Illinois
Environmental
Protection Agency

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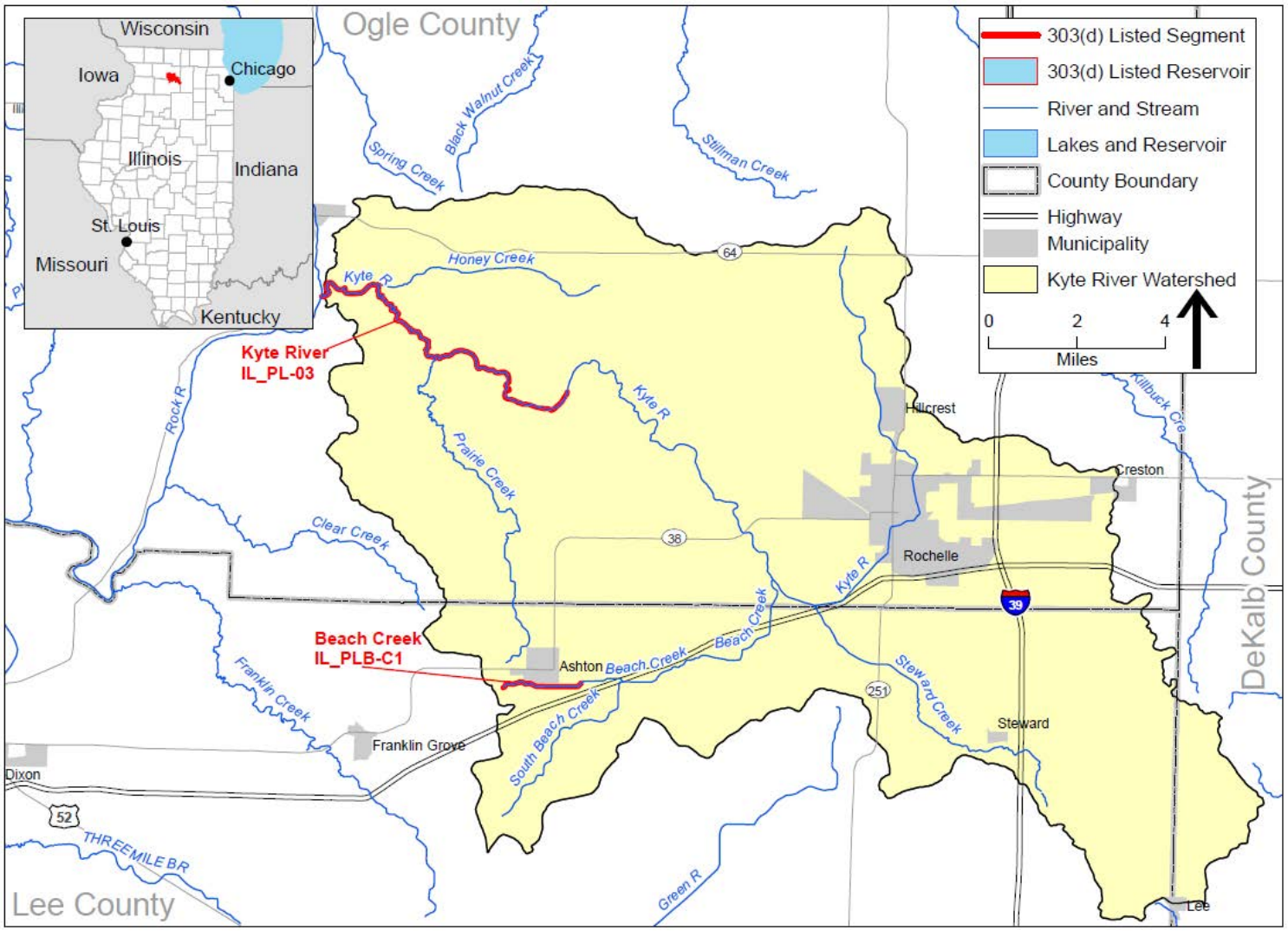
September 2024

IEPA/BOW/IL-2024-004

Kyte River Watershed
Total Maximum Daily Load and
Watershed-based Implementation Plan



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TMDL Development for the Kyte River Watershed in Illinois. This file contains the following documents:

1) U.S. EPA Approval Letter and Decision Document for the Final TMDL Report
2) TMDL Report

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REGION 5
CHICAGO, IL 60604

September 20, 2024

Ms. Joey L. Logan-Pugh
Chief, Bureau of Water
Illinois Environmental Protection Agency
P.O. Box 19276520 Lafayette Road North
Springfield, IL 62794-9276

Dear Ms. Logan-Pugh:

The U.S. Environmental Protection Agency completed its review of the final Total Maximum Daily Loads (TMDL) for the Kyte River Watershed (KRW) TMDL, including supporting documentation. The KRW TMDLs encompasses parts of Ogle, Lee, and DeKalb counties in northern Illinois. The KRW TMDLs address segments for a primary contact recreational impairment due to excessive bacteria and an aquatic life use impairment due to dissolved oxygen-demanding substances.

The KRW TMDLs meet the requirements of Section 303(d) of the Clean Water Act and EPA's implementing regulations set forth at 40 C.F.R. Part 130. Therefore, EPA approves Illinois's one TMDL for dissolved oxygen-demanding substances and one TMDL for fecal coliform for a total of two TMDLs. EPA describes Illinois's compliance with the statutory and regulatory requirements in the enclosed decision document.

EPA acknowledges Illinois's efforts in submitting these TMDLs and look forward to future TMDL submissions by the State of Illinois. If you have any questions, please contact Mr. David Werbach, at 312-886-4242 or werbach.david@epa.gov.

Sincerely,

9/20/2024

X

Tera L. Fong
Division Director, Water Division
Signed by: TERA FONG

cc: Abel Haile, IEPA

TMDL: Kyte River Watershed Bacteria and Dissolved Oxygen TMDLs in portions of Ogle, Lee, and DeKalb counties, Illinois
Date: 09/20/2024

DECISION DOCUMENT FOR THE KYTE RIVER WATERSHED TMDLS IN NORTHERN ILLINOIS

Section 303(d) of the Clean Water Act (CWA) and the EPA's implementing regulations at 40 C.F.R. Part 130 describe the statutory and regulatory requirements for approvable Total Maximum Daily Loads (TMDLs). Additional information is generally necessary for the EPA to determine if a submitted TMDL fulfills the legal requirements for approval under Section 303(d) and the EPA regulations and should be included in the submittal package. Use of the verb "must" below denotes information that is required to be submitted because it relates to elements of the TMDL required by the CWA and by regulation. Use of the term "should" below denotes information that is generally necessary for the EPA to determine if a submitted TMDL is approvable. The guidelines provided under each heading in this decision document are an attempt to summarize and provide information regarding currently effective statutory and regulatory requirements relating to TMDLs but are not a substitute for statutory requirements or the EPA's regulations.

1. Identification of Water body, Pollutant of Concern, Pollutant Sources, and Priority Ranking

The TMDL submittal should identify the water body as it appears on the State's/Tribe's 303(d) list. The water body should be identified/georeferenced using the National Hydrography Dataset (NHD), and the TMDL should clearly identify the pollutant for which the TMDL is being established. In addition, the TMDL should identify the priority ranking of the water body and specify the link between the pollutant of concern and the water quality standard (see Section 2 below).

The TMDL submittal should include an identification of the point and nonpoint sources of the pollutant of concern, including location of the source(s) and the quantity of the loading, e.g., lbs/per day. The TMDL should provide the identification numbers of the NPDES permits within the water body. Where it is possible to separate natural background from nonpoint sources, the TMDL should include a description of the natural background. This information is necessary for the EPA's review of the load and wasteload allocations, which are required by regulation.

The TMDL submittal should also contain a description of any important assumptions made in developing the TMDL, such as:

(1) the spatial extent of the watershed in which the impaired water body is located;
(2) the assumed distribution of land use in the watershed (e.g., urban, forested, agriculture);
(3) population characteristics, wildlife resources, and other relevant information affecting the characterization of the pollutant of concern and its allocation to sources;
(4) present and future growth trends, if taken into consideration in preparing the TMDL (e.g., the TMDL could include the design capacity of a wastewater treatment facility); and

(5) an explanation and analytical basis for expressing the TMDL through *surrogate measures*, if applicable. *Surrogate measures* are parameters such as percent fines and turbidity for sediment impairments; chlorophyll *a* and phosphorus loadings for excess algae; length of riparian buffer; or number of acres of best management practices.

The EPA Review of the KRW TMDLs:

Location Description/Spatial Extent:

The Kyte River Watershed (KRW) is located in the Rock River Basin in north central Illinois (Figure 2-1 of the final TMDL document). The TMDL report addresses two segments in the KRW; one impaired by bacteria (fecal coliform) and one impaired by low dissolved oxygen (DO)(Table 1 of this Decision Document; Table 1-1 of the final TMDL document). The KRW TMDL area is approximately 196 square miles in size (Section 2.1 of the final TMDL document). Waters flow northeast through the watershed and into the Rock River, which eventually flows into the Mississippi River. The TMDL study area contains portions of the following counties: Ogle, Lee, and DeKalb counties.

Table 1: Impaired waters in the Kyte River Watershed

HUC 10	Water ID	Water name	Miles	Drainage area (sq miles) *	Designated use	Pollutant
0714020206	IL_PL-03	Kyte River	17.74	196	PCR**	Bacteria
0714020206	IL_PLB-C1	Beach Creek	21.3	915	ALU**	DO substances

* includes drainage area of Beach Creek

** PCR - Primary Contact Recreation; ALU – Aquatic Life Use

Land Use:

Land use in the KRW is fairly consistent across the watershed. The main land use in the KRW is cropland (78%), with other land uses including forest (6%), hay/pasture (4%), and developed lands (9%) (Tables 2-1, 2-2 and Figure 2-2 of the final TMDL document). The Illinois Environmental Protection Agency (IEPA) stated that the population in the watershed is fairly sparse, with the largest city in KRW being Rochelle (population of 9,446).

Problem Identification:

Bacteria TMDL: The Kyte River (IL_PL-03) bacteria impaired segment identified in Table 1 of this Decision Document was included on the final 2022 Illinois 303(d) list due to excessive bacteria. Water quality monitoring within the KRW indicated that this segment was not attaining the designated primary contact recreation use due to exceedances of the bacteria criteria. Excessive bacteria can negatively impact recreational uses (e.g., swimming, wading, boating, fishing etc.) and public health. At elevated levels, bacteria may cause illness within humans who have contact with or ingest bacteria-laden water. Recreation-based contact can lead to ear, nose, and throat infections, and stomach illness.

DO-substances TMDL: The Beach Creek (IL_PLB-C1) DO-impaired segment identified in Table 1 of this Decision Document was included on the final 2022 Illinois 303(d) list due to degraded oxygen concentrations within the water column. Low dissolved oxygen concentrations can negatively impact aquatic life use. The decrease in dissolved oxygen can stress benthic macroinvertebrates and fish. Elevated levels of oxygen-consuming pollutants, such as sediment oxygen demand (SOD) and

carbonaceous biochemical oxygen demand (CBOD), can reduce dissolved oxygen in the water column, and cause large shifts in dissolved oxygen and pH throughout the day. Excessive amounts of nutrients such as phosphorus can stimulate plant and algal growth, which can negatively impact DO levels in a water body as well. Shifting chemical conditions within the water column may stress aquatic biota (i.e., fish and macroinvertebrate species). In some instances, degradations in aquatic habitats or water quality have reduced fish populations or altered fish communities from those communities supporting sport fish species to communities which support more tolerant rough fish species.

Priority Ranking:
The water bodies addressed by the KRW TMDLs were given a priority ranking for TMDL development due to the impairment impacts on aquatic life, recreation, aesthetic quality, the public value of the impaired water resource and the timing of TMDL development as part of the Illinois basin monitoring process.

Pollutants of Concern:
The pollutants of concern are bacteria (fecal coliform) and DO-demanding substances.

Source Identification (point and nonpoint sources):

Point Source Identification: The potential point sources to the KRW are:

KRW bacteria TMDL:
National Pollutant Discharge Elimination Systems (NPDES) permitted facilities: NPDES permitted facilities may contribute bacteria loads to surface waters through discharges of treated wastewater. Permitted facilities must discharge wastewater according to their NPDES permit. IEPA determined that there are two wastewater treatment plants (WWTPs) in the KRW which contribute bacteria from treated wastewater releases (Table 8-11 and Figure 5-5 of the final TMDL document; Table 2 of this Decision Document) to the various impaired segments. IEPA noted that these facilities were assigned a wasteload allocation (WLA) in the TMDL.

Table 2: **NPDES facilities which contribute *E. coli* to impaired segments in the KRW**

Facility Name	Permit #	Design Maximum Flow (MGD*)	Design Average Flow (MGD*)
Village of Ashton WWTP	ILG582015	1.34	0.33
City of Rochelle Water Reclamation	IL0030741	8.76	4.87

* - million gallons per day

Concentrated Animal Feedlot Operations (CAFOs): IEPA determined that there are no CAFOs present in the TMDL watershed (Section 5.3.2 of the final TMDL document).

Municipal Separate Storm Sewer System (MS4) communities, Combined Sewer Overflows (CSOs) and Sanitary Sewer Overflows (SSOs): IEPA did not identify any MS4s, CSOs or SSOs which contribute bacteria to waters of the KRW.

DO-demanding substances TMDL:

NPDES permitted facilities: NPDES permitted facilities may contribute DO-demanding substance loads to surface waters through discharges of treated wastewater. Permitted facilities must discharge wastewater according to their NPDES permit. IEPA determined that there is one WWTP in the KRW which contribute DO-demanding substances from treated wastewater releases (Table 5-4 and Figure 5-5 of the final TMDL document; Table 3 of this Decision Document) to Beach Creek. IEPA noted that this facility was assigned a WLA in the TMDL.

Table 3: **NPDES facility which contributes DO-demanding substances to Beach Creek**

Facility Name	Permit #	Direct to Carlyle Lake or Upstream	Design Flow (MGD)
Village of Ashton WWTP	ILG582015	Upstream	0.33

Concentrated Animal Feedlot Operations (CAFOs): IEPA determined that there are no CAFOs present in the TMDL watershed (Section 5.3.2 of the final TMDL document).

Municipal Separate Storm Sewer System (MS4) communities, Combined Sewer Overflows (CSOs) and Sanitary Sewer Overflows (SSOs): IEPA did not identify any MS4s, CSOs or SSOs which contribute DO-demanding substances to Beach Creek (Section 5.2 of the final TMDL document).

Nonpoint Source Identification:

The potential nonpoint sources to the KRW include:

KRW bacteria and DO-demanding substances TMDLs:

Stormwater from agricultural land use practices and feedlots near surface waters: Animal Feeding Operations (AFOs) in close proximity to surface waters can be a source of bacteria and DO-demanding substances to water bodies in the KRW (Section 5.3.2 of the final TMDL document). These areas may contribute pollutants via the mobilization and transportation of pollutant-laden waters from feeding, holding and manure storage sites.

Runoff from agricultural lands may contain significant amounts of bacteria and DO-demanding substances which may lead to impairments in the KRW. Feedlots generate manure which may be spread onto fields. Runoff from fields with spread manure can be exacerbated by tile drainage lines that channelize the stormwater flows and reduce the time available for bacteria to die-off or mitigate the impacts of DO-demanding substances. In addition, livestock with access to streams may add pollutants directly to the surfaces waters or resuspend particles that had settled on the stream bottom. Direct deposition of animal wastes can result in very high localized bacteria counts and may contribute to downstream impairments. Smaller animal facilities may add pollutants to surface waters via wastewater from these facilities or stormwater runoff from near-stream pastures.

Discharges from Subsurface Sewage Treatment Systems (SSTS) or unsewered communities: Failing septic systems are a potential source of bacteria and organic material within the KRW (Section 5.3.3 of the final TMDL). Septic systems generally do not discharge directly into a water body, but effluents from SSTS may leach into groundwater or pond at the surface where they can be washed into surface

waters via stormwater runoff events. Age, construction and use of SSTS can vary throughout a watershed and influence the bacteria and organic material contribution from these systems.

Wildlife: Wildlife is a known source of bacteria and do-demanding substances in water bodies as many animals spend time in or around water bodies. Deer, geese, ducks, raccoons, and other animals all create potential sources of pollutants via contaminated runoff from animal habitats, such as urban park areas, forest, and rural areas.

Population and Future Growth:
IEPA noted that the TMDL watershed is relatively sparsely populated, and that an increase in population is not anticipated (Section 8.3 of the final TMDL document). The WLA and load allocations (LA) for the KRW TMDLs were calculated for all current and future sources. IEPA determined that no reserve capacity was needed for the KRW TMDLs.

The EPA finds that this criterion has been adequately addressed.

2. Description of the Applicable Water Quality Standards and Numeric Water Quality Target

The TMDL submittal must include a description of the applicable State/Tribal water quality standard, including the designated use(s) of the water body, the applicable numeric or narrative water quality criterion, and the antidegradation policy (40 C.F.R. §130.7(c)(1)). The EPA needs this information to review the loading capacity determination, and load and wasteload allocations, which are required by regulation.

The TMDL submittal must identify a numeric water quality target(s) – a quantitative value used to measure whether or not the applicable water quality standard is attained. Generally, the pollutant of concern and the numeric water quality target are, respectively, the chemical causing the impairment and the numeric criteria for that chemical (e.g., chromium) contained in the water quality standard. The TMDL expresses the relationship between any necessary reduction of the pollutant of concern and the attainment of the numeric water quality target. Occasionally, the pollutant of concern is different from the pollutant that is the subject of the numeric water quality target (e.g., when the pollutant of concern is phosphorus and the numeric water quality target is expressed as Dissolved Oxygen (DO) criteria). In such cases, the TMDL submittal should explain the linkage between the pollutant of concern and the chosen numeric water quality target.

The EPA Review of the KRW TMDLs:
Designated Uses:
Section 2 of the final TMDL document explains that water bodies in the KRW are not meeting their General Use designation. The Illinois Pollution Control Board (IPCB) defines General Use standards as those that:

> *"will protect the state's water for aquatic life, wildlife, agricultural use, secondary contact use and most industrial uses, and ensure the aesthetic quality of the state's aquatic environment."*

Under the General Use classification, waters are further designated as impaired for aquatic life use, aesthetic quality use and primary contact recreational use. Table 1 of this Decision Document shows the various water body segments and their associated impaired uses.

The applicable General Use water quality standards (WQS) for the KRW TMDL water bodies are established in Illinois Administrative Rules Title 35, Environmental Protection; Subtitle C, Water Pollution; Chapter I, Pollution Control Board; Part 302, Water Quality Standards, Subpart B. Table 4 of this Decision Document lists all the water quality standards and the TMDL targets/modeling endpoints employed by IEPA in the calculation of loading capacities for KRW TMDLs.

Numeric criteria:

Bacteria TMDL Targets*:* The bacteria TMDL target employed for the KRW bacteria TMDL is the *E. coli* standards as stated in Table 4 of this Decision Document. IEPA utilized the geometric mean portion of the criteria (**200** cfu/100 mL) to develop loads (Section 7 of the final TMDL document; Section 3 of this Decision Document). Attainment of both parts of the criteria is required.

DO-demanding substances TMDL target: IEPA determined that the 30-day average daily mean criteria of **5.5 mg/L** for DO from July through February was the most protective portion of the WQS (Section 8.3.1 of the final TMDL document). As further discussed in Section 3 of this Decision Document, IEPA utilized a model to determine the pollutant reductions needed to attain the 5.5 mg/L DO criteria. The model results noted that reductions in CBOD and SOD would be required and calculated the appropriate loading (Section 3 of this Decision Document).

Table 4. Summary of water quality standards for the Kyte River Watershed TMDLs

Parameter	Units	Water Quality Standard
Fecal Coliform [a]	#/100 mL	400 in <10% of samples [b]
		Geometric mean < 200 [c]
Dissolved Oxygen (DO)	mg/L	*March through July* greater than or equal to 5.0 minimum and greater than or equal to 6.0 as a 7-day daily mean averaged over 7 days *August through February* greater than or equal to 3.5 minimum, greater than or equal to 4.0 as a 7-day minimum averaged over 7 days, and greater than or equal to 5.5 as a 30-day daily mean

mg/L - milligram per liter
mL - milliliter
a. Fecal coliform standards are applicable for the recreation season only (May through October).
b. Standard shall not be exceeded by more than 10% of samples collected during a 30-day period.
c. Geometric mean based on minimum of 5 samples taken over not more than a 30-day period.

The EPA finds that this criterion has been adequately addressed.

3. Loading Capacity - Linking Water Quality and Pollutant Sources

A TMDL must identify the loading capacity of a water body for the applicable pollutant. The EPA regulations define loading capacity as the greatest amount of a pollutant that a water can receive without violating water quality standards (40 C.F.R. § 130.2(f)).

The pollutant loadings may be expressed as either mass-per-time, toxicity or other appropriate measure (40 C.F.R. § 130.2(i)). The TMDL submittal should describe the method used to establish the cause-and-effect relationship between the numeric target and the identified pollutant sources. In many instances, this method will be a water quality model.

The TMDL submittal should contain documentation supporting the TMDL analysis, including the basis for any assumptions; a discussion of strengths and weaknesses in the analytical process; and results from any water quality modeling. The EPA needs this information to review the loading capacity determination, and load and wasteload allocations, which are required by regulation.

TMDLs must take into account *critical conditions* for steam flow, loading, and water quality parameters as part of the analysis of loading capacity (40 C.F.R. § 130.7(c)(1)). TMDLs should define applicable *critical conditions* and describe their approach to estimating both point and nonpoint source loadings under such *critical conditions*. In particular, the TMDL should discuss the approach used to compute and allocate nonpoint source loadings, e.g., meteorological conditions and land use distribution.

The EPA Review of the KRW TMDLs:

KRW bacteria TMDL: IEPA used the geometric mean (200 cfu/100 mL) of the fecal coliform water quality standard to calculate loading capacity values for the bacteria TMDLs.

Typically loading capacities are expressed as a mass per time (e.g., pounds per day). However, for fecal coliform loading capacity calculations, mass is not always an appropriate measure because fecal coliform is expressed in terms of organism counts. This approach is consistent with the EPA's regulations which define "load" as "an amount of matter that is introduced into a receiving water" (40 C.F.R. § 130.2). To establish the loading capacities for the KRW bacteria TMDL, IEPA used Illinois's WQS for fecal coliform. A loading capacity is, "the greatest amount of loading that a water can receive without violating water quality standards." (40 C.F.R. § 130.2). Therefore, a loading capacity set at the WQS will assure that the water does not violate WQS. IEPA's fecal coliform TMDL approach is based upon the premise that all discharges (point and nonpoint) must meet the WQS when entering the water body. If all sources meet the WQS at discharge, then the water body should meet the WQS and the designated use.

A flow duration curve (FDC) wase created for the bacteria TMDL in the KRW. The KRW FDC was developed using flow data generated from a USGS flow gage on the South Kishwaukee River (USGS 05439500) (for the Kyte River TMDL) and on Elkhorn Creek (USGS 05444000)(for the Beach Creek TMDL)(Section 7.2.1 of the final TMDL document). IEPA focused on daily recorded flow measurements

the USGS gages. Flow data focused on dates within the recreation season (May 1 to October 31). Daily stream flows were necessary to implement the load duration curve approach.

FDCs graphs have flow duration interval (percentage of time flow exceeded) on the X-axis and discharge (flow per unit time) on the Y-axis. The FDC was transformed into a load duration curve (LDC) by multiplying individual flow values by the WQS (200 cfu/100 mL) and then multiplying that value by a conversion factor. The resulting points are plotted onto a load duration curve graph. The LDC graph for the KRW bacteria TMDL has a flow duration interval (percentage of time flow exceeded) on the X-axis and fecal coliform loads (number of bacteria per unit time) on the Y-axis. The KRW LDC used fecal coliform measurements in millions of bacteria per day. The curved line on a LDC graph represents the TMDL of the respective flow conditions observed at that location (Figure 7-2 of the final TMDL document).

Water quality monitoring was completed in the KRW and measured fecal coliform concentrations were converted to individual sampling loads by multiplying the sample concentration by the instantaneous flow measurement observed/estimated at the time of sample collection and then by a conversion factor which allows the individual samples to be plotted on the same figure as the LDC (Figure 7-2 of the final TMDL document).

The LDC plot was subdivided into five flow regimes; high flow conditions (exceeded 0–10% of the time), moist conditions (exceeded 10–40% of the time), mid-range flow conditions (exceeded 40–60% of the time), dry conditions (exceeded 60–90% of the time), and low flow conditions (exceeded 90–100% of the time). In addition, IEPA further subdivided the loading calculations into 10% increments (0%-10%, 10%-20%, etc.) (Figure 8-12 of the final TMDL document). LDC plots can be organized to display individual sampling loads with the calculated LDC. Watershed managers can interpret LDC graphs with individual sampling points plotted alongside the LDC to understand the relationship between flow conditions and water quality exceedances within the watershed. Individual sampling loads which plot above the LDC represent violations of the WQS and the allowable load under those flow conditions at those locations. The difference between individual sampling loads plotting above the LDC and the LDC, measured at the same flow, is the amount of reduction necessary to meet WQS.

The strengths of using the LDC method are that critical conditions and seasonal variation are considered in the creation of the FDC by plotting hydrologic conditions over the flows measured during the recreation season. Additionally, the LDC methodology is relatively easy to use and cost-effective. The weaknesses of the LDC method are that nonpoint source allocations cannot be assigned to specific sources, and specific source reductions are not quantified. Overall, IEPA believes, and the EPA concurs, that the strengths outweigh the weaknesses for the LDC method.

Implementing the results shown by the LDC requires watershed managers to understand the sources contributing to the water quality impairment and which Best Management Practices (BMPs) may be the most effective for reducing bacteria loads based on flow magnitudes. Different sources will contribute bacteria loads under varying flow conditions. For example, if exceedances are significant during high flow events this would suggest storm events are the cause and implementation efforts can target BMPs that will reduce stormwater runoff and consequently bacteria loading into surface waters. This allows for a more efficient implementation effort.

IEPA calculated bacteria TMDLs for the KRW and those results are found in Table 5 of this Decision Document. The load allocations were calculated after the determination of the WLA, and the Margin of Safety (MOS) (10% of the loading capacity). Load allocations (e.g., stormwater runoff from agricultural land use practices and feedlots, SSTS, wildlife inputs etc.) were not split among individual nonpoint contributors. Instead, load allocations were combined together into a categorical LA ('Watershed Load') to cover all nonpoint source contributions.

Table 5 of this Decision Document report ten percentiles on the loading capacity curve. However, the components of the TMDL equation could be illustrated for any point on the entire loading capacity curve. The LDC method can be used to display collected bacteria monitoring data and allows for the estimation of load reductions necessary for attainment of the bacteria water quality standard. Using this method, daily loads were developed based upon the flow in the water body. Loading capacities were determined for the segment for multiple flow regimes. This allows the TMDL to be represented by an allowable daily load across all flow conditions. Table 5 of this Decision Document identifies the loading capacity for the water body at each flow percentile. Although there are numeric loads for each flow regime, the LDC is what is being approved for this TMDL.

Table 5: Fecal Coliform TMDL for the Kyte River (IL_PL-03)

Zone	Flow Exceedance Range (%)	LC (million colonies per day)	LA (million colonies per day)	WLA (million colonies per day)	MOS	Actual Load[1] (million colonies per day)	Percent Reduction Needed (%)
High Flow	0–10	3,515,385	3,010,900	152,947	351,539	56,397,444	94%
Moist	10–20	1,541,750	1,234,628	152,947	154,175	868,378	0%
	20–30	975,726	725,207	152,947	97,573	14,577,571	93%
	30–40	708,851	485,019	152,947	70,885	732,435	3%
Mid-Range	40–50	535,072	402,820	78,745	53,507	--	No data
Dry	50–60	384,877	267,644	78,745	38,488	1,115,228	65%
	60–70	295,257	186,986	78,745	29,526	1,991,001	85%
	70–80	229,717	128,000	78,745	22,972	792,126	71%
	80–90	181,804	84,878	78,745	18,180	308,472	41%
Low Flow	90–100	141,586	48,683	78,745	14,159	366,901	61%

Table 5 of this Decision Document show IEPA's estimates of reductions required for the KRW. Attaining these reduction percentage estimates under the flow conditions which the reductions are prescribed to will allow the impaired segment to meet their water quality targets. These loading reductions were estimated from existing and TMDL load calculations. IEPA expects that these reductions will result in the attainment of the water quality targets and the stream segment's water quality will return to a level where the designated uses are no longer considered impaired.

The EPA concurs with the data analysis and LDC approach utilized by IEPA in its calculation of loading capacities, wasteload allocations, load allocations and the margin of safety for the KRW bacteria TMDLs. The methods used for determining the TMDLs are consistent with the EPA technical memos.[1]

DO-demanding substances TMDL for Beach Creek: To develop the TMDL for low DO for Beach Creek, IEPA used the QUAL2K model (Section 7.3 and Appendix F of the final TMDL document). QUAL2K is a steady state, one-dimensional model that can simulate DO concentrations on an hourly time step. Typically, daily data are simulated during critical conditions (e.g., low flow and warm temperatures) and iterated over multiple repeated days to achieve convergence. QUAL2K represents the modeled water bodies as a series of segments, each of which has approximately constant characteristics (e.g., slope, shading, bottom width). Each segment is further divided into a series of equally spaced model computational elements, which are assumed fully mixed. Factors that affect in-stream temperature and DO concentrations are represented in QUAL2K, including solar inputs, stream shading, air temperature, oxidation of suspended and dissolved organic matter. The relative magnitude of these factors can be determined through model application, and scenarios can be developed to evaluate if management actions can improve in-stream conditions.

For Beach Creek, IEPA noted that water quality data is limited, and therefore focused the modeling effort on a single 1-kilometer segment downstream of the Ashton WWTP (Section 7.3.1.1 and Figure 7.4 of the final TMDL document). Previous water quality data indicated that the portion of Beach Creek downstream of the Ashton WWTP was not meeting the DO WQS (Table 7.5 of the final TMDL document).

The results of the QUAL2K modeling show that several factors are contributing to the DO impairment. Beach Creek receives flow from the Ashton WWTP which contributes various substances that consume oxygen, as well as nonpoint sources of DO-demanding substances. In-stream processes also were found to negatively impact DO levels in the segment. The QUAL2K model was used to investigate several scenarios to meet the WQS (Section8.3.1.1 of the final TMDL document).

IEPA determined that the wastewater discharge from the Ashton WWTP was the primary contributor of DO-demanding substances into Beach Creek. By reducing the various DO-demanding substances in the discharge, the immediate impacts on DO (as CBOD) would be reduced; in addition, the reduction of CBOD substances would also reduce the SOD load downstream. SOD is a measurement of the DO-demanding substances (primarily organic material) in sediment, which can either directly utilize oxygen in the water column or fuel the growth of algae which can also utilized oxygen in the water column.

IEPA developed the loading capacity for SOD in Beach Creek as a range, not a specific number (Table 8.4 and Section 8.3.1.1 of the final TMDL document; Table 6 of this Decision Document). IEPA explained that the model results showed the SOD levels were highest at the Ashton WWTP discharge and dropped steadily downstream. To ensure the most conservative outcome, IEPA utilized the lowest SOD value (7 g $O_2/m^2/d$) for the TMDL (Table 6 of this Decision Document).

[1] U.S. Environmental Protection Agency, Office of Water, *An Approach for Using Load Duration Curves in the Development of TMDLs,* EPA-841-B-07-006, (Washington, D.C., August 2007).

The EPA supports the data analysis and modeling approach utilized by IEPA in its calculation of wasteload allocations, load allocations and the margin of safety for the Beach Creek TMDL. Additionally, the EPA concurs with the loading capacity calculated by the IEPA. The EPA finds IEPA's approach for calculating the loading capacity for the TMDL to be reasonable and consistent with the EPA's guidance.

Table 6: DO demanding substances TMDL for Beach Creek (IL_PLB-01)

Contributing Oxygen Demanding Parameter	LC	WLA	LA	MOS (10% of LC)	RC
CBOD (lb/day)	2	1.8	0	0.2	0
SOD (g $O_2/m^2/d$)	7	0	6.3-13.5	0.7–1.5	0

The EPA finds that this criterion has been adequately addressed.

4. Load Allocations (LA)

The EPA regulations require that a TMDL include LAs, which identify the portion of the loading capacity attributed to existing and future nonpoint sources and to natural background. Load allocations may range from reasonably accurate estimates to gross allotments (40 C.F.R. § 130.2(g)). Where possible, load allocations should be described separately for natural background and nonpoint sources.

The EPA Review of the KRW TMDLs:

KRW bacteria and DO-demanding substances TMDLs: The calculated LA values for the bacteria and DO-demanding substances TMDLs are applicable across all flow conditions in the KRW (Tables 5 and 6 of this Decision Document). IEPA identified several nonpoint sources which contribute pollutant loads to the surface waters of the KRW, including; stormwater from agricultural and feedlot areas, contributions from SSTS, contributions from upstream subwatersheds and wildlife contributions. IEPA did not determine load allocation values for each of these potential nonpoint source considerations but aggregated the nonpoint sources into one "watershed load" LA calculation for each of the TMDLs.

The EPA finds that this criterion has been adequately addressed.

5. Wasteload Allocations (WLAs)

The EPA regulations require that a TMDL include WLAs, which identify the portion of the loading capacity allocated to individual existing and future point source(s) (40 C.F.R. § 130.2(h), 40 C.F.R. § 130.2(i)). In some cases, WLAs may cover more than one discharger, e.g., if the source is contained within a general permit.

The individual WLAs may take the form of uniform percentage reductions or individual mass-based limitations for dischargers where it can be shown that this solution meets WQSs.

The EPA Review of the KRW TMDLs:

KRW bacteria TMDL: IEPA identified two NPDES permitted facilities within the KRW and assigned those facilities a portion of the WLA (Tables 2 and 7 of this Decision Document). WLAs were calculated for the geometric mean portion of the WQS (200 cfu) (Section 8.3.3.3 of the final TMDL document). For flow, IEPA used the permitted design maximum flow (DMF) for the high and moist flow regime, and the design average flow (DAF) for the remaining flow regimes (Section 8.3.3.6 of the final TMDL document).

Table 7: Bacteria WLAs for the Kyte River (IL_PL-03) bacteria TMDL

NPDES Permit Number	Facility Name	Receiving Water	DAF (mgd)	WLA-DAF (mil col/day)	DMF (mgd)	WLA-DMF (mil col/day)
ILG582015	Village of Ashton WWTP	Beach Creek IL_PLB-C1	0.33	4,997	1.34	20,292
IL0030741	City of Rochelle Water Reclamation	Kyte River IL_PL-03	4.87	73,748	8.76	132,655

The EPA finds the IEPA's approach for calculating the WLAs for the KRW bacteria TMDLs to be reasonable and consistent with the EPA's guidance.

Beach Creek DO-demanding substances TMDL: IEPA determined that there is one point source that discharges CBOD to Beach Creek (Section 8.3 of the final TMDL document). The WLA for the facility is 1.8 lb/day for CBOD. A WLA of 0 for SOD was calculated by IEPA; however, SOD is not directly discharged by the facility, but is a result of the CBOD discharge (Section 9.3.1.6 of the final TMDL document).

Table 8: WLAs for the Beach Creek (IL_PLB-C1) DO demanding substances TMDL

Facility	NPDES Permit Number	Applicable Stream Segment	Design Maximum Flow (mgd)	Average Daily flow (mgd)	CBOD WLA (lbs/day)	SOD WLA ($g\ O_2/m^2/d$)
Village of Ashton WWTP	ILG582015	IL_PLB-C1	1.34	0.67	1.8	0

The EPA finds the IEPA's approach for calculating the WLAs for the DO-demanding substances TMDL to be reasonable and consistent with the EPA's guidance.

The EPA finds that this criterion has been adequately addressed.

6. Margin of Safety (MOS)

The Clean Water Act, § 303(d)(1)(c), and 40 C.F.R. 130.7 (c)(1) require that a TMDL include a margin of safety (MOS) "which takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality." The EPA's 1991 TMDL Guidance explains that the MOS may be implicit, i.e., incorporated into the TMDL through conservative assumptions in the analysis, or explicit, i.e., expressed in the TMDL as loadings set aside for the MOS. If the MOS is implicit, the conservative

assumptions in the analysis that account for the MOS must be described. If the MOS is explicit, the loading set aside for the MOS must be identified. The MOS may include both explicit and implicit components.

The EPA Review of the KRW TMDLs:
The final TMDL submittal outlines the determination of the Margin of Safety for the bacteria and DO-demanding substances TMDLs.

KRW bacteria TMDL: The KRW bacteria TMDL incorporated a 10% explicit MOS applied to the total loading capacity calculation for each flow regime of the LDC (Section 8.3.3.4 of the final TMDL document). Ten percent of the total loading capacity was reserved for MOS with the remaining load allocated to point and nonpoint sources (Table 5 of this Decision Document).

Challenges associated with quantifying bacteria loads include the dynamics and complexity of bacteria in stream environments. Factors such as die-off and re-growth contribute to general uncertainty that makes quantifying stormwater bacteria loads particularly difficult. The MOS for the KRW bacteria TMDLs also incorporated certain conservative assumptions in the calculation of the TMDLs. No rate of decay, or die-off rate of pathogen species, was used in the TMDL calculations or in the creation of load duration curves for fecal coliform. Bacteria have a limited capability of surviving outside their hosts, and normally a rate of decay would be incorporated. IEPA determined that it was more conservative to use the WQS and not to apply a rate of decay, which could result in a discharge limit greater than the WQS.

As discussed in *EPA's Protocol for Developing Pathogen TMDLs* (EPA 841-R-00-002), many different factors affect the survival of pathogens, including the physical condition of the water. These factors include, but are not limited to sunlight, temperature, salinity, and nutrient deficiencies. These factors vary depending on the environmental condition/circumstances of the water, and therefore it would be difficult to assert that the rate of decay caused by any given combination of these environmental variables was sufficient to meet the WQS. Thus, it is more conservative to apply the State's WQS as the bacteria target value because this standard must be met at all times under all environmental conditions.

Beach Creek DO-demanding substances TMDL: For the Beach Creek TMDL, IEPA used an explicit 10% MOS (Table 6 of this Decision Document; Section 8.3.1.4 of the final TMDL document). IEPA utilized an explicit MOS of 10% to account for any uncertainties in the QUAL2K model and the limited site-specific data available for the water body. A simplified calibration based upon flow data as well as the limited water quality data indicated a generally good agreement between the observed values and the model results, and therefore, IEPA determined that no additional MOS was needed (Section 7.3.1.8 of the final TMDL document).

The EPA finds that this criterion has been adequately addressed.

7. Seasonal Variation

The statute and regulations require that a TMDL be established with consideration of seasonal variations. The TMDL must describe the method chosen for including seasonal variations. (CWA § 303(d)(1)(C), 40 C.F.R. § 130.7(c)(1)).

The EPA Review of the KRW TMDLs:

KRW bacteria TMDL: Bacterial loads vary by season, typically reaching higher numbers in the dry summer months when low flows and bacterial growth rates contribute to their abundance and reaching relatively lower values in colder months when bacterial growth rates attenuate and loading events, driven by stormwater runoff events aren't as frequent. Bacterial WQS need to be met between May 1st to October 31st, regardless of the flow condition. The development of the LDCs utilized simulated flow data which were validated and calibrated with local flow gage data. The flow measurements represented a variety of flow conditions from the recreation season. LDCs developed from these flow data represented a range of flow conditions within the KRW and thereby accounted for seasonal variability over the recreation season.

IEPA stated that critical conditions for *E. coli* loading occur in the dry summer months. This is typically when stream flows are lowest, and bacterial growth rates can be high. By meeting the water quality targets during the summer months, it can reasonably be assumed that the loading capacity values will be protective of water quality during the remainder of the calendar year (November through April).

Beach Creek DO-demanding substances TMDL: Seasonal variation was considered for the Beach Creek TMDL as described in Section 8.3.1.2 of the final TMDL document. IEPA accounted for seasonal variation via the modeling process. IEPA explained that the QUAL2K model utilized the data from the late summer, when water temperatures are higher, flows are low, and DO levels are most stressed. By meeting the water quality targets during the late summer/fall months, it can reasonably be assumed that the loading capacity values will be protective of water quality during the remainder of the calendar year (March through July).

The EPA finds that this criterion has been adequately addressed.

8. Reasonable Assurance

When a TMDL is developed for waters impaired by point sources only, the issuance of a NPDES permit(s) provides the reasonable assurance that the wasteload allocations contained in the TMDL will be achieved. This is because 40 C.F.R. § 122.44(d)(1)(vii)(B) requires that effluent limits in permits be consistent with, "the assumptions and requirements of any available wasteload allocation" in an approved TMDL.

When a TMDL is developed for waters impaired by both point and nonpoint sources, and the WLA is based on an assumption that nonpoint source load reductions will occur, the EPA's 1991 TMDL Guidance states that the TMDL should provide reasonable assurances that nonpoint source control

measures will achieve expected load reductions in order for the TMDL to be approvable. This information is necessary for the EPA to determine that the TMDL, including the load and wasteload allocations, has been established at a level necessary to implement water quality standards.

The EPA Review of the KRW TMDLs:

The KRW bacteria and DO-demanding substances TMDLs provide reasonable assurance that actions identified in the Implementation Plan and Reasonable Assurance section of the final TMDL (i.e., Section 9 of the final TMDL document) will be applied to attain the loading capacities and allocations calculated for the impaired reaches within the KRW. The recommendations made by IEPA will be successful at improving water quality if the appropriate local groups work to implement these recommendations. Those mitigation suggestions, which fall outside of regulatory authority, will require commitment from state agencies and local stakeholders to carry out the suggested actions.

IEPA outlines its reasonable assurance efforts in Section 9 of the final TMDL document. IEPA outlines management measures and programs which will be employed to attain the loading capacities and allocations calculated for the impaired reaches within the KRW. Section 9 includes components of a more formal Implementation Plan for the KRW.

Reasonable assurance that the WLA set forth will be implemented is provided by regulatory actions. According to 40 C.F.R. 122.44(d)(1)(vii)(B), NPDES permit effluent limits must be consistent with assumptions and requirements of all WLAs in an approved TMDL. IEPA's NPDES permit program is one of the implementing programs for ensuring WLA are consistent with the TMDL. Current NPDES permits will remain in effect until the permits are reissued, provided that IEPA receives the NPDES permit renewal application prior to the expiration date of the existing NPDES permit.

IEPA explained that Sections 8 and 9 of the final TMDL document also incorporates many elements of a Section 319 watershed managment plan, which can be used to apply for a Section 319 nonpoint source grant. Table 9-1 of the final TMDL document compares the Section 319 Nine Elements of a Watershed Management Plan to the subsections of Section 9 of the final TMDL document. This correlation helps to link the expectations of the TMDL with the actions considered under the Section 319 watershed plan.

IEPA identified locations where various BMPs will provide significant impacts on bacteria and DO-demanding substances reductions. For example, Figures 9-1 and 9-2 of the final TMDL document identify the priority locations for the installation of buffer strips, which can serve to filter pollutants from entering the water bodies. Figure 9-3 of the final TMDL document identifies priority areas for wetland construction as well as existing wetlands in the TMDL watersheds. Cost estimates for the various BMPs are estimated in Table 9-8 of the final TMDL document.

Table 9-10 of the final TMDL document provides an estimated implementation schedule of actions and activities in the watershed that can reduce pollutant loads into water bodies in the KRW. These actions address immediate (1-2 years), mid-term (5-10 years) and long-term (continuous) timeframes.

The EPA finds that this criterion has been adequately addressed.

9. Monitoring Plan to Track TMDL Effectiveness

The EPA's 1991 document, *Guidance for Water Quality-Based Decisions: The TMDL Process* (EPA 440/4-91-001), recommends a monitoring plan to track the effectiveness of a TMDL, particularly when a TMDL involves both point and nonpoint sources, and the WLA is based on an assumption that nonpoint source load reductions will occur. Such a TMDL should provide assurances that nonpoint source controls will achieve expected load reductions and, such TMDL should include a monitoring plan that describes the additional data to be collected to determine if the load reductions provided for in the TMDL are occurring and leading to attainment of water quality standards.

The EPA Review of the KRW TMDLs:

The final TMDL document contains discussion on future monitoring within the KRW and milestones (Sections 9.7 and 9.8 of the final TMDL document). Continued water quality monitoring within the basin is supported by IEPA.

Progress of TMDL implementation will be measured through monitoring efforts focused on:

- Tracking implementation of BMPs in the watershed;
- Estimating the effectiveness of BMPs;
- Additional monitoring of point source discharges in the watershed;
- Continued monitoring of impaired stream segments and tributaries;
- Monitoring storm-based high flow events; and
- Low flow monitoring in impaired stream segments.

IEPA anticipates continuing to measure water quality in the KRW via its Intensive Basin Survey water quality monitoring which occurs every 5 years. IEPA noted in Section 2.6.2 of the final TMDL document that USGS gages (Table 2-5 of the final TMDL document) are located near the TMDL watersheds and will continue to provide data on the surrounding area.

Water quality monitoring is a critical component of the adaptive management strategy employed as part of the implementation efforts utilized in the KRW. Water quality information will aid watershed managers in understanding how BMP pollutant removal efforts are impacting water quality. Water quality monitoring combined with an annual review of BMP efficiency will provide information on the success or failure of BMP systems designed to reduce pollutant loading into water bodies of the KRW. Watershed managers will have the opportunity to reflect on the progress or lack of progress and will have the opportunity to change course if progress is unsatisfactory.

The EPA finds that this criterion has been adequately addressed.

10. Implementation

The EPA policy encourages Regions to work in partnership with States/Tribes to achieve nonpoint source load allocations established for 303(d)-listed waters impaired by nonpoint sources. Regions may assist States/Tribes in developing implementation plans that include reasonable assurances that

nonpoint source LAs established in TMDLs for waters impaired solely or primarily by nonpoint sources will in fact be achieved. In addition, the EPA policy recognizes that other relevant watershed management processes may be used in the TMDL process. The EPA is not required to and does not approve TMDL implementation plans.

The EPA Review of the KRW TMDLs:

The findings from the KRW TMDLs will be used to inform the selection of implementation activities as part of the TMDL process. The TMDL outlined some implementation strategies in Section 9 of the final TMDL document. IEPA outlined the importance of prioritizing areas within the KRW, education and outreach efforts with local partners, and partnering with local stakeholders to improve water quality within the watershed. The reduction goals for the bacteria and DO-demanding substances TMDLs may be met via components of the following strategies:

- ***Filter strips, riparian buffers, bank stabilization and erosion control*** – Protection of streambanks within the watershed through planting of vegetated/buffer areas with grasses, legumes, shrubs or trees will mitigate bacteria and nutrient inputs into surface waters. These areas will filter stormwater runoff before the runoff enters the main stem or tributaries of the KRW. An assessment of stream channel, river channel, and lakeshore erosional areas should be completed to evaluate areas where erosion control strategies could be implemented in the KRW. Implementation actions (e.g., planting deep-rooted vegetation near water bodies to stabilize streambanks) could be prioritized to target areas which are actively eroding. This strategy will also prevent additional sediment inputs into surface waters of the KRW and minimize or eliminate degradation of habitat.
- ***Nutrient management*** – These strategies involve reducing bacteria and nutrient transport from fields and minimizing soil loss. Specific practices would include erosion control through conservation tillage, reduction of winter spreading of fertilizers, elimination of fertilizer spreading near open inlets and sensitive areas, installation of stream and lake shore buffer strips, streambank stabilization practices (gully stabilization and installation of fencing near streams), and nutrient management planning.
- ***Pasture management and fencing*** - Reducing livestock access to stream environments will lower the opportunity for direct transport of bacteria and nutrients to surface waters. The installation of exclusion fencing near stream and river environments to prevent direct access for livestock, installing alternative water supplies, and installing stream crossings between pastures, would work to reduce the influxes of ammonia and nutrients and improve water quality within the watershed. Additionally, introducing rotational grazing to increase grass coverage in pastures, and maintaining appropriate numbers of livestock per acre for grazing, can also aid in the reduction of bacteria and nutrient inputs.
- ***Private septic system inspection and maintenance program*** - Septic systems are believed to be a source of bacteria and nutrients to waters in the KRW. Failing systems are expected to be identified and addressed via upgrades to those septic systems not meeting local health ordinances. Septic system improvement priority should be given to those failing systems adjacent to surface waters (i.e., streams or lakes).

The EPA finds that this criterion has been adequately addressed. The EPA reviews but does not approve implementation plans.

11. Public Participation

The EPA policy is that there should be full and meaningful public participation in the TMDL development process. The TMDL regulations require that each State/Tribe must subject calculations to establish TMDLs to public review consistent with its own continuing planning process (40 C.F.R. §130.7(c)(1)(ii)). In guidance, the EPA has explained that final TMDLs submitted to the EPA for review and approval should describe the State's/Tribe's public participation process, including a summary of significant comments and the State's/Tribe's responses to those comments.

Provision of inadequate public participation may be a basis for disapproving a TMDL. If the EPA determines that a State/Tribe has not provided adequate public participation, the EPA may defer its approval action until adequate public participation has been provided for, either by the State/Tribe or by the EPA.

The EPA Review of the KRW TMDLs:

The public participation section of the TMDL submittal is found in Section 3 and Appendix D of the final TMDL document. Throughout the development of the KRW TMDLs the public was given various opportunities to participate. IEPA held a public meeting on June 30, 2021, to discuss the preliminary project. In 2024, IEPA posted the draft TMDL online at https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls.html for a public comment period. The public comment period was started on January 17, 2023, and concluded on February 16, 2024. A public hearing was held on January 17, 2024. No comments were received on the Kyte River Watershed TMDL.

The EPA finds that this criterion has been adequately addressed.

12. Submittal Letter

A submittal letter should be included with the TMDL submittal and should specify whether the TMDL is being submitted for a *technical review* or *final review and approval*. Each final TMDL submitted to the EPA should be accompanied by a submittal letter that explicitly states that the submittal is a final TMDL submitted under Section 303(d) of the Clean Water Act for the EPA review and approval. This clearly establishes the State's/Tribe's intent to submit, and the EPA's duty to review, the TMDL under the statute. The submittal letter, whether for technical review or final review and approval, should contain such identifying information as the name and location of the water body, and the pollutant(s) of concern.

The EPA Review of the KRW TMDLs:

The EPA received the final Kyte River Watershed TMDL document, submittal letter and accompanying documentation from IEPA on August 30, 2024. The transmittal letter explicitly stated that the final TMDLs referenced in Table 1 of this Decision Document were being submitted to the EPA pursuant to Section 303(d) of the Clean Water Act for the EPA review and approval.

The letter clearly stated that this was a final TMDL submittal under Section 303(d) of CWA. The letter also contained the name of the watershed as it appears on Illinois's 303(d) list, and the causes/pollutants of concern. This TMDL was submitted per the requirements under Section 303(d) of the Clean Water Act and 40 C.F.R. Part 130.

The EPA finds that this criterion has been adequately addressed.

13. Conclusion

After a full and complete review, the EPA finds that the one (1) bacteria TMDL and one (1) DO-demanding substances TMDL satisfy all elements for approvable TMDLs. This approval is for **two (2) TMDLs**, addressing segments for primary contact recreational and aquatic life use impairments (Table 1 of this Decision Document).

The EPA's approval of these TMDLs extends to the water bodies which are identified above with the exception of any portions of the water bodies that are within Indian Country, as defined in 18 U.S.C. Section 1151, and as further discussed in our Decision Document. The EPA is taking no action to approve or disapprove TMDLs for those waters at this time. The EPA, or eligible Indian Tribes, as appropriate, will retain responsibilities under the CWA Section 303(d) for those waters.

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Abbreviations

ACEP	Agricultural Conservation Easement Program
BMP	best management practice
BOD	biological oxygen demand
CAFO	concentrated animal feeding operation
CBOD	carbonaceous biochemical oxygen demand
CDL	Cropland Data Layer
CFR	Code of Federal Regulations
cfs	cubic feet per second
cfu	colony forming unit
count/100 mL	count per 100 milliliters
CPS	Conservation Practice Standard
CSP	Conservation Stewardship Program
CRP	Conservation Reserve Program
CWA	Clean Water Act
DAF	design average flow
DMF	design maximum flow
DMR	discharge monitoring report
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
EQIP	Environmental Quality Incentive Program
FRSS	Facility-Related Stream Survey
FSA	Farm Service Agency
g O_2/m_2/day	grams of oxygen per square meter per day
GIS	geographic information system
GRP	Grasslands Reserve Program

HUC	hydrologic unit code
IDA	Illinois Department of Agriculture
Illinois EPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
ISWS	Illinois State Water Survey
LA	load allocation
LC	loading capacity
mgd	million gallons per day
mg/L	milligrams per liter
mg O_2/L	milligrams of oxygen per liter
mL	milliliters
MOS	margin of safety
MS4	municipal separate storm sewer system
NA	not applicable
NASS	National Agricultural Statistics Service
NCDC	National Climatic Data Center
ND	no data
NED	National Elevation Dataset
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
PFC	Partners for Conservation Program
POR	period of record
RC	reserve capacity
RCPP	Regional Conservation Partnership Program
SWCD	soil and water conservation district
SOD	sediment oxygen demand
STP	sewage treatment plant

SU	standard units
SSURGO	Soil Survey Geographic
STORET	Storage and Retrieval
TMDL	total maximum daily load
TP	total phosphorus
TSS	total suspended solids
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
WBP	watershed-based plan
WLA	waste load allocation
WWTP	wastewater treatment plant
µg/L	micrograms per liter

Executive Summary

A total maximum daily load (TMDL) is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards. TMDLs are a requirement of Section 303(d) of the Clean Water Act (CWA). To meet this requirement, the Illinois Environmental Protection Agency (Illinois EPA) must identify water bodies not meeting water quality standards and then establish TMDLs for restoration of water quality. Illinois EPA develops a list, known as the 303(d) list, of water bodies not meeting water quality standards every 2 years, which is included in the Integrated Water Quality Report. Water bodies on the 303(d) list are then targeted for TMDL development. In accordance with U.S. Environmental Protection Agency (EPA) guidance, the report assigns all waters of the state to one of five categories; 303(d)-listed water bodies make up category five in the Integrated Report.

Water bodies listed as impaired in the 2018 Integrated Water Quality Report and 303(d) List[1] were originally targeted for TMDL development in 2019. A Stage 1 TMDL report was initiated for the Kyte River watershed based on the 2018 303(d) list. Stage 1 of TMDL development reviews and documents the physical characteristics of a watershed as well as available historical data in comparison to applicable water quality standards. **Table ES-1** contains information on the 2018 impaired water bodies that were investigated for this report:

Table ES-1 Impaired Water Bodies in Kyte River Watershed (2018 303(d) List)

Segment ID	Segment Name	Potential Cause of Impairment	Use Description	Potential Source of Impairment (as identified in the 2018 303(d) list)
IL_PL-03	Kyte River	**Fecal Coliform**	Primary Contact Recreation	Agriculture
IL_PLB-C1	Beach Creek	**Dissolved Oxygen (DO)**	Aquatic Life	Municipal Point Source Discharges
		Total Phosphorus (TP)	Aquatic Life	Municipal Point Source Discharges

Notes: **Bold** text indicates the cause of impairment has a numeric water quality standard for which a TMDL will be developed. *Italicized* text indicates the parameter has an Illinois EPA load reduction goal that will be applied.

Since the completion of Stage 1, the 2020/2022 Illinois Integrated Water Quality Report and 303(d) List[2] was approved by EPA on June 30, 2022. The segments and impairments shown in **Table ES-1** remain unchanged on the 2020/2022 303(d) list and TMDLs have been developed and are documented in this report.

---

[1] Illinois EPA. 2018. *Illinois Integrated Water Quality Report and Section 303(d) List, 2018*. https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/water-quality/watershed-management/tmdls/documents/2018-cycle-integrated-report-final-20210201.pdf

[2] Illinois EPA. 2022a. *Illinois Integrated Water Quality Report and Section 303(d) List, 2020/2022*. https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/water-quality/watershed-management/tmdls/documents/2020-2022-ir-final-6-01-22.pdf

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Section 1

Goals and Objectives for the Kyte River Watershed

1.1 Total Maximum Daily Load Overview

A total maximum daily load (TMDL) is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards. TMDLs are a requirement of Section 303(d) of the Clean Water Act (CWA). To meet this requirement, the Illinois Environmental Protection Agency (Illinois EPA) must identify water bodies not meeting water quality standards and then establish TMDLs for restoration of water quality. Every 2 years, Illinois EPA develops a list, known as the 303(d) list, of water bodies that do not meet water quality standards. The list is included in the Integrated Water Quality Report. Water bodies on the 303(d) list are then targeted for TMDL development. In accordance with EPA's guidance, the report assigns all waters of the state to one of five categories. The 303(d)-listed water bodies make up category five in the integrated report.

In general, a TMDL is a quantitative assessment of water quality impairments, contributing potential sources, and pollutant reductions needed to attain water quality standards. The TMDL specifies the amount of a pollutant or other stressor that needs to be reduced to meet water quality standards, allocates pollutant control or management responsibilities among sources in a watershed, and provides a scientific and policy basis for taking actions needed to restore a water body.

Water quality standards are laws or regulations that states authorize to enhance water quality and protect public health and welfare. Water quality standards provide the foundation for accomplishing two of the principal goals of the CWA. These goals are:

- Restore and maintain the chemical, physical, and biological integrity of the nation's waters
- Where attainable, achieve water quality that promotes protection and propagation of fish, shellfish, and wildlife, and provides for recreation in and on the water

Water quality standards consist of three elements:

- Designated beneficial use or uses of a water body or segment of a water body
- Water quality criteria necessary to protect the use or uses of that particular water body
- Antidegradation policy

Examples of designated uses are primary contact (swimming), protection of aquatic life, aesthetic quality, and public and food processing water supply. Water quality criteria describe the quality of water that will support a designated use. Water quality criteria can be expressed as numeric limits or as a narrative statement. Antidegradation policies are adopted so that water quality improvements are conserved, maintained, and protected.

1.2 Total Maximum Daily Load Goals and Objectives

Illinois EPA has a three-stage approach to TMDL development. The stages are:

Stage 1 – Watershed Characterization, Data Analysis, Methodology Selection;

Stage 2 – Data Collection (optional); and

Stage 3 – Model Calibration, TMDL Scenarios, Implementation Plan.

Water bodies listed as impaired in the 2018 Integrated Water Quality Report and 303(d) List[3] were originally targeted for Stage 1 TMDL development in 2019. Illinois EPA uses the U.S. Geologic Survey (USGS) 10-digit hydrologic unit code (HUC) to group subbasins into TMDL watersheds. This report addresses Stage 1 TMDL development for the Kyte River watershed (HUC 0709000503). Stage 2 was not performed as data collection was not necessary to support the Stage 3 work.

Following this process, the TMDL goals and objectives for the Kyte River watershed included developing TMDLs for all impaired water bodies within the watershed, describing all of the necessary elements of the TMDLs, developing a watershed-based plan (WBP) for each TMDL, and gaining public acceptance of the process. Following are the impaired water body segments in the Kyte River watershed:

- Kyte River (IL_PL-03)
- Beach Creek (IL_PLB-C1)

The impaired water body segments are shown on **Figure 1-1**. There are two impaired stream segments within the Kyte River watershed addressed in this report. **Table 1-1** lists the water body segment, potential causes of impairment, use description, and potential sources of impairment for the water body as listed in the 2018 Integrated Report.

Illinois EPA is currently only developing TMDLs for parameters that have numeric water quality standards. For potential causes that do not have numeric water quality standards, as noted in **Table 1-1**, TMDLs will be deferred until those criteria are developed. However, until numeric criteria are adopted, WBPs will be developed using percent reduction goals established by Illinois EPA. In addition, some of these potential causes may be addressed by implementation of controls for the pollutants with numeric water quality standards.

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[3] Illinois EPA. 2018. *Illinois Integrated Water Quality Report and Section 303(d) List, 2018*. https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/water-quality/watershed-management/tmdls/documents/2018-cycle-integrated-report-final-20210201.pdf

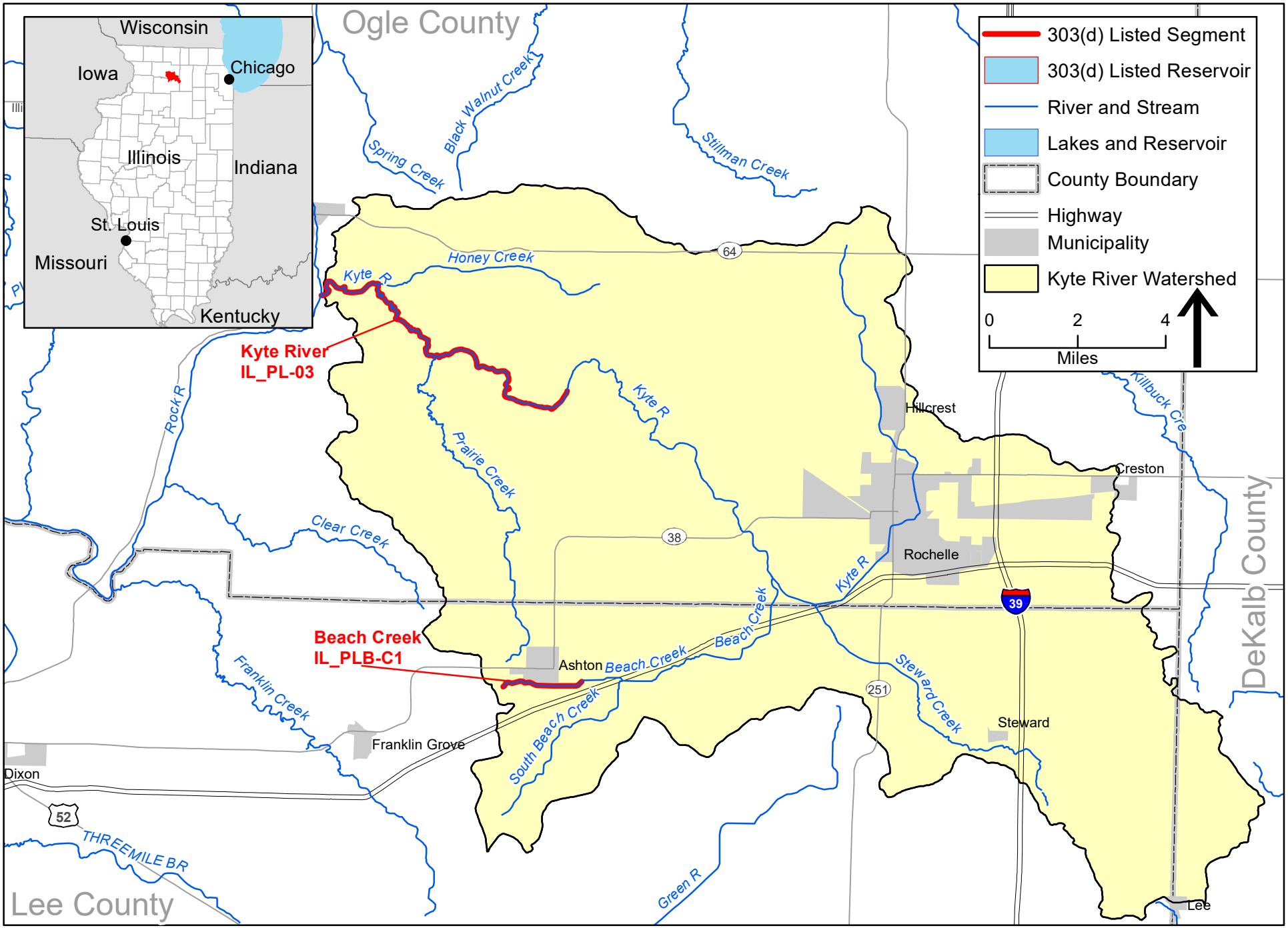

Figure 1-1: Kyte River Watershed, HUC 0709000503

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Table 1-1 Impaired Water Bodies in Kyte River Watershed

Segment ID	Segment Name	Potential Cause of Impairment	Use Description	Potential Source of Impairment (as identified in the 2018 303(d) list)
IL_PL-03	Kyte River	**Fecal Coliform**	Primary Contact Recreation	Agriculture
IL_PLB-C1	Beach Creek	**Dissolved Oxygen (DO)**[1]	Aquatic Life	Municipal Point Source Discharges
		TP	Aquatic Life	Municipal Point Source Discharges

Notes: **Bold** text indicates the cause of impairment has a numeric water quality standard for which a TMDL will be developed. *Italicized* text indicates the parameter has an Illinois EPA load reduction goal that will be applied.

[1] DO impairment may be associated with high concentrations of other water quality parameters. The TMDL for DO impairment in Beach Creek has been developed for sediment oxygen demand (SOD) and carbonaceous biochemical oxygen demand (CBOD).

Since the completion of Stage 1, the 2020/2022 Illinois Integrated Water Quality Report and 303(d) List was approved by EPA on June 30, 2022.[4] The impairments shown in **Table 1-1** remain on the most recently approved 303(d) list.

The TMDL for the segments listed in **Table 1-1** specify the following elements:

- Loading capacity (LC), or the maximum amount of pollutant loading a water body can receive without violating water quality standards
- Waste load allocation (WLA), or the portion of the TMDL allocated to existing or future point sources
- Load allocation (LA), or the portion of the TMDL allocated to existing or future nonpoint sources and natural background
- Margin of safety (MOS), or an accounting of uncertainty about the relationship between pollutant loads and receiving water quality
- Reserve capacity (RC), or a portion of the load explicitly set aside to account for growth in the watershed

These elements are combined into the following equation:

$$\mathbf{TMDL = LC = \Sigma WLA + \Sigma LA + MOS + RC}$$

TMDLs also consider the seasonal variability of pollutant loads so that applicable water quality standards are met during all seasons of the year. Also, reasonable assurance that the TMDLs and percent reduction goals will be achieved is described in the WBPs. The WBP for the Kyte River watershed describes how water quality standards and goals will be met and attained. The WBP includes recommendations for implementing BMPs, developing cost estimates, evaluating institutional needs to implement BMPs and controls throughout the watershed, and developing a timeframe for completing implementation activities.

[4] Illinois EPA. 2022. *Illinois Integrated Water Quality Report and Section 303(d) List, 2022/2022*. https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/water-quality/watershed-management/tmdls/documents/2020-2022-ir-final-6-01-22.pdf

1.3 Report Overview

The remaining sections of this report contain:

- **Section 2 Kyte River Watershed Description** describes the watershed's location, topography, geology, land use, soils, population, and hydrology.
- **Section 3 Kyte River Public Participation** discusses public participation activities that will occur throughout TMDL development.
- **Section 4 Kyte River Watershed Water Quality Standards** defines the water quality standards and water quality guidelines for the impaired water bodies.
- **Section 5 Kyte River Watershed Data and Potential Pollution Sources** presents the available water quality data needed to develop TMDLs, discusses the characteristics of the impaired stream segments in the watershed, and describes the point and nonpoint sources with the potential to contribute to the watershed load.
- **Section 6 Approach to Developing Total Maximum Daily Loads and Identifying Data Needs** makes recommendations for data needs and the models and analysis necessary for TMDL development.
- **Section 7 Methodology Development for Load Reduction Calculations for the Kyte River Watershed** details the development of TMDLs and load reduction targets for the impaired segments.
- **Section 8 Total Maximum Daily Loads for the Kyte River Watershed** provides results of the water quality modeling and analyses for the impaired segments within the watershed.
- **Section 9 Watershed-Based Plan for the Kyte River Watershed** includes implementation actions, point source monitoring, management measures, and BMPs to address water quality issues in the watershed.

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Section 2

Kyte River Watershed Description

2.1 Location

The Kyte River watershed (HUC 0709000503 shown on **Figure 1-1**) is in northern Illinois and drains approximately 125,600 acres or 196.25 square miles. Approximately 81,300 acres (64.7 percent of the total watershed) lie in Ogle County, 40,800 acres (32.5 percent of the total watershed) lie in Lee County, and 3,600 acres (2.9 percent of the total watershed) lie in DeKalb County.

2.2 Topography

Topography is an important factor in watershed management because stream types, precipitation, and soil types can vary significantly with elevation. Elevation data are available from USGS[5] for each 1:24,000 topographic quadrangle in the United States. Elevation data for the Kyte River watershed were obtained by overlaying the USGS grid data onto the geographic information system (GIS)-delineated watershed.

Figure 2-1 shows the elevations within the watershed, which range from approximately 960 feet above sea level in the southeastern portion of the watershed to approximately 660 feet above sea level where Kyte River meets Rock River.

2.3 Land Use

Land use data for the Kyte River watershed were extracted from the U.S. Department of Agriculture (USDA) National Agriculture Statistics Service (NASS) 2018 Cropland Data Layer (CDL).[6] The CDL is a raster-based, georeferenced, crop-specific land cover data layer created to provide acreage estimates to the Agricultural Statistics Board for the state's major commodities and to produce digital, crop-specific, categorized georeferenced output products. This information is made available to all agencies and to the public free of charge and represents the most accurate and up-to-date land cover datasets available at a national scale. The most recent CDL dataset was produced in 2018 and includes 30 separate land use classes applicable to the watershed. The available resolution of the land cover dataset is 30 square meters.

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[5] USGS. 3D Elevation Program webpage. https://www.usgs.gov/3d-elevation-program

[6] NASS CDL. https://www.nass.usda.gov/Research_and_Science/Cropland/Release/index.php

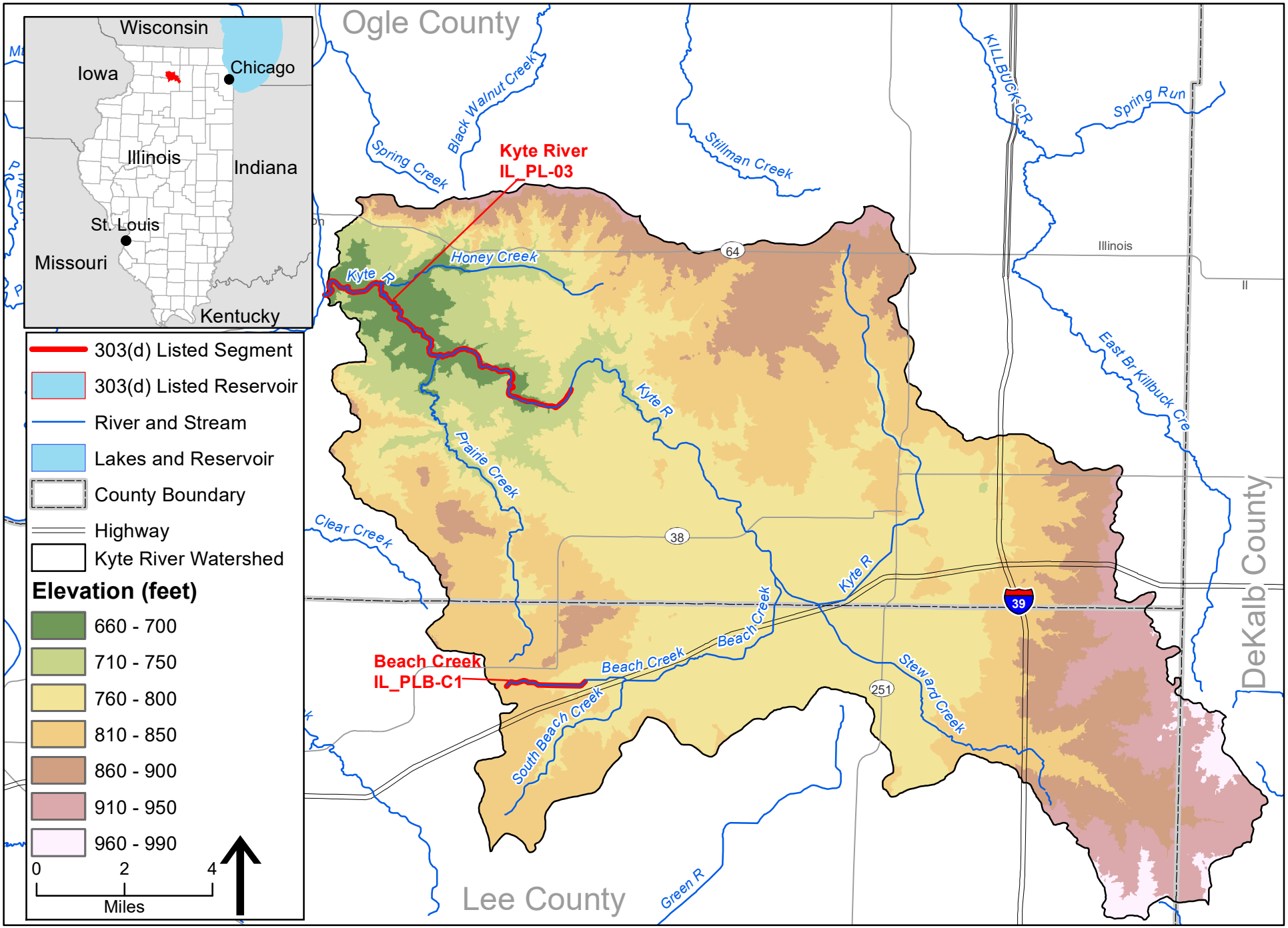

Figure 2-1: Kyte River Watershed, Elevation

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Land use characteristics of the watershed were determined by overlaying the Illinois Statewide 2018 CDL data layers onto the GIS-delineated watershed. **Table 2-1** contains the prominent categories of land use in the Kyte River watershed, based on the 2018 CDL land cover categories, and includes the area of each land cover category and percentage of the watershed area. **Figure 2-2** illustrates the land uses in the watershed. **Appendix A** contains a table of all land uses in the watershed.

The land cover data reveal that approximately 98,798 acres, representing 79 percent of the total watershed area, are dedicated to agricultural activities. Corn and soybeans comprise 99 percent of the agricultural land use within the watershed. Developed areas comprise 9.5 percent of the watershed (11,921 acres). Approximately 6.3 percent of the watershed area (7,953 acres) is forested and 4.3 percent of the land area is grassland or pasture (5,357 acres). The remaining watershed is wetlands or open water.

Table 2-1 Land Cover and Land Use in Kyte River Watershed

Land Cover Category	Area (acres)	Percentage
Corn	59,889	48%
Soybeans	37,515	30%
Deciduous Forest	7,953	6.3%
Grass/Pasture	5,357	4.3%
Developed/Low Intensity	4,839	3.9%
Developed/Open Space	4,386	3.5%
Developed/Med Intensity	1,771	1.4%
Developed/High Intensity	925	0.7%
Winter Wheat	561	0.4%
Open Water	452	0.4%
Alfalfa	443	0.4%
Oats	390	0.3%
Woody Wetlands	385	0.3%
All Others	783	0.6%
Total	**125,649**	**100%**

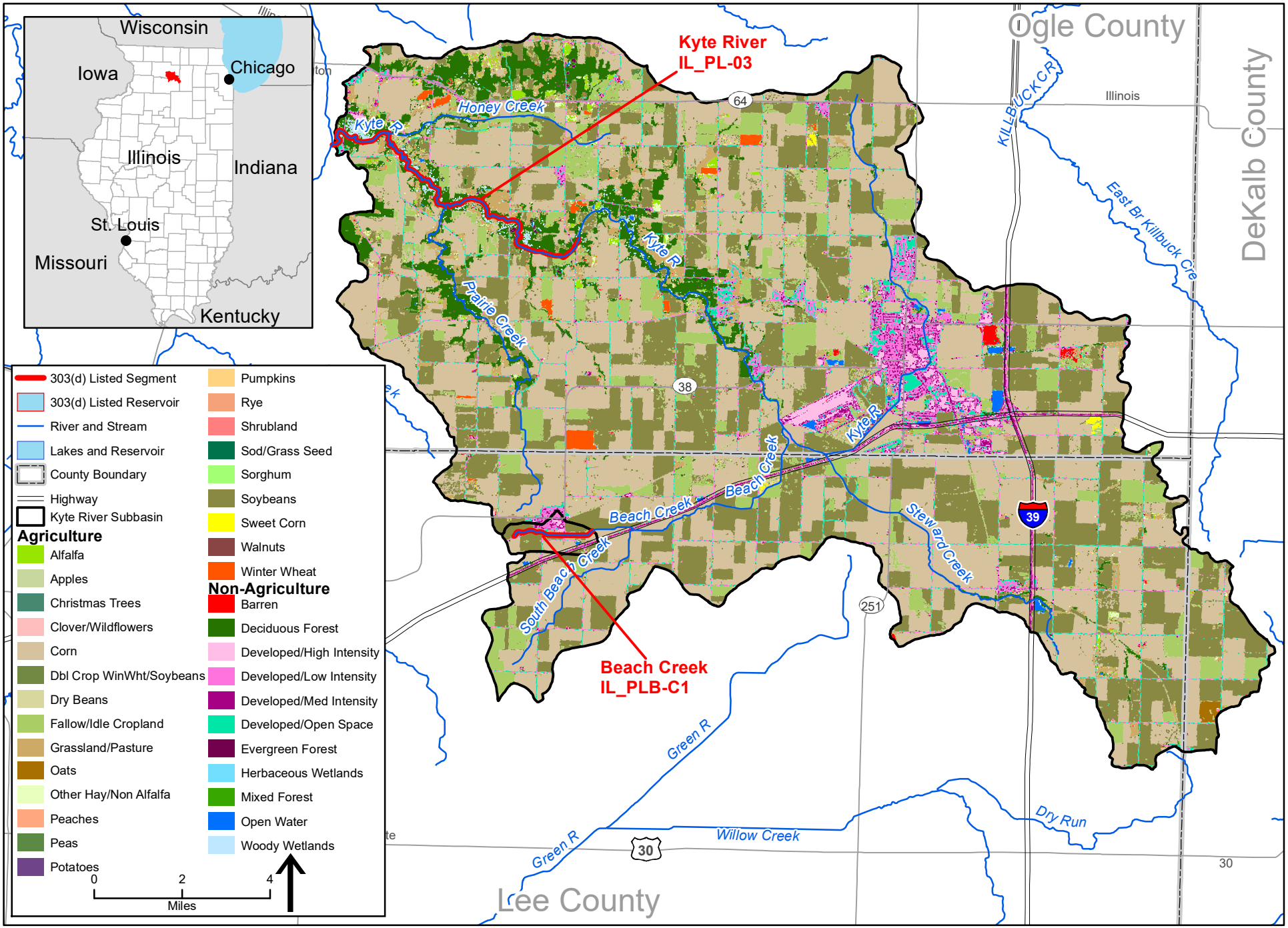

Figure 2-2: Kyte River Watershed, Land Use

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2.3.1 Subbasin Land Use

The subbasin areas draining to each impaired segment were further delineated through GIS (**Figure 2-2**). Land cover data were then intersected with the subbasin boundaries to determine the land uses contributing runoff to Beach Creek segment IL_PLB-C1 and Kyte River segment IL_PL-03.

Kyte River segment IL_PL-03 receives drainage from all upgradient land areas of the watershed (**Table 2-1**), which includes Beach Creek segment IL_PLB-C1. The land areas within the IL_PLB-C1 subbasin are shown in **Table 2-2.**

Table 2-2 Land Cover and Land Use in the Beach Creek segment IL_PLB-C1 Subbasin

Land Cover Category	Area (acres)	Percentage
Corn	534	58.4%
Soybeans	111	12.1%
Developed/Low Intensity	107	11.7%
Developed/Medium Intensity	57	6.2%
Grass/Pasture	48	5.2%
Developed/Open Space	28	3.1%
Developed/High Intensity	18	2.0%
Open Water	6.8	0.7%
Deciduous Forest	3.4	0.4%
All Others	1.7	0.2%
Total	**915**	**100%**

2.4 Soils

Soils data are available through the Natural Resources Conservation Service (NRCS) Soil Survey Geographic (SSURGO) database.[7] For SSURGO data, field mapping methods using national standards are used to construct the soil maps. Mapping scales generally range from 1:12,000 to 1:63,360, making SSURGO the most detailed level of soil mapping done by NRCS.

Attributes of the spatial coverage can be linked to the SSURGO database, which supplies information on various chemical and physical soil characteristics for each map unit and soil series. Of interest for TMDL development are the hydrologic soil groups and the K-factor of the Universal Soil Loss Equation. The subsection discusses soil characteristics of the Kyte River watershed.

2.4.1 Soil Characteristics

Appendix B contains a table of the SSURGO soil series for the Kyte River watershed. A total of 182 soil types exist in the watershed. The most common type—Drummer silty clay loam (0 to 2 percent slopes)—covers 11.7 percent of the watershed. The second most common type—Elburn silt loam (0 to 2 percent slopes)—covers 9.2 percent of the watershed. The other individual soil types each represent approximately 6 percent or less of the total watershed area, with most soils

[7] NRCS SSURGO. https://www.nrcs.usda.gov/resources/data-and-reports/soil-survey-geographic-database-ssurgo

representing between 0 and 200 acres throughout the whole watershed. The table in **Appendix B** also contains the area, dominant hydrologic soil group, and K-factor range. Each of these characteristics is described in more detail in the paragraphs that follow.

Figure 2-3 shows the hydrologic soils groups found within the Kyte River watershed. Hydrologic soil groups are used to estimate runoff from precipitation. Soils are assigned to one of four groups according to the infiltration of water when the soils are thoroughly wet and receive precipitation from long-duration storms:

- Group A: Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.
- Group B: Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
- Group C: Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
- Group D: Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

While hydrologic soil groups A, B, C, D, A/D, B/D, and C/D are all found within the Kyte River watershed. Group B/D soils are the most common type, representing 43 percent of the watershed. Group B/D is a dual hydrologic soil group. Dual hydrologic soil groups can be adequately drained. The first letter applies to the drained condition and the second letter to the undrained condition. For the purpose of hydrologic soil grouping, "adequately drained" means that the seasonal high-water table is kept at 24 inches below the surface.[8]

A commonly used soil attribute is the K-factor. The K-factor:

> *Indicates the susceptibility of a soil to sheet and rill erosion by water. (The K-factor) is one of six factors used in the Universal Soil Loss Equation (USLE) to predict the average annual rate of soil loss by sheet and rill erosion. Losses are expressed in tons per acre per year. These estimates are based primarily on percentage of silt, sand, and organic matter (up to 4 percent) and on soil structure and permeability. Values of K range from 0.02 to 0.69. The higher the value, the more susceptible the soil is to sheet and rill erosion by water (NRCS 2005).*[9]

The distribution of K-factor values in the Kyte River watershed range from 0.02 to 0.47 (**Figure 2-4**).

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[8] NRCS. 2007. *Hydrology National Engineering Handbook*. Part 630, Hydrologic Soil Groups. https://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=22526.wba

[9] Institute of Water Research. Michigan State University. 2002. RUSLE Online Soil Erosion Assessment Tool. http://www.iwr.msu.edu/rusle/kfactor.htm

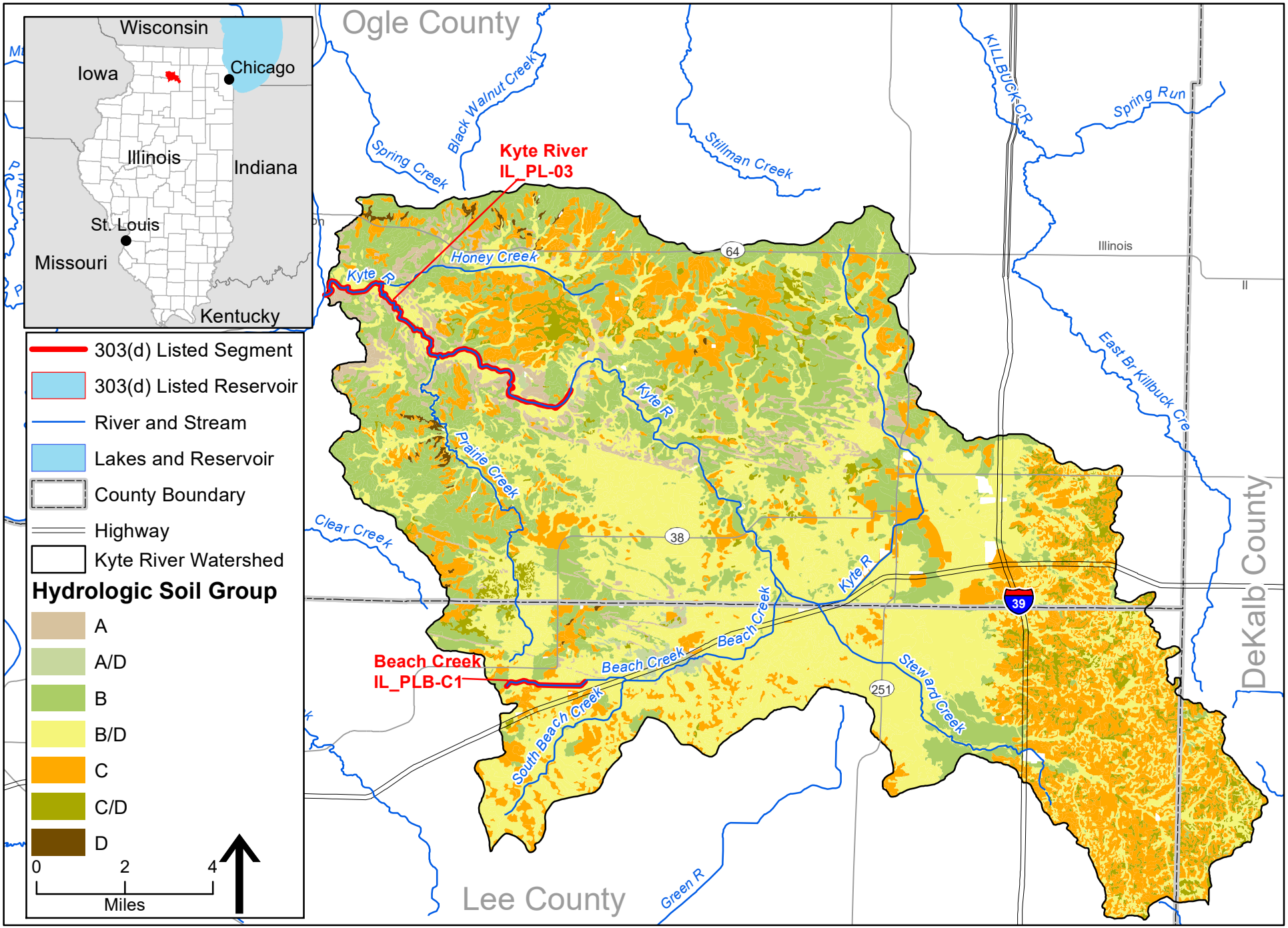

Figure 2-3: Kyte River Watershed, Soils

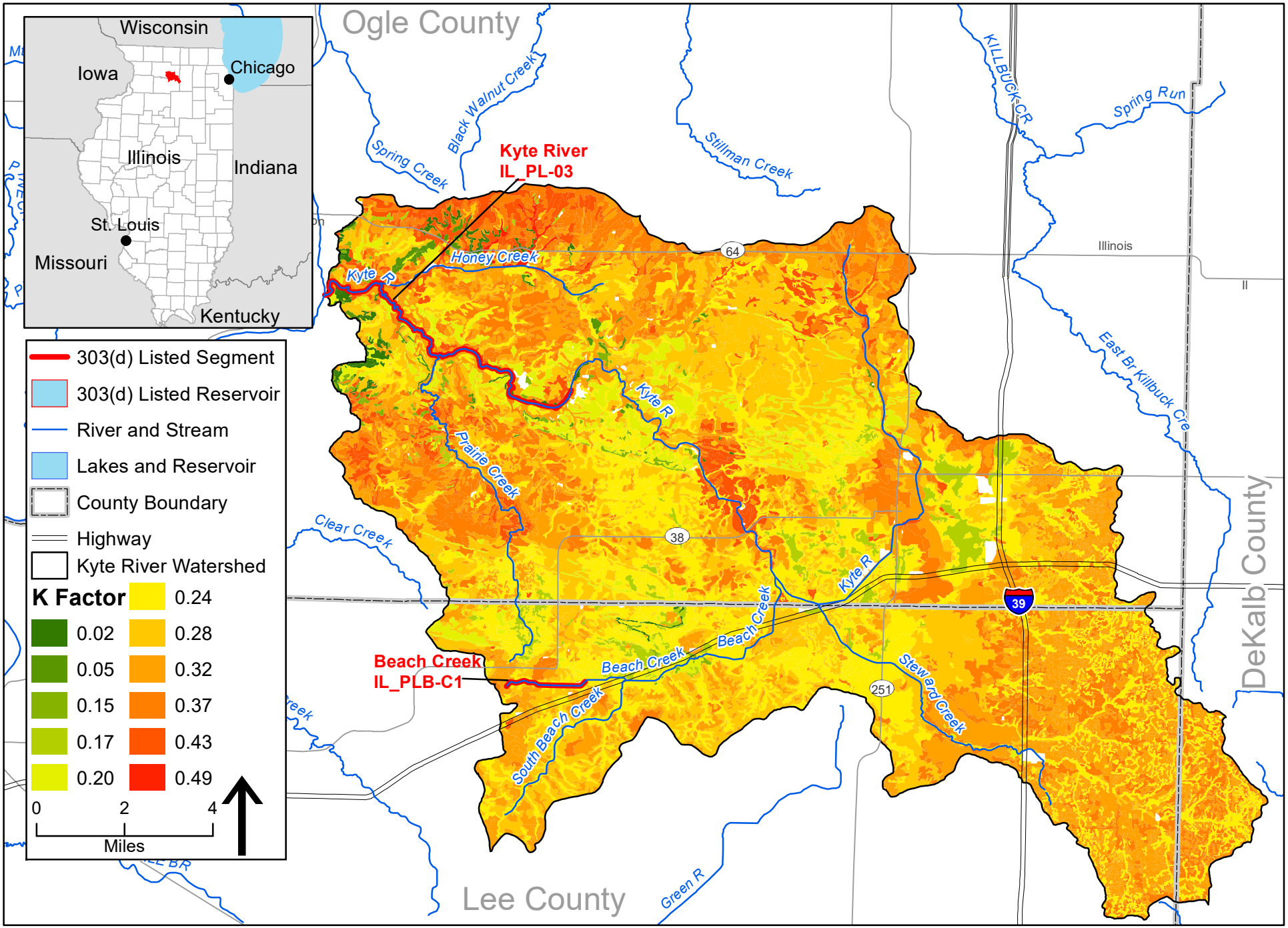

Figure 2-4: Kyte River Watershed, K-Factor Ranges

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2.5 Population

Census TIGER/Line data[10] from the U.S. Census Bureau were reviewed along with shapefiles of census blocks[11] available for the entire state of Illinois. Census blocks having geographic center points (centroids) within the watershed were selected and tallied to provide an estimate of populations in all census blocks both completely and partially contained by the watershed boundary. Given that the optimal size of a census block group is 1,500 people, and 16 block group centroids are located within the watershed, it is estimated that approximately 24,000 people reside in the Kyte River watershed. The major municipalities in the watershed are shown on **Figure 1-1**. The largest urban development in the watershed is the City of Rochelle, which lies partially within the watershed and had an estimated 2020 population of approximately 9,446, a decrease from the estimated 9,574 people in 2010.[12]

2.6 Climate and Streamflow

2.6.1 Climate

Northern Illinois has a temperate climate with hot summers and cold, moderately snowy winters. Monthly temperature and precipitation data from Rochelle, Illinois (USC00117354) were extracted from the National Centers for Environmental Information database[13] for 1978 through 2019. This station was selected because of its location within the watershed and completeness of its dataset.

Table 2-3 contains the average monthly precipitation along with average high and low temperatures for the period of record (POR). The average annual precipitation is approximately 36 inches. May through August are historically the wettest months while January and February are the driest.

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[10] U.S. Census Bureau. TIGER/Line Shapefiles. https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html

[11] U.S. Census Bureau. 2010 Census – Block Maps. https://www.census.gov/geographies/reference-maps/2010/geo/2010-census-block-maps.html

[12] U.S. Census Bureau. QuickFacts. https://www.census.gov/quickfacts/fact/table/rochellecityillinois,charlestoncityillinois,IL,US/PST045221

[13] National Centers for Environmental Information. Station USC00117354 precipitation data. https://www.ncdc.noaa.gov/cdo-web/datatools/findstation

Table 2-3 Average Monthly Climate Data for Rochelle, Illinois

Month	Average Total Precipitation (inches)	Average Daily Maximum Temperature (degrees Fahrenheit)	Average Daily Minimum Temperature (degrees Fahrenheit)
January	1.5	28.2	11.0
February	1.6	32.1	14.7
March	2.0	45.2	26.0
April	3.4	59.1	36.7
May	4.1	70.7	47.7
June	4.6	79.9	57.8
July	3.8	83.0	61.0
August	4.4	81.4	59.6
September	3.2	75.1	50.9
October	2.8	62.4	39.0
November	2.5	47.3	28.8
December	2.0	33.0	16.7
Average	**35.9**[1]	**58.1**	**37.5**

Note:
[1] Average annual total.

2.6.2 Streamflow

Analysis of the Kyte River watershed requires an understanding of flow throughout the drainage area. There are no active USGS stream gages in the watershed and one inactive stream gage along the Kyte River, approximately 8 miles upstream of the impaired stream segment of the Kyte River (**Figure 2-5**). **Table 2-4** lists the station information.[14]

Table 2-4 USGS Stream Gages in the Kyte River Watershed

Gage Number	Name	POR
05442000	Kyte River near Flagg Center, IL	1939–1951

[14] USGS. National Water Information System. Daily Streamflow Data for Illinois. https://waterdata.usgs.gov/IL/nwis/current/?type=dailydischarge&group_key=basin_cd

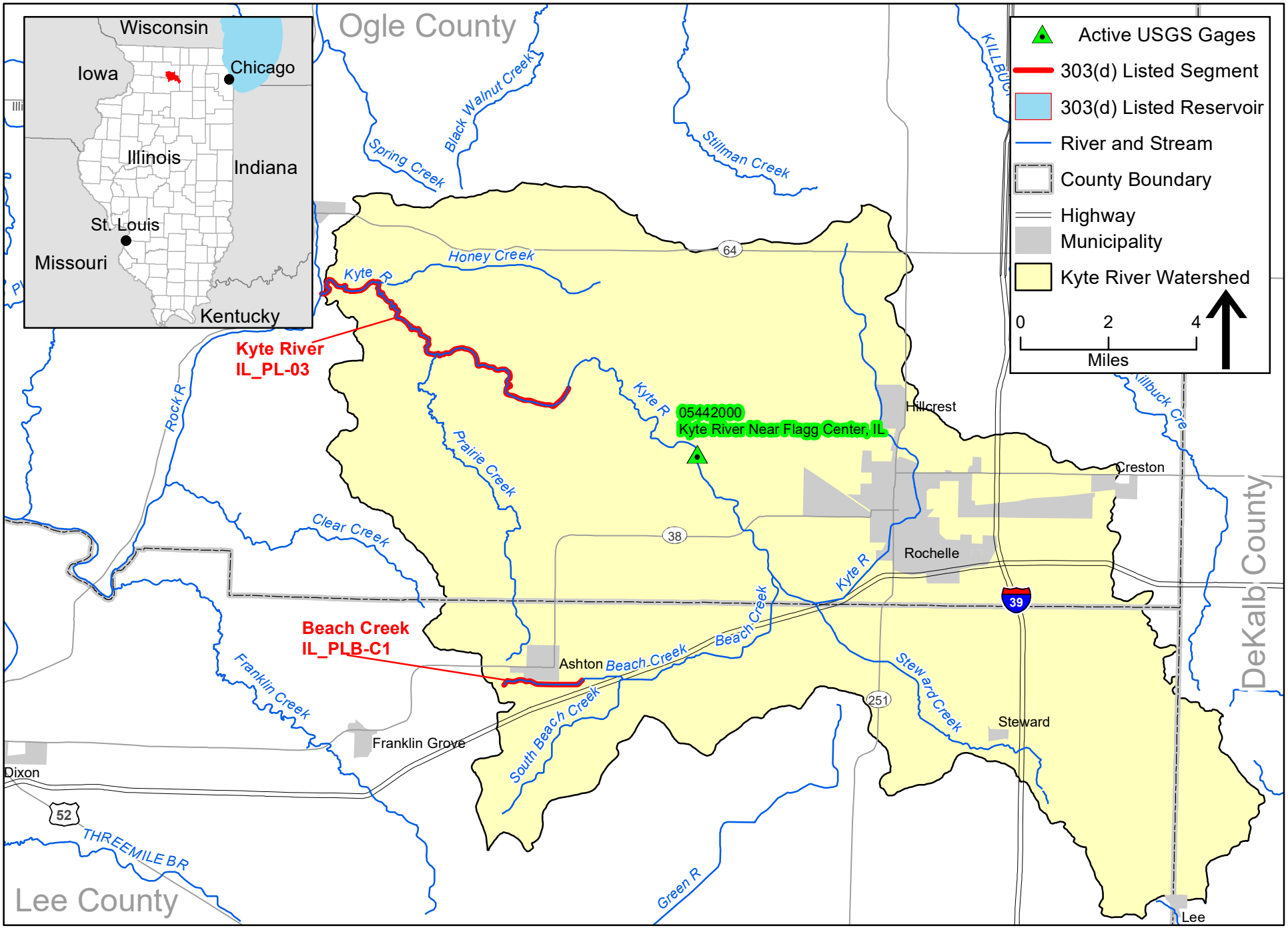

Figure 2-5: Kyte River Watershed, Active USGS Gages

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There are four USGS gages in adjacent watersheds with similar characteristics to those of the Kyte River watershed that have available discharge data and were considered for use in estimating streamflow. These gages are summarized in **Table 2-5**.

Table 2-5 USGS Streamflow Gages in the Watersheds Adjacent to the Kyte River Watershed

Gage Number	Name	Drainage Area (square miles)	Approximate Distance from Kyte Watershed (miles)	POR	Minimum Monthly Flow (cfs)	Maximum Monthly Flow (cfs)
05444000	Elkhorn Creek near Penrose, IL	146	20	1939–2019	10	5,430
05439000	South Branch Kishwaukee at Dekalb	78	10	1925–2019	Less than 1	2,520
05439500	South Branch Kishwaukee near Fairdale, IL	387	11	1939–2019	3	14,600
05438500	Kishwaukee River at Belvidere, IL	538	21	1939–2019	15	8,860

cfs – cubic feet per second

USGS gages 05444000 and 05439500 have drainage areas most similar in scale to the Kyte River watershed. Land use and land cover characteristics are also similar between the basins. Based on watershed proximity, data from these gages were selected to estimate flow values for TMDL development for the impaired water bodies using the drainage area ratio method represented by the following equation:

$$Q_{gaged}\left(\frac{Area_{ungaged}}{Area_{gaged}}\right) = Q_{ungaged}$$

where Q_{gaged} = Streamflow of the gaged basin

$Q_{ungaged}$ = Streamflow of the ungaged basin

$Area_{gaged}$ = Area of the gaged basin

$Area_{ungaged}$ = Area of the ungaged basin

The assumption behind the equation is that the flow per unit area is equivalent in watersheds with similar characteristics. Therefore, the flow per unit area in the gaged watershed multiplied by the area of the ungaged watershed estimates the flow for the ungaged watershed. Additional detail on flow estimations used for TMDL development is provided in Section 7.

Section 3

Kyte River Watershed Public Participation

Public knowledge, acceptance, and follow-through are necessary to implement a plan to meet recommended load reductions, TMDLs, and WBPs. It is important to involve the public as early in the process as possible to achieve maximum cooperation and counter concerns regarding the purpose of the process and the regulatory authority to implement any recommendations.

Illinois EPA and CDM Smith held a virtual public meeting on June 30, 2021, to present Stage 1 of TMDL development. An additional virtual public meeting was held on January 17, 2024 to present the final results of the TMDL process and report. **Appendix D** contains a Responsiveness Summary to present comments received throughout the public participation process and how the comments have been addressed, where applicable.

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Section 4

Kyte River Watershed Water Quality Standards

4.1 Illinois Water Quality Standards

Water quality standards are developed and enforced by the state to protect the designated uses of the state's waterways. In Illinois, water quality standards are established by the Illinois Pollution Control Board (IPCB). Illinois is required to update water quality standards every 3 years in accordance with the CWA. The standards requiring modifications are identified and prioritized by Illinois EPA in conjunction with EPA. New standards are then developed or revised during the 3-year period.

Illinois EPA is also responsible for developing scientifically based water quality criteria and proposing them to the IPCB for adoption into state rules and regulations. The Illinois water quality standards are established in Illinois Administrative Rules Title 35, Environmental Protection; Subtitle C, Water Pollution; Chapter I, Pollution Control Board; Part 302, Water Quality Standards.[15]

4.2 Designated Uses

The waters of Illinois are classified by designated uses: General Use, Public and Food Processing Water Supplies, Lake Michigan Basin, and Secondary Contact and Indigenous Aquatic Life Use.[16] The designated uses applicable to the impairments within the Kyte River watershed fall under General Use as discussed in Section 4.2.1.

4.2.1 General Use

The General Use classification is defined by IPCB as standards that "will protect the state's water for aquatic life, wildlife, agricultural use, secondary contact use and most industrial uses, and ensure the aesthetic quality of the state's aquatic environment."[17] Primary contact uses are protected for all General Use waters whose physical configuration allows such use.

4.3 Water Quality Criteria

According to the Illinois EPA Integrated Report, aquatic life use assessments in streams are typically based on the interpretation of biological information, physicochemical water data, and physical habitat. The primary biological measures used are the Fish Index of Biotic Integrity, the macroinvertebrate Index of Biotic Integrity and the Macroinvertebrate Biotic Index. Physical-habitat information used in assessments includes quantitative or qualitative measures of stream-bottom composition and qualitative descriptors of channel and riparian conditions.

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[15] Illinois Pollution Control Board. Title 35, Procedural and Environmental Rules. https://pcb.illinois.gov/SLR/IPCBandIEPAEnvironmentalRegulationsTitle35

[16] Illinois Numeric Water Quality Standards for Surface Waters. https://pcb.illinois.gov/documents/dsweb/Get/Document-16952/TITLE 35: ENVIRONMENTAL PROTECTION (illinois.gov)

[17] Illinois EPA. 2022.

Physicochemical water data used include measures of conventional parameters (e.g., DO, pH, temperature), priority pollutants, nonpriority pollutants, and other pollutants.

Table 4-1 presents the numeric water quality standards of the potential causes of impairment (as listed in the 2018 and 2020/2022 303(d) lists) for streams and rivers in the Kyte River watershed. Note that DO is not a traditional pollutant but rather an indicator of biological health within a water body. TMDLs have been developed for parameters that affect instream DO concentrations. The goal of the TMDLs is to reduce the loads of oxygen-demanding materials entering the impaired segment so that the DO standard is attained, and the aquatic life designated use is supported.

Table 4-1 Summary of Numeric Water Quality Standards for Potential Causes of Stream Impairments in Kyte River Watershed

Parameter	Units	General Use Water Quality Standard	Regulatory Reference
DO	mg/L	*March through July* greater than or equal to 5.0 minimum and greater than or equal to 6.0 7-day daily mean averaged over 7 days *August through February* greater than or equal to 3.5 minimum, greater than or equal to 4.0 7-day minimum averaged over 7 days, and greater than or equal to 5.5 30-day daily mean	302.206(b)[1]
Fecal Coliform	count/100 mL	*May through October* 200[2], 400[3]	302.209

Notes:

[1] 302.206(d) provides further information on detailed calculations for determining the acute and chronic standards for DO.

[2] The geometric mean is based on a minimum of five samples collected over not more than a 30-day period.

[3] The standard shall not be exceeded by more than 10 percent of the samples collected during any 30-day period.

mg/L – milligrams per liter; count/100 mL – count per 100 milliliters

4.4 Illinois Nutrient Loss Reduction Strategy

In addition to the water quality standards discussed above, Illinois EPA has also established water quality guidelines for nutrients in accordance with the Illinois Nutrient Loss Reduction Strategy (NLRS).[18] The NLRS was developed in response to hypoxia in the Gulf of Mexico; all 12 states within the Mississippi River Basin were called upon by EPA to reduce nutrient loads flowing into the Mississippi River. The NLRS calls for an overall 45 percent load reduction of total phosphorus (TP) leaving the State of Illinois and an interim target of 25 percent load reduction by 2025. The interim NLRS water quality goals were used to establish load reductions for the watershed (see Sections 7 and 8) and are incorporated into the WBP (Section 9). The WBP for the Kyte River watershed includes a comprehensive suite of BMPs for reducing loads from identified watershed sources.

[18] IDA. Illinois Nutrient Loss Reduction Strategy. https://agr.illinois.gov/resources/nutrientloss.html

4.5 Potential Pollutant Sources

To properly address the conditions within the Kyte River watershed, potential pollutant sources must be investigated for the pollutants where TMDLs will be developed. **Table 4-2** summarizes the potential sources associated with the listed impairments for the 303(d)-listed segments in this watershed. These potential sources are further investigated in Section 5 and through modeling and calculations presented in Section 7.

Table 4-2 Potential Pollutant Sources for Impaired Water Bodies in the Kyte River Watershed

Segment ID	Segment Name	Potential Cause of Impairment	Designated Use	Potential Source of Impairment (as identified in the 2018 303(d) list)
IL_PL-03	Kyte River	**Fecal Coliform**	Primary Contact Recreation	Agriculture
IL_PLB-C1	Beach Creek	**DO**	Aquatic Life	Municipal Point Source Discharges
		TP	Aquatic Life	Municipal Point Source Discharges

Notes: **Bold** text indicates the cause of impairment has a numeric water quality standard for which a TMDL has been developed. *Italicized* text indicates the parameter has a load reduction goal that uses target values developed by Illinois EPA.

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Section 5

Kyte River Watershed Data and Potential Pollution Sources

To further characterize the Kyte River watershed, a wide range of data were collected and reviewed. Water quality data for streams and lakes, as well as information on potential point and nonpoint sources within the watershed, were compiled from a variety of data sources. This information is presented and discussed in further detail in the remainder of this section.

5.1 Water Quality Data

Illinois EPA monitoring programs that contribute data to the assessment of streams include the Ambient Water Quality Monitoring Network, the Pesticide Monitoring Subnetwork, Facility-Related Stream Surveys (FRSSs), Intensive Basin Surveys, and the Fish Contaminant Monitoring Program.[19] Water quality data used for this report came from the Ambient Water Quality and Lake Monitoring Programs, Intensive Basin Survey Data, and FRSSs. The Ambient Water Quality Network and Ambient Lake Monitoring Programs include 146 fixed stream stations statewide that are sampled every 6 weeks. Additional data are collected during Intensive Basin Surveys, which are typically conducted on a 5-year cycle and focus on basins where intensive data are currently lacking or where historical data need updating. FRSSs were completed on Beach Creek in 1990 and 2002. Additional information on Illinois EPA's monitoring programs can be found in the Illinois Water Monitoring Strategy report.[20]

Data from historical water quality stations within the Kyte River watershed were located and reviewed for this report (**Figure 5-1**). The impaired water body segments in the Kyte River watershed were presented in Section 1. **Table 1-1** contains impairment information specific to each segment. Recent and historical data are included in this section and document historical trends and observations. Data are summarized by impairment and discussed in relation to the relevant Illinois water quality standard.

5.1.1 Stream Water Quality Data

Two impaired stream segments exist within the Kyte River watershed (Kyte River segment IL_PL-03 and Beach Creek segment IL_PLB-C1). Data presented in this section relate to the parameters of concern that currently have numeric criteria, as well as those with water quality reduction goals designed to reduce nutrient enrichment in streams in Illinois. Historical water quality data for the impaired segments of the Kyte River watershed are provided in **Appendix C**.

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[19] Illinois EPA. River and stream webpage. https://epa.illinois.gov/topics/water-quality/monitoring/river-and-stream.html

[20] Illinois EPA. 2014. *Illinois Water Monitoring Strategy 2015–2020*. https://www2.illinois.gov/epa/Documents/epa.state.il.us/water/water-quality/monitoring-strategy/monitoring-strategy-2015-2020.pdf

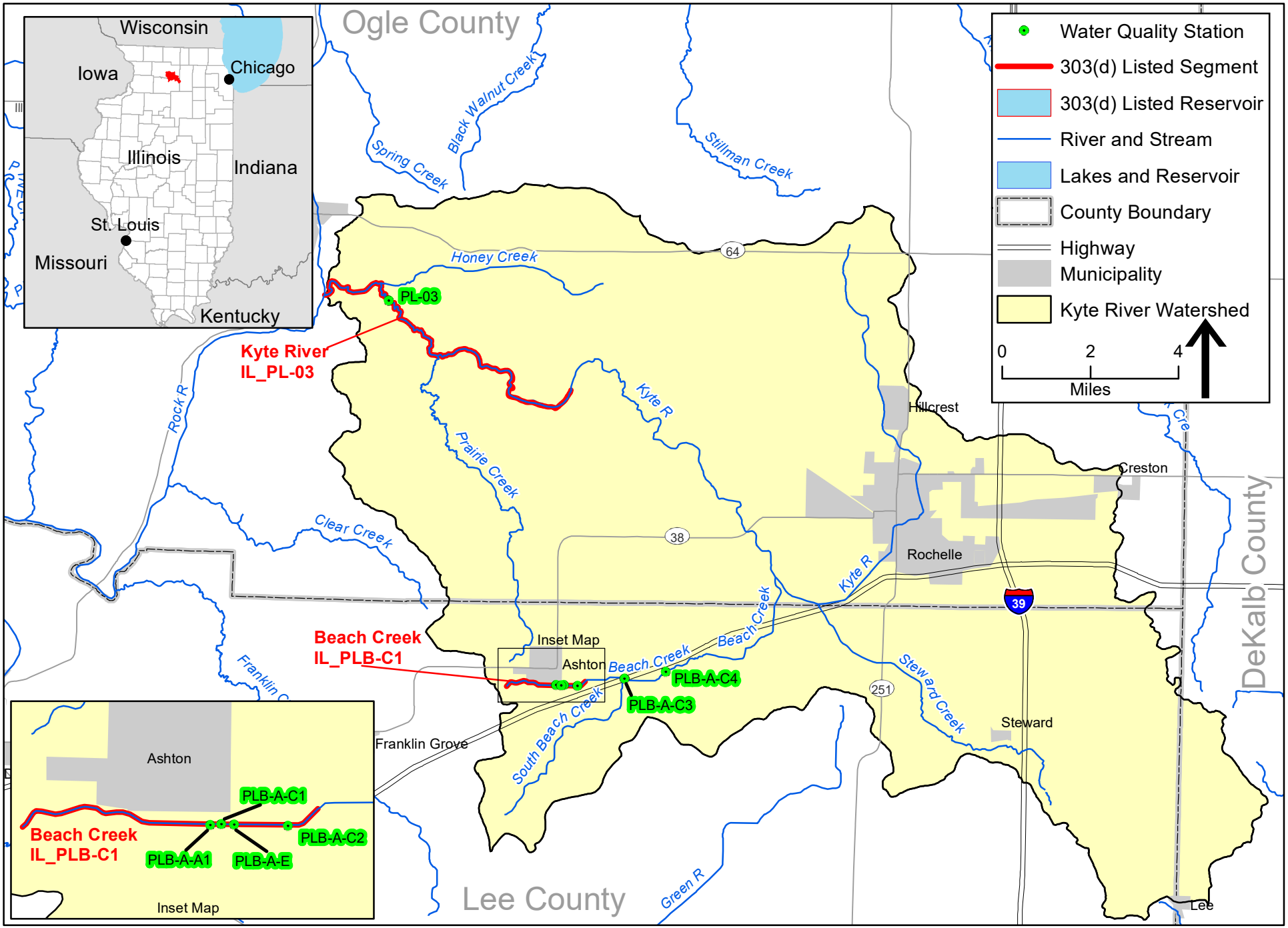

Figure 5-1: Kyte River Watershed, Water Quality Stations

5.1.1.1 Fecal Coliform

Kyte River segment IL_PL-03 is listed for impairment of the primary contact recreation use because of elevated fecal coliform concentrations. **Table 5-1** summarizes available historical fecal coliform data for this segment. The general use water quality standard for fecal coliform states that the standard of 200 colony forming units (cfu) per 100 milliliters (mL) shall not be exceeded by the geometric mean of at least five samples, nor can 10 percent of the samples collected exceed 400 cfu per 100 mL in protected waters, except as provided in 35 Illinois Administrative Code 302.209(b). Samples must be collected over a 30-day period or less during the months of May through October. Although the minimum sampling frequency requirements for assessing the 200 cfu/100 mL standard are not regularly achieved, single samples have been compared to the standards (200 cfu/100 mL and 400 cfu/100 mL) for general comparison purposes. **Table 5-1** reflects data from single samples compared to the applicable seasonal standards. **Figure 5-2** is a graph of the fecal coliform sample data over time on segment IL_PL-03.

Table 5-1 Fecal Coliform Data for Kyte River Collected at Site IL_PL-03

Stream Segment ID	POR and Number of Data Points	Geometric Mean (cfu/100 mL)	Maximum (cfu/100 mL)	Minimum (cfu/100 mL)	Number of Samples Exceeding the 200 cfu/100 mL Standard[1]	Number of Samples Exceeding the 400 cfu/100 mL Standard[1]
Kyte River IL_PL-03	1998–2006; 30	330	4,000	23	18	13

Note:

[1] Single samples collected May–October.

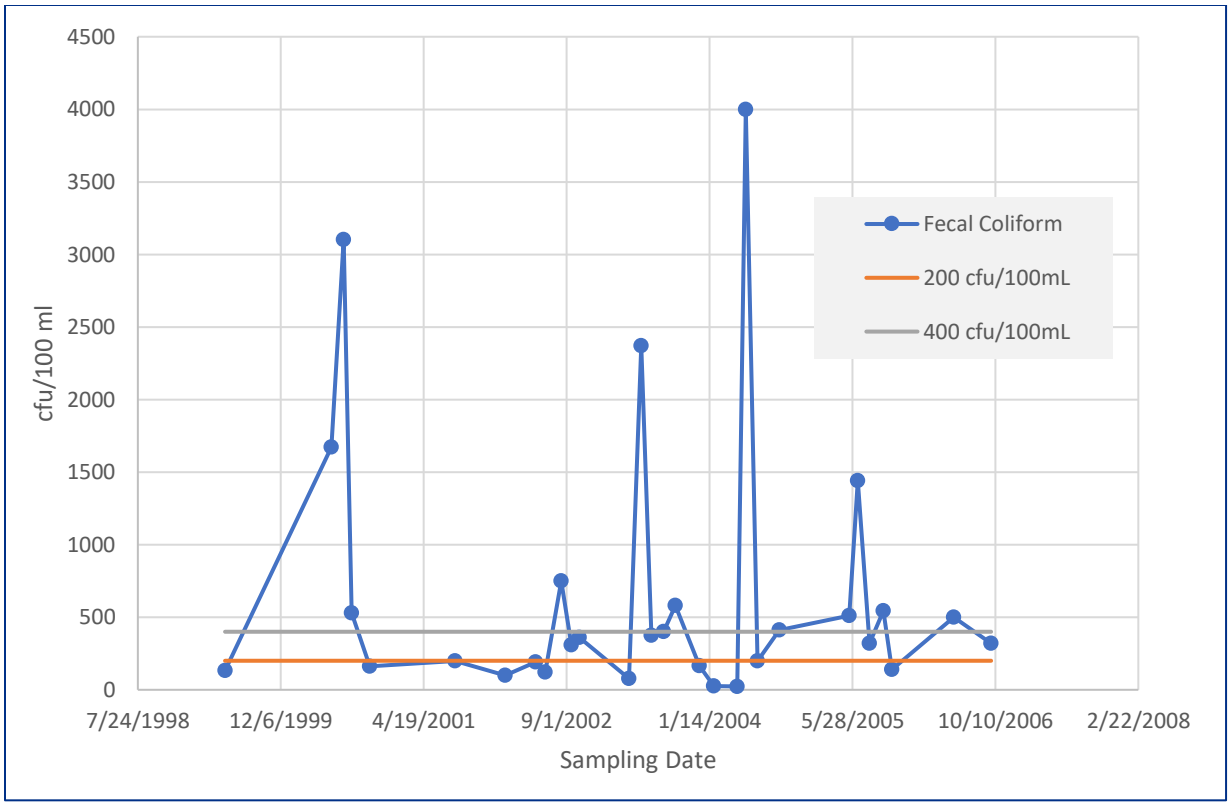

Figure 5-2 Historical Fecal Coliform Data for Kyte River Segment IL_PL-03

5.1.1.2 Dissolved Oxygen

Beach Creek segment IL_PLB-C1 is listed for impairment of the aquatic life use because of low DO concentrations. **Table 5-2** summarizes historical DO data on this segment and **Figure 5-3** is a graph of the data. The general use water quality standard provides seasonal instantaneous minimum and minimum weekly (7-day) average concentrations for DO in streams. Because of the limited dataset, only the instantaneous minimum standards of 5.0 mg/L for March through July and 3.5 mg/L for August through February were used to identify violations of the standard in this section of the report. The available datasets were not assessed for impairment of the weekly (7-day) minimum and monthly (30-day) mean DO limits; however, future data analysis may take the weekly and/or monthly standards into account. **Table 5-2** reflects single measurements from the segment during two separate FRSSs compared to the applicable seasonal standards. The dataset is limited to data collected in 1990 (four instream samples and one effluent sample) and 2002 (two instream samples and one effluent sample). Data show that low DO was measured in the plant effluent (site E of **Figure 5-3**) and that instream DO below the effluent were also below the standard. Additional data collection was recommended to confirm that impairment currently exists on this segment.

Table 5-2 Historical DO Data for Beach Creek Segment IL_PLB-C1

Impaired Stream Segment Name and ID	POR and Number of Data Points	Mean (mg/L)	Maximum (mg/L)	Minimum (mg/L)	Number of Violations
Beach Creek Segment IL_PLB-C1	1990, 2002; 7	2.38	7.6	0.6	6

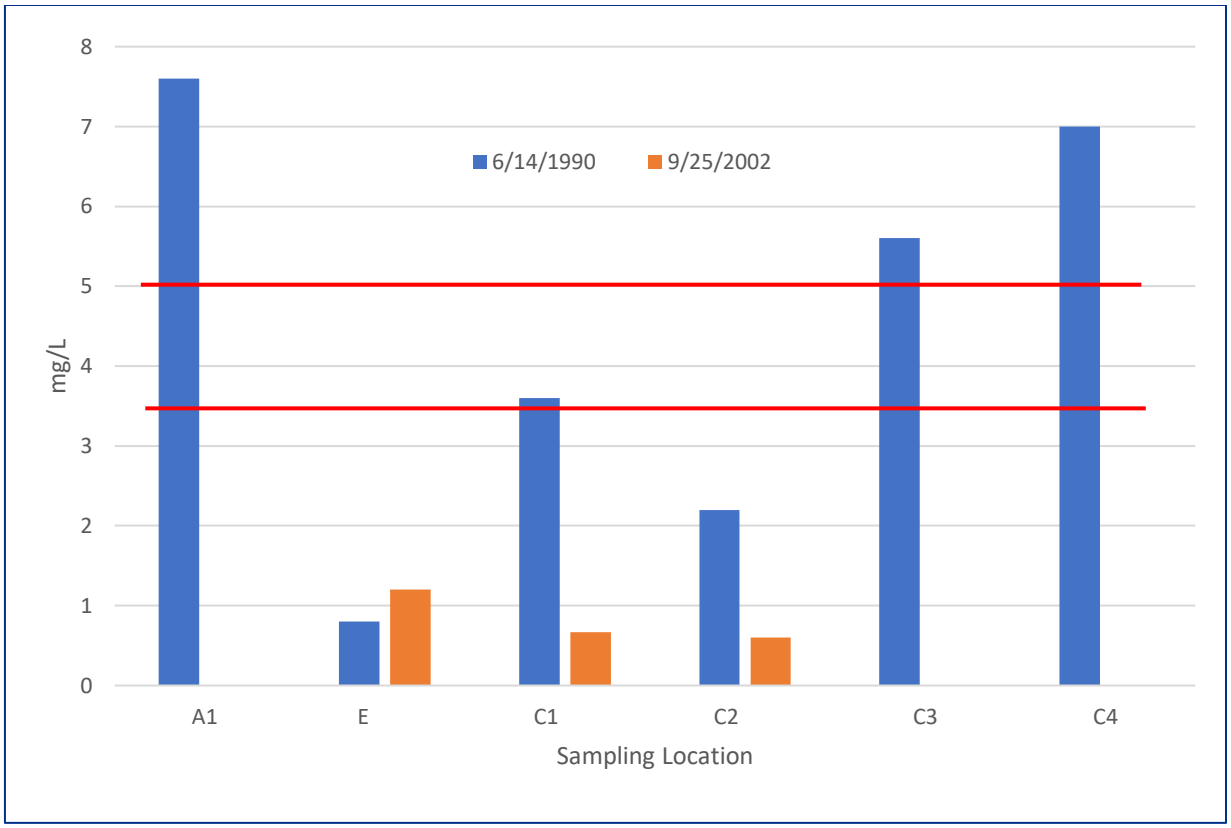

Figure 5-3 Historical DO Data for Beach Creek Segment IL_PLB-C1

5.1.1.3 Total Phosphorus

Beach Creek segment IL_PLB-C1 is listed for impairment of the aquatic life use because of TP levels. **Table 5-3** summarizes historical phosphorus data collected on the impaired segment. **Figure 5-4** shows TP concentrations on Beach Creek during the FRSSs conducted in 1990 and 2002. The FRSSs show that effluent (site E on **Figure 5-4**) concentrations at the time of the survey caused increased TP concentrations in Beach Creek below the treatment plant (sites C-1 through C-4). Recent data have not been collected on this segment and the current conditions with relation to TP are unknown.

Table 5-3 Historical Phosphorus Data for Beach Creek Segment IL_PLB-C1

Impaired Stream Segment Name and ID	POR and Number of Data Points	Mean (mg/L)	Maximum (mg/L)	Minimum (mg/L)
Beach Creek Segment IL_PLB-C1	1990 and 2002; 7	0.8	1.9	0.05

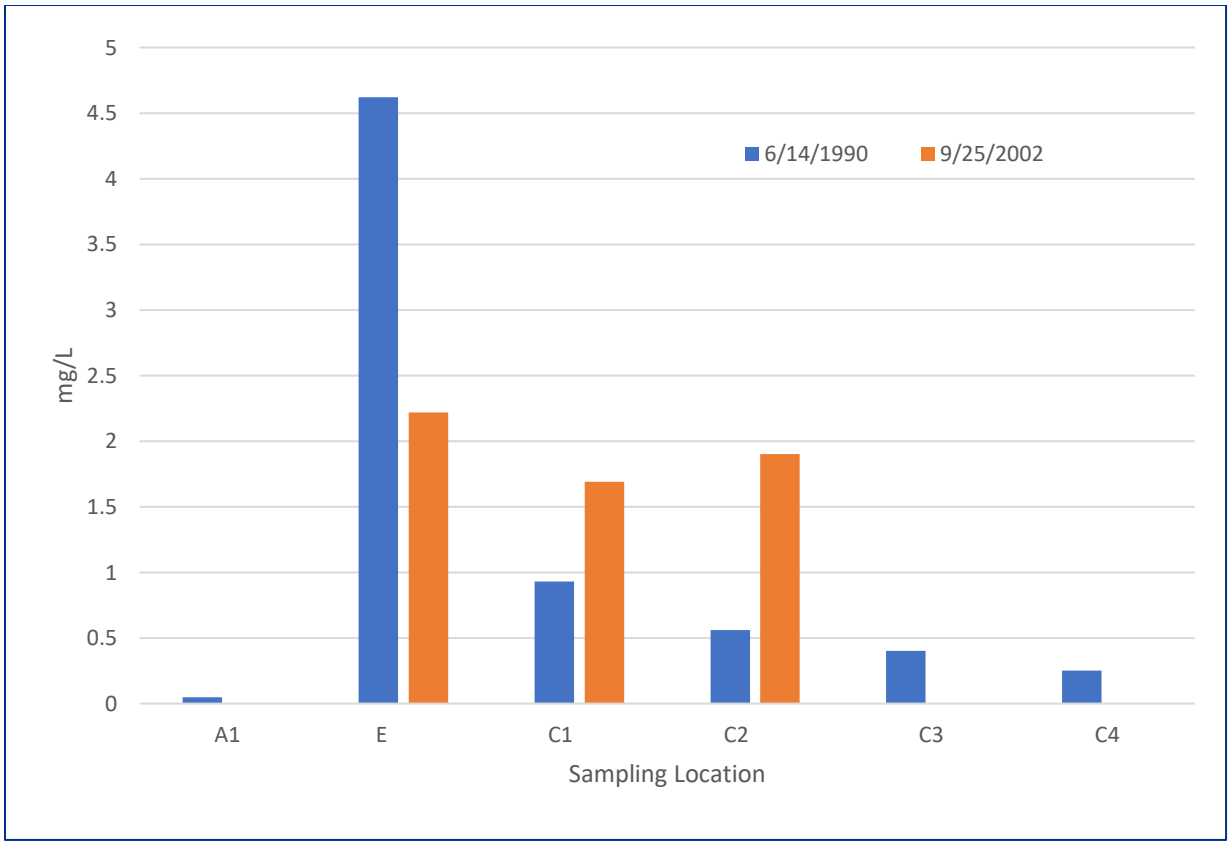

Figure 5-4 Historical TP Data for Beach Creek Segment IL_PLB-C1

5.2 Point Sources

Table 5-4 shows the permit information for facilities that discharge to the impaired segments in the Kyte River watershed while **Figure 5-5** shows the locations of each facility. In general, facilities discharging treated domestic wastewater have the potential to affect DO concentrations (through the discharge of nutrients and other oxygen-demanding materials), fecal coliform, and nutrient levels in their receiving waters. Potential pollutants discharged from industrial facilities vary and may include metals and/or sediments. National Pollutant Discharge Elimination System (NPDES) facilities with permit limits are required to submit discharge monitoring reports (DMRs) to Illinois EPA. Relevant permit data were used to support TMDL development (see additional discussion in Sections 7 and 8). There are no NPDES-permitted municipal separate storm sewer systems (MS4s) or large concentrated animal feeding operations (CAFOs) within the watershed.

Table 5-4 Permitted Facilities Discharging within the Kyte River Watershed

Facility ID	Facility Name	DAF/DMF (mgd)	Receiving Water
ILG582015	Village of Ashton Wastewater Treatment Plant (WWTP)	0.33/1.34	Beach Creek
IL0003336	Kinder Morgan Rochelle Terminals, LLC	Intermittent discharge	Unnamed tributary to Kyte River
IL0003638	Rochelle Foods, LLC	0.285	Storm sewer tributary to Kyte River
IL0030741	City of Rochelle Water Reclamation	4.87/8.76	Kyte River
IL0075451	Rochelle Waste Disposal, LLC	Intermittent discharge	Unnamed tributary to Kyte River
IL0076554	CHS – Rochelle	0.207	Unnamed tributary to Steward Creek

DAF – design average flow; DMF – design maximum flow; mgd –million gallons per day

5.3 Nonpoint Sources

There are many potential nonpoint sources of pollutant loading to the impaired segments in the Kyte River watershed. This section will discuss site-specific cropping practices, animal operations, and area septic systems. Available data were collected through communications with the local NRCS, Illinois Soil and Water Conservation Districts (SWCDs), and public health departments.

5.3.1 Crop Information

Approximately 78 percent of the land within the Kyte River watershed is dedicated to agriculture.[21] Because much of the watershed is under cultivation, soil loss from fields is likely the primary source of sediment and any pollutant attached to the sediment (nutrients, oxygen-demanding materials, and, potentially, fecal coliform). Tillage practices for crops, such as corn, soybeans, and grains, can be categorized as conventional till, reduced till, mulch till, and no till. The percentage of each tillage practice for corn, soybeans, and small grains by county are generated by the Illinois Department of Agriculture (IDA) from county transect surveys.[22] Data from the 2015 and 2018 surveys are presented in **Table 5-5** through **Table 5-7** for DeKalb, Lee, and Ogle Counties, respectively.

[21] NASS CDL. https://www.nass.usda.gov/Research_and_Science/Cropland/Release/index.php

[22] IDA. Illinois Soil Conservation Transect Surveys. https://agr.illinois.gov/resources/landwater/illinois-soil-conservation-transect-survey-reports.html

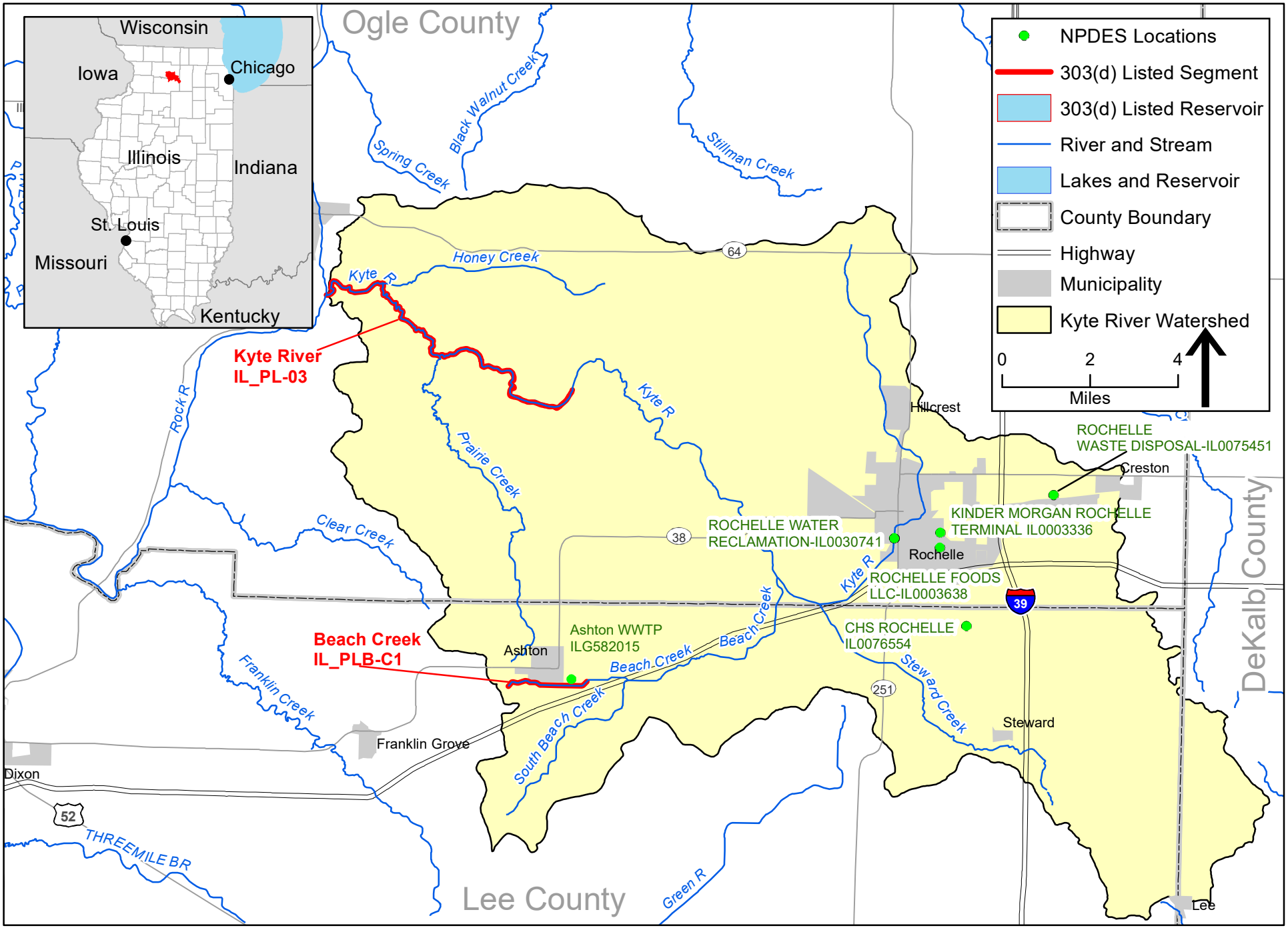

Figure 5-5: Kyte River Watershed, NPDES Locations

CDM Smith

Table 5-5 Tillage Practices in DeKalb County, Illinois

Tillage System	Corn		Soybean		Small Grain	
	2015	2018	2015	2018	2015	2018
Conventional	37.7%	47.5%	5%	4.1%	0%	0.0%
Reduced Till	23.8%	30.2%	18%	24.3%	90%	66.7%
Mulch Till	34.9%	16.7%	62%	49.3%	0%	0.0%
No Till	3.6%	5.6%	15%	22.3%	10%	33.3%

Note: Data (as reported by the agency) and some columns do not add up to 100 percent.

Table 5-6 Tillage Practices in Lee County, Illinois

Tillage System	Corn		Soybean		Small Grain	
	2015	2018	2015	2018	2015	2018
Conventional	2.2%	16.0%	2.0%	3.6%	100%	0%
Reduced Till	18.8%	28.8%	12.2%	12.0%	0%	0%
Mulch Till	77.4%	49.0%	69.4%	61.4%	0%	50%
No Till	1.6%	6.2%	16.3%	22.9%	0%	0%

Note: Data (as reported by the agency) and some columns do not add up to 100 percent.

Table 5-7 Tillage Practices in Ogle County, Illinois

Tillage System	Corn		Soybean		Small Grain	
	2015	2018	2015	2018	2015	2018
Conventional	21.0%	36.0%	4.3%	5.6%	0.0%	44.4%
Reduced Till	45.9%	34.9%	20.2%	26.4%	16.7%	0.0%
Mulch Till	27.9%	19.1%	40.5%	39.3%	72.2%	11.1%
No Till	5.2%	10.0%	34.4%	28.7%	11.1%	33.3%

Note: Data (as reported by the agency) and some columns do not add up to 100 percent.

According to the County Transect Survey Summary Report,[23] fields planted conventionally leave less than 15 percent of the soil surface covered with crop residue after planting, while mulch till leaves at least 30 percent of the residue from the previous crop on the soil surface after being tilled and planted. Reduced till falls between conventional and mulch (greater than 15 percent but less than 30 percent), and no till practices leave the soil virtually undisturbed from harvest through planting. Residue is important because it shields the ground from the eroding effects of rain and helps retain moisture for crops. Data indicate a transition toward mulch tilling in most counties over the past decade and reductions in conventional till practices.

Information on field tiling practices was also sought as field drains can influence the timing and amounts of water delivered to area streams and deliver dissolved nutrients from fields to receiving waters. The current status of field tiling in the watershed is unknown.

[23] IDA. 2018. Illinois Soil Conservation Transect Survey Report. https://agr.illinois.gov/content/dam/soi/en/web/agr/resources/landwater/documents/2018-transect-survey-summary-report.pdf

5.3.2 Animal Operations

Information on commercial animal operations is available from the NASS. Knowing the number of animal units in a watershed is useful in TMDL development as grazing animals have the potential to increase erosion and contribute nutrients and fecal coliform through manure. Although watershed-specific data are not available, countywide data for DeKalb, Lee, and Ogle Counties are presented in **Table 5-8** through **Table 5-10**, respectively. Data from 2012 and 2017 have been published on the USDA website.[24,25]

Table 5-8 DeKalb County Animal Population (2012 and 2017 Census of Agriculture)

Livestock Type	2012	2017	Percent Change
Cattle and Calves	31,286	18,599	-40.6%
Beef	1,668	1,729	3.7%
Dairy	726	827	13.9%
Hogs and Pigs	239,648	276,185	15.2%
Poultry[1]	3,164[2]	1,710[2]	-46.0%
Sheep and Lambs	2,588	1,057	-59.2%
Horses and Ponies	550	459	-16.5%

Notes:

[1] Poultry census data inclusive of broilers, layers, pullets, roosters, and turkeys.

[2] No data were available for pullets, broilers, or turkeys, therefore, the percent change may not be accurate.

Table 5-9 Lee County Animal Population (2012 and 2017 Census of Agriculture)

Livestock Type	2012	2017	Percent Change
Cattle and Calves	10,215	11,076	8.4%
Beef	ND	2,560	ND
Dairy	ND	52	ND
Hogs and Pigs	42,235	59,763	41.5%
Poultry[1]	1,719	67,038	3,800%[2]
Sheep and Lambs	313	399	27.5%
Horses and Ponies	324	288	-11.1%

Notes:

[1] Poultry census data inclusive of broilers, layers, pullets, roosters, and turkeys.

[2] Greatest increase in poultry types in Lee County between 2012 and 2017 was for layers with a nearly 60% increase in number of layer farms during that time.

ND – no data

[24] NASS. 2019. 2017 Census of Agriculture, Illinois State and County Data. https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Illinois/

[25] NASS. 2014. 2012 Census of Agriculture, Illinois State and County Data. 2012 – Illinois AgCensus (cornell.edu)

Table 5-10 Ogle County Animal Population (2012 and 2017 Census of Agriculture)

Livestock Type	2012	2017	Percent Change
Cattle and Calves	30,913	26,463	-14.4%
Beef	7,618	6,572	-13.7%
Dairy	1,260	1,358	7.8%
Hogs and Pigs	95,639	95,495	-0.2%
Poultry[1]	218[2,3]	2,903[2]	1231.7%
Sheep and Lambs	932	807	-13.4%
Horses and Ponies	871	858	-1.5%

Notes:

[1] Poultry census data inclusive of broilers, layers, pullets, roosters, and turkeys.

[2] No data were available for pullets, therefore, the percent change may not be accurate.

[3] No data were available for layers, therefore, the percent change may not be accurate.

These tables show significant cattle, hog, and pig populations within the watershed counties. Animal operations have the potential to contribute nutrients and fecal coliform to area waterways. No concentrated animal feeding operations (CAFOs) were listed for the DeKalb, Lee, or Ogle Counties under the general NPDES permit for CAFOs in Illinois (NPDES Permit ILA01)[26] and there are no known CAFOs within the watershed.

5.3.3 Septic Systems

Most households in rural areas of Illinois that are not connected to municipal sewers make use of on-site sewage disposal systems or septic systems. There are several types of septic systems; the most common is composed of a septic tank draining to a septic field where nutrient removal occurs. However, the degree of nutrient removal is limited by local soils and the extent of system upkeep and maintenance. Across the United States, septic systems have been found to be a significant source of phosphorus pollution. Faulty septic systems or illegal discharges can also be a source of fecal coliform.

Information on the extent of municipalities in the Kyte River watershed with or without sewers was obtained from the county health departments. Health department officials in Lee County stated that the Town of Ashton is served by sewer, but most county residents within the watershed rely on private septic systems, specifically the Villages of Steward and Scarboro.[27] Additionally, health department officials in Ogle County reported that approximately 1,560 residences and about 132 barns within the watershed and county rely on septic systems.[28] DeKalb County health department officials indicated that most of the watershed area within the county, although relatively small, would rely on septic systems.[29]

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[26] Illinois EPA. General NPDES Permit for Concentrated Animal Feeding Operations. http://www.epa.state.il.us/water/permits/cafo/

[27] Halberg, K. 2019, December 6. Lee County Health Department, Director of Environmental Health. Email correspondence.

[28] Glenn, A. 2019, December 10. Ogle County Health Department, Environmental Health Inspector. Email correspondence.

[29] Carlson, L. 2019, December 6. DeKalb County Health Department, Environmental Health Practitioner. Email correspondence.

5.4 Watershed Studies and Other Watershed Information

Previous efforts completed within the watershed are listed in the paragraph that follows. The report was reviewed and data were incorporated into TMDL development where appropriate and relevant.

1990 – Biological and Water Quality Survey of Beach Creek (PLB) and South Branch Beach Creek (PLBA) in the Vicinity of the Ashton Sewage Treatment Plant (NPDES IL0023361) Lee County, Illinois, June 14, 1990 – The report finds poor to very poor stream conditions within the 0.5-mile reach downstream from where the Ashton Sewage Treatment Plant (STP) discharges to Beach Creek. The report also concluded that the Ashton STP was responsible for the creek's low DO and higher fecal coliform concentrations just downstream of its discharge location.

Section 6

Approach to Developing Total Maximum Daily Loads and Identifying Data Needs

The range of analyses used for developing TMDLs varies from simple to complex. Examples of a simple approach include mass-balance calculations, load duration curves, and simple watershed and receiving water models. Detailed approaches incorporate the use of complex watershed and receiving water models. Simplistic approaches typically require less data than detailed approaches and therefore these are the analyses recommended for the Kyte River watershed. Establishing a link between pollutant loads and resulting water quality is one of the most important steps in developing a TMDL; this link can be established through a variety of techniques. This section recommends approaches for establishing these links for the constituents of concern in the Kyte River watershed. Sections 7 and 8 present the results of using these recommendations.

6.1 Additional Data Needs for Total Maximum Daily Load Development

Table 6-1 contains summary information regarding data availability for all impairments in the Kyte River watershed. Although there are a reasonable number of fecal coliform sample data points available for the Kyte River to support TMDL calculation, the segment was last sampled for fecal coliform in 2006. To better assess the current fecal coliform concentration, additional and continued sample collection is recommended. Sample collection at various times of year and over a range of flow conditions would be most beneficial for assessing the entire range of conditions that may occur within the river and would provide for a more accurate depiction of potential factors influencing the fecal coliform impairments in the Kyte River. The data available for Beach Creek can be used to develop TMDLs, however, additional data collection is recommended for impairments on Beach Creek because of the lack of recent data and the additional data needed to support more robust model development.

Table 6-1 Data Availability and Data Needs for TMDL/Load Reduction Strategy Development in the Kyte River Watershed

Impaired Segment	Impairment Parameter	Period of Record	Data Count	Additional Data Needs
Kyte River (IL_PL-03)	Fecal Coliform	1998–2006	30	Recommend collecting additional fecal coliform data to confirm impairment, to help with source identification (samples over a range of flows), and to meet assessment requirements stipulating a minimum of five samples be collected within 30 days
Beach Creek (IL_PLB- C1)	DO	1990, 2002	7	Recommend collecting additional DO data for impairment assessment: synoptic data for flow, hydraulics, DO, temperature, nutrients, carbonaceous biochemical oxygen demand (CBOD), and sediment oxygen demand (SOD) to support model development
	TP	1990, 2002	7	Recommend collecting stream data including phosphorus

6.2 Approaches for Developing Total Maximum Daily Loads

6.2.1 Recommended Approach for Fecal Coliform Total Maximum Daily Loads

The recommended approach for developing a TMDL for fecal coliform in the Kyte River is the load duration curve method. The load duration curve method uses the cumulative frequency distribution of stream flow and pollutant concentration data to estimate the allowable loads for a water body. Because of the somewhat limited availability of recent fecal coliform data on the Kyte River, further data collection may be beneficial and would provide greater validity to the model output.

6.2.2 Recommended Approach for Dissolved Oxygen Total Maximum Daily Load in Beach Creek

The recommended approach for TMDL development for DO impairments in streams with influence from treatment plant effluent is the development and parameterization of the QUAL2K model. QUAL2K[30] is an updated spreadsheet-based version of the well-known, EPA-supported QUAL2E model. The QUAL2K model simulates DO dynamics as a function of nitrogenous and CBOD, atmospheric reaeration, SOD, and phytoplankton photosynthesis and respiration. The model also simulates the fate and transport of nutrients and biological oxygen demand (BOD) and the presence and abundance of phytoplankton (as chlorophyll-a). Stream hydrodynamics and temperature are important controlling parameters in the model. The model is suited to steady-state simulations.

As discussed in Section 6.1, only outdated data exist to support model development for Beach Creek. Specific data requirements for developing a QUAL2K model include a synoptic (snapshot in time) water quality survey of the reach to include measurements of flow, hydraulics, DO, temperature, nutrients, SOD, and CBOD. Model defaults and best professional estimates can be used in lieu of additional data; however, newly collected data would best support model development and parameterization, and provide significant confidence in the TMDL conclusions.

[30] QUAL2K homepage. http://www.qual2k.com/

6.2.3 Recommended Approach for Total Phosphorus Load Reduction Strategy Development

The recommended approach for establishing a water quality goal for TP in Beach Creek is a modified load duration curve method. The load duration methodology uses the cumulative frequency distribution of stream flow and pollutant concentration data to estimate the allowable loads for a water body. CDM Smith worked closely with Illinois EPA to determine the target load to use based on the Illinois NLRS interim goal of 25 percent load reduction.

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Section 7

Methodology Development for Load Reduction Calculations in the Kyte River Watershed

7.1 Methodology Overview

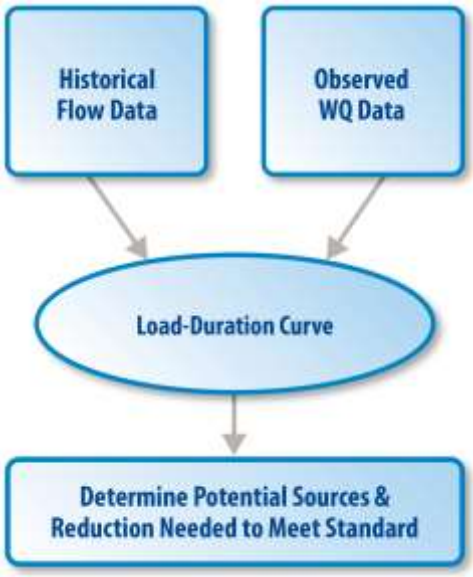
Table 7-1 summarizes the methodologies used to develop TMDLs for impaired segments within the Kyte River watershed.

Table 7-1 Methodologies Used to Develop TMDLs and Reduction Goals in the Kyte River Watershed

Segment ID	Segment Name	Cause of Impairment	Methodology
IL_PLB-C1	Beach Creek	DO	QUAL2K
		TP	Modified Load Duration Curve
IL_PL-03	Kyte River	Fecal Coliform	Load Duration Curve

7.1.1 Load Duration Curve Overview

An LC analysis was performed for fecal coliform in Kyte River segment IL_PL-03 through the development of a load duration curve. A load duration curve is developed to show a graphical representation of the maximum load of a pollutant that a stream segment can assimilate over a range of flow scenarios while still meeting the instream water quality standard. The water quality standard for fecal coliform is 200 cfu/100mL, as explained in Section 4 of this report. In this case, historical flow data and observed water quality data were used to determine the existing loading conditions for the Kyte River over the entire range of possible site-specific flow scenarios. Once the existing loading conditions were established, a load reduction target was applied to the 90th percentile of historical loads in each flow category.

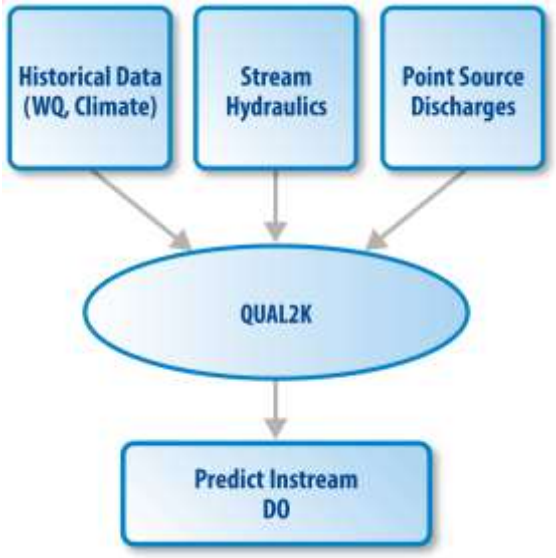


In addition, a modified loading capacity analysis was performed for TP in the impaired segment of Beach Creek. As discussed, a typical load duration curve is developed to show a graphical representation of the maximum load of a pollutant that a stream segment can assimilate over a range of flow scenarios while still meeting the instream water quality standard. The State of Illinois does not currently have an instream water quality standard for TP in streams. Therefore, historical flow data and observed water quality data were used to determine the existing loading conditions for the impaired segment over the entire range of possible site-specific flow scenarios. Once the existing loading conditions were established, a load reduction goal of 25 percent was

applied to the average of historical loads in each flow category. This reduction goal was selected based on the Illinois NLRS[31] as discussed in Section 4.4.

7.1.2 QUAL2K Overview

The QUAL2K model was used to develop TMDLs for oxygen-demanding materials in the impaired stream segment. The model was ultimately used to calculate reductions in oxygen-demanding materials, algal respiration, and/or SOD needed for the impaired stream segment to meet DO standards. QUAL2K is a one-dimensional stream water quality model applicable to well-mixed streams. The model assumes steady-state hydraulics and allows for point source inputs, diffuse loading, and tributary flows. In general, QUAL2K incorporates historical water quality data, observed hydraulic information, and point source discharge data, along with model kinetic rates and constants, to predict the resulting instream DO concentrations.



7.2 Methodology Development – Load Duration Curves

Load duration curves are used for assessment and comparison of the range of loads allowable throughout the flow regime of a stream. This approach was used to characterize the current loading of TP for Beach Creek segment IL_PLB-C1 and assess fecal coliform in Kyte River segment IL_PL-03.

7.2.1 Watershed Delineation and Flow Estimation

Watersheds contributing directly to the impaired stream segments at the data collection stations were delineated with GIS analyses through use of elevation data as discussed in Section 2.2. The watershed delineation resulted in the following estimates of direct drainage areas used to develop load duration curves:

- Kyte River IL_PL-03: 196.3 square miles
- Beach Creek IL_PLB-C1: 1.43 square miles

Figure 7-1 shows the location of the water quality stations for these segments and the boundaries of the GIS-delineated watersheds.

[31] IDA. Illinois Nutrient Loss Reduction Strategy. https://agr.illinois.gov/resources/nutrientloss.html

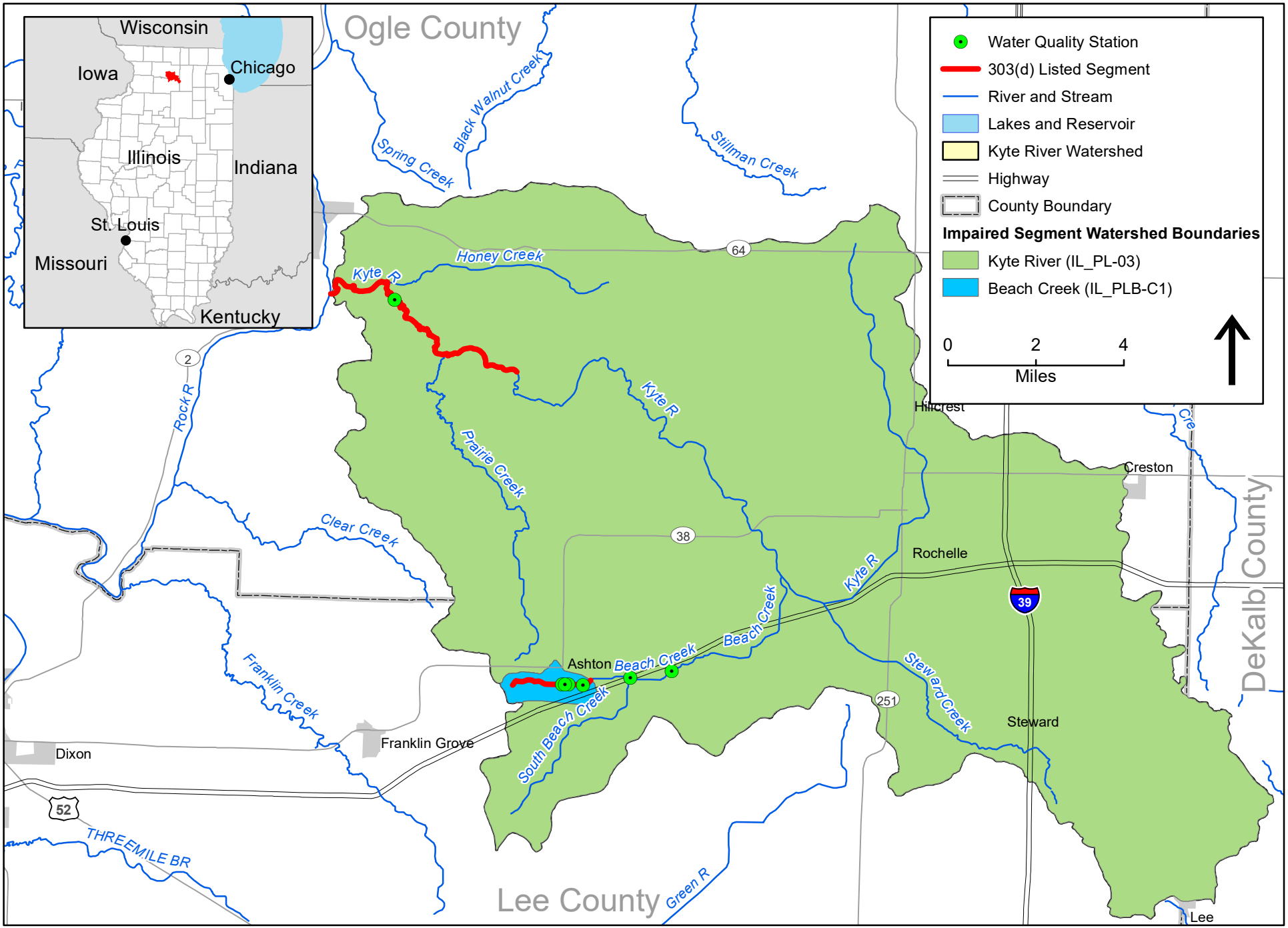


Figure 7-1: Watershed Boundaries and Water Quality Sampling Locations for Impaired Stream Segments within Kyte River Watershed

CDM Smith

To create a load duration curve, it is necessary to obtain flow data corresponding to each water quality sample. As discussed in Section 2.6.2, there are no active USGS stream gages in the Kyte River watershed. USGS stream gages located approximately 10 to 20 miles outside of the Kyte River watershed were used as surrogate gages.

USGS gage 05439500 (South Branch Kishwaukee near Fairdale, Illinois) was used to estimate streamflows for Beach Creek segment IL_PLB-C1, and USGS gage 05444000 (Elkhorn Creek near Penrose, Illinois) was used to estimate streamflows for Kyte River segment IL_PL-03. Streamflows at the South Branch Kishwaukee gage range from 3 to 14,600 cfs; the drainage area is approximately 387 square miles. The Elkhorn Creek gage station drains an area of 146 square miles with flows ranging from 10 to 5,430 cfs.

Data from these gages were used to estimate flow values in the Kyte River watershed using the drainage area ratio method represented by the following equation:

$$Q_{gaged}\left(\frac{Area_{ungaged}}{Area_{gaged}}\right) = Q_{ungaged}$$

Where:

Q_{gaged} = Streamflow of the gaged basin

$Q_{ungaged}$ = Streamflow of the ungaged basin

$Area_{gaged}$ = Area of the gaged basin

$Area_{ungaged}$ = Area of the ungaged basin

Data downloaded through USGS for the surrogate gages for the available PORs were adjusted to account for point source influences in the watershed upstream of the gaging stations. Average daily flows from all NPDES permitted facilities upstream of the surrogate USGS gages were subtracted from the gaged flow prior to flow-per unit-area calculations. The resulting estimates account for flows associated with precipitation and overland runoff only. Average daily flows from permitted NPDES discharges upstream of the impaired segments in the Kyte River watershed were then added back into the equation to more accurately reflect estimated daily streamflow conditions in a given segment. Spreadsheets used for the area ratio flow calculations are provided in **Appendix E**.

7.2.2 Fecal Coliform Load Duration Curve

The general use water quality standard for fecal coliform states that the 200 cfu/100 mL standard shall not be exceeded by the geometric mean of at least five samples, nor can 10 percent of the samples collected exceed 400 cfu/100 mL in protected waters, except as provided in 35 Illinois Administrative Code 302.209(b). Historical fecal coliform concentration data were paired with corresponding flows for the available sampling dates and plotted against the load duration curve representing average conditions on Kyte River segment IL_PL-03. **Figure 7-2** shows the observed pollutant loads as points on the graph. The average load was reduced to meet established fecal coliform water quality standards and the resulting load duration curve is also plotted on the

figure as a solid red line. **Appendix E** contains the spreadsheet used for the calculation of this load duration curve.

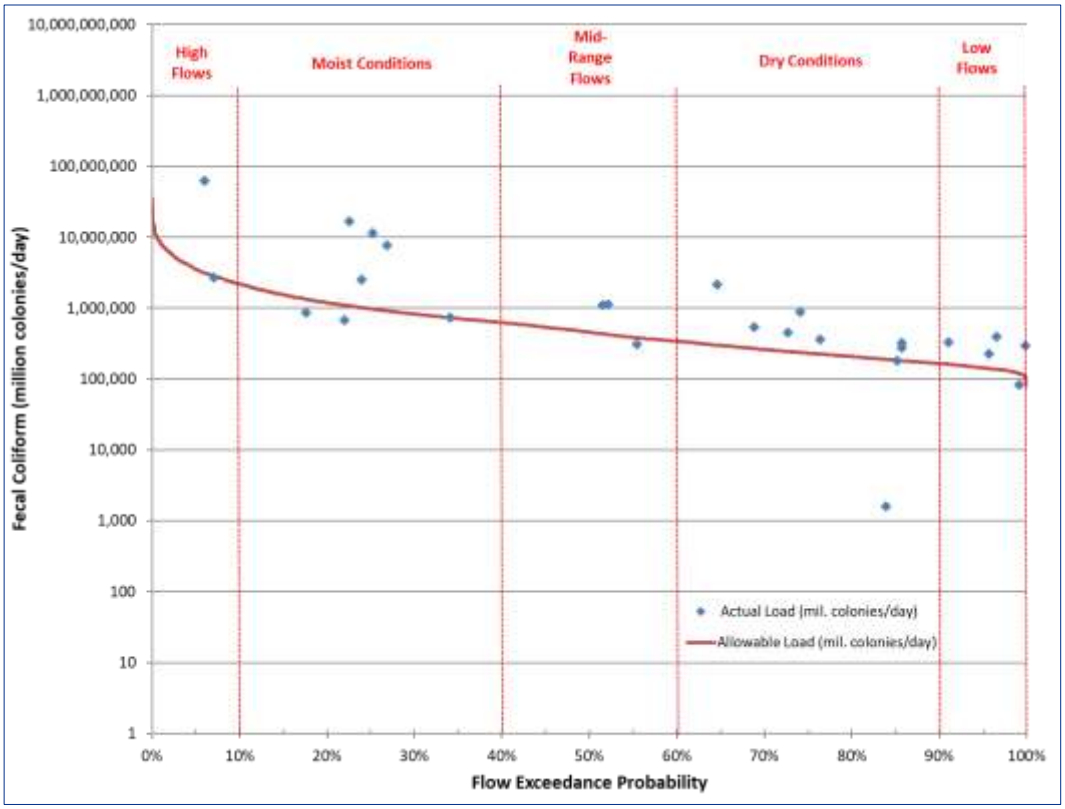


Figure 7-2 Kyte River Segment IL_PL-03 Fecal Coliform Load Duration Curve

7.2.3 Total Phosphorus Load Duration Curve

No numeric standard exists for TP in streams; however, Illinois has developed an NLRS that contains an interim goal of reducing TP loads within the state by 25 percent. TP concentration data for Beach Creek segment IL_PLB-C1 were paired with the corresponding estimated flows for the sampling dates and plotted against the load duration curve representing average conditions. **Figure 7-3** shows the existing average load duration curve for the impaired segment of Beach Creek as a solid blue line and the observed pollutant loads as points on the graphs. The average load was reduced by 25 percent and the resulting load duration curve is also plotted on the figure as a solid red line. **Appendix E** contains spreadsheets used for the calculation of the load duration curves presented in the figure.

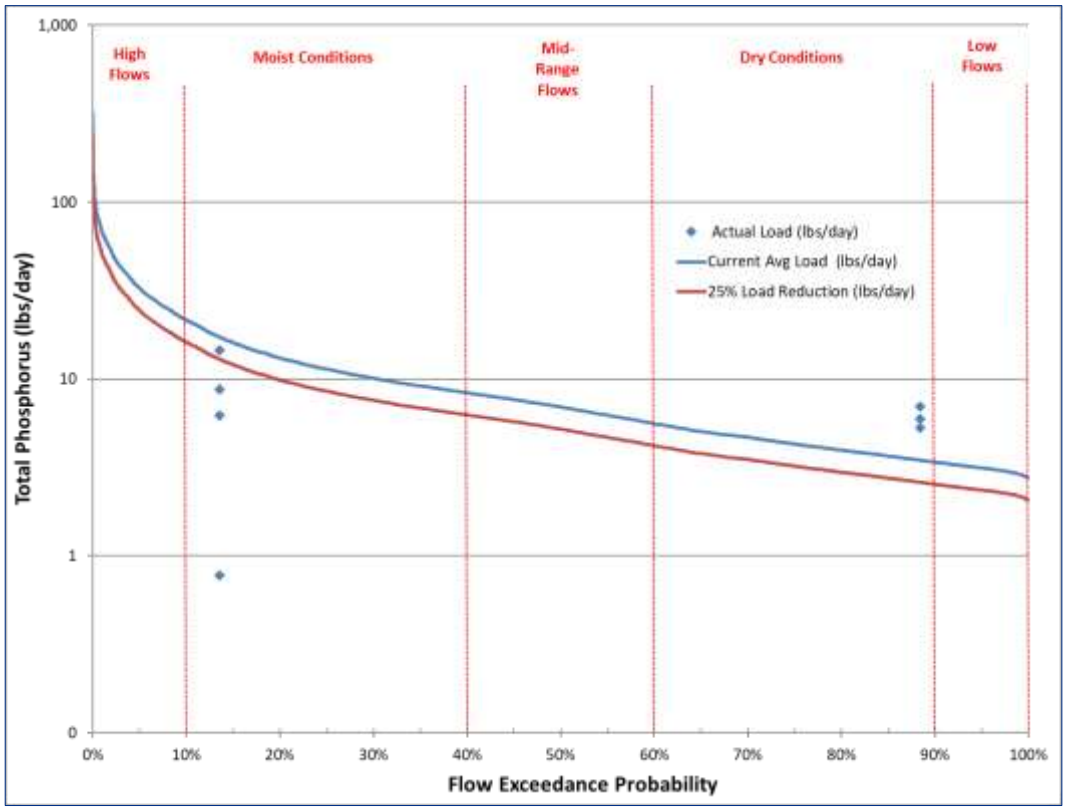


Figure 7-3 Beach Creek Segment IL_PLB-C1 TP Load Duration Curve

7.3 Methodology Development – Beach Creek QUAL2K Model

QUAL2K is a river and stream water quality model that is intended to represent a modernized version of the QUAL2E model. The original QUAL2E model is well-known and EPA-supported. The modernized version has been updated to use Microsoft Excel as the user interface and has expanded the options for stream segmentation and a number of other model inputs. QUAL2K simulates DO dynamics as a function of nitrogenous and carbonaceous oxygen demand, atmospheric reaeration, SOD, and plant photosynthesis and respiration. The model also simulates the fate and transport of nutrients and BOD, and the growth and abundance of floating (phytoplankton) and attached (periphyton) algae (as chlorophyll-*a*). Stream hydrodynamics and temperature are important controlling parameters in the model. Headwater, point source, and nonpoint source loadings and flows are explicitly input by the user. The model simulates steady-state diurnal cycles. Model parameter default values are provided in the model based on past studies and are recommended in the absence of site-specific information. Along with its capability to aid in DO assessment, QUAL2K can also be used to model nutrients or pH fluctuations within a stream segment.

A QUAL2K model was developed for DO for Beach Creek segment IL_PLB-C1. The 30-day daily mean DO concentration water quality standard for the observed impairment season (August through February) was used as the endpoint for the TMDL analysis. The use of extended period standards rather than instantaneous minimum standards serves as a conservative measure in the calculations (see further discussion in Section 8).

A simplified modeling structure was employed because of the lack of available supporting data. A single, 1-kilometer reach representing the spatial extent of the observed impairment was simulated with the model. Upstream boundary conditions of the impaired segment were set based on the data upstream of the point of impairment. The short-reach segment was then simulated to assess near-field impacts of carbonaceous SOD and rapid CBOD oxidation. This approach was employed for both a baseline model of existing impairment and a TMDL simulation to quantify load reduction requirements. For the baseline model, a single synoptic water quality sampling event was used to guide model parameterization and provide general confirmation of the model's ability to simulate existing conditions in the creek. QUAL2K model files can be found in **Appendix F**.

7.3.1 Beach Creek QUAL2K Model Inputs

Table 7-2 lists the categories of data required for the QUAL2K model along with the sources of data used to analyze Beach Creek. Empirical data amassed during Stage 1 of TMDL development (Sections 1 through 6 of this report) were used to build the QUAL2K model along with physical data obtained from GIS. Instream DO measurements were taken on this segment a total of seven times in 1990 and 2002. This dataset was the primary source of data used to set up and calibrate the QUAL2K model.

Table 7-2 QUAL2K Data Inputs

Input Category	Data Source
Stream segmentation	GIS data
Hydraulic characteristics	GIS data; professional estimations
Headwater conditions	Historical water quality data collected by Illinois EPA
Point source contributions	Illinois EPA, EPA's Permit Compliance System and Integrated Compliance Information System

7.3.1.1 Stream Segmentation – Beach Creek QUAL2K Model

The QUAL2K model represents a river as a series of reaches. Each reach shares constant channel geometry and hydraulic characteristics. The impaired segment of Beach Creek within the Kyte River watershed was simulated as a single reach, focusing on the area of known impairment. **Figure 7-4** shows the location of the simulated stream segment used for the QUAL2K model.

Figure 7-4: Beach Creek QUAL2K Model
Kyte River Watershed

CDM Smith

7.3.1.2 Hydraulic Characteristics – Beach Creek QUAL2K Model

Reported stream hydraulic measurements from the 1990 synoptic survey were the only available source of information for flow hydraulics in the impaired reach. The flow rate during the 1990 survey was similar to the estimated flow rate for the 2002 calibration period. The 1990 data (flow depth, width, and velocity) were therefore used as a guide for hydraulic parameterization in the model. A channel slope was roughly estimated using GIS. The model's Manning roughness coefficient was adjusted during the model calibration to achieve modeled stream hydraulics that roughly matched the observations from 1990.

7.3.1.3 Baseline Simulation Day – Beach Creek QUAL2K Model

The 2002 synoptic survey day (September 25) was used as the baseline simulation day. The measured minimum DO on this day was 0.67 mg/L. Water quality conditions of this day were replicated, to the extent possible, in the baseline QUAL2K model as described in the subsections that follow.

7.3.1.4 Diffuse Flow – Beach Creek QUAL2K Model

No diffuse pollutant loads were included in this model of the 1-kilometer impaired reach.

7.3.1.5 Headwater Conditions – Beach Creek QUAL2K Model

Headwater flow for the modeled reach and simulation day was set based on an area weighting of available stream gage data at a reasonable surrogate continuous flow gage (USGS gage 05444000, Elkhorn Creek near Penrose). Headwater temperature, nutrient, DO, and CBOD concentrations were set based on data from a June 1990 synoptic survey. The 2002 synoptic survey did not include any sampling sites upstream of the point source discharge.

7.3.1.6 Climate – Beach Creek QUAL2K Model

Climate inputs do not play a significant role in the modeled condition and therefore were maintained at model default values.

7.3.1.7 Point Sources – Beach Creek QUAL2K Model

One NPDES permitted point source, the Village of Ashton WWTP, contributes effluent to impaired segment IL_PLB-C1. Based on the review of DMR water quality data, the Village of Ashton WWTP has a likely impact on DO levels instream and was the focus of this modeling exercise. This point source was explicitly represented in the constructed model. The discharge flow rate was set to the permitted DAF. Effluent water quality concentrations were set based on reported measurements from the 2002 survey. **Table 7-3** provides the model input information for the Village of Ashton WWTP facility. **Figure 7-4** shows the location of the facility.

Table 7-3 Point Source Discharge Data for Beach Creek QUAL2K Model

Facility Name	Permit Number	DMF (mgd)	DAF (mgd)	Measured Effluent Temperature (degrees Celsius)[1]	Measured Effluent DO (mg/L)[1]	Measured Effluent CBOD (mg O2/L)[1]
Village of Ashton WWTP	ILG582015	1.34	0.33	19.3	1.2	2

Notes:
[1] As reported in the 2002 FRSS synoptic survey.
mg O_2/L – milligrams of oxygen per liter

7.3.1.8 Baseline Parameterization and Confirmatory Analysis – Beach Creek QUAL2K Model

Beach Creek is a small riverine system located adjacent to the Village of Ashton within a small, developed watershed. Measured data indicate significant DO impairment immediately downstream of the Village of Ashton WWTP. The focus of the constructed baseline model was to simulate the observed DO sag below the WWTP discharge.

As described above (Section 7.3.1.5), model headwater flow and water quality were set based on observed data from a historical synoptic survey (June 1990). There were no data collected upstream of the WWTP discharge during the more recent (September 2002) synoptic survey. Downstream water quality data for two sites just below the WWTP discharge were available from the 2002 survey. Therefore, these data were used to guide model parameterization. The WWTP discharge effluent itself is well characterized with water quality analysis from the 2002 survey. The model CBOD oxidation rate constant, spatially variable SOD rates, and the reach Manning's roughness coefficient (n) were adjusted to achieve acceptable agreement between modeled and measured DO and CBOD concentrations and flow hydraulics (depth, width, velocity). Additionally, the benthic algae growth rate constant was adjusted to generate plausible levels of benthic algae in the model because of lack of site-specific data. Lastly, modeled water temperatures agree well with observed temperatures for the calibration day without the need for parameter adjustment.

Results of the baseline model parameterization and confirmation, with respect to modeled and measured water quality, are shown on **Figure 7-5** and **Figure 7-6**.

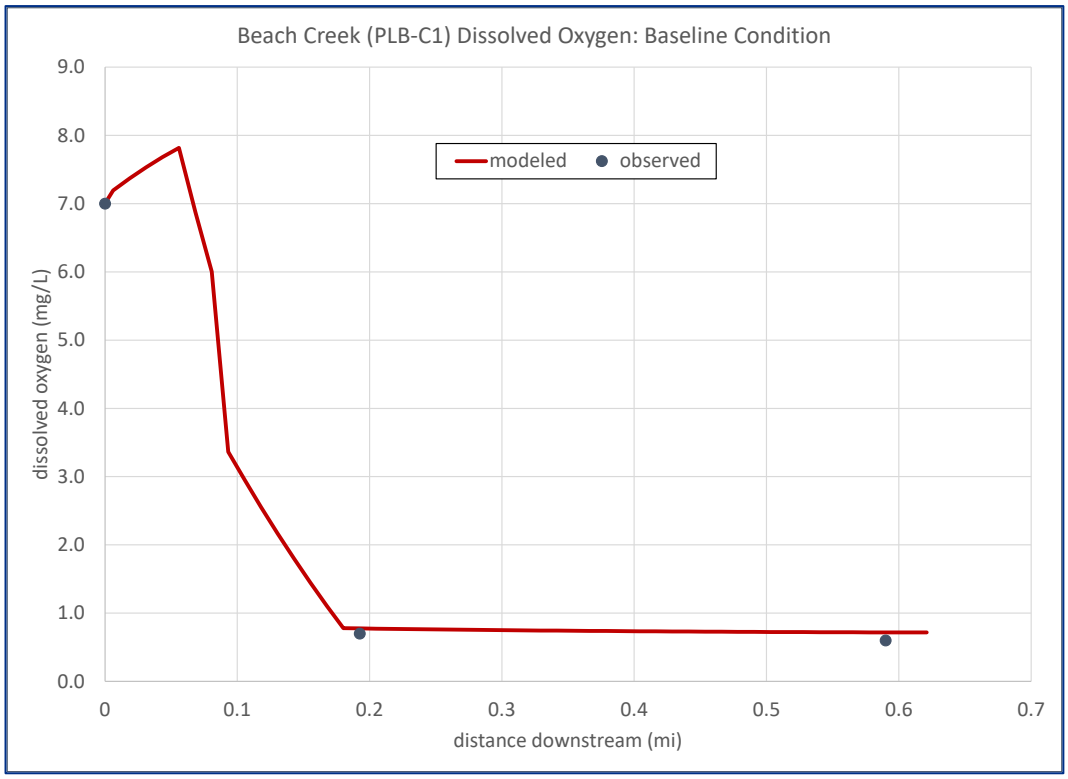


Figure 7-5 Beach Creek (IL_PLB-C1) DO QUAL2K Baseline Conditions and Model Confirmation Results

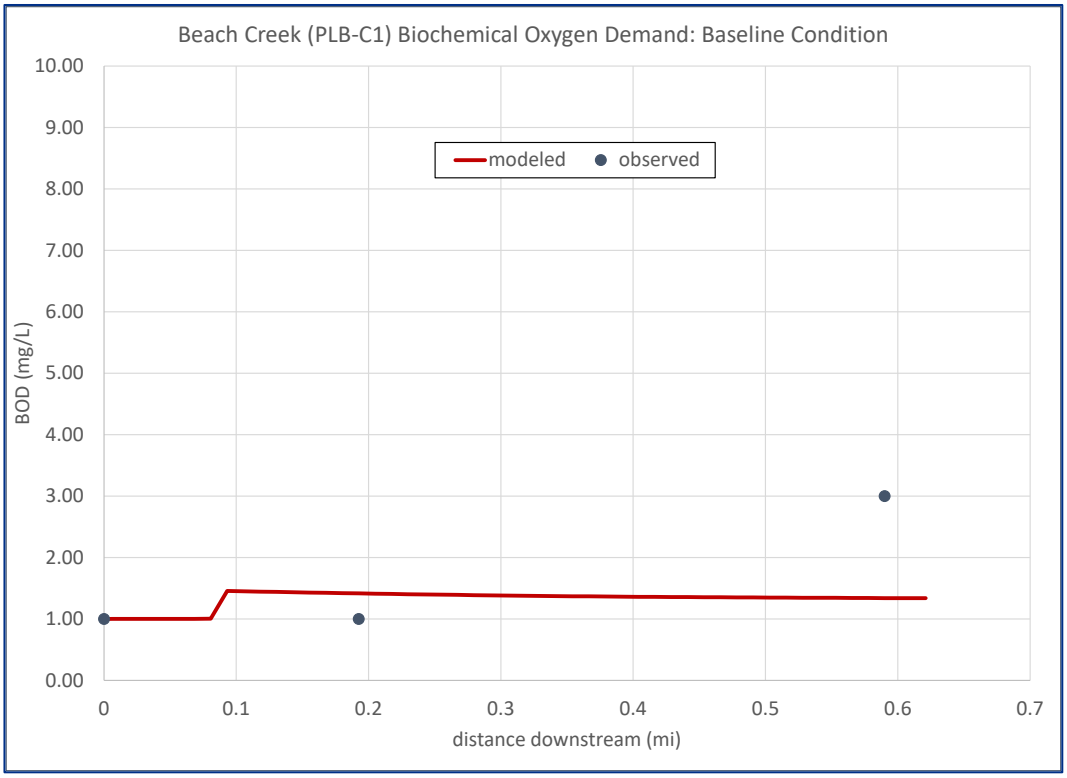


Figure 7-6 Beach Creek (IL_PLB-C1) BOD QUAL2K Baseline Conditions and Model Confirmation Results

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Section 8

Total Maximum Daily Loads for the Kyte River Watershed

8.1 Total Maximum Daily Load Endpoints

The TMDL endpoints and load reduction goals for impairments in the Kyte River watershed are summarized in **Table 8-1**. For all parameters except DO, the concentrations must be less than the TMDL endpoint or load reduction target value. Parameters with numeric water quality standards are assessed via the TMDL process and the TMDL endpoints directly correlate to the selected water quality standard for a given parameter. Parameters without numeric water quality standards, such as total phosphorous, were assigned a watershed-specific load reduction target value in accordance with the Illinois NLRS. The interim Illinois NLRS goal is a 25 percent reduction of TP loads leaving the state by 2025.

Table 8-1 Total Maximum Daily Load Endpoints for Impaired Constituents in the Kyte River Watershed

Segment Name/ID	Potential Cause of Impairment	Designated Use	Assessment Type	TMDL/Modeling Endpoint or NLRS Target Value
Beach Creek (IL_PLB-C1)	TP	Aquatic Life	Modified Load Duration Curve	NLRS reduction goal of 25% established by Illinois EPA
	DO	Aquatic Life	TMDL[1] – QUAL2K	5.5 mg/L minimum[2]
Kyte River (IL_PL-03)	Fecal Coliform	Primary Contact Recreation	TMDL – Load Duration Curve	200 cfu/100 mL

Notes:

[1] The TMDL developed for primary contributing factors to low DO impairment, specifically SOD and CBOD, as identified by QUAL2K modeling.

[2] Endpoint that corresponds to the 30-day daily mean seasonal standard (applicable August–February).

8.2 Pollutant Sources and Linkages

Potential pollutant sources for the impaired stream segments in the Kyte River watershed include point and nonpoint sources as described in Section 5. The sources identified for each parameter of concern, based on data gathered and documented during Stage 1 and modeling completed in Stage 3, are presented in **Table 8-2**.

Table 8-2 Sources of Pollutants in the Kyte River Watershed

Segment ID	Segment Name	Cause of Impairment	Source of Pollutants
IL_PLB-C1	Beach Creek	DO	Municipal Point Source Discharge
		TP	Municipal Point Source Discharge
IL_PL-03	Kyte River	Fecal Coliform	Agriculture

Load duration curves were developed for fecal coliform and TP in the impaired stream segments. Load duration curves are useful in that they provide a link between historical sampling values and hydraulic condition. **Table 8-3** shows the example source area/hydrologic condition

consideration developed by EPA.[32] Pollutant sources and linkages for the stream segment impaired by low DO were established through the QUAL2K modeling effort discussed in Section 7.

Table 8-3 Example Source Area/Hydrologic Condition Considerations

Contributing Source Area	Duration Curve Zone				
	High Flow	Moist	Mid-Range	Dry	Low Flow
Point Source				M	H
On-Site Wastewater System			H	M	
Riparian Areas		H	H	H	
Stormwater: Impervious Areas		H	H	H	
Combined sewer overflows	H	H	H		
Stormwater: Upland	H	H	M		
Bank Erosion	H	M			

Note: The potential relative importance of the source area to contribute loads under given hydrologic conditions (H: high, M: medium).

8.3 Total Maximum Daily Load Allocation

As explained in Section 1, the TMDLs for impaired segments in the Kyte River watershed will address the following equation:

$$\mathbf{TMDL = LC = \Sigma WLA + \Sigma LA + MOS + RC}$$

where:

LC	=	Loading capacity – the maximum amount of pollutant loading a water body can receive without violating water quality standards
WLA	=	Waste load allocation – the portion of the TMDL allocated to existing or future point sources
LA	=	Load allocation – the portion of the TMDL allocated to existing or future nonpoint sources and natural background
MOS	=	Margin of safety – an accounting of uncertainty about the relationship between pollutant loads and receiving water quality
RC	=	Reserve capacity – the portion of the load explicitly set aside for future population growth and additional development in the watershed

Each of these elements will be discussed in this section. Seasonal variation is also considered in the TMDL calculation.

8.3.1 Dissolved Oxygen in Beach Creek

Beach Creek is currently listed for impairment caused by low DO. As discussed in Section 7, a QUAL2K water quality model was developed for this impaired segment using the limited data available. All available water quality data was associated with FRSSs conducted by Illinois EPA in 1990 and 2002, which provide useful synoptic snapshots of conditions at various locations along the impaired reach. However, given the age of these data, they may not be wholly representative

[32] EPA. 2007. An Approach for Using Load Duration Curves in the Development of TMDLs. EPA 841-B-07-006. https://www.epa.gov/sites/default/files/2015-07/documents/2007_08_23_tmdl_duration_curve_guide_aug2007.pdf

of current conditions, as treatment processes and discharge permit limits have changed over time.

The QUAL2K model was developed (see Section 7) to determine load reductions of oxygen-demanding materials needed to meet water quality standards. The 30-day mean DO standard was used as the endpoint for the TMDL analysis. Using an extended period (30-day) standard rather than instantaneous minimum standards serves as a conservative measure in the calculations. The seasonal standard associated with the observed critical period (August through February) modeled was used.

8.3.1.1 Loading Capacity

LC for a DO impairment is the maximum amount of oxygen-demanding material that a given water body can receive and still maintain compliance with water quality standards. The allowable loads of oxygen-demanding material that can be generated in the Beach Creek watershed and still maintain water quality standards were analyzed using the calibrated model described in Section 7. Modeling analysis revealed that the DO standard could be achieved in Beach Creek with substantial reductions in oxygen-demanding pollutant loads and SOD.

The analyses indicate that, given the best available data and constructed model, low DO levels in this stream are driven primarily by a combination of high SOD and point loads of oxidizing materials (CBOD). SOD is the sum of all chemical and biological processes in the sediment that take up oxygen. SOD generally consists of a combination of biological respiration from benthic organisms and the biochemical decay processes in the top layer of deposited sediments together with the release of oxygen-demanding (reduced) anaerobic chemicals such as iron, manganese, sulfide, and ammonia.

To satisfy the requirements of the TMDL analysis, incremental reductions were made in the point source CBOD load and SOD until the relevant water quality standard was achieved. The instream target of 5.5 mg/L was used in the model for effluent concentration. This is significantly higher than the effluent DO measured during the 2002 synoptic survey; the Village of Ashton WWTP's current NPDES discharge permit limit is 6.0 mg/L. All other model parameters were maintained at baseline levels (see Section 7). SOD was reduced in concert with the point source CBOD loads. Reduced point source loads will reduce the amount of organic material settling to the streambed downstream of the discharge, in turn reducing the SOD. **Table 8-4** summarizes the results.

Table 8-4 Loading Capacity for Oxygen-Demanding Materials in Beach Creek (IL_PLB-C1)

Oxygen-Demanding Material	LC
CBOD (lb/day)	2
SOD (g O_2/m^2/day)	7–15[1]

Note:

[1] A range is provided as SOD varies spatially. Spatial variability was quantified during the calibration process.

g O_2/m_2/day – grams of oxygen per square meter per day

8.3.1.2 Seasonal Variation

Seasonality is addressed through the targeted calculation of TMDLs using model inputs that represent the time of year when DO is at the lowest instream concentrations. This is the critical condition that represents the worst-case scenario and is therefore the most conservative way to calculate these TMDLs.

8.3.1.3 Waste Load Allocation

There is one NPDES permitted discharger within the Kyte River watershed that discharges to the Beach Creek IL_PLB-C1 segment. This discharge and the relevant existing discharge concentrations were input into the existing condition QUAL2K model for calibration purposes (see Section 7). Modeling shows that the main drivers of low DO impairments in this segment are high rates of SOD, which are most likely linked to CBOD from the point source.

The existing NPDES discharge permit for the Village of Ashton WWTP contains effluent limits for CBOD, which are shown in **Table 8-5**.

Table 8-5 Current CBOD Effluent Limits for the Village of Ashton WWTP

Facility	NPDES Permit Number	Applicable Stream Segment	Design Maximum Flow (mgd)	CBOD Monthly Average Limit		CBOD Weekly Average Limit	
				mg/L	lb/day	mg/L	lb/day
Village of Ashton WWTP	ILG582015	IL_PLB-C1	1.34	25	279	40	447

The current pounds per day effluent limit for CBOD is significantly higher than the LC determined through modeling. **Table 8-6** contains CBOD information for the facility from recent DMRs data for reference.

Table 8-6 Current CBOD Effluent Data[1] from the Village of Ashton WWTP

Facility	NPDES Permit Number	Applicable Stream Segment	Average Daily Flow (mgd)	CBOD Monthly Average		CBOD Weekly Average	
				mg/L	lb/day	mg/L	lb/day
Village of Ashton WWTP	ILG582015	IL_PLB-C1	0.67	15	45	20	53

Note:
[1] DMR data from 10/2018–7/2022.

Modeling was performed using data from 2002; current conditions in the receiving water are unknown. Historically, the point source was the main contributor to low DO concentrations downstream of the effluent. It is recommended that the Illinois EPA Permit Section review current discharge data as it relates to more recent instream water quality to assess the need for permit limit revisions during permit renewal. Permit renewals occur every 5 years and may include additional monitoring requirements, new permit limits, and/or regulatory schedules designed to bring facilities into compliance.

8.3.1.4 Margin of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions), explicit (expressed in the TMDL as a portion of the loadings), or a combination of both. Various conservative inputs and assumptions were included in the modeling effort that provide some implicit MOS. The modeled LC for SOD (discussed above in Section 8.3.1.2) resulted in a range of values for the spatial extent of the impaired segment. The lowest, more conservative value in the range was used in the TMDL allocations for an additional margin of safety. In addition, an explicit MOS for the DO TMDL of 10 percent was included to account for the limited site-specific data available within the watershed.

8.3.1.5 Reserve Capacity

No RC was included in the TMDL. Significant future population growth is not anticipated in the area.

8.3.1.6 Load Allocation and Total Maximum Daily Load Summary

Table 8-7 shows a summary of the DO TMDL for Beach Creek. The allowable loads of oxygen-demanding material that can be generated in Beach Creek and still maintain water quality standards were analyzed using the calibrated models described in Section 7. Modeling analysis revealed that, for the modeled reach, the DO standard could be achieved with substantial reductions in oxygen-demanding material loads and associated stream SOD.

Table 8-7 DO Total Maximum Daily Load for Beach Creek IL_PLB-C1

Contributing Oxygen Demanding Parameter	LC	WLA	LA	MOS (10% of LC)	RC
CBOD (lb/day)	2	1.8	0	0.2	0
SOD (g $O_2/m^2/d$)	7	0	6.3	0.7	0

The analyses indicate that, given the best available data and constructed model, low DO levels in this stream were driven primarily by a combination of high SOD, and point loading of oxidizing materials (CBOD). SOD is the sum of all chemical and biological processes in the sediment that take up oxygen. SOD generally consists of a combination of biological respiration from benthic organisms and the biochemical decay processes in the top layer of deposited sediments, together with the release of oxygen-demanding (reduced) anaerobic chemicals such as iron, manganese, sulfide, and ammonia.

To satisfy the requirements of the TMDL analysis, incremental reductions were made in the point source CBOD load and SOD until the relevant water quality standard was achieved. All other model parameters were maintained at baseline levels (see Section 7). SOD was reduced in concert with the point source CBOD loads. Reduced point source loads will reduce the amount of organic material settling to the streambed downstream of the discharge, in turn reducing the SOD.

8.3.2 Total Phosphorus Load Reductions for Beach Creek IL_PLB-C1

High phosphorus concentrations in receiving streams can result in excessive algae growth, typically periphyton in smaller streams and phytoplankton in larger rivers. Excessive algae growth is known to cause water column DO depletions as the algae respires. Illinois has

developed a NLRS that contains an interim goal of reducing TP loads across the state by 25 percent with an ultimate goal of reducing TP loads by 45 percent. Therefore, the recommended load reduction target for TP in Beach Creek is 75 percent of the existing loads.

8.3.2.1 Loading Capacity

The LC is the maximum amount of TP that the stream segment can receive while achieving the 25 percent load reduction target established by the Illinois NLRS. These LCs were determined for the impaired segment using the methodology discussed in Section 7. The TP LC for various flow ranges is presented in **Table 8-8**.

Table 8-8 TP LC in Beach Creek Segment IL_PLB-C1

Zone	Flow Exceedance Range (%)	LC (lb/day)
High Flow	0–10	25
Moist	10–20	12
	20–30	8.5
	30–40	6.9
Mid-Range	40–50	5.7
	50–60	4.7
Dry	60–70	3.8
	70–80	3.2
	80–90	2.7
Low Flow	90–100	2.4

8.3.2.2 Seasonal Variation

Consideration of seasonality is inherent in the load duration analysis. The TP water quality target is not seasonal, and the full available range of expected flows are represented in the LC table; therefore, the LC represents conditions throughout the year.

8.3.2.3 Waste Load Estimates

Further allocation within the LCs into allowable point and nonpoint source loads was not completed for TP in streams. A municipal treatment plant was identified as a potential source of nutrients within the watershed. Illinois EPA permits section may review the NLRS and LCs developed in this report at the time of permit renewal for the Village of Ashton WWTP to determine any regulatory impacts (nutrient sampling or limits) that may be imposed at a future date.

8.3.2.4 Margin of Safety

The MOS can be implicit (incorporated into the analysis through conservative assumptions), explicit (expressed as a portion of the loadings), or a combination of both. No explicit MOS of was included for the TP analyses as the load reduction goals have been developed to guide implementation strategies rather than to impose regulated enforcement.

8.3.2.5 Reserve Capacity

In the case of TP in Beach Creek, an explicit RC was not included in the calculations because of the level of development already present in the watershed. As the NLRS continues to be implemented in Illinois, nutrient loads are likely to decrease in the future.

8.3.2.6 Load Allocation and Calculation Summary

Table 8-9 shows a summary of the TP load allocations and reduction targets at various flows for Beach Creek segment IL_PLB-C1. As shown in the table, the limited data show that load reductions are likely needed across all ranges of flows with increased reductions necessary in the lowest flow ranges. This suggest that point sources are a significant contributor phosphorus loads to this reach.

Table 8-9 TP Load Analysis for Boneyard Creek

Zone	Flow Exceedance Range (%)	LC (lb/day)	LA (lb/day)	Actual Load[1] (lb/day)	Percent Reduction Needed
High Flow	0–10	25	25	--	ND
Moist	10–20	12	12	13	7.7%
	20–30	8.5	8.5	--	ND
	30–40	6.9	6.9	--	ND
Mid-Range	40–50	5.7	5.7	--	ND
	50–60	4.7	4.7	--	ND
Dry	60–70	3.8	3.8	--	ND
	70–80	3.2	3.2	--	ND
	80–90	2.7	2.7	6.7	59.7%
Low Flow	90–100	2.4	2.4	--	ND

Note:

[1] Actual Load was calculated using the 90th percentile of observed concentrations in a given flow range.[33]

8.3.3 Fecal Coliform Total Maximum Daily Load

8.3.3.1 Loading Capacity

The LC is the maximum amount of fecal coliform that Kyte River segment IL_PL-03 can receive and still meet the water quality standard. The allowable fecal coliform loads that can be generated in the Kyte River watershed to meet established standards were determined with the methodology discussed in Section 7. The fecal coliform LC according to flow is presented in **Table 8-10**.

[33] EPA. 2007

Table 8-10 Fecal Coliform LC for Kyte River IL_PL-03

Zone	Flow Exceedance Range (%)	Million Colonies Per Day
High Flow	0–10	3,516,952
Moist	10–20	1,543,317
	20–30	977,294
	30–40	710,418
Mid-Range	40–50	536,639
Dry	50–60	386,444
	60–70	296,824
	70–80	231,284
	80–90	183,371
Low Flow	90–100	143,153

8.3.3.2 Seasonal Variation

Consideration of seasonality is inherent in the load duration analysis. The fecal coliform water quality target is not seasonal, and the full range of expected flows are represented in the LC table; therefore, the LC represents conditions throughout the year.

8.3.3.3 Waste Load Allocation

There are two point sources located within the Kyte River watershed that discharge to or upstream of the impaired segment and have reasonable potential to discharge elevated concentrations of fecal coliform. Data from DMRs from these NPDES facilities were used in calculations of the WLAs, along with the DAF or DMF, as shown in **Table 8-11**.

Table 8-11 Waste Load Allocations for NPDES Permitted Sanitary Treatment Facilities in the Kyte River Watershed

NPDES Permit Number	Facility Name	Receiving Water	DAF (mgd)	WLA-DAF (mil col/day)	DMF (mgd)	WLA-DMF (mil col/day)
ILG582015	Village of Ashton WWTP	Beach Creek IL_PLB-C1	0.33	4,997	1.34	20,292
IL0030741	City of Rochelle Water Reclamation	Kyte River IL_PL-03	4.87	73,748	8.76	132,655
		Total	5.2	78,745	10.1	152,947

8.3.3.4 Margin of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions), or explicit (expressed in the TMDL as a portion of the loadings), or a combination of both. An explicit MOS for the fecal coliform TMDL of 10 percent was included to account for some of the limited site-specific data available within the watershed. A low rate of uncertainty in the calculations is associated with the estimated flows in the assessed segments, which were based on extrapolating flows from a surrogate USGS gauge.

8.3.3.5 Reserve Capacity

Large future growth is not anticipated in the area, however, a small RC, equal to 5% of the LC, was included to accommodate any some point sources that may come online in the future. Because the WLA is set at the water quality standard, future TMDL modifications could be easily calculated.

8.3.3.6 Load Allocations and Total Maximum Daily Load Summaries

Tables 8-12 summarizes the fecal coliform TMDLs for the impaired segment in the Kyte River watershed. WLAs were calculated using the appropriate design flow for the NPDES facility and the target water quality standard and applied to the TMDLs for the applicable receiving waters. DMFs were used to calculate WLAs under higher flow conditions while DAFs were used to calculate WLAs applied during lower flows.

Table 8-12 Fecal Coliform Total Maximum Daily Load for Kyte River (IL_PL-03)

Zone	Flow Exceedance Range (%)	LC (million colonies per day)	LA (million colonies per day)	WLA (million colonies per day)	RC	MOS	Actual Load[1] (million colonies per day)	Percent Reduction Needed (%)
High Flow	0–10	3,516,952	2,836,462	152,947	175,848	351,695	56,397,444	95%
Moist	10–20	1,543,317	1,158,872	152,947	77,166	154,332	868,378	
	20–30	977,294	677,753	152,947	48,865	97,729	14,577,571	95%
	30–40	710,418	450,908	152,947	35,521	71,042	732,435	34%
Mid-Range	40–50	536,639	377,398	78,745	26,832	53,664	--	No Data
Dry	50–60	386,444	249,732	78,745	19,322	38,644	1,115,228	76%
	60–70	296,824	173,555	78,745	14,841	29,682	1,991,001	91%
	70–80	231,284	117,846	78,745	11,564	23,128	792,126	84%
	80–90	183,371	77,120	78,745	9,169	18,337	308,472	72%
Low Flow	90–100	143,153	42,935	78,745	7,158	14,315	366,901	86%

Note:

[1] Actual load was calculated using the 90th percentile of observed concentrations in a given flow range.[34]

[34] EPA. 2007.

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Section 9

Watershed-Based Plan for the Kyte River Watershed

9.1 Implementation Overview

The goal of this watershed plan is to identify BMPs to be implemented in the Kyte River watershed. The BMPs will provide reasonable assurance that impaired waters in the watershed will meet water quality goals developed to ensure water bodies are able to support designated uses.

EPA has identified nine minimum elements that a watershed plan for impaired waters is expected to include. The nine elements are defined in **Table 9-1**, with additional information provided about where each element can be found throughout this report.

Table 9-1 EPA's Nine Elements of a Watershed Plan for Impaired Waters

Element	Element Description	Report Section
1	Identify causes and sources of pollution that will need to be controlled to achieve pollutant load reduction requirements estimated within the watershed plan.	Sections 5 and 8
2	Estimate pollutant load reductions expected as a result of implementation of management measures described in element 3.	Sections 8 and 9
3	Describe the nonpoint source BMPs that will need to be implemented to achieve load reductions estimates and identify the critical areas where measures need to be implemented.	Section 9.3
4	Estimate the level of technical assistance, associated costs, potential funding sources and parties that will be relied upon to implement the prescribed measures.	Section 9.4
5	Include a public information/education component designed to change social behavior.	Section 9.6
6	Develop an implementation schedule for the plan.	Section 9.7
7	Develop a description of interim, measurable milestones.	Section 9.7
8	Identify indicators that can be used to determine whether pollutant loading reductions are being achieved over time.	Section 9.8
9	Develop a monitoring component to evaluate the effectiveness of the implementation efforts over time.	Section 9.8

9.2 Adaptive Management

Watershed planning is an iterative and adaptive process that requires continuous monitoring and evaluation of success criteria to help improve results as lessons are learned throughout implementation. This adaptive management approach is recommended for the implementation of management practices designed to meet the load reduction targets developed for the Kyte River watershed. Adaptive management conforms to the EPA guidelines outlined in **Table 9-1** as it is a systematic process for continually improving management policies and practices through

learning from the outcomes of operational programs. Some defining characteristics of an adaptive management approach include:

- Acknowledgement of uncertainty about what policy or practice is "best" for the particular management issue
- Thoughtful selection of the policies or practices to be applied (the assessment and design stages of the cycle)
- Careful implementation of a plan of action designed to reveal the critical knowledge that is currently lacking
- Monitoring of key response indicators
- Analysis of the management outcomes in consideration of the original objectives and incorporation of the results into future decisions

Implementation actions, management measures, available assistance programs, and continued monitoring are all discussed throughout the remainder of this section to use while developing an adaptive management program. The point source BMPs described are generally required actions that are typically already being implemented, although some modifications may be appropriate. The recommended nonpoint source BMPs are voluntary and implementation can vary based on landowner preferences.

9.3 Best Management Practices

Implementation actions, point source controls, management measures, and/or BMPs are used to control the generation or distribution of pollutants within a watershed. BMPs are either structural, such as wetlands, sediment basins, fencing, or filter strips; or managerial, such as conservation tillage practices, NMPs, or crop rotation. Both structural and managerial BMPs require effective management to be successful in reducing pollutant loading to water resources.[35]

It is typically most effective to install a combination of nonpoint source controls and BMPs or a BMP system. A BMP system is a combination of two or more individual BMPs that are used to control pollutants from a single critical source. If the watershed has more than one identified pollutant but the transport mechanism is the same, then a single BMP system that establishes controls for the transport mechanism can be employed.

The following subsections describe BMPs for the reduction of fecal coliform, nutrients, and other oxygen-demanding material loads within the impaired segments of the Kyte River watershed.

9.3.1 Best Management Practices for Fecal Coliform Reduction

The recreational use of segment IL_PL-03 of the Kyte River is impaired by fecal coliform bacteria. Inputs of fecal coliform primarily originate from nonpoint sources such as stormwater runoff from agricultural areas. Fecal coliform contributions from failed on-site wastewater treatment (septic) systems can also be a significant source (nonpoint), especially if they are concentrated in

[35] Osmond, D.L., D.L.K. Hoag, A.E. Luloff, D.W. Meals, and K. Neas. 2015. "Farmers' Use of Nutrient Management: Lessons from Watershed Case Studies." *Journal of Environmental Quality*. DOI http://dx.doi.org/10.2134/jeq2014.02.0091

a small area. Fecal coliform can also be bound to soil particles and enter streams from erosion. The impact from fecal coliform contributed by nonpoint sources is typically intermittent and is most often associated with stormwater runoff that carries things like animal waste, fertilizers, or other pathogenic sources. Sedimentation can impact the physical attributes of the stream and act as a transport mechanism for fecal coliform contamination.

As discussed in previous sections, possible external sources of fecal coliform in the Kyte River watershed include agricultural activity (cropping practices and animal operations). To achieve a reduction of fecal coliform for the Kyte River watershed, management measures should be implemented to address a range of potential sources.

9.3.1.1 Point Sources of Fecal Coliform

There are two point sources within the Kyte River watershed that discharge to or upstream of the impaired segment: the Village of Ashton WWTP (ILG582015) and the City of Rochelle Water Reclamation Facility (IL0030741). The Rochelle Water Reclamation Facility is currently required to meet the permitted effluent limit of 400 cfu/100 ml. The Ashton WWTP is covered under the general discharge permit that does not include an effluent limit for fecal coliform but does include a requirement to monitor fecal coliform concentrations in effluent. Recent effluent data show that the Ashton WWTP generally discharges low concentrations of fecal coliform (less than 100 cfu/100 ml). Based on the current NPDES limits and existing data, neither facility is thought to be a major contributor to fecal coliform concentrations in the impaired segment of the Kyte River under normal operating conditions. The Illinois EPA Permit Section will review permits at the time of renewal and assess the need for any additional monitoring or control measures.

9.3.1.2 Nonpoint Sources of Fecal Coliform

There are many potential nonpoint sources of fecal coliform within the Kyte River watershed. Because fecal coliform can enter waterways through surface runoff and erosion of contaminated soils, sediment management and erosion control BMPs on a watershed-scale will help reduce fecal coliform loading to impaired stream segments. Data were gathered through communications with the local NRCS, Illinois SWCDs, and public health departments.

BMPs that reduce fecal coliform loads from these nonpoint sources include:

- Conservation tillage practices
- Filter strips and riparian buffers
- Farming/soil retention practices
- Wetlands
- Water and sediment control basins (WASCOBs)
- Streambank protection
- Animal waste management
- Urban soil/erosion BMPs

Conservation Tillage Practices: Conservation tillage practices help reduce sediment loads into impaired segments by reducing the erosion of soils. **Table 9-2** shows the areas (in acres) in the impaired stream subbasin that are under cultivation along with the percentage of the corresponding watershed area that is cultivated. The areas shown in the table are for the impaired segment subbasins only and do not include upstream subbasins to avoid double counting the acreage across the entire Kyte River watershed. Crop residuals or living vegetation cover on the soil surface protects against soil detachment from water and wind erosion.

Table 9-2 Cultivated Areas for the Kyte River Watershed Subbasins

Impaired Stream Segment	Segment ID	Land Cover Area (acres)	Cultivated Area (acres)	Percentage Cultivated
Kyte River	IL_PL-03	125,676	98,798	79%
Beach Creek	IL_PLB-C1	915	645	70%

Conservation tillage practices are no till and reduced till. No till is the practice of limiting soil disturbance to manage the amount, orientation, and distribution of crop and plant residue on the soil surface year-round.[36] Reduced till is managing the amount, orientation, and distribution of crop and other plant residue on the soil surface year-round while limiting the soil-disturbing activities used to grow and harvest crops in systems where the field surface is tilled prior to planting.[37]

The no till practice consists only of an in-row soil tillage operation during the planting activities and a seed row/furrow closing device. No full-width tillage is performed from the time of harvest or termination of one cash crop to the time of harvest/termination of the next cash crop in the rotation regardless of the depth of the tillage operation. Limited tillage is allowed to close or level ruts from harvesting equipment; however, no more than 25 percent of the field may be tilled for this purpose.

As discussed, the reduced till practice consists of managing plant residue on the soil surface while limiting soil-disturbing activities. The practice includes tillage methods commonly referred to as mulch tillage or conservation tillage, where the entire soil surface is disturbed by tillage operations such as chisel plowing, field cultivating, tandem disking, or vertical tillage. It also includes tillage/planting systems with few tillage operations (e.g., ridge till) but which do not meet the criteria for the no till practice as described above and in Illinois NRCS CPS 329.[38]

In both the no till and reduced till practices, removal of residue from the row area prior to or as part of the planting operation is acceptable. In the no till practice, however, the disturbed portion of the row width should not exceed one-third of the crop row width. In either practice, none of the residue should be burned. To reduce erosion to the targeted level, the current approved water and/or wind erosion prediction technology should be used to determine the amount of randomly distributed surface residue needed, the period of the year the residue needs to be present in the

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[36] NRCS. 2016a. Conservation Practice Standard (CPS). Residue and Tillage Management, No Till. Code 329. https://www.nrcs.usda.gov/resources/guides-and-instructions/residue-and-tillage-management-no-till-ac-329-conservation

[37] NRCS. 2016b. CPS. Residue and Tillage Management, Reduced Till. Code 345. https://www.nrcs.usda.gov/resources/guides-and-instructions/residue-and-tillage-management-reduced-till-ac-345-conservation

[38] NRCS. 2016a.

field, and the amount of surface soil disturbance allowed. All residues should be uniformly distributed over the entire field. Residue should not be shredded after harvest because shredding makes it susceptible to movement by wind or water, and areas where the shredded residue accumulates may interfere with planting of the next crop.

If the no till BMP is selected for use by a landowner, a separate plan should be prepared for each area that will use this practice. Additional guidance and minimum plan elements are discussed in Illinois NRCS CPS 329.[39] If the reduced till BMP is selected for use by a landowner, a separate plan should be prepared for each area that will use this practice. Additional guidance and minimum plan elements are discussed in Illinois NRCS CPS 345.[40] To achieve TMDL load reductions, tillage practices already in place should be continued, and practices should be assessed and improved upon for all agricultural areas in the Kyte River watershed subbasins.

Filter Strips: Filter strips reduce both sediment and bacterial pollutant loads from runoff. Filter strips are strips or areas of permanent herbaceous vegetation situated between cropland, grazing land, or disturbed land and environmentally sensitive areas such as waterways. The filter strips are permanently designated plantings to treat runoff and are not part of an adjacent cropland's rotation.

The filter strip vegetation may consist of a single species or a mixture of grasses, legumes, and/or other forbs that are appropriately adapted to the soil and climate, as well as to the farm chemicals used in the adjacent land. Approved seed listings are provided in Illinois NRCS CPS 393.[41] Applicable maintenance should be performed, as needed, to ensure the strips continue to function properly, including removing state-listed noxious weeds, repairing gullies, removing excess sediment, and reseeding. Overland flow entering the filter strip should be primarily sheet flow; areas of concentrated flow should be dispersed as part of the maintenance activities so as not to circumvent the filter strip. Harvesting of the filter strip vegetation, where appropriate, will help to encourage dense growth, maintain an upright growth habit, and remove contaminants such as nutrients and microbial pathogens. Prescribed burning may be used to manage and maintain the filter strip when an approved burn plan has been developed.

Installing filter strips adjacent to the impaired stream segments and any contributing tributaries can result in considerable reduction of overland contributions of sediments, suspended solids, and fecal coliforms to an impaired water body. Filter strips implemented along impaired streams and their tributaries slow and filter runoff and provide bank stabilization, thereby decreasing erosion and resedimentation. However, they should not be installed on unstable channel banks already eroding due to undercutting of the bank toe. When used in support of a riparian forest buffer, filter strips can also restore or maintain sheet flow.

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[39] NRCS. 2016a.
[40] NRCS. 2016b.
[41] NRCS. 2017a. CPS. Filter Strip. Code 393. https://efotg.sc.egov.usda.gov/api/CPSFile/5609/393_IL_CPS_Filter_Strip_2017

Illinois NRCS CPS 393 describes filter strip requirements based on land slope. The requirements are designed to achieve a minimum flow through time of 15 to 30 minutes at a one-half inch depth. **Table 9-3** provides a summary of the guidance for filter strip width, or flow length, as a function of slope.[42]

Table 9-3 Filter Strip Flow Lengths Based on Land Slope

Percent Slope	Filter Strip Flow Length (feet)	
	Minimum	Maximum
0.5%	36	72
1.0%	54	108
2.0%	72	144
3.0%	90	180
4.0%	108	216
5.0% or greater	117	234

In conjunction with the available land use, topography, and soil information discussed in Section 2, mapping software was used to buffer impaired segments and their major tributaries to an appropriate and reasonable width to determine the total area found in the subbasin. Because of the wide range of soil types and slopes found throughout the watershed, the appropriate buffer widths estimated in GIS were based on the average slope of land within the maximum buffer areas of the impaired segment's major tributaries. These average slopes were then used to calculate approximate buffer distances based on the NRCS guidance using a best-fit equation to interpolate between the slope percentages to buffer width relationships provided in the NRCS guidance.

Not all land use types within the buffer areas are candidates for conversion to filter strips. Existing forests and undisturbed grasslands already function as filter strips and conversion of developed residential or commercial lands is often not feasible. In general, agricultural lands are the land use type most conducive to conversion to buffer strips and will likely provide the greatest benefit to water quality once converted. Therefore, GIS software was used to extract the approximate acreage of agricultural lands surrounding potential tributaries and buffer areas of the impaired stream segments within the Kyte River watershed. The calculated overall buffer areas and acreage of agricultural land within the buffer distances for the impaired segments and its tributaries are provided in **Table 9-4**. These data represent an approximation of the maximum acreage of land potentially available for conversion to filter strips. A more detailed assessment of a given property is necessary to determine the exact size and extent of convertible lands likely to provide the greatest benefit to surface water quality following conversion to filter strips.

[42] NRCS. 2017a

Table 9-4 Average Slopes, Filter Strip Flow Length, Total Buffer Area, and Area of Agricultural Land within Buffers Potentially Suitable for Conversion to Filter Strips within the Kyte River Watershed

Impaired Stream Segment	Segment ID	Average Stream Slope	Filter Strip Flow Length (feet)	Total Buffer Area (acres)	Agricultural Land in Buffer (acres)
Kyte River	IL_PL-03	2%	144	322	32
Beach Creek	IL_PLB-C1	1%	72	52	44

There are approximately 76 acres of agricultural land within the various buffer distances of the impaired stream segments where filter strips could be installed. Landowners should evaluate their land adjacent to impaired streams and their tributaries to determine the practicality of installing or extending filter strips to achieve effective flow lengths, as described in the NRCS guidance provided in **Table 9-3**. **Figure 9-1** and **Figure 9-2** show the buffered areas and agricultural lands suitable for conversion to filter strips for each impaired stream segment subbasin.

If this BMP is selected for use by a landowner, a separate plan should be prepared for each area that will use this practice. Additional guidance and minimum plan elements are discussed in Illinois NRCS CPS 393, including site preparation; seed, seeding rates, and mixtures; lime and fertilizer; seedbed preparation and seeding; and operation and maintenance.

Riparian Buffers: Similar to filter strips, riparian vegetation buffers enhance infiltration of runoff and subsequent trapping of nonpoint source pollutants such as fecal coliform. The vegetation also serves to reinforce streambank soils, which helps minimize erosion. The primary difference between filter strips and riparian buffers are the types of vegetation plantings used within the buffer area. Riparian buffers leverage woody vegetation such as trees and shrubs. Grassland, forest, and agricultural areas within the appropriate buffer zones for each impaired stream segment within the Kyte River watershed are shown in **Table 9-4**. There are 374 acres within the buffer area of impaired stream segments. Approximately 76 of those acres are classified as agricultural. Landowners should assess parcels adjacent to the stream channels and maintain or improve existing riparian areas, or potentially convert cultivated lands.

Soil Retention: Soil retention practices help reduce nutrient and bacterial loads into the impaired stream segments by reducing erosion of soils. As discussed in Section 2.3, approximately 99,443 acres of the Kyte River watershed are under cultivation, which accounts for about 79 percent of the watershed area. Farming practices in the watershed should be assessed to determine the methods being used, where they can be improved upon, and what additional practices are appropriate to reduce nutrient loads through soil retention.

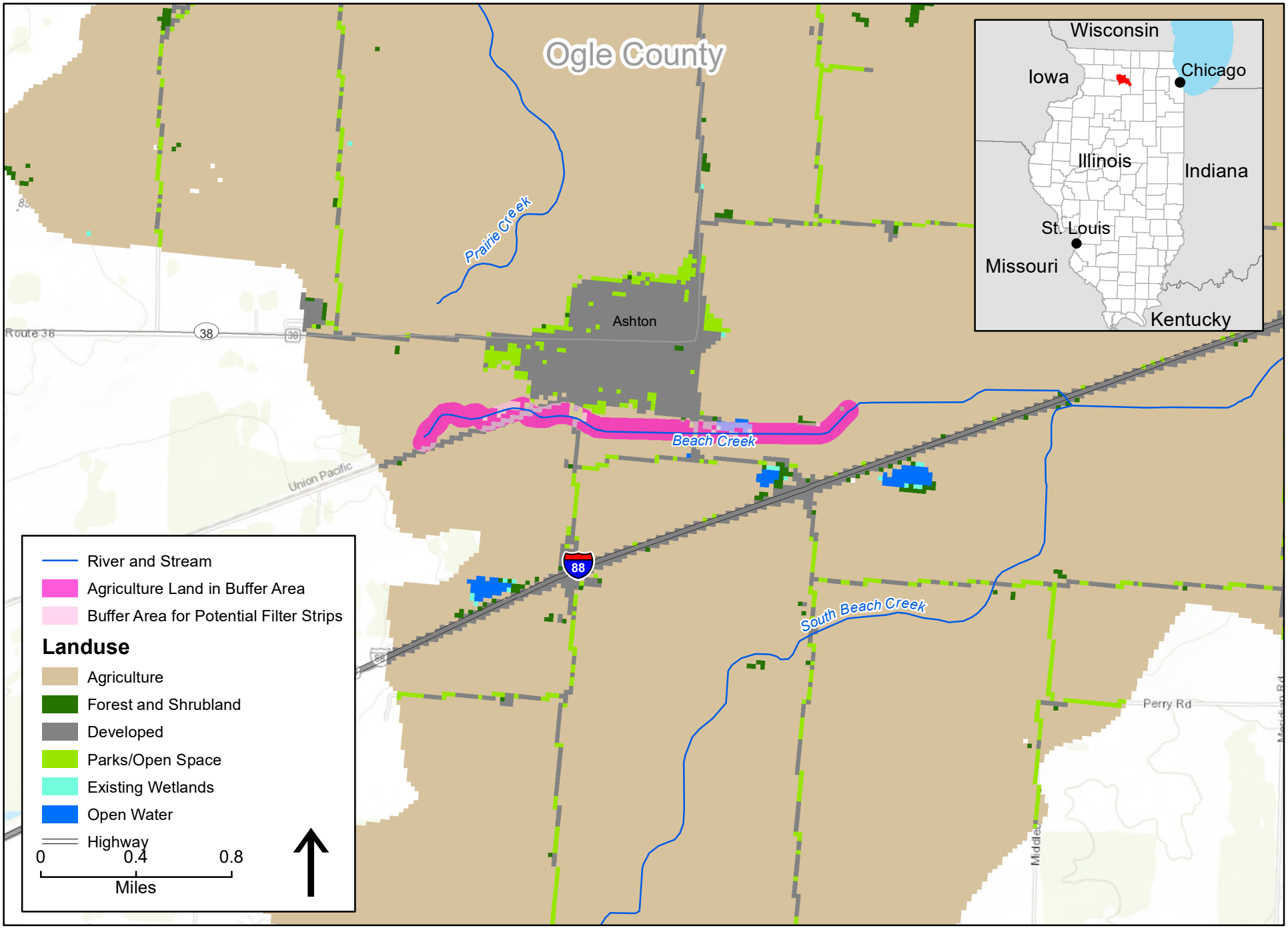

Figure 9-1: Beach Creek IL_PLB-C1 Subbasin
Buffer Areas and Agricultural Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

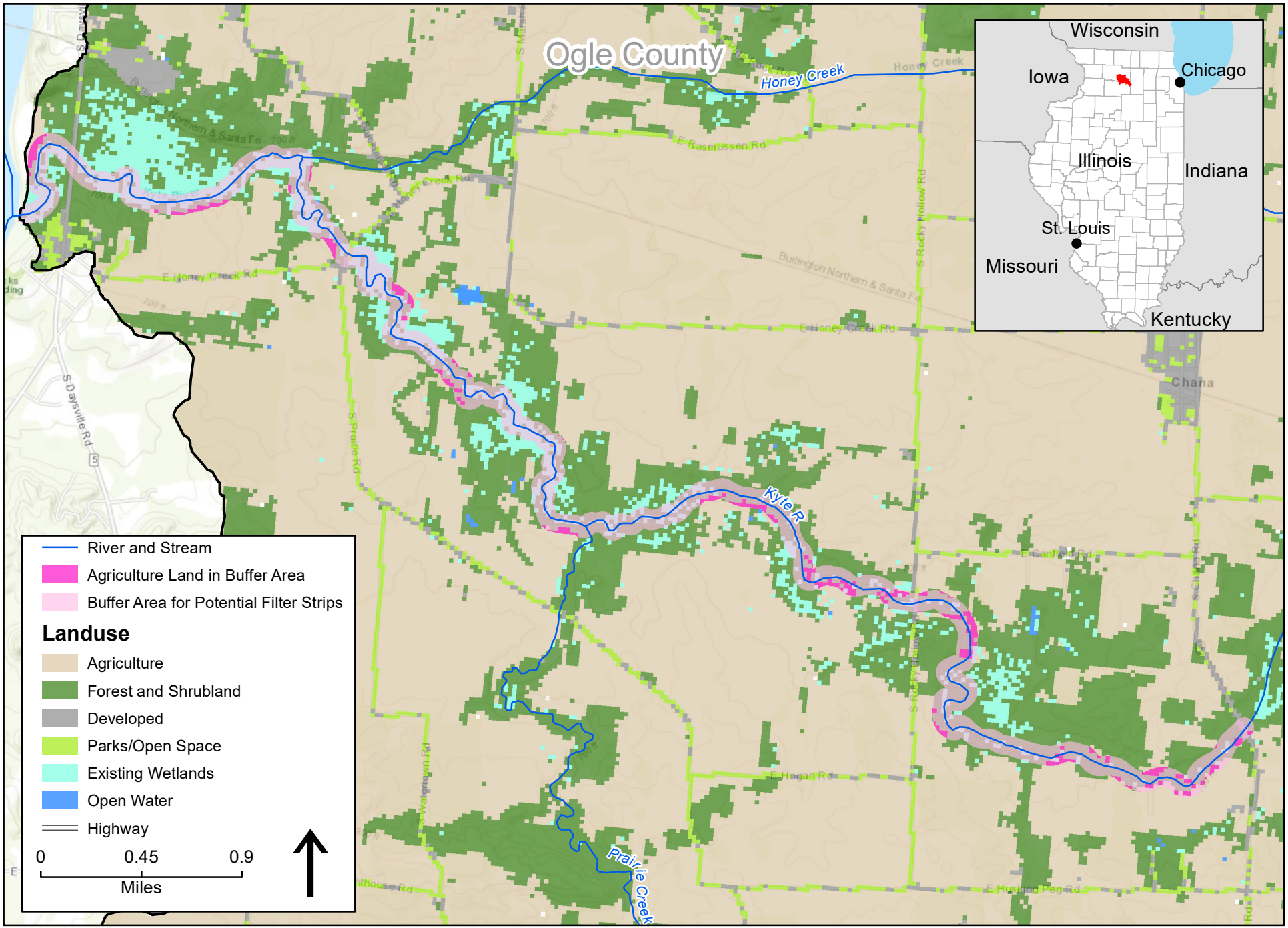

Figure 9-2: Kyte River IL_PL-03 Subbasin
Buffer Areas and Agricultural Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

Any farming/soil retention methods with the capability to reduce sediment and suspended solids entering impaired waterways also reduce fecal coliform loads. In addition to conservation tillage and buffer strips (riparian or filter strips), other examples of soil retention methods include:

- Field borders: A minimum 30-foot strip of permanent vegetation, such as stiff-stemmed, upright grasses, grass/legumes, forbs, and/or shrubs, established at the edge or around the perimeter of a cropland or grazing fields to reduce erosion from wind and water and protect soils and water quality.
- Contour farming: Aligning ridges, furrows, and roughness formed by tillage, planting, and other operations to alter the velocity and/or direction of water flow to or around hillslopes in areas where crops are grown on sloping lands.[43]
- Conservation crop rotation: A planned sequence of at least two different crops grown on the same ground over a period (i.e., the rotation cycle), applying to all cropland where at least one annually planted crop is included in the rotation. To recover excess nutrients from the soil profile and reduce water quality degradation, crops with quick germination and root system formation, a rooting depth sufficient to reach the nutrients not removed by the previous crop, and nutrient requirements that readily utilize the excess nutrients should be used.
- Stripcropping: A practice of growing planned rotations of erosion-resistant and erosion-susceptible crops or fallow in a systematic arrangement of approximately equal strips (two or more) across a field. Stripcropping can reduce sheet, rill, and wind erosion, as well as the transport of sediment and other water- and wind-borne contaminants. Stripcropping can be applicable on steeper slopes but is less effective on slopes exceeding 12 percent.[44]
- Cover cropping: A cover crop consists of grasses, legumes, and forbs planted for seasonal vegetative cover that may either be established between successive production crops or companion- or relay-planted into production crops. The cover crop should be established as soon as practical prior to or after harvest of the production crop and terminated as late as practical to maximize plant biomass production and nutrient uptake while allowing time to prepare the field for the next production crop.[45]
- Terracing: A soil conservation practice that may consist of an earthen embankment, channel, or combination of ridges and channels constructed across high-gradient slopes that can prevent runoff of precipitation from causing serious erosion. Terraces reduce both the volume and velocity of water moving across the soil surface, which reduces peak discharge rates by temporarily storing runoff and allowing associated sediment and other contaminants to settle out behind the terrace ridge rather than directly entering receiving waters.[46]

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[43] NRCS. 2021a. CPS. Contour Farming. Code 330. https://efotg.sc.egov.usda.gov/api/CPSFile/32990/330_IL_CPS_(Con)tour_Farming_2021

[44] NRCS. 2017b. CPS. Stripcropping. Code 585. https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/technical/cp/ncps/?cid=nrcs143_026849

[45] NRCS. 2016c. CPS. Cover Crop. Code 340. https://efotg.sc.egov.usda.gov/api/CPSFile/14651/340_OK_CPS_Cover_Crop_2016

[46] NRCS. 2021b. Conservation Practice Standard. Terrace. Code 600. https://efotg.sc.egov.usda.gov/api/CPSFile/31209/600_IL_CPS_Terrace_2021

- Critical area planting: The establishment of permanent vegetation on sites that have or are expected to have high erosion rates, and/or on sites that have physical, chemical, or biological conditions that prevent the establishment of vegetation using normal practices.[47]
- Sediment basins: A basin formed by an embankment or excavation, or combination of these, with a constructed engineered outlet that captures and detains sediment-laden runoff or other debris for a sufficient length of time. Sediment basins act as the last line of defense for capturing sediment when erosion has already occurred and must have sediment storage capacity, detention storage, and temporary flood storage capacities. For maximum sediment retention, the basin should be designed so that the detention storage remains full of water between storm events. If site conditions, safety concerns, or local laws preclude a permanent pool of water, all or a portion of the detention and sediment storage may be designed to be dewatered between storm events.

Wetlands: The use of wetlands as a structural control is applicable to fecal coliform reduction. Wetlands constructed at select locations where more focused runoff from fields occurs treat loads from agricultural runoff, such as from manure. Wetlands are effective BMPs for bacteria and sediment control because they:

- Prevent floods by temporarily storing water, allowing the water to evaporate or percolate into the ground
- Filter sediment
- Slow overland flow of water, thereby reducing soil erosion and contaminant transport

A properly designed and functioning wetland provides very efficient treatment of pollutants such as fecal coliform. Design of wetland systems is critical to the sustainable functionality of the system and should consider soils in the proposed location, hydraulic retention time, and space requirements. In general, soils classified as hydric are most suitable for wetland construction. Areas near waterways that are not currently classified as wetlands but have hydric soils present are typically strong candidates for potential wetland construction. Existing wetland areas may also be candidates for reconstruction or enhancement to improve their runoff filtration capacity. **Figure 9-3** highlights the areas along stream segments within the Kyte River watershed that contain hydric soils or wetlands suitable for conversion or enhancement to help reduce fecal coliform or nutrient loads into area waterways. These data layers are developed on a large scale and on-site soil investigation and wetland delineation is typically necessary for verification of the suitability of a given area for wetland construction.

[47] NRCS. 2010. CPS. Critical Area Planting. Code 342. NRCS. 2022. Conservation Practice Standard. Critical Area Planting. Code 342. https://efotg.sc.egov.usda.gov/api/CPSFile/35815/342_IL_CPS_Critical_Area_Planting_2022

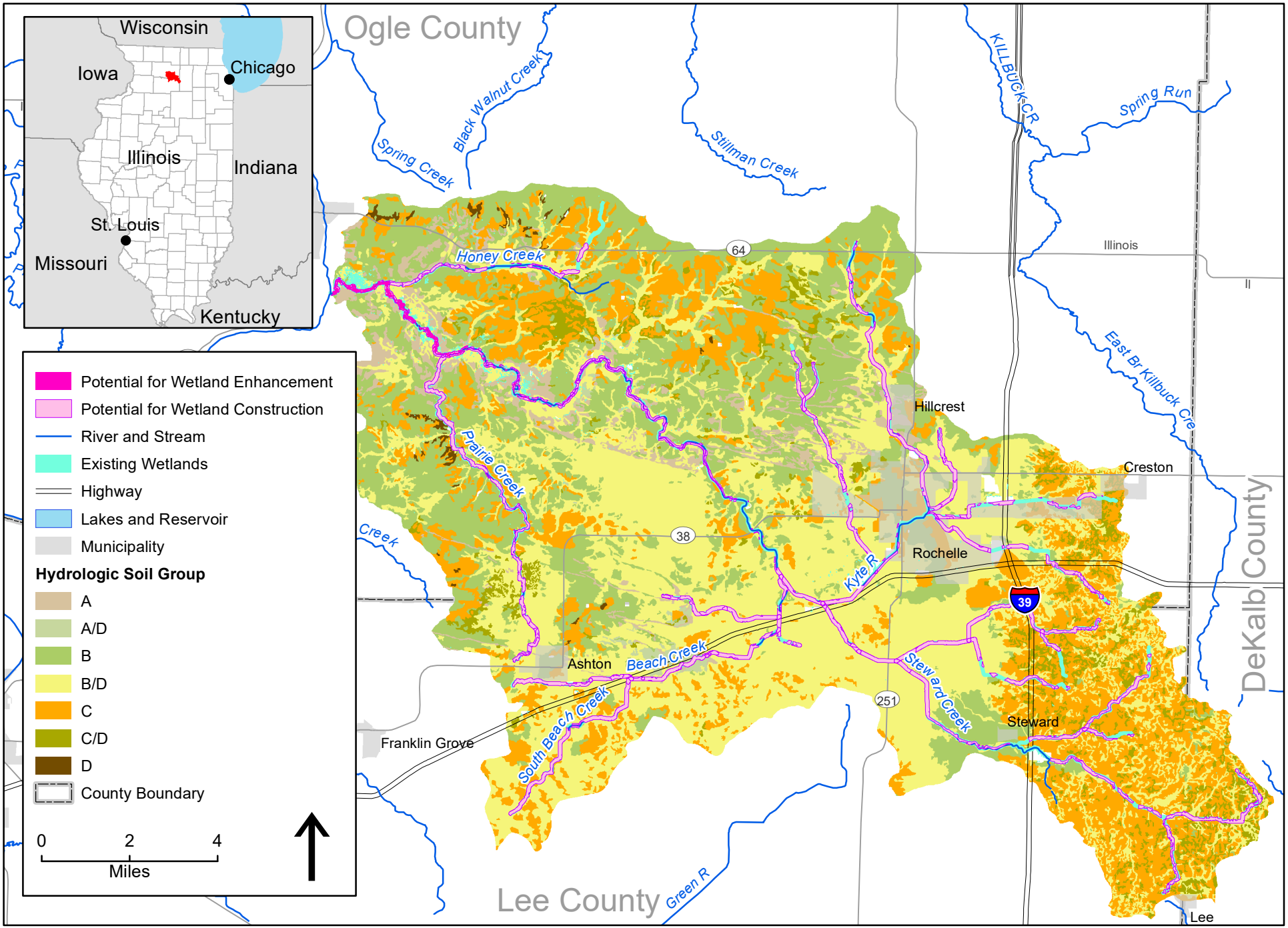

Figure 9-3: Kyte River Watershed
Hydric Soils, Existing Wetlands, and Potential Wetland Construction

CDM Smith

Constructed wetlands, which comprise the second or third stage of a nonpoint source treatment system, are effective at improving water quality. Studies have shown that artificial wetlands designed and constructed specifically to remove pollutants from surface water runoff have removal rates of greater than 90 percent for suspended solids.[48,49,50,51] Contaminant removal rates can be improved if sheet flow is maintained to the wetland, and vegetation and substrate are monitored to ensure the wetland is operating optimally. Sediment or vegetation removal may be necessary if the wetland removal efficiency is lessened over time.[52] Guidelines for wetland design suggest a wetland to watershed ratio of 0.6 percent for nutrient and sediment removal from agricultural runoff is optimal.

WASCOBs: WASCOBs are earth embankments or combination ridge and channel systems constructed across the slopes of minor watercourses to reduce watercourse and gully erosion. These basins act as water detention basins and trap sediments (and the pollutants bound to the sediment) prior to them reaching a receiving water. The WASCOB reduces gully erosion by controlling flow within the drainage area, and the basins may be installed singly or in series as part of a system. The practice applies to sites where the topography is generally irregular, runoff and sediment damage land and improvements, and watercourse or gully erosion is a problem. Adequate and stable outlets from the basin are required to convey runoff water to a point where it will not cause damage. Additionally, sheet and rill erosion should be controlled by other conservation practices (i.e., the WASCOB would be part of another conservation system that adequately addresses resource concerns both above and below the basin). However, if land ownership or physical conditions preclude treatment of the upper portion of a slope, a WASCOB may be used to separate the upper area from and permit treatment of the lower slope.

WASCOBS should, at a minimum, be designed to be large enough to control runoff from at least a 10-year, 24-hour storm using a combination of flood storage and discharge through the outlet. Additionally, the WASCOB must be designed to have the capacity to store at least the anticipated 10-year sediment accumulation. Otherwise, periodic sediment removal is required as part of the maintenance activities to maintain the required capacity. Locations are determined based on slopes, erosion areas, crop management, and soil survey data.

When using a WASCOB, a separate plan should be prepared for each treatment unit that will use this practice. Local NRCS personnel can often provide information and advice for design and installation. Illinois NRCS CPS 638[53] also provides additional information on the design and maintenance requirements for WASCOBs, as well as information on cropping activity recommendations and requirements around the basin. Maintenance includes reseeding or planting the basins to maintain vegetation, where specified, and periodically checking them, especially after large storms, to determine the need for embankment repairs or mechanical

[48] Johnson, R., R. Evans, and K. Bass. 1996. *Constructed Wetlands Demonstration Project for NPS Pollution Control*. North Carolina Department of Natural Resources: Division of Water Quality.

[49] Moore, J.A., and D. Smith. 2006. *Understanding Natural Wetlands*. Oregon State University Extension Service. EC1407, June.

[50] EPA. 2003. National Management Measures to Control Nonpoint Source Pollution from Agriculture. Office of Water. EPA 841-B-03-004.

[51] Kovosic, D.A., M.B. David, L.E. Gentry, K.M. Starks, and R.A. Cooke. 2000. "Effectiveness of Constructed Wetlands in Reducing N and P Export from Agricultural Tile Drainage." *Journal of Environmental Quality*. 29:1262–1274.

[52] Kovosic, D.A., M.B. David, L.E. Gentry, K.M. Starks, and R.A. Cooke. 2000. "Effectiveness of Constructed Wetlands in Reducing N and P Export from Agricultural Tile Drainage." *Journal of Environmental Quality*. 29:1262–1274.

[53] NRCS. 2018. Conservation Practice Standard. Water and Sediment Control Basin. Code 638. https://efotg.sc.egov.usda.gov/api/CPSFile/5838/638_IL_CPS_Water_and_Sediment_(Con)trol_Basin_2018

removal of excess sediment. Inlets and outlets should be cleaned regularly. Damaged components should be replaced promptly.

Animal Waste Management: Animal waste from domestic animals or livestock can also be a source of fecal coliform loads into impaired stream segments. A number of animal waste management techniques are helpful in reducing bacterial loads that enter waterways. Examples of effective animal waste management methods include:

- Restricting Livestock Access to Streams and Tributaries: Restricting livestock access to streams limits damage to streambanks and reduces bacterial loads entering the stream. Access of livestock and other animals to streams increases bank erosion, tramples filter strips and riparian buffers, causes short circuiting of pollutant treatment, and introduces organic contaminants directly into the stream. Prohibiting or restricting pet, livestock, and wildlife access to streams using fencing or alternate watering systems helps reduce pollutant loads; however, fencing emplacement is not always feasible from either a cost or animal management viewpoint. If used, fencing should be placed outside of the filter strips/riparian areas.

- Using Stream Crossings: A stream crossing is a stabilized area or structure constructed across a stream to provide a travel way for people, livestock, equipment, or vehicles. Use of established stream crossings can reduce streambank and streambed erosion, as well as improve water quality by reducing sediment, nutrient, organic, and inorganic loading downstream. This practice applies to all land uses where an intermittent or perennial watercourse exists and a ford, bridge, or culvert-type crossing is needed.

  Stream crossings should be in areas where the streambed is stable or can be stabilized, and preferably where the crossing can be installed perpendicular to the direction of stream flow. Each proposed crossing site should be evaluated for variations in stage and discharge, hydraulics, aquatic organism life stages, fluvial geomorphic impacts, sediment transport and flow continuity, groundwater conditions, and movement of woody and organic material. The crossing should then be designed to account for the known range of factors. Crossings should not be placed where the channel grade or alignment changes abruptly, excessive seepage or instability is evident, overfalls exist (evidence of incision and bed instability), where large tributaries enter the stream, within 300 feet of known spawning areas for listed species, or in wetland areas. The width of the crossing will depend upon its intended purpose.

- Managing Pet Waste: Pet waste contributes bacteria and nutrient loads to impaired streams through stormwater runoff that discharges into storm sewers or directly into waterways. Public outreach and education campaigns encouraging pet owners to pick up their dog's waste is a tool to help reduce bacteria loading in impaired streams. Installing pet waste disposal systems and offering pet waste bags in residential areas or in parks or open spaces within bacteria impaired watersheds also helps reduce fecal coliform loads entering streams.

- Implementing CAFO BMPs (40 Code of Federal Regulations [CFR] 412.4): The proper management of waste from CAFOs within the watershed will help reduce bacteria loadings to area waterways. BMPs for the land application of manure and other process wastewater from such facilities are defined in 40 § CFR 412.4. Examples of applicable BMPs include using a setback, or specified distance from surface waters or their tributaries, where manure or other waste products are located or applied as well as using vegetated buffers or filter strips to help filter out or intercept contaminated runoff from CAFO facilities.

Urban Runoff BMPs: Table 9-5 summarizes the percentage of land that is developed or urban within each impaired stream segment's subbasin. In the developed/urban areas of the watershed, decreased infiltration and increased runoff rates associated with the prevalence of impervious surfaces and increased overland flow can contribute to high sediment and bacterial loads in the impaired stream segments. Most modern developments route runoff from impervious surfaces directly into storm sewers or paved channels, which effectively convey the pollutants into receiving water bodies with little to no opportunity for infiltration or filtering. The storm sewers and lined channels then convey the runoff water downstream at a much faster rate than would normally occur in a natural, nonurbanized setting.

Table 9-5 Urban and Developed Areas for the Kyte River Watershed Subbasins

Impaired Stream Segment	Segment ID	Land Cover Area (acres)	Developed Area (acres)	Percentage Developed
Kyte River	IL_PL-03	125,676	11,921	9%
Beach Creek	IL_PLB-C1	915	210	23%

The long-term effects of watershed development on water bodies and wetlands can include eliminating vegetation and other natural land cover materials. The typical consequences of these alterations include reduced shading and a resultant increase in water temperature, reduced capacity for pollutant filtering, and increased stream instability and erosion. The Association of Illinois SWCDs maintains and updates the Illinois Urban Manual (https://illinoisurbanmanual.org/), which is "intended for use as a technical reference by developers, planners, engineers, government officials and others involved in land use planning, building site development, and natural resource conservation in rural and urban communities and developing areas." Below is information on urban stormwater BMPs that can be used within the watershed. Detention basins, rock check dams, and/or manufactured tri-dikes, and silt fences are BMPs employed to reduce surface runoff, particularly addressing the reduction of sediment and bacterial loads.

- Detention Basins: A dry detention basin is a vegetated basin designed to hold stormwater runoff, thus reducing peak stormwater flows and reducing flooding. Drainage areas for these basins are typically between 5 and 50 acres and plans and specifications require the signature of a licensed professional engineer. Design components include a basin inflow and outflow control structures, an emergency spillway, and basin planting. Refer to practice standard 809 in the Urban Manual for additional information.

- Rock Check Dam: A rock check dam is a small dam built across a grass swale or road ditch to slow stormwater flows, reduce erosion, trap sediment, and increase infiltration. The practice is limited to small, grassed swales or open channels that drain 10 acres or less. Refer to practice standard 905 in the Urban Manual for additional information on criteria, plans/specifications, and operations and maintenance.

- Manufactured Tri-Dikes: Also known as manufactured ditch checks (reference practice 814 in the Urban Manual), this practice involves installing a prefabricated temporary dam or flow-through device (10 to 15 inches high) across a swale or road ditch to slow water flow. Similar to a rock check dam, the purpose of manufactured ditch checks is to trap sediment, promote the settling of suspended solids, reduce erosion, and promote infiltration. The practice is used where grading activity occurs in areas of concentrated flows with slopes less than 8 percent and flow velocities less than 8 cfs.

- Silt Fence: A silt fence is a temporary barrier of filter fabric stretched between posts to cause sediment deposition from sheet flows from disturbed sites. Maximum drainage areas for overland flow to a silt fence should not exceed one-half acre per 100 feet of fence. Refer to practice standard 920 of the Urban Manual for additional information.

9.3.2 Best Management Practices for Total Phosphorus Reduction in Beach Creek

Phosphorus is a nutrient critical to healthy ecosystems at low concentrations; however, overenrichment of phosphorus can result in aquatic ecosystem degradation when nitrogen is also available in sufficient quantities. Nutrient enrichment can result in rapid algal growth as available nutrients and carbon dioxide are consumed. This response can alter pH, decrease DO (which is critical to other aquatic biota), alter the diurnal DO pattern, and even create anoxic conditions. In addition, nutrient enrichment can reduce water clarity and light penetration and is aesthetically displeasing.

Inputs of phosphorus originate from both point and nonpoint sources. Most of the phosphorus discharged by point sources is soluble and originates from anthropogenic sources. For example, effluents from municipal STPs are often a contributor of phosphorous loads to area waterways. Contributions from failed on-site wastewater treatment (septic) systems can also be a significant source (nonpoint), especially if they are concentrated in a small area.

Phosphorus from nonpoint sources is generally insoluble or particulate. Most of this phosphorus is bound tightly to soil particles and enters streams from erosion. The impact from phosphorus discharged by nonpoint sources is typically intermittent and is most often associated with stormwater runoff. Beach Creek segment IL_PLB-C1 is on the 303(d) list for impairments caused by elevated TP and low DO concentrations.

9.3.2.1 Point Sources of Phosphorus and other Oxygen-Demanding Materials

The Village of Ashton STP is the only point source discharger that discharges municipal wastewater effluent to or upstream of the impaired segment. The load duration curve developed for TP in Beach Creek (**Figure 7-3**) showed elevated phosphorus loads have been documented under dry conditions, which could indicate that the issue originates from a point source. The

facility is not required to monitor for TP in the effluent discharge per their most recent NPDES permit and will likely receive monitoring requirements in an upcoming permit to align with the Illinois NLRS. The NLRS calls for an overall 45 percent load reduction of TP leaving the State of Illinois and an interim target of a 25 percent load reduction by 2025.

Available data and modeling show that historically, the Village of Ashton STP was the main contributor to low DO concentrations downstream of the effluent. It is recommended that the Illinois EPA Permit Section review current discharge data with more recent instream water quality to assess the need for permit limit revisions during permit renewal. Permit renewals occur every 5 years and may include additional monitoring requirements, new permit limits, and/or regulatory schedules designed to bring facilities into compliance.

9.3.2.2 Nonpoint Sources of Phosphorus

Nonpoint source management measures to achieve a reduction of TP for the Beach Creek watershed must primarily address loading through sediment and surface runoff controls. BMPs for treatment of these nonpoint sources include:

- Conservation tillage practices
- Filter strips and riparian buffers
- Farming/soil retention practices
- Wetlands
- WASCOBs
- Streambank protection
- Animal waste management
- Urban soil/erosion BMPs
- Nutrient management
- Phosphorus-based lawn fertilizer restrictions

Following are discussions regarding nutrient management and phosphorus-based lawn fertilizer restrictions. Section 9.1.3.1 provides more information about the other BMP controls listed above.

Nutrient Management Planning: Nutrient management programs will result in reduced nutrient loads to Beach Creek and help improve DO levels. Crop management of nitrogen and phosphorus originating in the agricultural portions of the watershed can be accomplished through NMPs that focus on increasing the efficiency with which applied nutrients are used by crops, thereby reducing the amount available to be transported to both surface water and groundwater.

The overall goal of nutrient reduction from agriculture should be to increase the efficiency of nutrient use by balancing nutrient inputs in feed and fertilizer with outputs in crops and animal

produce, as well as manage the concentration of nutrients in the soil. The four "Rs" of nutrient management are applying the right fertilizer source at the right rate at the right time and in the right place. It is not unusual for crops in fields or portions of fields to show nutrient deficiencies during periods of the growing season, even where an adequate NMP is followed. The fact that nutrients are applied does not necessarily mean they are available. Plants obtain most of their nutrients and water from the soil through their root system. Any factor that restricts root growth and activity has the potential to restrict nutrient availability and result in increased nutrient runoff.

Reducing nutrient loss in agricultural runoff may be brought about by source and transport control measures, such as filter strips or grassed waterways. The NMPs account for all inputs and outputs of nutrients to determine reductions. NMPs typically include the following measures:

- Review of aerial photography and soil maps.
- Regular soil testing to determine areas where adequate or excessive fertilization has taken place, monitor where nutrient buildup in soils occurs, and aid in determining fertilization maintenance requirements. Appropriate soils sampling and analysis techniques are described in the Illinois Agronomy Handbook (http://extension.cropsciences.illinois.edu/handbook/).
- Review of current and/or planned crop rotation practices.
- Establishment of yield goals and associated nutrient application rates, which can help minimize the potential for excessive buildup of phosphorus and reallocate phosphorus sources to fields or areas where the greatest agronomic benefits can be produced.
- Development of nutrient budgets with planned application rates, application methods, and timing and form of nutrient application.
- Identification of sensitive areas and restrictions on application when land is snow covered, frozen, or saturated.

Regional differences in phosphorus-supplying power are shown on Figure 8-4 of the Illinois Agronomy Handbook.[54] The differences were broadly defined primarily based on variability in parent material, degree of weathering, native vegetation, and natural drainages. For example, soils developed under forest cover appear to have more available subsoil phosphorus than those developed under grass. Soil test values are used to determine when buildup and maintenance of soil phosphorus is needed to supplement soils with low phosphorus-supplying power. Specific application amounts should be determined by periodic soil testing. Subsoil levels of phosphorus in the southern Illinois region may be rather high by soil test in some soils, but this is partially offset by conditions that restrict rooting.

It should be noted, however, that excessively high-phosphorus soil test levels should not be maintained. While soil test procedures were designed to predict where phosphorus was needed

[54] Fernandez, F.G., and R.G. Hoeft. Under revision. "Managing Soil pH and Crop Nutrients." Chapter 8 in *Illinois Agronomy Handbook*. Illinois Extension and Outreach Department of Crop Sciences. http://extension.cropsciences.illinois.edu/handbook/pdfs/chapter08.pdf

and not to predict environmental problems, the likelihood of phosphorus loss increases with high phosphorus test levels. Environmental decisions regarding phosphorus applications should include such factors as distance from a significant lake or stream, infiltration rate, slope, and residue cover. One possible problem with using soil test values to predict environmental problems is in sample depth. Normally, samples are collected to a 7-inch depth for predicting nutritional needs. For environmental purposes, it would often be better to collect the samples from a 1- or 2-inch depth, which is the depth that will influence phosphorus runoff. Another potential problem is variability in soil test levels within fields in relation to the dominant runoff and sediment-producing zones. Several fertilizer placement recommendations are described in the Illinois Agronomy Handbook. However, given the propensity of phosphorus to bind tightly to soil particles and subsequently enter streams through erosion, the deep fertilizer placement technique may be most appropriate in phosphorus impaired areas. Under the deep placement technique, the fertilizer is placed 4 to 8 inches deep into the soil rather than being spread near the surface.

Urban Fertilizer Restrictions: Runoff from urban areas may include phosphorus-based fertilizers applied to residential lawns, golf courses, and other surfaces. If used too close to a receiving water body, phosphorus present in stormwater runoff will enter the water body. Illinois has a statute in place that governs the use of phosphorus-based fertilizers in urban areas—the Lawn Care Products Application and Notice Act (415 Illinois Compiled Statutes 65). This act includes the following prohibitions for phosphorus-based fertilizers (see the act for limited exceptions):

- They shall not be applied to lawns unless it can be demonstrated by soil test that the lawn is lacking in phosphorus when compared against the standard established by the University of Illinois (see the act for exceptions).
- They shall not be applied to impervious surfaces.
- They shall not be applied within 3 feet of any water body if a spray, drop, or rotary spreader is used. If other equipment is used, the fertilizer may not be applied within 15 feet of a water body.
- They shall not be applied when the ground is frozen or saturated.
- Appropriate lawn markers for the application event and notifications to potentially affected adjacent properties are required.

9.4 Costing Estimates and Funding Opportunities

This section provides an overview of costing estimates and funding opportunity considerations that are important when evaluating the feasibility of implementing fecal coliform or phosphorus-reducing BMPs within the Kyte River watershed.

9.4.1 Best Management Practice Cost Estimates

Financial assistance for suggested BMPs are available through NRCS programs including the Environmental Quality Incentive Program (EQIP) and Conservation Stewardship Program (CSP). A summary of program payment rates for suggested BMPs are included in **Table 9-6**. Additional cost information for filter strips, riparian buffers, and wetlands are discussed in this section.

Table 9-6 Fiscal Year 2023 NRCS BMP Cost Data[1]

Practice	Component	Units	Program	Average Cost
329	No Till/Strip Till	Acre	CSP	$2.27
340	Cover Crops	Acre	CSP	$18.49
342	Critical Area Planting	Acre	CSP	$134.88
362	Diversions	Foot	EQIP	$13.26
391	Riparian Forest Buffer	Acre	EQIP	$1,103.90
393	Filter Strip	Acre	EQIP	$459.48
410	Grade Stabilization Structures (drop structures, spillways, and concrete block chute components)	Square foot	CSP	$9.53
410	Grade Stabilization Structure (embankments, rip rap and concrete chutes)	Cubic yard	CSP	$20.13
410	Grade Stabilization Structure (concrete dropbox with outlet pipe and inlet components)	Foot	EQIP	$73.55
412	Grassed Waterway Earthwork	Acre	CSP	$514.08
512	Pasture + Hayland Planting (applies to land not in pasture or hayland within the past 5 years)	Acre	CSP	$43.20
590	Nutrient Management	Acre	CSP	$4.65
600	Terrace (broadbase and grassed terrace components)	Foot	EQIP	$3.55
600	Terrace (terrace and outlet components)	Acre	EQIP	$1,122.04
638	WASCOB (farmable and narrow base components)	Foot	EQIP	$3.89
638	WASCOB (base and topsoil components)	Cubic yard	EQIP	$3.04
656	Constructed Wetland (plantings and earthwork)	Acre	EQIP	$8,054.13
657	Wetland Restoration	Acre	EQIP	$6,080.10
658	Wetland Creation	Acre	EQIP	$3,678.71
659	Wetland Enhancement	Acre	EQIP	$6,450.61

Note:

[1] NRCS. Payment Schedules – Illinois. https://www.nrcs.usda.gov/conservation-basics/conservation-state/illinois/payment-schedule

Filter Strips and Riparian Buffers: Several types of filter strip practices are available, including areas for native herbaceous vegetation and areas of introduced species, each available with or without fertility measures required. Filter strip implementation that includes seedbed preparation and native seed application ranges from $520 per acre to $639 per acre depending on the type used, with an average cost of approximately $594 per acre.

Riparian buffers consisting of bare-root shrubs cost approximately $1.10 to $1.65 per shrub, while direct seeding of trees and/or shrubs costs approximately $741 per acre. The direct seeding scenario includes a planting rate of approximately 3,000 to 4,800 seeds per acre, as well as the foregone income for the land taken out of crop production. Land preparation, including removing

undesirable vegetation and improving site conditions, is estimated at $38 per acre. For cases where an herbaceous cover is preferable, such as native grass or certain species of forbs and/or shrubs, costs average $642 per acre.

Wetlands: The price to establish a wetland is site-specific and depends on factors such as size and type of vegetation used. Costs associated with constructed wetlands include excavation, vegetation removal, and revegetation. Costs for wetlands created on a flat-mineral uplands where surface runoff may be intercepted and ponded by excavation range from $3,186 (no embankment) to $3,680 (with embankment). Some areas may favor a wetlands setting that just needs to be enhanced or restored. In an area of natural depression fed by surface runoff, enhancement/restoration is approximately $2,557 per acre.

Enhancing or restoring a wetland on a floodplain site that has existing levees and/or ditches may consist of regrading or shaping the land, potentially including levee removal, for $1,167 per acre. Constructed wetlands to reduce the pollution potential of runoff and wastewater average $7,725 per acre where natural regeneration of wetland plants will be a major contributor to the working vegetation, and $10,286 per acre where wetland vegetation in the pool area is planted at a denser grid (3-foot by 3-foot or closer). As needed, embankments, water control and grade stabilization structures, and filter strips should be added.

9.4.2 Project Funding

Cost-share and incentive programs at the state and federal level are available to landowners, homeowners, and farmers in the watershed to help offset costs of implementing many of the BMPs recommended in this report. Some of these programs are discussed below. When reviewing the programs, it should be noted that some of the programs are only meant to provide incentives to encourage operators or landowners to try the practice. These incentive programs are not intended to cover the entire cost associated with implementing a practice. Additionally, some practices have many variables to consider that will affect both the cost of the program and the incentive or cost-share amount to be received (e.g., NMPs).

9.4.2.1 State-Level Funding

State-level programs to encourage landowners to implement resource-conserving practices for water quality and erosion control purposes are discussed in the following paragraphs. Local county representatives can provide for more information about available state funding opportunities (**Table 9-7**).

Table 9-7 Local SWCD, NRCS, and Farm Service Agency Contact Information

County	Address	Phone	Contact
Lee	319 S Mason Ave Amboy, IL 61310-1817	(815) 857-3621 Ext. 3	Eric R. Peitz District Conservationist
De Kalb	1350 West Prairie Drive Sycamore, IL 60178	(815) 732-3234	Aaron Seim District Conservationist
Ogle	1213 Pines Rd Oregon, IL 61061	(815) 732-3234	Aaron Seim District Conservationist

IDA and Illinois EPA NMP Project: The IDA and Illinois EPA co-sponsor a cropland NMP project in watersheds that have developed or are developing TMDLs. This voluntary project supplies incentive payments to producers to have NMPs developed and implemented. Additionally, watersheds that have sediment or phosphorus identified as a cause for impairment (as is the case in this watershed) are eligible for cost-share assistance in implementing traditional erosion control practices through the NMP project.

Partners for Conservation Program: The Partners for Conservation Program (PFC)[55] provides cost sharing on a variety of practices such as no till systems, WASCOBs, pasture/hayland establishment, critical area planting, cover crops, temporary cover (if added to another practice to extend the construction season), filter strips, rain gardens, terrace systems, diversions, well decommissioning, NMPs, and grade stabilization structures. The PFC is funded through the IDA and administered by the local SWCDs. Life/maintenance contracts can be 1 to 10 years in duration depending on the practice; costs per acre vary significantly from project to project.

Soils and Water Conservation District Grants Program: SWCDs assist local landowners improve their natural resource management practices by providing technical assistance and grants that support soil conservation, water quality protection, wetland management, flood control, soil erosion control at urban construction sites, stream bank stabilization, recycling, soil interpretation, land use and site suitability, and conservation education.[56]

Division of Forestry Resources Forestry Assistance Program: Resources are available through the Rural Forest Landowner Assistance and Urban and Community Forestry Programs to help private landowners and cities, respectively, address forest stewardship practices.[57]

Green Infrastructure Grant Opportunities: Illinois EPA provides funding through the Green Infrastructure Grant Opportunities (GIGO) program for water quality improvement projects that decrease stormwater runoff. Examples of eligible projects include grassed waterways, permeable pavement, and downspout disconnection. The GIGO program offers up to $2,500,000 per funding cycle, with a minimum grant of $75,000. The program is a reimbursement program where Illinois EPA issues reimbursement for eligible costs expended after project implementation.[58]

Illinois Green Infrastructure Grant Program for Stormwater Management: The Illinois Green Infrastructure Grant Program for Stormwater Management provides funding to local government entities and organizations to implement green infrastructure practices that control stormwater runoff to protect water quality. Practices such as permeable pavements and other urban BMPs are eligible for funding.[59]

Water Pollution Control Loan Program: Illinois EPA helps local public or private entities implement wastewater and stormwater projects through the Water Pollution Control Loan Program State Revolving Fund loan program. Funding through this program is appropriated annually and combines federal capitalization funding with state matching funds, interest

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[55] IDNR. 2023a. https://dnr.illinois.gov/conservation/pfc.html
[56] IDNR. 2023b. https://dnr.illinois.gov/conservation/crep.html
[57] IDNR.2023c. https://dnr.illinois.gov/conservation/forestry/forestry-assistance-program.html
[58] Illinois EPA. 2023. https://epa.illinois.gov/topics/grants-loans/water-financial-assistance/gigo.html
[59] Illinois EPA. 2023.

earnings, repayment money, and the sale of bonds to form a source of financing for infrastructure projects. Eligible projects include new or upgraded wastewater infrastructure construction, stormwater-related projects that benefit water quality, and a variety of other projects that improve the quality of Illinois' rivers, streams, and lakes. More information is available at Green Infrastructure (illinois.gov).

9.4.2.2 Federal Funding

There are several voluntary conservation programs established by various federal agencies that encourage landowners to implement resource-conserving practices for water quality and erosion control purposes. These programs apply to crop fields as well as rural grasslands that are presently used for livestock grazing.

Federal-level programs are discussed in the paragraphs that follow. EPA manages CWA Section 319 grants. The Farm Service Agency (FSA) oversees the Conservation Reserve Program (CRP) and the Grasslands Reserve Program (GRP). Voluntary conservation programs established through the 2018 U.S. Farm Bill and managed by NRCS include the Agricultural Conservation Easement Program (ACEP), the CSP, and the EQIP.

CWA 319 Grants: Section 319 was added to the CWA to establish a national program to address nonpoint sources of water pollution. Through this program, each state is allocated Section 319 funds on an annual basis according to a national allocation formula based on the total annual appropriation for the Section 319 grant program. The total award consists of two categories of funding: incremental funds and base funds. A state is eligible to receive EPA 319(b) grants upon EPA approval of the state's nonpoint source assessment report and nonpoint source management program. States may reallocate funds through subawards (e.g., contracts, subgrants) to both public and private entities, including local governments, tribal authorities, cities, counties, regional development centers, local school systems, colleges and universities, local nonprofit organizations, state agencies, federal agencies, watershed groups, for-profit groups, and individuals.

EPA designates incremental funds, a $178-million award in 2022, for the restoration of impaired water through the development and implementation of WBPs and TMDLs for impaired waters. Base funds (funds other than incremental funds) are used to provide staffing and support to manage and implement the state nonpoint source management program. Section 319 funding can be used to implement activities that improve water quality such as filter strips and streambank stabilization.[60]

Illinois EPA receives federal funds through Section 319(h) of the CWA to help implement the Illinois Nonpoint Source Pollution Management Program. The purpose of the program is to work cooperatively with local units of government and other organizations toward the mutual goal of protecting the quality of water in Illinois by controlling nonpoint source pollution. The program emphasizes funding for implementing cost-effective corrective and preventative BMPs on a watershed scale; funding is also available for BMPs on a nonwatershed scale and for the development of information/education nonpoint source pollution control programs.

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[60] Kovosic, D.A., M.B. David, L.E. Gentry, K.M. Starks, and R.A. Cooke. 2000. "Effectiveness of Constructed Wetlands in Reducing N and P Export from Agricultural Tile Drainage." *Journal of Environmental Quality*. 29:1262–1274.

The maximum federal funding available is 60 percent of the total cost, with the remaining 40 percent coming from local match. The program period is 2 years unless otherwise approved. This is a reimbursement program. Section 319(h) funds are awarded for the purpose of implementing approved nonpoint source management projects. The funding will be directed toward activities that result in the implementation of appropriate BMPs for the control of nonpoint source pollution or to enhance the public's awareness of nonpoint source pollution. Applications are accepted June 1 through August 1.

Conservation Reserve Program: The CRP is a voluntary program, administered through the FSA, which encourages landowners to agree to remove environmentally sensitive land from agricultural production and plant long-term resource-conserving cover to improve water quality, prevent soil erosion, and reduce loss of wildlife habitat. The program was initially established in the Food and Security Act of 1985 and is the largest private-lands conservation program in the United States.

Participants can enroll in CRP in two ways and the duration of the contracts under CRP range from 10 to 15 years. The first enrollment method is through a competitive process known as the CRP General Sign-Up. These are announced on a periodic basis by the U.S. Secretary of Agriculture but do not occur on any fixed schedule. The second enrollment method is through CRP Continuous Sign-Up, which is offered on a continuous basis. Continuous sign-up provides management flexibility to farmers and ranchers to implement certain high-priority conservation practices on eligible land. All enrollment offers are processed through the local FSA office. Certain conditions must be met for land to be eligible for CRP enrollment. These conditions include the following:

- The farmer applying for enrollment must have owned or operated the land for at least 12 months prior to the previous CRP sign-up period (except in cases of a change in ownership because of the previous owner's death, foreclosure, or land purchase by the new owner without the sole intention of placing it in the CRP).
- Cropland that is planted or considered planted to an agricultural commodity for four of the six most recent crop years (including field margins) and must be physically and legally capable of being planted in a normal manner to an agricultural commodity.
- Certain marginal pastureland suitable for use as any of the following conservation practices: buffer for wildlife habitat, wetlands buffer or restoration, filter strips, riparian buffer, grass waterway, shelter belt, living snow fence, contour grass strip, salt tolerant vegetation, or shallow water area for wildlife.

In addition to the eligible land requirements, cropland must meet one of the following criteria:

- Have a weighted-average erosion index of 8 or higher
- Be expiring CRP acreage
- Be in a national or state CRP conservation priority area

The FSA bases rental rates on the relative productivity of soils within each county and the average dryland cash rent or cash-rent equivalent. The maximum rental rate for each offer is calculated in advance of enrollment. Producers may offer land at the maximum rate or at a lower rental rate to increase likelihood of offer acceptance. In addition, the FSA provides cost-share assistance for up to 50 percent of the participant's costs in establishing approved conservation practices. CRP annual rental payments may include an additional amount up to $2 per acre per year as an incentive to perform certain maintenance obligations (up to $7 for certain continuous sign-up practices).

Finally, the FSA offers additional financial incentives for certain continuous sign-up practices. Signing Incentive Payment is a one-time incentive payment of $10 per acre for each acre enrolled for each full year of the contract. Eligible practices include field windbreaks; grassed waterways; shelter belts; living snow fences; filter strips; riparian buffers; marginal pastureland wildlife and wetland buffers; bottom timber establishment; field borders; longleaf pine establishment; duck nesting habitat; State Acres for Wildlife Enhancement buffers, wetlands, trees, longleaf pine, and grass; pollinator habitat; and several wetlands practices. The Performance Incentive Payment is a one-time incentive payment made to participants who enroll land in CRP to be dedicated to all continuous sign-up practices except establishment of permanent vegetative cover on terraces, wetland restoration (including nonfloodplain), bottomland timber establishment, and duck nesting habitat.

The maximum annual noncost-share payment that an eligible person can receive under the CRP is $50,000 per fiscal year. This is a separate payment limitation applying only to the CRP noncost-share payment.

Grassland Reserve Program: The purpose of the GRP, administered by the FSA, is to prevent grazing and pasture land from being converted into cropland, used for urban development, or developed for other nongrazing uses. Participants in the program voluntarily limit future development of the land while still being able to use the land for livestock grazing and activities related to forage and seed production. Some restrictions on activities may apply during the nesting season of certain bird species that are in decline or protected under federal or state law.

The GRP has several enrollment options, including a rental contract for 10, 15, or 20 years or enrolling the land in a conservation easement for an indefinite period of time. Applications are accepted any time and are processed through the local FSA office. To be eligible for a rental agreement, the applicant must own or have control of the land for the length of the contract. To enroll in a conservation easement, the applicant must own and be willing to restrict use of the land either in perpetuity or under the maximum length of time under state law. Persons enrolled in GRP receive an annual rental payment for their enrolled acres. Further information about the program, including payment amounts, eligibility and maintenance criteria, and land requirements may be obtained from the local FSA office.

Agricultural Conservation Easement Program: The ACEP provides financial and technical assistance to help conserve agricultural lands and wetlands and their related benefits. Under the Agricultural Land Easements component, NRCS helps American Indian tribes, state and local governments, and nongovernmental organizations protect working agricultural lands and limit nonagricultural uses of the land. Land protected by agricultural land easements provides

additional public benefits, including environmental quality, historic preservation, wildlife habitat, and protection of open space. Under the Wetlands Reserve Easements component, NRCS helps to restore, protect, and enhance enrolled wetlands. Wetland Reserve Easements provide habitat for fish and wildlife (including threatened and endangered species) improve water quality by filtering sediments and chemicals, reduce flooding, recharge groundwater, protect biological diversity, and provide opportunities for educational, scientific, and limited recreational activities.

- Agricultural Land Easements: NRCS provides financial assistance to eligible partner's purchase Agricultural Land Easements that protect the agricultural use and conservation values of eligible land. In the case of working farms, the program helps farmers and ranchers keep their land in agriculture. The program also protects grazing uses and related conservation values by conserving grassland, including rangeland, pastureland, and shrubland. Land eligible for agricultural easements includes cropland, rangeland, grassland, pastureland and nonindustrial private forest land. NRCS will prioritize applications that protect agricultural uses and related conservation values of the land and those that maximize the protection of contiguous acres dedicated to agricultural use.

  To enroll land through agricultural land easements, NRCS enters into cooperative agreements with eligible partners. Each easement is required to have an agricultural land easement plan that promotes the long-term viability of the land. Under the Agricultural Land component, NRCS may contribute up to 50 percent of the fair market value of the agricultural land easement. Where NRCS determines that grasslands of special environmental significance will be protected, NRCS may contribute up to 75 percent of the fair market value of the agricultural land easement.

- Wetland Reserve Easements: NRCS also provides technical and financial assistance to restore, protect, and enhance wetlands through the purchase of a wetland reserve easement. These agreements include the right for NRCS to develop and implement a wetland reserve restoration easement plan to restore, protect, and enhance the wetland's functions and values. Land eligible for wetland reserve easements includes farmed or converted wetland that can be successfully and cost-effectively restored. NRCS will prioritize applications based the easement's potential for protecting and enhancing habitat for migratory birds and other wildlife. For acreage owned by an Indian tribe, there is an additional enrollment option of a 30-year contract. Through the wetland reserve enrollment options, NRCS may enroll eligible land through one of the following:

  - Permanent Easements – These are conservation easements in perpetuity. NRCS pays 100 percent of the easement value for the purchase of the easement. Additionally, NRCS pays between 75 to 100 percent of the restoration costs.

  - 30-Year Easements – These expire after 30 years. Under 30-year easements, NRCS pays 50 to 75 percent of the easement value for the purchase of the easement. Additionally, NRCS pays between 50 to 75 percent of the restoration costs.

- Term Easements – Term easements are easements made for the maximum duration allowed under applicable State laws. NRCS pays 50 to 75 percent of the easement value for the purchase of the term easement. Additionally, NRCS pays between 50 to 75 percent of the restoration costs.

- 30-Year Contracts – 30-year contracts are only available to enroll acreage owned by Indian tribes, and program payment rates are commensurate with 30-year easements.

For wetland reserve easements, NRCS pays all costs associated with recording the easement in the local land records office, including recording fees, charges for abstracts, survey and appraisal fees, and title insurance.

Wetland Reserve Enhancement Partnership: The Wetland Reserve Enhancement Partnership (WREP) as an enrollment option under ACEP. WREP continues to be a voluntary program through which NRCS signs agreements with eligible partners to leverage resources to carry out high priority wetland protection, restoration, and enhancement and to improve wildlife habitat. Partner benefits through WREP agreements include:

- Wetland restoration and protection in critical areas

- Ability to cost share restoration or enhancement beyond NRCS requirements through leveraging

- Ability to participate in the management or monitoring of selected project locations.

- Ability to use innovative restoration methods and practices.

For 2023, NRCS announced $20 million available in financial and technical assistance to help eligible conservation partners leverage local resources to voluntarily protect, restore, and enhance critical wetlands on private and tribal agricultural land nationwide.[61] The funding is provided through the WREP, a special enrollment option under the ACEP. Proposals for funding must be limited to $5 million and were due by August 15, 2021, with funding announcements released in October 2021. Landowners should check with their local NRCS state office to see about applying in future years. To enroll land eligible partners may submit proposals to the local NRCS office.

Conservation Stewardship Program: The CSP helps agricultural producers maintain and improve their existing conservation systems and adopt additional conservation activities to address priority resources concerns. Participants earn CSP payments for conservation performance—the higher the performance, the higher the payment.

Through the CSP, participants take additional steps to improve resource conditions including soil quality, water quality and quantity, air quality, habitat quality, and energy. CSP provides two types of payments through 5-year contracts: annual payments for installing new conservation activities and maintaining existing practices; and supplemental payments for adopting a resource-conserving crop rotation. Producers may be able to renew a contract if they have

[61] NRCS. WREP Announcement for Fiscal Year 2023. USDA-NRCS Fiscal Year (FY) 2023 Wetland Reserve Enhancement Partnership (WREP) Announcement of Funding, Proposal Requirements and Review Criteria

successfully fulfilled the initial contract and agree to achieve additional conservation objectives. Payments are made soon as practical after October 1 of each fiscal year for contract activities installed and maintained in the previous year.

Eligible lands include private and Tribal agricultural lands, cropland, grassland, pastureland, rangeland and nonindustrial private forest land. CSP is available to all producers, regardless of operation size or type of crops produced, in all 50 states, the District of Columbia, and the Caribbean and Pacific Island areas. Applicants may include individuals, legal entities, joint operations, or Indian tribes that meet the stewardship threshold for at least two priority resource concerns when they apply. They must also agree to meet or exceed the stewardship threshold for at least one additional priority resource concern by the end of the contract. Producers must have effective control of the land for the term of the proposed contract, which include all eligible land in the agricultural operation. Some additional restrictions and program requirements may apply and interested applicants should contact the local NRCS office for more information.

EQIP: EQIP is a voluntary program that provides financial and technical assistance to agricultural producers to plan and implement conservation practices that improve soil, water, plant, animal, sir, and related natural resources on agricultural land and nonindustrial private forestland. Through EQIP, NRCS develops contracts with agricultural producers to implement conservation practices to address environmental natural resource problems. Persons engaged in livestock or agricultural production and owners of nonindustrial private forestland are eligible for the program. Eligible land includes cropland, rangeland, pastureland, private nonindustrial forestland, and other farm or ranch lands. Eligible applicants must, at a minimum, meet the following criteria; additional program requirements may apply:

- Be agricultural producer (person, legal entity, or joint operation who has an interest in the agricultural operation, or who is engaged in agricultural production or forestry management).
- Control or own eligible land.
- Comply with adjusted gross income for less than $900,000. Federally recognized Native American Indian tribes or Alaska Native corporations are exempt from the adjusted gross income payment limitations.
- Be in compliance with the highly erodible land and wetland conservation requirements.
- Develop an NRCS EQIP plan of operations that addresses at least one natural resource concern.

Persons interested in entering into a cost-share agreement with NRCS for EQIP assistance may file an application at any time; however, each state may establish deadlines for one or more application periods in which to consider eligible applications for funding. Applications submitted after the deadlines will be evaluated and considered for funding during later funding opportunities.

As part of the program, a conservation activity plan can be developed for producers to address a specific natural resource concern on their agricultural operation. Each plan is developed by a

certified technical service provider who is selected by the EQIP participant. Technical assistance payments for technical service providers do not count against the financial assistance aggregate payment limitation or the contract financial assistance payment limitation. The plan becomes the basis of the EQIP contract between NRCS and the participant, and the contracts can be up to 10 years in duration. Financial assistance payments are made to eligible producers once conservation practices are completed according to NRCS requirements. Payment rates are set for each fiscal year and are attached to the EQIP contract when it is approved.

Historically underserved producers (limited resource farmers/ranchers, beginning farmers/ranchers, socially disadvantaged producers, Indian tribes, and veteran farmer or ranchers) who self-certify on Form NRCS-CPA-1200, Conservation Program Application, are eligible for a higher practice payment rate to support implementation of contracted conservation practices and activities. Historically underserved producers may also be issued advance payments up to 50 percent of the established payment rate to go toward purchasing materials or contracting services to begin the installation of approved conservation practices. Self-certified socially disadvantaged farmer/rancher, beginning farmer/rancher, and veteran farmer/rancher producers may elect to be evaluated in special EQIP funding pools. More information can be obtained from the local NRCS office.

EQIP provides payments up to 75 percent of the incurred costs and 100 percent estimated income foregone of certain conservation practices and activities. Conservation practices eligible for EQIP funding that are recommended BMPs for this watershed TMDL include filter strips, conservation tillage, grade stabilization structures, grass waterways, riparian buffers, streambank/shoreline protection, terraces, and wetland restoration.

Farmer to Farmer Program: The Farmer to Farmer Program is a potential funding source from EPA that is dependent upon future funding. Funding is available to improve water quality, habitat, resilience, and environmental education through the demonstration of innovative practices on working agricultural lands. The project supports farmer-led or farm-focused organizations in the Gulf of Mexico watershed, which includes the Wabash River watershed.

Regional Conservation Partnership Program: The Regional Conservation Partnership Program (RCPP) is a stand-alone USDA program funded at $300 million annually. The RCPP website states that the program "promotes coordination of NRCS conservation activities with partners that offer value-added contributions to expand our collective ability to address on-farm, watershed, and regional natural resource concerns. Through RCPP, NRCS seeks to co-invest with partners to implement projects that demonstrate innovative solutions to conservation challenges and provide measurable improvements and outcomes tied to the resource concerns they seek to address." Information on eligibility, project types, funding, and how to apply can be found at https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/rcpp/.

9.4.3 Planning Level Cost Estimates for Implementation Measures

Cost estimates for different implementation measures are presented in **Table 9-8**. Financial assistance for BMPs is available through NRCS programs including the EQIP and CSP. A summary of program payment rates for BMPs are included below. The column labeled "Program" lists the

financial assistance program available for various BMPs (as discussed in Section 9.13). Illinois EPA 319 grants are applicable to all of the practices.

Table 9-8 Cost Estimates of Various Best Management Practice Measures[1]

Code	Practice	Units	Average Cost	Program
329	No Till/Strip Till	Acre	$2.27	CSP
340	Cover Crops	Acre	$18.49	CSP
342	Critical Area Planting	Acre	$134.88	CSP
362	Diversions	Foot	$13.26	EQIP
391	Riparian Forest Buffer	Acre	$1,103.90	EQIP
393	Filter Strip	Acre	$459.48	EQIP
410	Grade Stabilization Structures (drop structures, spillways, and concrete block chute components)	Square foot	$9.53	CSP
410	Grade Stabilization Structure (embankments, rip rap and concrete chutes)	Cubic yard	$20.13	CSP
410	Grade Stabilization Structure (concrete dropbox with outlet pipe and inlet components)	Foot	$73.55	EQIP
412	Grassed Waterway Earthwork	Acre	$514.08	CSP
512	Pasture + Hayland Planting (applies to land not in pasture or hayland within the past 5 years)	Acre	$43.20	CSP
590	Nutrient Management	Acre	$4.65	CSP
600	Terrace (broadbase and grassed terrace components)	Foot	$3.55	EQIP
600	Terrace (terrace and outlet components)	Acre	$1,122.04	EQIP
638	WASCOB (farmable and narrow base components)	Foot	$3.89	EQIP
638	WASCOB (base and topsoil components)	Cubic yard	$3.04	EQIP
656	Constructed Wetland (plantings and earthwork)	Acre	$8,054.13	EQIP
657	Wetland Restoration	Acre	$6,080.10	EQIP
658	Wetland Creation	Acre	$3,678.71	EQIP
659	Wetland Enhancement	Acre	$6,450.61	EQIP
NA	Septic System Maintenance	Per event	$250–$3,350	NA

Note:

[1] NRCS. WREP Announcement for Fiscal Year 2023. USDA-NRCS Fiscal Year (FY) 2023 Wetland Reserve Enhancement Partnership (WREP) Announcement of Funding, Proposal Requirements and Review Criteria

NA – not applicable

9.5 Information and Education

Public outreach and education campaigns that support TMDL implementation plans include a holistic approach that considers more than just water quality problems within a watershed. Stakeholder engagement and cooperation improves when outreach strategies also address broader stakeholder concerns such as water supply availability and aesthetics. Watershed plans that incorporate this holistic approach are more successful in changing social behaviors and implementing multibenefit BMPs that help with attaining water quality standards while also protecting other important resources such as drinking water sources, agricultural resources, forests and rangeland, and parks and open space.

Additionally, implementation plans are usually more successful if stakeholders are brought in early in planning and have the opportunity to share their concerns. Transparency throughout planning and implementation encourages continued support and a higher likelihood of participation in developing management options and supporting implementation of BMPs.

Small incremental improvements and individual adoption of BMPs can be achieved at a much lower cost compared to large-scale BMPs implemented watershed-wide. Outreach and education efforts focused on activities that support the watershed plan goals, include:

- Continued regular meetings of local stakeholder groups with the intent of broadening audience attendance
- Holding field visit days with demonstrations of agricultural conservation practices
- Continued outreach and messaging to landowners to encourage implementation of edge of field BMPs, nutrient management, conservation tillage, cover crops, and livestock/pasture management
- Soil testing
- Reducing the use of lawn chemicals (pesticides and phosphorus fertilizers)
- Education/outreach for rural residences on proper septic system maintenance and pet waste management
- Periodic updates on watershed health/monitoring results

A virtual public meeting was held for the watershed in June 2021 to present Stage 1 TMDL development, with an additional meeting held in January 2024 to present Stage 3 of TMDL development. Feedback received from stakeholders and the county SWCD staff in attendance was incorporated throughout this plan to include local information and discuss BMPs that are thought to be most effective and implementable in this watershed. Additional activities to support public outreach and education include:

- Websites and social media to publicize meetings, upcoming events and links to resources
- Email updates
- Brochures or fact sheets with information on household pollutant reduction, fertilizer use, and proper septic tank maintenance
- Educational signs, school visits, or participation in local events such as the CWA anniversary celebration to educate the public on water quality issues, the purpose of BMPs, and environmental stewardship
- Public service announcements
- Informational meetings on state and federal cost-share programs

- Watershed group development through the University of Illinois College of Agricultural and Consumer Economics Extension office

9.6 Milestones and Success Criteria

The primary objective of this plan is to improve water quality conditions in impaired stream segments within the Kyte River watershed. In support of this primary objective, ongoing involvement of stakeholders and community members to participate in BMPs described herein is also crucial to achieving water quality improvement within the watershed. **Table 9-9** provides a breakdown of the milestones and supporting success criteria used to assess the effectiveness of implementation plan actions.

Table 9-9 Plan Milestone Objectives and Success Criteria

Milestone Objective	Success Criteria
Water quality improvement	Reduce TP levels to meet the calculated TMDLs presented in Section 8
	Reduce fecal coliform levels to meet calculated TMDLs presented in Section 8
	Increase in no till or reduced till farming
	Increase in buffer areas around agricultural lands or impaired waterways (e.g., riparian buffers, filter strips, grassed waterways)
	Secure funding for identified near-term and mid-term BMP projects
	Delisting of impaired stream segments
Stakeholder involvement	Initiate regularly scheduled meetings of Kyte River watershed stakeholder groups
	Increased traffic on social media platforms and websites
	Increased participation in grass-roots outreach activities, including information sharing at local schools
	Increased participation and funding from local municipalities toward watershed improvement and protection activities
	Secure funding for priority stakeholders to implement BMPs on their property

9.7 Plan Monitoring and Schedule

Successful plan implementation relies on establishing a plan schedule that tracks progression toward achieving established milestones and success criteria. The following subsections provide an overview of a monitoring plan and plan schedule for achieving established milestone objectives. Stakeholders should evaluate schedule/milestone progress on an annual basis and implement adaptive management to modify management measures, milestones, and schedule as necessary.

9.7.1 Monitoring Plan

The purpose of the monitoring plan is to assess the overall implementation of the management actions outlined above. This can be accomplished by conducting the monitoring programs designed to:

- Track implementation of BMPs in the watershed
- Estimate the effectiveness of BMPs

- Further monitor point source discharges in the watershed
- Continue monitoring impaired stream segments and tributaries
- Monitor storm-based, high-flow events
- Monitor low-flow monitoring of TP throughout the watershed

Tracking the implementation of management measures will:

- Determine the extent to which management measures and practices have been implemented compared to action needed to meet the TMDL endpoints
- Establish a baseline from which decisions can be made regarding the need for additional incentives for implementation efforts
- Measure the extent of voluntary implementation efforts
- Support work-load and costing analysis for assistance or regulatory programs
- Determine the extent to which management measures are properly maintained and operated

Monitoring before and after a BMP is incorporated into the watershed will establish the effectiveness of load reduction of the BMPs. Inflow and outflow measurements should be used to determine site-specific removal efficiency.

Illinois EPA conducts Intensive Basin Surveys every 5 years. Additionally, select ambient sites are monitored nine times a year. Continuation of this state monitoring program will assess stream water quality as improvements in the watershed are completed. This data will also be used to assess whether water quality standards in the impaired segments are being attained.

9.7.2 Implementation Schedule

Table 9-10 below identifies an implementation schedule for meeting plan milestones. Implementation of the management actions outlined in this section will occur in phases, often over the course of several years, with effectiveness assessments made as improvements are completed. The process of obtaining funding and developing and implementing projects designed to improve water quality, can take months or years to complete and once in place, improvements in water quality, as a result of BMPs, may not be detectable for several years. Continued monitoring and reevaluation of the implementation measures during this time will allow for more expedient adjustment to BMP implementation measures that may result in earlier attainment of water quality targets.

Table 9-10 Implementation Schedule

Milestone Objective	Schedule Category	Description	Recommended Schedule
Water quality improvement	Assess existing BMPs	Assess existing BMPs within the watershed for effectiveness	Short term (1–5 years)
	Monitoring	Monitor the results of pilot studies to measure success and adapt/adjust to wider-scale implementation	Short term (1–5 years)
	Monitoring	Implement a monitoring plan	Continuous (1–20 years)
	Implement identified near-term projects	Work with local SWCD to use TMDL priority to secure funding and implement "ready-to-go" projects	Short term (1–5 years)
	Implement larger projects	Implement larger projects that require multiple funding sources and stakeholders	Mid-term (5–10 years)
	Erosion control measures	Work with the local SWCD to identify areas throughout the watershed where no till or reduced till practices would be beneficial to reducing TP loads in DO-impaired watersheds	Mid-term (5–10 years)
	Nonpoint-source controls	Work with SWCD to identify and fund projects throughout the watershed where buffers can be implemented around waterways or agricultural operations	Mid-term (5–10 years)
	Point-source controls	Have permits reviewed by Illinois EPA at time of renewal, which may result in new or revised limits, monitoring requirements, and/or compliance schedules	Mid-term (5–10 years)
Stakeholder involvement	Annual stakeholder meetings	Watershed stakeholder groups can hold annual meetings to gauge progress and discuss evolving needs and planned activities; conduct periodic self-assessments for members to evaluate the effectiveness of watershed groups and partnerships	Continuous (1–10 years)
	Funding	Develop grant applications and work with landowners to secure funding for implementing BMPs discussed in this plan	Short term (1–5 years)
	Education and outreach	Work with the local government and/or news media regularly to publish and distribute Kyte River watershed information on a variety of platforms	Short term (1–5 years)
	Education and outreach	Partner with Future Farmers of America to bring regular watershed programming to local high schools and to spread knowledge of watershed matters	Short term (1–5 years)
	Funding	Work with local municipalities to establish line items in their annual budgets allocated toward watershed improvement and protection projects	Short term (1–5 years)

Appendix A

Land Use Categories

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Appendix A
Land Use Categories

Table A-1 IL_CL-03 Land Use

Land Cover Category	Acres	Percent
Corn	59,889	48%
Soybeans	37,515	30%
Deciduous Forest	7,953	6.3%
Grass/Pasture	5,357	4.3%
Developed/Low Intensity	4,839	3.9%
Developed/Open Space	4,386	3.5%
Developed/Med Intensity	1,771	1.4%
Developed/High Intensity	925	0.7%
Winter Wheat	561	0.4%
Open Water	452	0.4%
Alfalfa	443	0.4%
Oats	390	0.3%
Woody Wetlands	385	0.3%
Other Hay/Non Alfalfa	312	0.2%
Barren	286	0.2%
Herbaceous Wetlands	127	0.1%
Peas	24	<0.1%
Shrubland	22	<0.1%
Evergreen Forest	15	<0.1%
Dbl Crop WinWht/Soybeans	6.4	<0.1%
Spring Wheat	4.5	<0.1%
Fallow/Idle Cropland	4.4	<0.1%
Sod/Grass Seed	2.7	<0.1%
Sorghum	2.6	<0.1%
Pumpkins	1.2	<0.1%
Cabbage	1.1	<0.1%
Switchgrass	0.6	<0.1%
Mixed Forest	0.4	<0.1%
Christmas Trees	0.2	<0.1%
Rye	0.1	<0.1%

Table A-2 IL_PLB-C1 Land Use

Land Cover Category	Acres	Percent
Corn	534	58%
Soybeans	111	12%
Developed/Low Intensity	107	12%
Developed/Med Intensity	57	6.2%
Grass/Pasture	48	5.2%
Developed/Open Space	28	3.1%
Developed/High Intensity	18	2.0%
Open Water	6.8	0.7%
Deciduous Forest	3.4	0.4%

Appendix B

Soil Characteristics

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Appendix B

Soil Characteristics

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Drummer silty clay loam, 0 to 2 percent slopes	B/D	0.33	14,755.3	11.7%
Elburn silt loam, 0 to 2 percent slopes	B/D	0.34	11,584.2	9.2%
Jasper loam, 2 to 5 percent slopes	B	0.3	7,684.3	6.1%
Selma loam, 0 to 2 percent slopes	B/D	0.26	5,154.6	4.1%
Elpaso silty clay loam, 0 to 2 percent slopes	B/D	0.34	3,939.7	3.1%
Comfrey loam, 0 to 2 percent slopes, frequently flooded	B/D	0.34	3,813.0	3.0%
La Hogue loam, 0 to 2 percent slopes	B/D	0.23	3,710.5	3.0%
Flanagan silt loam, 0 to 2 percent slopes	C/D	0.39	2,990.1	2.4%
Jasper loam, 0 to 2 percent slopes	B	0.35	2,895.5	2.3%
Saybrook silt loam, 2 to 5 percent slopes, eroded	C	0.37	2,849.8	2.3%
Wyanet silt loam, 2 to 5 percent slopes, eroded	C	0.43	2,784.3	2.2%
Catlin silt loam, 2 to 5 percent slopes	C	0.36	2,707.3	2.2%
Plano silt loam, 2 to 5 percent slopes	B	0.34	2,655.4	2.1%
Dunham silty clay loam, 0 to 2 percent slopes	B/D	0.27	2,528.6	2.0%
Wyanet silt loam, 2 to 5 percent slopes	C	0.43	2,458.6	2.0%
Hooppole loam, 0 to 2 percent slopes	B/D	0.18	2,064.5	1.6%
Ashdale silt loam, 2 to 5 percent slopes	B	0.39	2,051.2	1.6%
Saybrook silt loam, 2 to 5 percent slopes	C	0.36	1,880.6	1.5%
Wyanet silt loam, 5 to 10 percent slopes, eroded	C	0.43	1,842.9	1.5%
Martinsville silt loam, 2 to 5 percent slopes	B	0.34	1,665.5	1.3%
Rockton silt loam, 2 to 5 percent slopes	C	0.25	1,620.8	1.3%
Griswold loam, 2 to 4 percent slopes	B	0.27	1,519.1	1.2%
Waupecan silt loam, 0 to 2 percent slopes	B	0.34	1,461.6	1.2%
Plano silt loam, 0 to 2 percent slopes	B	0.34	1,442.7	1.1%
Odell silt loam, 0 to 2 percent slopes	C/D	0.38	1,415.0	1.1%
Danabrook silt loam, 2 to 5 percent slopes	C	0.38	1,385.5	1.1%
Dickinson sandy loam, 2 to 5 percent slopes	A	0.17	1,308.4	1.0%
Orthents, loamy, nearly level	C	0.37	1,171.1	0.9%
Assumption silt loam, 2 to 5 percent slopes	C	0.32	1,161.5	0.9%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Dickinson sandy loam, loamy substratum, 1 to 5 percent slopes	A	0.24	1,068.2	0.9%
Ogle silt loam, 2 to 5 percent slopes	B	0.39	1,041.0	0.8%
Muscatune silt loam, 0 to 2 percent slopes	B/D	0.42	1,001.4	0.8%
La Rose silt loam, 5 to 10 percent slopes, eroded	C	0.4	910.6	0.7%
Osco silt loam, 2 to 5 percent slopes	B	0.41	908.0	0.7%
Harpster silty clay loam, 0 to 2 percent slopes	B/D	0.37	867.2	0.7%
Atkinson silt loam, 2 to 5 percent slopes	C	0.28	803.1	0.6%
Grundelein silt loam, 0 to 2 percent slopes	B/D	0.24	781.1	0.6%
Blackberry silt loam, 2 to 5 percent slopes	C	0.4	771.0	0.6%
Sidell silt loam, 2 to 5 percent slopes	B	0.36	692.9	0.6%
Sable silty clay loam, 0 to 2 percent slopes	B/D	0.38	633.7	0.5%
Blackberry silt loam, 0 to 2 percent slopes	C	0.41	623.6	0.5%
Hitt sandy loam, 2 to 5 percent slopes	B	0.25	574.2	0.5%
Griswold loam, 6 to 12 percent slopes, eroded	B	0.28	540.1	0.4%
Senachwine silt loam, 5 to 10 percent slopes, eroded	C	0.39	532.8	0.4%
Palsgrove silt loam, 2 to 6 percent slopes, moderately eroded	B	0.36	491.9	0.4%
Rockton silt loam, 5 to 10 percent slopes, eroded	C	0.27	472.9	0.4%
Catlin silt loam, 0 to 2 percent slopes	C	0.37	466.4	0.4%
Millbrook silt loam, 0 to 2 percent slopes	C/D	0.35	448.1	0.4%
Water	<Null>	<Null>	438.2	0.3%
St. Charles silt loam, 2 to 5 percent slopes	B	0.42	424.3	0.3%
Radford silt loam, 0 to 2 percent slopes, frequently flooded	B/D	0.45	422.4	0.3%
Saybrook silt loam, 5 to 10 percent slopes, eroded	C	0.37	406.4	0.3%
Fella silty clay loam, 0 to 2 percent slopes, occasionally flooded	B/D	0.37	398.9	0.3%
Osco silt loam, 0 to 2 percent slopes	B	0.41	398.9	0.3%
Kendall silt loam, 0 to 2 percent slopes	B/D	0.43	362.5	0.3%
Parkway silt loam, 5 to 10 percent slopes, eroded	B	0.43	350.9	0.3%
Palsgrove silt loam, 5 to 10 percent slopes, moderately eroded	B	0.36	348.8	0.3%
Jasper loam, 5 to 10 percent slopes, eroded	B	0.3	344.3	0.3%
Buckhart silt loam, 0 to 2 percent slopes	C	0.4	339.5	0.3%
Whalan loam, 5 to 10 percent slopes, eroded	C	0.33	337.7	0.3%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Kidder loam, 2 to 4 percent slopes	B	0.26	332.4	0.3%
Ashdale silt loam, 5 to 10 percent slopes, eroded	B	0.4	323.0	0.3%
Lamont sandy loam, 2 to 5 percent slopes	A	0.15	314.3	0.3%
Boone loamy fine sand, 15 to 35 percent slopes	A	0.09	309.3	0.2%
Parkway silt loam, 2 to 5 percent slopes	B	0.41	304.3	0.2%
Waukee loam, 2 to 5 percent slopes	B	0.17	303.1	0.2%
Dickinson sandy loam, 5 to 10 percent slopes	A	0.14	267.0	0.2%
Hoopeston sandy loam, 0 to 2 percent slopes	A/D	0.16	263.8	0.2%
Sparta loamy sand, Illinois till plain, 2 to 6 percent slopes	A	0.09	250.5	0.2%
Birkbeck silt loam, 2 to 5 percent slopes	C	0.42	250.5	0.2%
Varna silt loam, 2 to 4 percent slopes	C	0.37	249.4	0.2%
Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	B/D	0.39	248.0	0.2%
Flagg silt loam, 2 to 5 percent slopes	B	0.41	245.5	0.2%
Martinsville silt loam, 5 to 10 percent slopes, eroded	B	0.32	244.2	0.2%
Orion silt loam, 0 to 2 percent slopes, frequently flooded	B/D	0.45	240.9	0.2%
Vanpetten loam, 2 to 5 percent slopes	B	0.24	229.3	0.2%
Kidder loam, 6 to 12 percent slopes, eroded	B	0.27	224.7	0.2%
Durand silt loam, 2 to 5 percent slopes	B	0.37	224.7	0.2%
Lawson silt loam, cool mesic, 0 to 2 percent slopes, frequently flooded	B/D	0.42	222.5	0.2%
Rodman-Warsaw complex, 6 to 12 percent slopes	A	0.09	212.4	0.2%
Gilford fine sandy loam, 0 to 2 percent slopes	A/D	0.11	210.6	0.2%
Comfrey silt loam, undrained, 0 to 2 percent slopes, frequently flooded	B/D	0.35	209.1	0.2%
Elizabeth loam, 10 to 18 percent slopes	D	0.24	207.3	0.2%
Lamont sandy loam, 5 to 10 percent slopes	A	0.14	205.9	0.2%
Parr silt loam, 2 to 5 percent slopes, eroded	C	0.4	201.9	0.2%
Comfrey loam, 0 to 2 percent slopes, occasionally flooded	B/D	0.29	195.2	0.2%
La Rose silt loam, 2 to 5 percent slopes, eroded	C	0.4	195.1	0.2%
Coloma sand, 7 to 15 percent slopes	A	0.03	170.8	0.1%
Ripon silt loam, 2 to 5 percent slopes	C	0.37	170.0	0.1%
Nachusa silt loam, 0 to 2 percent slopes	C/D	0.35	165.1	0.1%
Ross loam, 0 to 2 percent slopes, occasionally flooded	B	0.28	161.7	0.1%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Warsaw loam, 2 to 5 percent slopes	B	0.15	159.8	0.1%
Plano silt loam, 5 to 10 percent slopes, eroded	B	0.33	157.7	0.1%
Houghton muck, 0 to 2 percent slopes, frequently flooded	A/D	<Null>	156.8	0.1%
Fayette silt loam, glaciated, 2 to 5 percent slopes	B	0.44	152.4	0.1%
Senachwine silt loam, 2 to 5 percent slopes	C	0.39	151.9	0.1%
Hitt sandy loam, 5 to 10 percent slopes, eroded	C	0.26	149.2	0.1%
Pits, quarries	<Null>	<Null>	146.3	0.1%
Boone loamy fine sand, 7 to 15 percent slopes	A	0.05	145.5	0.1%
Dakota sandy loam, 2 to 5 percent slopes, eroded	B	0.15	143.9	0.1%
Elizabeth loam, 18 to 35 percent slopes	D	0.28	134.3	0.1%
Drummer silt loam, 0 to 2 percent slopes, overwash	B/D	0.36	118.5	0.1%
Pecatonica silt loam, 5 to 10 percent slopes, eroded	B	0.34	116.2	0.1%
Parr silt loam, 5 to 10 percent slopes, eroded	C	0.39	115.3	0.1%
Martinsville silt loam, 0 to 2 percent slopes	B	0.33	115.1	0.1%
Ripon silt loam, 5 to 10 percent slopes, eroded	C	0.37	114.7	0.1%
Atkinson silt loam, 5 to 10 percent slopes, eroded	C	0.32	111.4	0.1%
Clyde clay loam, 0 to 2 percent slopes	B/D	0.3	108.7	0.1%
Boone loamy fine sand, 2 to 7 percent slopes	A	0.05	107.5	0.1%
Peotone silty clay loam, 0 to 2 percent slopes	C/D	0.31	104.1	0.1%
Psamments, 0 to 2 percent slopes, frequently flooded	A	0.02	100.0	0.1%
Miscellaneous water	<Null>	<Null>	99.3	0.1%
Rodman-Fox complex, 12 to 20 percent slopes	A	0.08	98.8	0.1%
Senachwine silt loam, 10 to 18 percent slopes, eroded	C	0.39	97.7	0.1%
Whalan loam, 10 to 18 percent slopes, eroded	C	0.33	94.3	0.1%
Eleva fine sandy loam, 7 to 15 percent slopes	B	0.28	92.3	0.1%
Dickinson sandy loam, loamy substratum, 5 to 10 percent slopes	A	0.25	91.1	0.1%
Warsaw silt loam, 2 to 5 percent slopes, eroded	B	0.2	89.3	0.1%
Martinsville silt loam, 10 to 18 percent slopes, eroded	B	0.31	88.1	0.1%
Kishwaukee silt loam, 2 to 5 percent slopes	B	0.29	86.2	0.1%
Rodman-Fox complex, 6 to 12 percent slopes	A	0.08	84.2	0.1%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Assumption silt loam, 5 to 10 percent slopes, eroded	C	0.33	84.0	0.1%
Batavia silt loam, 2 to 5 percent slopes	B	0.4	83.5	0.1%
Binghampton sandy loam, 0 to 2 percent slopes	B/D	0.2	83.0	0.1%
Eleva fine sandy loam, 15 to 35 percent slopes	B	0.28	82.8	0.1%
Coloma sand, 1 to 7 percent slopes	A	0.03	82.0	0.1%
Prairieville silt loam, 2 to 5 percent slopes	C	0.35	81.9	0.1%
Ross silt loam, 0 to 2 percent slopes, rarely flooded	B	0.22	66.7	0.1%
Whalan loam, 2 to 5 percent slopes	C	0.36	66.6	0.1%
Lisbon silt loam, 0 to 2 percent slopes	C/D	0.38	66.4	0.1%
Dickinson sandy loam, loamy substratum, 1 to 5 percent slopes, eroded	A	0.25	64.1	0.1%
Danabrook silt loam, 5 to 10 percent slopes, eroded	C	0.38	61.1	0.0%
Waupecan silt loam, 2 to 5 percent slopes, eroded	B	0.33	59.9	0.0%
Birkbeck silt loam, 5 to 10 percent slopes, eroded	C	0.42	59.7	0.0%
Harpster silty clay loam, 0 to 2 percent slopes, occasionally flooded	B/D	0.41	59.4	0.0%
Sparta loamy sand, Illinois till plain, 2 to 6 percent slopes, eroded	A	0.08	58.9	0.0%
Ockley silt loam, 2 to 5 percent slopes	B	0.3	58.2	0.0%
Woodbine silt loam, 5 to 10 percent slopes, eroded	B	0.36	55.8	0.0%
Pits, gravel	<Null>	<Null>	55.2	0.0%
Eleva fine sandy loam, 2 to 7 percent slopes	B	0.28	50.7	0.0%
Will loam, 0 to 2 percent slopes	B/D	0.2	50.6	0.0%
Dodge silt loam, 2 to 5 percent slopes	C	0.42	48.9	0.0%
Woodbine silt loam, 2 to 5 percent slopes	C	0.38	43.8	0.0%
Rodman-Warsaw complex, 12 to 20 percent slopes	A	0.09	42.7	0.0%
Warsaw loam, 0 to 2 percent slopes	B	0.17	37.4	0.0%
Osco silt loam, 5 to 10 percent slopes, eroded	B	0.43	36.7	0.0%
Stronghurst silt loam, 0 to 2 percent slopes	B/D	0.44	36.3	0.0%
Orio loam, 0 to 2 percent slopes	C/D	0.19	35.6	0.0%
Denny silt loam, 0 to 2 percent slopes	C/D	0.43	30.4	0.0%
Du Page silt loam, 0 to 2 percent slopes, frequently flooded	B	0.36	28.7	0.0%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
St. Charles silt loam, 5 to 10 percent slopes, eroded	B	0.41	25.1	0.0%
Fayette silt loam, glaciated, 5 to 10 percent slopes, eroded	B	0.46	23.3	0.0%
Ogle silt loam, 5 to 10 percent slopes, eroded	B	0.37	23.0	0.0%
Greenbush silt loam, 2 to 5 percent slopes	B	0.45	22.7	0.0%
Pecatonica silt loam, 2 to 5 percent slopes	B	0.29	21.9	0.0%
Senachwine clay loam, 10 to 18 percent slopes, severely eroded	C	0.41	21.1	0.0%
Dunbarton silt loam, 6 to 12 percent slopes, eroded	D	0.35	21.1	0.0%
Houghton muck, 0 to 2 percent slopes	A/D	<Null>	20.2	0.0%
Catlin silt loam, 5 to 10 percent slopes, eroded	C	0.36	19.5	0.0%
Waukee loam, 0 to 2 percent slopes	B	0.18	18.7	0.0%
Whalan loam, 18 to 25 percent slopes, eroded	C	0.33	17.4	0.0%
Dunbarton silt loam, 12 to 20 percent slopes, eroded	D	0.3	16.0	0.0%
Kishwaukee silt loam, 0 to 2 percent slopes	B	0.29	13.6	0.0%
Pecatonica silt loam, 10 to 18 percent slopes, eroded	B	0.33	13.5	0.0%
Ambraw loam, 0 to 2 percent slopes, occasionally flooded	C/D	0.31	13.5	0.0%
Varna silt loam, 6 to 12 percent slopes, eroded	C	0.38	12.6	0.0%
Rozetta silt loam, 0 to 2 percent slopes	B	0.47	12.5	0.0%
Lawson silt loam, cool mesic, 0 to 2 percent slopes, occasionally flooded	B/D	0.42	11.3	0.0%
Ockley silt loam, 0 to 2 percent slopes	B	0.28	10.5	0.0%
Atterberry silt loam, 0 to 2 percent slopes	B/D	0.46	8.4	0.0%
Otter silt loam, 0 to 2 percent slopes, occasionally flooded	B/D	0.4	7.8	0.0%
Dodge silt loam, 5 to 10 percent slopes, eroded	C	0.39	6.4	0.0%
Huntsville silt loam, 0 to 2 percent slopes, occasionally flooded	B	0.45	5.8	0.0%
Adrian muck, 0 to 2 percent slopes	A/D	0.1	5.4	0.0%
Fox loam, 2 to 5 percent slopes	B	0.16	4.3	0.0%
Dickinson sandy loam, loamy substratum, 5 to 10 percent slopes, eroded	A	0.24	4.2	0.0%
Dubuque silt loam, 10 to 18 percent slopes, moderately eroded	C	0.4	3.7	0.0%
Westville silt loam, 10 to 18 percent slopes, eroded	B	0.33	2.6	0.0%

Mapunit Name	Hydrologic Group - Dominant Condition	K-Factor Rock Free	Acres	Percent
Dickinson sandy loam, 0 to 2 percent slopes	A	0.16	2.4	0.0%
Winnebago silt loam, 5 to 10 percent slopes, eroded	B	0.34	2.3	0.0%
Thorp silt loam, 0 to 2 percent slopes	C/D	0.39	2.2	0.0%
Ayr sandy loam, 2 to 5 percent slopes, eroded	B	0.29	1.9	0.0%

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Appendix C

Water Quality Data

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StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	05-Jun-13	Alkalinity, total		250	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Aluminum	Total	329	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Ammonia-nitrogen	Total	0.22	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Arsenic	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Arsenic	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Barium	Dissolved	82.8	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Barium	Total	83.9	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Boron	Dissolved	8.86	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Boron	Total	30.2	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Calcium	Dissolved	81700	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Calcium	Total	80700	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Chloride	Total	64.6	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Chromium	Dissolved	3.9	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Chromium	Total	2.68	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Cobalt	Dissolved	0.23	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Copper	Dissolved	1.29	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Cyanide	Total	0.004	mg/l	J
PL-03	KYTE RIVER	05-Jun-13	Fluoride	Total	0.23	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Hardness, Ca, Mg		354000	ug/l	C
PL-03	KYTE RIVER	05-Jun-13	Inorganic nitrogen (nitrate and nitrite)	Total	8.06	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Iron	Total	463	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Kjeldahl nitrogen	Total	0.46	mg/l	J
PL-03	KYTE RIVER	05-Jun-13	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Magnesium	Dissolved	35800	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Magnesium	Total	37100	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Manganese	Dissolved	21.4	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Manganese	Total	47.9	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Nickel	Dissolved	0.79	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Nickel	Total	0.98	ug/l	J
PL-03	KYTE RIVER	05-Jun-13	Organic carbon	Total	2.2	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Phosphorus	Dissolved	0.036	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Phosphorus	Total	0.07	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Potassium	Dissolved	1640	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Potassium	Total	1700	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Selenium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Selenium	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Sodium	Dissolved	29400	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Sodium	Total	29100	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Strontium	Dissolved	143	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Strontium	Total	138	ug/l	
PL-03	KYTE RIVER	05-Jun-13	Sulfate	Total	26.8	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Temperature, sample		3	deg C	
PL-03	KYTE RIVER	05-Jun-13	Total suspended solids		24	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Volatile suspended solids		9	mg/l	
PL-03	KYTE RIVER	05-Jun-13	Zinc	Dissolved		ug/l	ND
PL-03	KYTE RIVER	05-Jun-13	Zinc	Total	2.7	ug/l	J
PL-03	KYTE RIVER	09-Jul-13	Ammonia-nitrogen	Total		mg/l	ND
PL-03	KYTE RIVER	09-Jul-13	Inorganic nitrogen (nitrate and nitrite)	Total	9.49	mg/l	
PL-03	KYTE RIVER	09-Jul-13	Phosphorus	Total	0.067	mg/l	
PL-03	KYTE RIVER	09-Jul-13	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	09-Jul-13	Total suspended solids		15	mg/l	
PL-03	KYTE RIVER	09-Jul-13	Volatile suspended solids		6	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Alkalinity, total		270	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Aluminum	Total	215	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	12-Jul-13	Ammonia-nitrogen	Total	0.03	mg/l	J
PL-03	KYTE RIVER	12-Jul-13	Arsenic	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Arsenic	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Barium	Dissolved	80.7	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Barium	Total	86.7	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Boron	Dissolved	35	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Boron	Total	32.6	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Calcium	Dissolved	80300	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Calcium	Total	83800	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Chloride	Total	55.4	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Chromium	Dissolved	2.12	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Chromium	Total	2.08	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Cyanide	Total		mg/l	ND
PL-03	KYTE RIVER	12-Jul-13	Fluoride	Total	0.26	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Hardness, Ca, Mg		370000	ug/l	C
PL-03	KYTE RIVER	12-Jul-13	Inorganic nitrogen (nitrate and nitrite)	Total	8.69	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Iron	Dissolved	6.85	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Iron	Total	283	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Kjeldahl nitrogen	Total	0.43	mg/l	J
PL-03	KYTE RIVER	12-Jul-13	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Magnesium	Dissolved	38200	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Magnesium	Total	39000	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Manganese	Dissolved	14.1	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Manganese	Total	28	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Nickel	Dissolved	1.83	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Nickel	Total	0.95	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Organic carbon	Total	2.29	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Phosphorus	Dissolved	0.023	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Phosphorus	Total	0.045	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Potassium	Dissolved	1860	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Potassium	Total	1910	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Selenium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Selenium	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Silver	Dissolved	0.38	ug/l	J
PL-03	KYTE RIVER	12-Jul-13	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Sodium	Dissolved	24400	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Sodium	Total	25700	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Strontium	Dissolved	132	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Strontium	Total	143	ug/l	
PL-03	KYTE RIVER	12-Jul-13	Sulfate	Total	13.9	mg/l	
PL-03	KYTE RIVER	12-Jul-13	Temperature, sample		3	deg C	
PL-03	KYTE RIVER	12-Jul-13	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Volatile suspended solids			mg/l	ND
PL-03	KYTE RIVER	12-Jul-13	Zinc	Dissolved		ug/l	ND
PL-03	KYTE RIVER	12-Jul-13	Zinc	Total		ug/l	ND
PL-03	KYTE RIVER	04-Sep-13	Ammonia-nitrogen	Total	0.02	mg/l	J
PL-03	KYTE RIVER	04-Sep-13	Inorganic nitrogen (nitrate and nitrite)	Total	2.17	mg/l	
PL-03	KYTE RIVER	04-Sep-13	Kjeldahl nitrogen	Total	0.261	mg/l	J
PL-03	KYTE RIVER	04-Sep-13	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	04-Sep-13	Total suspended solids		43	mg/l	
PL-03	KYTE RIVER	04-Sep-13	Volatile suspended solids		9	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Alkalinity, total		235	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Aluminum	Total	60.8	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Ammonia-nitrogen	Total		mg/l	ND
PL-03	KYTE RIVER	09-Oct-13	Arsenic	Dissolved	1.84	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Arsenic	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Barium	Dissolved	69.3	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	09-Oct-13	Barium	Total	70.1	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Boron	Dissolved	40.2	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Boron	Total	43.6	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Calcium	Dissolved	62000	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Calcium	Total	64500	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Chromium	Dissolved	2.03	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Chromium	Total	3.78	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Cobalt	Total	1.37	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Copper	Dissolved	0.93	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Cyanide	Total	0.004	mg/l	J
PL-03	KYTE RIVER	09-Oct-13	Fluoride	Total	0.29	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Hardness, Ca, Mg		313000	ug/l	C
PL-03	KYTE RIVER	09-Oct-13	Inorganic nitrogen (nitrate and nitrite)	Total	2.15	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Iron	Dissolved	18.5	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Iron	Total	119	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Kjeldahl nitrogen	Total	0.29	mg/l	J
PL-03	KYTE RIVER	09-Oct-13	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Magnesium	Dissolved	36100	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Magnesium	Total	36900	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Manganese	Dissolved	38.1	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Manganese	Total	42.6	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Nickel	Total	0.98	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Organic carbon	Total	2.92	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Potassium	Dissolved	3700	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Potassium	Total	3640	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Selenium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Selenium	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Silver	Dissolved	1.36	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Silver	Total	2.13	ug/l	J
PL-03	KYTE RIVER	09-Oct-13	Sodium	Dissolved	49200	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Sodium	Total	48600	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Strontium	Dissolved	134	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Strontium	Total	133	ug/l	
PL-03	KYTE RIVER	09-Oct-13	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	09-Oct-13	Total suspended solids		5	mg/l	
PL-03	KYTE RIVER	09-Oct-13	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Volatile suspended solids			mg/l	ND
PL-03	KYTE RIVER	09-Oct-13	Zinc	Dissolved		ug/l	ND
PL-03	KYTE RIVER	09-Oct-13	Zinc	Total	5.97	ug/l	
PL-03		05-Jun-13	Dissolved oxygen (DO)		8.25	mg/l	
PL-03		05-Jun-13	Dissolved oxygen saturation		86.9	%	
PL-03		05-Jun-13	pH		7.91	none	
PL-03		05-Jun-13	Specific conductance		775	umho/cm	
PL-03		05-Jun-13	Temperature, water		16.66	deg C	
PL-03		05-Jun-13	Turbidity		13	NTU	
PL-03		12-Jul-13	Dissolved oxygen (DO)		8	mg/l	
PL-03		12-Jul-13	Dissolved oxygen saturation		92.7	%	
PL-03		12-Jul-13	pH		8.11	none	
PL-03		12-Jul-13	Specific conductance		754	umho/cm	
PL-03		12-Jul-13	Temperature, water		21.63	deg C	
PL-03		12-Jul-13	Turbidity		5.7	NTU	
PL-03		09-Oct-13	Dissolved oxygen (DO)		9.55	mg/l	
PL-03		09-Oct-13	Dissolved oxygen saturation		95.3	%	
PL-03		09-Oct-13	pH		8.09	none	
PL-03		09-Oct-13	Specific conductance		781	umho/cm	
PL-03		09-Oct-13	Temperature, water		14.44	deg C	
PL-03		09-Oct-13	Turbidity		2.3	NTU	
PL-03	PL-03	31-Jul-08	Alkalinity, total		294	mg/l	
PL-03	PL-03	31-Jul-08	Carbon, organic	Total	10.1	mg/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	PL-03	31-Jul-08	Chloride	Total	60	mg/l	
PL-03	PL-03	31-Jul-08	Cyanide	Total		mg/l	ND
PL-03	PL-03	31-Jul-08	Cyanide	Weak Acid Diss		mg/l	ND
PL-03	PL-03	31-Jul-08	Fluorides	Total	0.2	mg/l	J
PL-03	PL-03	31-Jul-08	Nitrogen, ammonia as N	Total		mg/l	ND
PL-03	PL-03	31-Jul-08	Nitrogen, Kjeldahl	Total	0.814	mg/l	
PL-03	PL-03	31-Jul-08	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1	mg/l	
PL-03	PL-03	31-Jul-08	Phosphorus as P	Dissolved	0.03	mg/l	J
PL-03	PL-03	31-Jul-08	Phosphorus as P	Total	0.059	mg/l	
PL-03	PL-03	31-Jul-08	Solids, suspended, volatile		2.4	mg/l	
PL-03	PL-03	31-Jul-08	Solids, Total Suspended (TSS)		12.4	mg/l	
PL-03	PL-03	31-Jul-08	Sulfate	Total	44	mg/l	
PL-03	PL-03	31-Jul-08	Temperature, sample		5	deg C	
PL-03	PL-03	10-Sep-08	Alkalinity, total		251	mg/l	
PL-03	PL-03	10-Sep-08	Carbon, organic	Total	8.01	mg/l	
PL-03	PL-03	10-Sep-08	Chloride	Total	59.3	mg/l	
PL-03	PL-03	10-Sep-08	Cyanide	Total		mg/l	ND
PL-03	PL-03	10-Sep-08	Cyanide	Weak Acid Diss		mg/l	ND
PL-03	PL-03	10-Sep-08	Fluorides	Total	0.18	mg/l	J
PL-03	PL-03	10-Sep-08	Nitrogen, ammonia as N	Total		mg/l	ND
PL-03	PL-03	10-Sep-08	Nitrogen, Kjeldahl	Total		mg/l	ND
PL-03	PL-03	10-Sep-08	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	4.3	mg/l	
PL-03	PL-03	10-Sep-08	Phosphorus as P	Dissolved	0.059	mg/l	
PL-03	PL-03	10-Sep-08	Phosphorus as P	Total	0.091	mg/l	
PL-03	PL-03	10-Sep-08	Solids, suspended, volatile		4	mg/l	
PL-03	PL-03	10-Sep-08	Solids, Total Suspended (TSS)		14.4	mg/l	
PL-03	PL-03	10-Sep-08	Sulfate	Total	65	mg/l	
PL-03	PL-03	10-Sep-08	Temperature, sample		1	deg C	
PL-03	PL-03	31-Jul-08	Aluminum	Dissolved	5.14	ug/l	J
PL-03	PL-03	31-Jul-08	Aluminum	Total	274	ug/l	
PL-03	PL-03	31-Jul-08	Arsenic	Dissolved		ug/l	ND
PL-03	PL-03	31-Jul-08	Arsenic	Total		ug/l	ND
PL-03	PL-03	31-Jul-08	Barium	Dissolved	69.3	ug/l	
PL-03	PL-03	31-Jul-08	Barium	Total	73	ug/l	
PL-03	PL-03	31-Jul-08	Boron	Dissolved	33.1	ug/l	
PL-03	PL-03	31-Jul-08	Boron	Total	33	ug/l	
PL-03	PL-03	31-Jul-08	Cadmium	Dissolved	0.72	ug/l	J
PL-03	PL-03	31-Jul-08	Cadmium	Total	0.88	ug/l	J
PL-03	PL-03	31-Jul-08	Calcium	Dissolved	74300	ug/l	
PL-03	PL-03	31-Jul-08	Calcium	Total	75600	ug/l	
PL-03	PL-03	31-Jul-08	Chromium	Dissolved	0.56	ug/l	J
PL-03	PL-03	31-Jul-08	Chromium	Total	0.95	ug/l	J
PL-03	PL-03	31-Jul-08	Cobalt	Dissolved	1.18	ug/l	J
PL-03	PL-03	31-Jul-08	Cobalt	Total	0.91	ug/l	J
PL-03	PL-03	31-Jul-08	Copper	Dissolved	1.61	ug/l	J
PL-03	PL-03	31-Jul-08	Copper	Total	3.46	ug/l	J
PL-03	PL-03	31-Jul-08	Hardness, Ca + Mg	Total	341000	ug/l	C
PL-03	PL-03	31-Jul-08	Iron	Dissolved		ug/l	ND
PL-03	PL-03	31-Jul-08	Iron	Total	358	ug/l	
PL-03	PL-03	31-Jul-08	Lead	Dissolved		ug/l	ND
PL-03	PL-03	31-Jul-08	Lead	Total		ug/l	ND
PL-03	PL-03	31-Jul-08	Magnesium	Dissolved	36700	ug/l	
PL-03	PL-03	31-Jul-08	Magnesium	Total	37000	ug/l	
PL-03	PL-03	31-Jul-08	Manganese	Dissolved	17.1	ug/l	
PL-03	PL-03	31-Jul-08	Manganese	Total	34	ug/l	
PL-03	PL-03	31-Jul-08	Nickel	Dissolved	0.55	ug/l	J
PL-03	PL-03	31-Jul-08	Nickel	Total	0.65	ug/l	J
PL-03	PL-03	31-Jul-08	Potassium	Dissolved	1760	ug/l	
PL-03	PL-03	31-Jul-08	Potassium	Total	1830	ug/l	
PL-03	PL-03	31-Jul-08	Silver	Dissolved		ug/l	ND
PL-03	PL-03	31-Jul-08	Silver	Total		ug/l	ND
PL-03	PL-03	31-Jul-08	Sodium	Dissolved	26000	ug/l	
PL-03	PL-03	31-Jul-08	Sodium	Total	26000	ug/l	
PL-03	PL-03	31-Jul-08	Strontium	Dissolved	124	ug/l	
PL-03	PL-03	31-Jul-08	Strontium	Total	125	ug/l	
PL-03	PL-03	31-Jul-08	Zinc	Dissolved	4.36	ug/l	J
PL-03	PL-03	31-Jul-08	Zinc	Total	9.05	ug/l	J
PL-03	PL-03	31-Jul-08	Chlorophyll a, corrected for pheophytin	Total	1.48	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	PL-03	31-Jul-08	Chlorophyll a, uncorrected for pheophytin	Total	1.29	ug/l	
PL-03	PL-03	31-Jul-08	Chlorophyll-b	Total		ug/l	ND
PL-03	PL-03	31-Jul-08	Chlorophyll-c	Total		ug/l	ND
PL-03	PL-03	31-Jul-08	Temperature, sample		0	deg C	
PL-03	PL-03	10-Sep-08	Aluminum	Dissolved		ug/l	ND
PL-03	PL-03	10-Sep-08	Aluminum	Total	378	ug/l	
PL-03	PL-03	10-Sep-08	Arsenic	Dissolved		ug/l	ND
PL-03	PL-03	10-Sep-08	Arsenic	Total		ug/l	ND
PL-03	PL-03	10-Sep-08	Barium	Dissolved	60.5	ug/l	
PL-03	PL-03	10-Sep-08	Barium	Total	67.8	ug/l	
PL-03	PL-03	10-Sep-08	Boron	Dissolved	42.4	ug/l	
PL-03	PL-03	10-Sep-08	Boron	Total	43.7	ug/l	
PL-03	PL-03	10-Sep-08	Cadmium	Dissolved	0.24	ug/l	J
PL-03	PL-03	10-Sep-08	Cadmium	Total	0.39	ug/l	J
PL-03	PL-03	10-Sep-08	Calcium	Dissolved	63700	ug/l	
PL-03	PL-03	10-Sep-08	Calcium	Total	69300	ug/l	
PL-03	PL-03	10-Sep-08	Chromium	Dissolved	0.26	ug/l	J
PL-03	PL-03	10-Sep-08	Chromium	Total	1.22	ug/l	J
PL-03	PL-03	10-Sep-08	Cobalt	Dissolved	1.15	ug/l	J
PL-03	PL-03	10-Sep-08	Cobalt	Total		ug/l	ND
PL-03	PL-03	10-Sep-08	Copper	Dissolved	3.22	ug/l	J
PL-03	PL-03	10-Sep-08	Copper	Total	3.46	ug/l	J
PL-03	PL-03	10-Sep-08	Hardness, Ca + Mg	Total	308000	ug/l	C
PL-03	PL-03	10-Sep-08	Iron	Dissolved	14.6	ug/l	J
PL-03	PL-03	10-Sep-08	Iron	Total	545	ug/l	
PL-03	PL-03	10-Sep-08	Lead	Dissolved	0.7	ug/l	J
PL-03	PL-03	10-Sep-08	Lead	Total	2.17	ug/l	J
PL-03	PL-03	10-Sep-08	Magnesium	Dissolved	32000	ug/l	
PL-03	PL-03	10-Sep-08	Magnesium	Total	32800	ug/l	
PL-03	PL-03	10-Sep-08	Manganese	Dissolved	30.7	ug/l	
PL-03	PL-03	10-Sep-08	Manganese	Total	53.6	ug/l	
PL-03	PL-03	10-Sep-08	Nickel	Dissolved	1.35	ug/l	J
PL-03	PL-03	10-Sep-08	Nickel	Total	1.7	ug/l	J
PL-03	PL-03	10-Sep-08	Potassium	Dissolved	2880	ug/l	
PL-03	PL-03	10-Sep-08	Potassium	Total	2890	ug/l	
PL-03	PL-03	10-Sep-08	Silver	Dissolved		ug/l	ND
PL-03	PL-03	10-Sep-08	Silver	Total		ug/l	ND
PL-03	PL-03	10-Sep-08	Sodium	Dissolved	42900	ug/l	
PL-03	PL-03	10-Sep-08	Sodium	Total	40700	ug/l	
PL-03	PL-03	10-Sep-08	Strontium	Dissolved	113	ug/l	
PL-03	PL-03	10-Sep-08	Strontium	Total	114	ug/l	
PL-03	PL-03	10-Sep-08	Zinc	Dissolved	3.04	ug/l	J
PL-03	PL-03	10-Sep-08	Zinc	Total	8.09	ug/l	J
PL-03	PL-03	10-Sep-08	Chlorophyll a, corrected for pheophytin	Total	3.58	ug/l	
PL-03	PL-03	10-Sep-08	Chlorophyll a, uncorrected for pheophytin	Total	4.66	ug/l	
PL-03	PL-03	10-Sep-08	Chlorophyll-b	Total		ug/l	ND
PL-03	PL-03	10-Sep-08	Chlorophyll-c	Total	1.2	ug/l	
PL-03	PL-03	10-Sep-08	Temperature, sample		0	deg C	
PL-03	PL-03	08-Oct-08	Aluminum	Dissolved		ug/l	ND
PL-03	PL-03	08-Oct-08	Aluminum	Total	226	ug/l	
PL-03	PL-03	08-Oct-08	Arsenic	Dissolved		ug/l	ND
PL-03	PL-03	08-Oct-08	Arsenic	Total		ug/l	ND
PL-03	PL-03	08-Oct-08	Barium	Dissolved	70.7	ug/l	
PL-03	PL-03	08-Oct-08	Barium	Total	75	ug/l	
PL-03	PL-03	08-Oct-08	Boron	Dissolved	43.3	ug/l	
PL-03	PL-03	08-Oct-08	Boron	Total	40.4	ug/l	
PL-03	PL-03	08-Oct-08	Cadmium	Dissolved	0.56	ug/l	J
PL-03	PL-03	08-Oct-08	Cadmium	Total	0.36	ug/l	J
PL-03	PL-03	08-Oct-08	Calcium	Dissolved	81200	ug/l	
PL-03	PL-03	08-Oct-08	Calcium	Total	82200	ug/l	
PL-03	PL-03	08-Oct-08	Chromium	Dissolved	0.55	ug/l	J
PL-03	PL-03	08-Oct-08	Chromium	Total	0.55	ug/l	J
PL-03	PL-03	08-Oct-08	Cobalt	Dissolved	2.02	ug/l	J
PL-03	PL-03	08-Oct-08	Cobalt	Total	0.35	ug/l	J
PL-03	PL-03	08-Oct-08	Copper	Dissolved	3.09	ug/l	J
PL-03	PL-03	08-Oct-08	Copper	Total	2.77	ug/l	J
PL-03	PL-03	08-Oct-08	Hardness, Ca + Mg	Total	362000	ug/l	C
PL-03	PL-03	08-Oct-08	Iron	Dissolved	13.5	ug/l	J

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	PL-03	08-Oct-08	Iron	Total	340	ug/l	
PL-03	PL-03	08-Oct-08	Lead	Dissolved	1.73	ug/l	J
PL-03	PL-03	08-Oct-08	Lead	Total	1.19	ug/l	J
PL-03	PL-03	08-Oct-08	Magnesium	Dissolved	37100	ug/l	
PL-03	PL-03	08-Oct-08	Magnesium	Total	38100	ug/l	
PL-03	PL-03	08-Oct-08	Manganese	Dissolved	23.1	ug/l	
PL-03	PL-03	08-Oct-08	Manganese	Total	38.4	ug/l	
PL-03	PL-03	08-Oct-08	Nickel	Dissolved		ug/l	ND
PL-03	PL-03	08-Oct-08	Nickel	Total	0.62	ug/l	J
PL-03	PL-03	08-Oct-08	Potassium	Dissolved	1860	ug/l	
PL-03	PL-03	08-Oct-08	Potassium	Total	1970	ug/l	
PL-03	PL-03	08-Oct-08	Silver	Dissolved		ug/l	ND
PL-03	PL-03	08-Oct-08	Silver	Total		ug/l	ND
PL-03	PL-03	08-Oct-08	Sodium	Dissolved	20700	ug/l	
PL-03	PL-03	08-Oct-08	Sodium	Total	21300	ug/l	
PL-03	PL-03	08-Oct-08	Strontium	Dissolved	131	ug/l	
PL-03	PL-03	08-Oct-08	Strontium	Total	137	ug/l	
PL-03	PL-03	08-Oct-08	Zinc	Dissolved	2.6	ug/l	J
PL-03	PL-03	08-Oct-08	Zinc	Total	4.86	ug/l	J
PL-03	PL-03	08-Oct-08	Chlorophyll a, corrected for pheophytin	Total	16.3	ug/l	
PL-03	PL-03	08-Oct-08	Chlorophyll a, uncorrected for pheophytin	Total	17.2	ug/l	
PL-03	PL-03	08-Oct-08	Chlorophyll-b	Total		ug/l	ND
PL-03	PL-03	08-Oct-08	Chlorophyll-c	Total	3.8	ug/l	
PL-03	PL-03	08-Oct-08	Temperature, sample		0	deg C	
PL-03		27-Apr-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		10		
PL-03		27-Apr-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.16		
PL-03		27-Apr-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.11		
PL-03		27-Apr-99	PHOSPHORUS AS P,Total mg/l	Total	0.18		
PL-03		27-Apr-99	SOLIDS, FIXED,Total mg/l	Total	102		
PL-03		27-Apr-99	SOLIDS, FIXED,Volatile mg/l	Volatile	40		
PL-03		27-Apr-99	TURBIDITY FTU		46		
PL-03		27-Apr-99	LEAD,Dissolved ug/l	Dissolved	3.6		
PL-03		27-Apr-99	LEAD,Total ug/l	Total	4		
PL-03		27-Apr-99	CALCIUM,Dissolved mg/l	Dissolved	72		
PL-03		27-Apr-99	MAGNESIUM,Dissolved mg/l	Dissolved	32		
PL-03		27-Apr-99	SODIUM,Dissolved mg/l	Dissolved	12		
PL-03		27-Apr-99	POTASSIUM,Dissolved mg/l	Dissolved	1.6		
PL-03		27-Apr-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		27-Apr-99	BARIUM,Dissolved ug/l	Dissolved	64		
PL-03		27-Apr-99	BORON,Dissolved ug/l	Dissolved	21		
PL-03		27-Apr-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		27-Apr-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		27-Apr-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		27-Apr-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		27-Apr-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		27-Apr-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		27-Apr-99	MANGANESE,Dissolved ug/l	Dissolved	16		
PL-03		27-Apr-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		27-Apr-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		27-Apr-99	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		27-Apr-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		27-Apr-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		27-Apr-99	CALCIUM,Total mg/l	Total	79		
PL-03		27-Apr-99	MAGNESIUM,Total mg/l	Total	35		
PL-03		27-Apr-99	SODIUM,Total mg/l	Total	13		
PL-03		27-Apr-99	POTASSIUM,Total mg/l	Total	2		
PL-03		27-Apr-99	ALUMINUM,Total ug/l	Total	1300		
PL-03		27-Apr-99	BARIUM,Total ug/l	Total	87		
PL-03		27-Apr-99	BORON,Total ug/l	Total	17		
PL-03		27-Apr-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		27-Apr-99	CADMIUM,Total ug/l	Total	3		K
PL-03		27-Apr-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		27-Apr-99	COPPER,Total ug/l	Total	10		K
PL-03		27-Apr-99	COBALT,Total ug/l	Total	10		K
PL-03		27-Apr-99	IRON,Total ug/l	Total	1700		
PL-03		27-Apr-99	MANGANESE,Total ug/l	Total	86		
PL-03		27-Apr-99	NICKEL,Total ug/l	Total	25		K
PL-03		27-Apr-99	SILVER,Total ug/l	Total	3		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		27-Apr-99	STRONTIUM,Total ug/l	Total	120		
PL-03		27-Apr-99	VANADIUM,Total ug/l	Total	5		K
PL-03		27-Apr-99	ZINC,Total ug/l	Total	100		K
PL-03		27-Apr-99	HARDNESS, CA,MG mg/l		340		C
PL-03		27-Apr-99	TEMPERATURE, AIR deg C		12		
PL-03		27-Apr-99	TEMPERATURE, WATER deg C		10.84		
PL-03		27-Apr-99	DISSOLVED OXYGEN (DO) mg/l		10.03		
PL-03		27-Apr-99	CONDUCTANCE, SPECIFIC umho/cm		620		
PL-03		27-Apr-99	PH		7.86		
PL-03		24-Mar-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		8.7		
PL-03		24-Mar-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.09		
PL-03		24-Mar-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.22		
PL-03		24-Mar-99	PHOSPHORUS AS P,Total mg/l	Total	0.24		
PL-03		24-Mar-99	SOLIDS, FIXED,Total mg/l	Total	10		
PL-03		24-Mar-99	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		24-Mar-99	TURBIDITY FTU		7.7		
PL-03		24-Mar-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		24-Mar-99	LEAD,Total ug/l	Total	5		K
PL-03		24-Mar-99	CALCIUM,Dissolved mg/l	Dissolved	79000		
PL-03		24-Mar-99	MAGNESIUM,Dissolved mg/l	Dissolved	39000		
PL-03		24-Mar-99	SODIUM,Dissolved mg/l	Dissolved	19000		
PL-03		24-Mar-99	POTASSIUM,Dissolved mg/l	Dissolved	1700		
PL-03		24-Mar-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		24-Mar-99	BARIUM,Dissolved ug/l	Dissolved	68		
PL-03		24-Mar-99	BORON,Dissolved ug/l	Dissolved	24		
PL-03		24-Mar-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		24-Mar-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		24-Mar-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		24-Mar-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		24-Mar-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		24-Mar-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		24-Mar-99	MANGANESE,Dissolved ug/l	Dissolved	30		
PL-03		24-Mar-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		24-Mar-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		24-Mar-99	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		24-Mar-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		24-Mar-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		24-Mar-99	CALCIUM,Total mg/l	Total	81000		
PL-03		24-Mar-99	MAGNESIUM,Total mg/l	Total	39000		
PL-03		24-Mar-99	SODIUM,Total mg/l	Total	20000		
PL-03		24-Mar-99	POTASSIUM,Total mg/l	Total	1800		
PL-03		24-Mar-99	ALUMINUM,Total ug/l	Total	180		
PL-03		24-Mar-99	BARIUM,Total ug/l	Total	72		
PL-03		24-Mar-99	BORON,Total ug/l	Total	20		
PL-03		24-Mar-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		24-Mar-99	CADMIUM,Total ug/l	Total	3		K
PL-03		24-Mar-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		24-Mar-99	COPPER,Total ug/l	Total	10		K
PL-03		24-Mar-99	COBALT,Total ug/l	Total	10		K
PL-03		24-Mar-99	IRON,Total ug/l	Total	280		
PL-03		24-Mar-99	MANGANESE,Total ug/l	Total	41		
PL-03		24-Mar-99	NICKEL,Total ug/l	Total	25		K
PL-03		24-Mar-99	SILVER,Total ug/l	Total	3		K
PL-03		24-Mar-99	STRONTIUM,Total ug/l	Total	120		
PL-03		24-Mar-99	VANADIUM,Total ug/l	Total	5		K
PL-03		24-Mar-99	ZINC,Total ug/l	Total	100		K
PL-03		24-Mar-99	HARDNESS, CA,MG mg/l		370		C
PL-03		24-Mar-99	TEMPERATURE, AIR deg C		8		
PL-03		24-Mar-99	TEMPERATURE, WATER deg C		7.06		
PL-03		24-Mar-99	DISSOLVED OXYGEN (DO) mg/l		11.95		
PL-03		24-Mar-99	CONDUCTANCE, SPECIFIC umho/cm		651		
PL-03		24-Mar-99	PH		8.09		
PL-03		25-May-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		12		
PL-03		25-May-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.12		
PL-03		25-May-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.03		
PL-03		25-May-99	PHOSPHORUS AS P,Total mg/l	Total	0.05		
PL-03		25-May-99	SOLIDS, FIXED,Total mg/l	Total	35		
PL-03		25-May-99	SOLIDS, FIXED,Volatile mg/l	Volatile	4		

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PL-03		25-May-99	TURBIDITY FTU		14		
PL-03		25-May-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		25-May-99	LEAD,Total ug/l	Total	5		K
PL-03		25-May-99	CALCIUM,Dissolved mg/l	Dissolved	68		
PL-03		25-May-99	MAGNESIUM,Dissolved mg/l	Dissolved	28		
PL-03		25-May-99	SODIUM,Dissolved mg/l	Dissolved	6.3		
PL-03		25-May-99	POTASSIUM,Dissolved mg/l	Dissolved	1.6		
PL-03		25-May-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		25-May-99	BARIUM,Dissolved ug/l	Dissolved	34		
PL-03		25-May-99	BORON,Dissolved ug/l	Dissolved	48		
PL-03		25-May-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		25-May-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		25-May-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		25-May-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		25-May-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		25-May-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		25-May-99	MANGANESE,Dissolved ug/l	Dissolved	15		K
PL-03		25-May-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		25-May-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		25-May-99	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		25-May-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		25-May-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		25-May-99	CALCIUM,Total mg/l	Total	73		
PL-03		25-May-99	MAGNESIUM,Total mg/l	Total	30		
PL-03		25-May-99	SODIUM,Total mg/l	Total	6.4		
PL-03		25-May-99	POTASSIUM,Total mg/l	Total	2.4		
PL-03		25-May-99	ALUMINUM,Total ug/l	Total	1400		
PL-03		25-May-99	BARIUM,Total ug/l	Total	45		
PL-03		25-May-99	BORON,Total ug/l	Total	59		
PL-03		25-May-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		25-May-99	CADMIUM,Total ug/l	Total	3		K
PL-03		25-May-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		25-May-99	COPPER,Total ug/l	Total	10		K
PL-03		25-May-99	COBALT,Total ug/l	Total	10		K
PL-03		25-May-99	IRON,Total ug/l	Total	1600		
PL-03		25-May-99	MANGANESE,Total ug/l	Total	48		
PL-03		25-May-99	NICKEL,Total ug/l	Total	25		K
PL-03		25-May-99	SILVER,Total ug/l	Total	3		
PL-03		25-May-99	STRONTIUM,Total ug/l	Total	130		
PL-03		25-May-99	VANADIUM,Total ug/l	Total	5		K
PL-03		25-May-99	ZINC,Total ug/l	Total	100		K
PL-03		25-May-99	HARDNESS, CA,MG mg/l		307		C
PL-03		25-May-99	TEMPERATURE, AIR deg C		16		
PL-03		25-May-99	TEMPERATURE, WATER deg C		12.17		
PL-03		25-May-99	DISSOLVED OXYGEN (DO) mg/l		9.72		
PL-03		25-May-99	CONDUCTANCE, SPECIFIC umho/cm		684		
PL-03		25-May-99	PH		8.11		
PL-03		26-Aug-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		6.4		
PL-03		26-Aug-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	1.8		
PL-03		26-Aug-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.7		
PL-03		26-Aug-99	PHOSPHORUS AS P,Total mg/l	Total	0.81		
PL-03		26-Aug-99	SOLIDS, FIXED,Total mg/l	Total	35		
PL-03		26-Aug-99	SOLIDS, FIXED,Volatile mg/l	Volatile	13		
PL-03		26-Aug-99	TURBIDITY FTU		10		
PL-03		26-Aug-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		26-Aug-99	LEAD,Total ug/l	Total	5		K
PL-03		26-Aug-99	CALCIUM,Dissolved mg/l	Dissolved	63		
PL-03		26-Aug-99	MAGNESIUM,Dissolved mg/l	Dissolved	31		
PL-03		26-Aug-99	SODIUM,Dissolved mg/l	Dissolved	30		
PL-03		26-Aug-99	POTASSIUM,Dissolved mg/l	Dissolved	4.1		
PL-03		26-Aug-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		26-Aug-99	BARIUM,Dissolved ug/l	Dissolved	53		
PL-03		26-Aug-99	BORON,Dissolved ug/l	Dissolved	27		
PL-03		26-Aug-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		26-Aug-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		26-Aug-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		26-Aug-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		26-Aug-99	COBALT,Dissolved ug/l	Dissolved	10		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		26-Aug-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		26-Aug-99	MANGANESE,Dissolved ug/l	Dissolved	31		
PL-03		26-Aug-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		26-Aug-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		26-Aug-99	STRONTIUM,Dissolved ug/l	Dissolved	100		
PL-03		26-Aug-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		26-Aug-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		26-Aug-99	CALCIUM,Total mg/l	Total	68		
PL-03		26-Aug-99	MAGNESIUM,Total mg/l	Total	34		
PL-03		26-Aug-99	SODIUM,Total mg/l	Total	32		
PL-03		26-Aug-99	POTASSIUM,Total mg/l	Total	4.6		
PL-03		26-Aug-99	ALUMINUM,Total ug/l	Total	370		
PL-03		26-Aug-99	BARIUM,Total ug/l	Total	61		
PL-03		26-Aug-99	BORON,Total ug/l	Total	32		
PL-03		26-Aug-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		26-Aug-99	CADMIUM,Total ug/l	Total	3		K
PL-03		26-Aug-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		26-Aug-99	COPPER,Total ug/l	Total	10		K
PL-03		26-Aug-99	COBALT,Total ug/l	Total	10		K
PL-03		26-Aug-99	IRON,Total ug/l	Total	520		
PL-03		26-Aug-99	MANGANESE,Total ug/l	Total	80		
PL-03		26-Aug-99	NICKEL,Total ug/l	Total	25		K
PL-03		26-Aug-99	SILVER,Total ug/l	Total	3		K
PL-03		26-Aug-99	STRONTIUM,Total ug/l	Total	110		
PL-03		26-Aug-99	VANADIUM,Total ug/l	Total	5		K
PL-03		26-Aug-99	ZINC,Total ug/l	Total	100		K
PL-03		26-Aug-99	HARDNESS, CA,MG mg/l		307		C
PL-03		26-Aug-99	TEMPERATURE, AIR deg C		27		
PL-03		26-Aug-99	TEMPERATURE, WATER deg C		20.93		
PL-03		26-Aug-99	DISSOLVED OXYGEN (DO) mg/l		9.13		
PL-03		26-Aug-99	CONDUCTANCE, SPECIFIC umho/cm		671		
PL-03		26-Aug-99	PH		8.05		
PL-03		29-Jun-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		11		
PL-03		29-Jun-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.14		
PL-03		29-Jun-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.04		
PL-03		29-Jun-99	PHOSPHORUS AS P,Total mg/l	Total	0.08		
PL-03		29-Jun-99	SOLIDS, FIXED,Total mg/l	Total	46		
PL-03		29-Jun-99	SOLIDS, FIXED,Volatile mg/l	Volatile	6		
PL-03		29-Jun-99	TURBIDITY FTU		22		
PL-03		29-Jun-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		29-Jun-99	LEAD,Total ug/l	Total	5		K
PL-03		29-Jun-99	CALCIUM,Dissolved mg/l	Dissolved	74		
PL-03		29-Jun-99	MAGNESIUM,Dissolved mg/l	Dissolved	36		
PL-03		29-Jun-99	SODIUM,Dissolved mg/l	Dissolved	13		
PL-03		29-Jun-99	POTASSIUM,Dissolved mg/l	Dissolved	1.4		K
PL-03		29-Jun-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		29-Jun-99	BARIUM,Dissolved ug/l	Dissolved	71		
PL-03		29-Jun-99	BORON,Dissolved ug/l	Dissolved	31		
PL-03		29-Jun-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		29-Jun-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		29-Jun-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		29-Jun-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		29-Jun-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		29-Jun-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		29-Jun-99	MANGANESE,Dissolved ug/l	Dissolved	15		K
PL-03		29-Jun-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		29-Jun-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		29-Jun-99	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		29-Jun-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		29-Jun-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		29-Jun-99	CALCIUM,Total mg/l	Total	75		
PL-03		29-Jun-99	MAGNESIUM,Total mg/l	Total	37		
PL-03		29-Jun-99	SODIUM,Total mg/l	Total	13		
PL-03		29-Jun-99	POTASSIUM,Total mg/l	Total	1.4		K
PL-03		29-Jun-99	ALUMINUM,Total ug/l	Total	680		
PL-03		29-Jun-99	BARIUM,Total ug/l	Total	81		
PL-03		29-Jun-99	BORON,Total ug/l	Total	27		
PL-03		29-Jun-99	BERYLLIUM,Total ug/l	Total	1		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		29-Jun-99	CADMIUM,Total ug/l	Total	3		K
PL-03		29-Jun-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		29-Jun-99	COPPER,Total ug/l	Total	10		K
PL-03		29-Jun-99	COBALT,Total ug/l	Total	10		K
PL-03		29-Jun-99	IRON,Total ug/l	Total	830		
PL-03		29-Jun-99	MANGANESE,Total ug/l	Total	48		
PL-03		29-Jun-99	NICKEL,Total ug/l	Total	25		K
PL-03		29-Jun-99	SILVER,Total ug/l	Total	3		K
PL-03		29-Jun-99	STRONTIUM,Total ug/l	Total	120		
PL-03		29-Jun-99	VANADIUM,Total ug/l	Total	5		K
PL-03		29-Jun-99	ZINC,Total ug/l	Total	100		K
PL-03		29-Jun-99	HARDNESS, CA,MG mg/l		339		C
PL-03		29-Jun-99	TEMPERATURE, AIR deg C		21		
PL-03		29-Jun-99	TEMPERATURE, WATER deg C		20.61		
PL-03		29-Jun-99	DISSOLVED OXYGEN (DO) mg/l		8.73		
PL-03		29-Jun-99	CONDUCTANCE, SPECIFIC umho/cm		678		
PL-03		29-Jun-99	PH		8.12		
PL-03		28-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		4.3		
PL-03		28-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.63		
PL-03		28-Sep-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1.2		
PL-03		28-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	1.6		
PL-03		28-Sep-99	SOLIDS, FIXED,Total mg/l	Total	372		
PL-03		28-Sep-99	SOLIDS, FIXED,Volatile mg/l	Volatile	46		
PL-03		28-Sep-99	TURBIDITY FTU		150		
PL-03		28-Sep-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		28-Sep-99	LEAD,Total ug/l	Total	5		K
PL-03		28-Sep-99	CALCIUM,Dissolved mg/l	Dissolved	40		
PL-03		28-Sep-99	MAGNESIUM,Dissolved mg/l	Dissolved	19		
PL-03		28-Sep-99	ALUMINUM,Total ug/l	Total	3800		
PL-03		28-Sep-99	BARIUM,Total ug/l	Total	90		
PL-03		28-Sep-99	BORON,Total ug/l	Total	28		
PL-03		28-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		28-Sep-99	CADMIUM,Total ug/l	Total	3		K
PL-03		28-Sep-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		28-Sep-99	COPPER,Total ug/l	Total	10		K
PL-03		28-Sep-99	COBALT,Total ug/l	Total	10		K
PL-03		28-Sep-99	IRON,Total ug/l	Total	4600		
PL-03		28-Sep-99	MANGANESE,Total ug/l	Total	390		
PL-03		28-Sep-99	NICKEL,Total ug/l	Total	25		K
PL-03		28-Sep-99	SILVER,Total ug/l	Total	3		K
PL-03		28-Sep-99	STRONTIUM,Total ug/l	Total	88		
PL-03		28-Sep-99	VANADIUM,Total ug/l	Total	8		
PL-03		28-Sep-99	ZINC,Total ug/l	Total	100		K
PL-03		28-Sep-99	HARDNESS, CA,MG mg/l		220		C
PL-03		28-Sep-99	TEMPERATURE, AIR deg C		14		
PL-03		28-Sep-99	TEMPERATURE, WATER deg C		14.13		
PL-03		28-Sep-99	DISSOLVED OXYGEN (DO) mg/l		8.17		
PL-03		28-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		468		
PL-03		28-Sep-99	PH		7.71		
PL-03		28-Sep-99	SODIUM,Dissolved mg/l	Dissolved	22		
PL-03		28-Sep-99	POTASSIUM,Dissolved mg/l	Dissolved	4.5		
PL-03		28-Sep-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		28-Sep-99	BARIUM,Dissolved ug/l	Dissolved	35		
PL-03		28-Sep-99	BORON,Dissolved ug/l	Dissolved	17		
PL-03		28-Sep-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		28-Sep-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		28-Sep-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		28-Sep-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		28-Sep-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		28-Sep-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		28-Sep-99	MANGANESE,Dissolved ug/l	Dissolved	95		
PL-03		28-Sep-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		28-Sep-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		28-Sep-99	STRONTIUM,Dissolved ug/l	Dissolved	67		
PL-03		28-Sep-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		28-Sep-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		28-Sep-99	CALCIUM,Total mg/l	Total	51		
PL-03		28-Sep-99	MAGNESIUM,Total mg/l	Total	23		

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PL-03		28-Sep-99	SODIUM,Total mg/l	Total	22		
PL-03		28-Sep-99	POTASSIUM,Total mg/l	Total	5.2		
PL-03		19-Oct-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		4.9		
PL-03		19-Oct-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.34		
PL-03		19-Oct-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1		
PL-03		19-Oct-99	PHOSPHORUS AS P,Total mg/l	Total	1.1		
PL-03		19-Oct-99	SOLIDS, FIXED,Total mg/l	Total	13		
PL-03		19-Oct-99	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		19-Oct-99	NITROGEN, KJELDAHL,Total mg/l	Total	0.28		
PL-03		19-Oct-99	TURBIDITY FTU		1.7		
PL-03		19-Oct-99	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		19-Oct-99	LEAD,Total ug/l	Total	5		K
PL-03		19-Oct-99	CALCIUM,Dissolved mg/l	Dissolved	84		
PL-03		19-Oct-99	MAGNESIUM,Dissolved mg/l	Dissolved	42		
PL-03		19-Oct-99	SODIUM,Dissolved mg/l	Dissolved	40		
PL-03		19-Oct-99	POTASSIUM,Dissolved mg/l	Dissolved	3.9		
PL-03		19-Oct-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		19-Oct-99	BARIUM,Dissolved ug/l	Dissolved	54		
PL-03		19-Oct-99	BORON,Dissolved ug/l	Dissolved	47		
PL-03		19-Oct-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		19-Oct-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		19-Oct-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		19-Oct-99	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		19-Oct-99	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		19-Oct-99	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		19-Oct-99	MANGANESE,Dissolved ug/l	Dissolved	49		
PL-03		19-Oct-99	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		19-Oct-99	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		19-Oct-99	STRONTIUM,Dissolved ug/l	Dissolved	150		
PL-03		19-Oct-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		19-Oct-99	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		19-Oct-99	CALCIUM,Total mg/l	Total	81		
PL-03		19-Oct-99	MAGNESIUM,Total mg/l	Total	41		
PL-03		19-Oct-99	SODIUM,Total mg/l	Total	38		
PL-03		19-Oct-99	POTASSIUM,Total mg/l	Total	4.9		
PL-03		19-Oct-99	ALUMINUM,Total ug/l	Total	190		
PL-03		19-Oct-99	BARIUM,Total ug/l	Total	56		
PL-03		19-Oct-99	BORON,Total ug/l	Total	42		
PL-03		19-Oct-99	BERYLLIUM,Total ug/l	Total	1		K
PL-03		19-Oct-99	CADMIUM,Total ug/l	Total	3		K
PL-03		19-Oct-99	CHROMIUM,Total ug/l	Total	5		K
PL-03		19-Oct-99	COPPER,Total ug/l	Total	10		K
PL-03		19-Oct-99	COBALT,Total ug/l	Total	10		K
PL-03		19-Oct-99	IRON,Total ug/l	Total	330		
PL-03		19-Oct-99	MANGANESE,Total ug/l	Total	61		
PL-03		19-Oct-99	NICKEL,Total ug/l	Total	25		K
PL-03		19-Oct-99	SILVER,Total ug/l	Total	3		K
PL-03		19-Oct-99	STRONTIUM,Total ug/l	Total	140		
PL-03		19-Oct-99	VANADIUM,Total ug/l	Total	5		K
PL-03		19-Oct-99	ZINC,Total ug/l	Total	100		K
PL-03		19-Oct-99	HARDNESS, CA,MG mg/l		370		C
PL-03		19-Oct-99	TEMPERATURE, AIR deg C		14		
PL-03		19-Oct-99	TEMPERATURE, WATER deg C		10.73		
PL-03		19-Oct-99	DISSOLVED OXYGEN (DO) mg/l		10.45		
PL-03		19-Oct-99	CONDUCTANCE, SPECIFIC umho/cm		777		
PL-03		19-Oct-99	PH		8.36		
PL-03		05-Jan-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		5.8		
PL-03		05-Jan-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.04		
PL-03		05-Jan-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.92		
PL-03		05-Jan-00	PHOSPHORUS AS P,Total mg/l	Total	0.98		
PL-03		05-Jan-00	SOLIDS, FIXED,Total mg/l	Total	17		
PL-03		05-Jan-00	SOLIDS, FIXED,Volatile mg/l	Volatile	6		
PL-03		05-Jan-00	NITROGEN, KJELDAHL,Total mg/l	Total	0.21		
PL-03		05-Jan-00	TURBIDITY FTU		3.3		
PL-03		05-Jan-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		05-Jan-00	LEAD,Total ug/l	Total	5		K
PL-03		05-Jan-00	CALCIUM,Dissolved mg/l	Dissolved	72		
PL-03		05-Jan-00	MAGNESIUM,Dissolved mg/l	Dissolved	35		

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PL-03		05-Jan-00	SODIUM,Dissolved mg/l	Dissolved	37		
PL-03		05-Jan-00	POTASSIUM,Dissolved mg/l	Dissolved	4		
PL-03		05-Jan-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		05-Jan-00	BARIUM,Dissolved ug/l	Dissolved	50		
PL-03		05-Jan-00	BORON,Dissolved ug/l	Dissolved	33		
PL-03		05-Jan-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		05-Jan-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		05-Jan-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		05-Jan-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		05-Jan-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		05-Jan-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		05-Jan-00	MANGANESE,Dissolved ug/l	Dissolved	66		
PL-03		05-Jan-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		05-Jan-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		05-Jan-00	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		05-Jan-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		05-Jan-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		05-Jan-00	CALCIUM,Total mg/l	Total	76		
PL-03		05-Jan-00	MAGNESIUM,Total mg/l	Total	37		
PL-03		05-Jan-00	SODIUM,Total mg/l	Total	38		
PL-03		05-Jan-00	POTASSIUM,Total mg/l	Total	4.1		
PL-03		05-Jan-00	ALUMINUM,Total ug/l	Total	110		
PL-03		05-Jan-00	BARIUM,Total ug/l	Total	56		
PL-03		05-Jan-00	BORON,Total ug/l	Total	37		
PL-03		05-Jan-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		05-Jan-00	CADMIUM,Total ug/l	Total	3		K
PL-03		05-Jan-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		05-Jan-00	COPPER,Total ug/l	Total	10		K
PL-03		05-Jan-00	COBALT,Total ug/l	Total	10		K
PL-03		05-Jan-00	IRON,Total ug/l	Total	380		
PL-03		05-Jan-00	MANGANESE,Total ug/l	Total	95		
PL-03		05-Jan-00	NICKEL,Total ug/l	Total	25		K
PL-03		05-Jan-00	SILVER,Total ug/l	Total	3		K
PL-03		05-Jan-00	STRONTIUM,Total ug/l	Total	140		
PL-03		05-Jan-00	VANADIUM,Total ug/l	Total	5		K
PL-03		05-Jan-00	ZINC,Total ug/l	Total	100		K
PL-03		05-Jan-00	HARDNESS, CA,MG mg/l		339		C
PL-03		05-Jan-00	TEMPERATURE, AIR deg C		-5		
PL-03		05-Jan-00	TEMPERATURE, WATER deg C		0.11		
PL-03		05-Jan-00	DISSOLVED OXYGEN (DO) mg/l		12.66		
PL-03		05-Jan-00	CONDUCTANCE, SPECIFIC umho/cm		776		
PL-03		05-Jan-00	PH		7.75		
PL-03		13-Apr-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		6.1		
PL-03		13-Apr-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		13-Apr-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.25		
PL-03		13-Apr-00	PHOSPHORUS AS P,Total mg/l	Total	0.27		
PL-03		13-Apr-00	SOLIDS, FIXED,Total mg/l	Total	8		
PL-03		13-Apr-00	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		13-Apr-00	NITROGEN, KJELDAHL,Total mg/l	Total	0.47		
PL-03		13-Apr-00	TURBIDITY FTU		6.3		
PL-03		13-Apr-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		13-Apr-00	LEAD,Total ug/l	Total	5		K
PL-03		13-Apr-00	CALCIUM,Dissolved mg/l	Dissolved	73		
PL-03		13-Apr-00	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		13-Apr-00	SODIUM,Dissolved mg/l	Dissolved	37		
PL-03		13-Apr-00	POTASSIUM,Dissolved mg/l	Dissolved	2.8		
PL-03		13-Apr-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		13-Apr-00	BARIUM,Dissolved ug/l	Dissolved	52		
PL-03		13-Apr-00	BORON,Dissolved ug/l	Dissolved	43		
PL-03		13-Apr-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		13-Apr-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		13-Apr-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		13-Apr-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		13-Apr-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		13-Apr-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		13-Apr-00	MANGANESE,Dissolved ug/l	Dissolved	43		
PL-03		13-Apr-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		13-Apr-00	SILVER,Dissolved ug/l	Dissolved	3		K

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PL-03		13-Apr-00	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		13-Apr-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		13-Apr-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		13-Apr-00	CALCIUM,Total mg/l	Total	76		
PL-03		13-Apr-00	MAGNESIUM,Total mg/l	Total	38		
PL-03		13-Apr-00	SODIUM,Total mg/l	Total	38		
PL-03		13-Apr-00	POTASSIUM,Total mg/l	Total	3.5		
PL-03		13-Apr-00	ALUMINUM,Total ug/l	Total	100		K
PL-03		13-Apr-00	BARIUM,Total ug/l	Total	62		
PL-03		13-Apr-00	BORON,Total ug/l	Total	41		
PL-03		13-Apr-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		13-Apr-00	CADMIUM,Total ug/l	Total	3		K
PL-03		13-Apr-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		13-Apr-00	COPPER,Total ug/l	Total	10		K
PL-03		13-Apr-00	COBALT,Total ug/l	Total	10		K
PL-03		13-Apr-00	IRON,Total ug/l	Total	180		
PL-03		13-Apr-00	MANGANESE,Total ug/l	Total	55		
PL-03		13-Apr-00	NICKEL,Total ug/l	Total	25		K
PL-03		13-Apr-00	SILVER,Total ug/l	Total	3		K
PL-03		13-Apr-00	STRONTIUM,Total ug/l	Total	130		
PL-03		13-Apr-00	VANADIUM,Total ug/l	Total	5		K
PL-03		13-Apr-00	ZINC,Total ug/l	Total	100		K
PL-03		13-Apr-00	HARDNESS, CA,MG mg/l		346		C
PL-03		13-Apr-00	TEMPERATURE, AIR deg C		12		
PL-03		13-Apr-00	TEMPERATURE, WATER deg C		8.63		
PL-03		13-Apr-00	DISSOLVED OXYGEN (DO) mg/l		10.89		
PL-03		13-Apr-00	CONDUCTANCE, SPECIFIC umho/cm		743		
PL-03		13-Apr-00	PH		8.4		
PL-03		02-Feb-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		5.8		
PL-03		02-Feb-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.05		
PL-03		02-Feb-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.91		
PL-03		02-Feb-00	PHOSPHORUS AS P,Total mg/l	Total	0.95		
PL-03		02-Feb-00	SOLIDS, FIXED,Total mg/l	Total	6		
PL-03		02-Feb-00	SOLIDS, FIXED,Volatile mg/l	Volatile	3		
PL-03		02-Feb-00	NITROGEN, KJELDAHL,Total mg/l	Total	0.99		
PL-03		02-Feb-00	TURBIDITY FTU		3.4		
PL-03		02-Feb-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		02-Feb-00	LEAD,Total ug/l	Total	6.7		
PL-03		02-Feb-00	CALCIUM,Dissolved mg/l	Dissolved	77		
PL-03		02-Feb-00	MAGNESIUM,Dissolved mg/l	Dissolved	38		
PL-03		02-Feb-00	SODIUM,Dissolved mg/l	Dissolved	57		
PL-03		02-Feb-00	POTASSIUM,Dissolved mg/l	Dissolved	4		
PL-03		02-Feb-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		02-Feb-00	BARIUM,Dissolved ug/l	Dissolved	54		
PL-03		02-Feb-00	BORON,Dissolved ug/l	Dissolved	42		
PL-03		02-Feb-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		02-Feb-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		02-Feb-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		02-Feb-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		02-Feb-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		02-Feb-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		02-Feb-00	MANGANESE,Dissolved ug/l	Dissolved	64		
PL-03		02-Feb-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		02-Feb-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		02-Feb-00	STRONTIUM,Dissolved ug/l	Dissolved	140		
PL-03		02-Feb-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		02-Feb-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		02-Feb-00	CALCIUM,Total mg/l	Total	79		
PL-03		02-Feb-00	MAGNESIUM,Total mg/l	Total	38		
PL-03		02-Feb-00	SODIUM,Total mg/l	Total	58		
PL-03		02-Feb-00	POTASSIUM,Total mg/l	Total	4.3		
PL-03		02-Feb-00	ALUMINUM,Total ug/l	Total	100		K
PL-03		02-Feb-00	BARIUM,Total ug/l	Total	58		
PL-03		02-Feb-00	BORON,Total ug/l	Total	46		
PL-03		02-Feb-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		02-Feb-00	CADMIUM,Total ug/l	Total	3		K
PL-03		02-Feb-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		02-Feb-00	COPPER,Total ug/l	Total	10		K

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PL-03		02-Feb-00	COBALT,Total ug/l	Total	10		K
PL-03		02-Feb-00	IRON,Total ug/l	Total	180		
PL-03		02-Feb-00	MANGANESE,Total ug/l	Total	69		
PL-03		02-Feb-00	NICKEL,Total ug/l	Total	25		K
PL-03		02-Feb-00	SILVER,Total ug/l	Total	3		K
PL-03		02-Feb-00	STRONTIUM,Total ug/l	Total	140		
PL-03		02-Feb-00	VANADIUM,Total ug/l	Total	5		K
PL-03		02-Feb-00	ZINC,Total ug/l	Total	100		K
PL-03		02-Feb-00	HARDNESS, CA,MG mg/l		355		C
PL-03		02-Feb-00	TEMPERATURE, AIR deg C		-5		
PL-03		02-Feb-00	TEMPERATURE, WATER deg C		-0.17		
PL-03		02-Feb-00	DISSOLVED OXYGEN (DO) mg/l		11.63		
PL-03		02-Feb-00	CONDUCTANCE, SPECIFIC umho/cm		853		
PL-03		02-Feb-00	PH		7.77		
PL-03		31-May-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		9.5		
PL-03		31-May-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		31-May-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.25		
PL-03		31-May-00	PHOSPHORUS AS P,Total mg/l	Total	0.34		
PL-03		31-May-00	SOLIDS, FIXED,Total mg/l	Total	124		
PL-03		31-May-00	SOLIDS, FIXED,Volatile mg/l	Volatile	18		
PL-03		31-May-00	TURBIDITY FTU		60		
PL-03		31-May-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		31-May-00	LEAD,Total ug/l	Total	5		K
PL-03		31-May-00	CALCIUM,Dissolved mg/l	Dissolved	71		
PL-03		31-May-00	MAGNESIUM,Dissolved mg/l	Dissolved	34		
PL-03		31-May-00	SODIUM,Dissolved mg/l	Dissolved	16		
PL-03		31-May-00	POTASSIUM,Dissolved mg/l	Dissolved	2.2		
PL-03		31-May-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		31-May-00	BARIUM,Dissolved ug/l	Dissolved	63		
PL-03		31-May-00	BORON,Dissolved ug/l	Dissolved	25		
PL-03		31-May-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		31-May-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		31-May-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		31-May-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		31-May-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		31-May-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		31-May-00	MANGANESE,Dissolved ug/l	Dissolved	27		
PL-03		31-May-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		31-May-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		31-May-00	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		31-May-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		31-May-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		31-May-00	CALCIUM,Total mg/l	Total	74		
PL-03		31-May-00	MAGNESIUM,Total mg/l	Total	35		
PL-03		31-May-00	SODIUM,Total mg/l	Total	16		
PL-03		31-May-00	POTASSIUM,Total mg/l	Total	1.6		
PL-03		31-May-00	ALUMINUM,Total ug/l	Total	700		
PL-03		31-May-00	BARIUM,Total ug/l	Total	77		
PL-03		31-May-00	BORON,Total ug/l	Total	27		
PL-03		31-May-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		31-May-00	CADMIUM,Total ug/l	Total	3		K
PL-03		31-May-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		31-May-00	COPPER,Total ug/l	Total	10		K
PL-03		31-May-00	COBALT,Total ug/l	Total	10		K
PL-03		31-May-00	IRON,Total ug/l	Total	1100		
PL-03		31-May-00	MANGANESE,Total ug/l	Total	96		
PL-03		31-May-00	NICKEL,Total ug/l	Total	25		K
PL-03		31-May-00	SILVER,Total ug/l	Total	3		K
PL-03		31-May-00	STRONTIUM,Total ug/l	Total	110		
PL-03		31-May-00	VANADIUM,Total ug/l	Total	5		K
PL-03		31-May-00	ZINC,Total ug/l	Total	100		K
PL-03		31-May-00	HARDNESS, CA,MG mg/l		330		C
PL-03		31-May-00	TEMPERATURE, AIR deg C		19		
PL-03		31-May-00	TEMPERATURE, WATER deg C		18.33		
PL-03		31-May-00	DISSOLVED OXYGEN (DO) mg/l		7.87		
PL-03		31-May-00	CONDUCTANCE, SPECIFIC umho/cm		633		
PL-03		31-May-00	PH		7.97		
PL-03		13-Jul-00	VANADIUM,Total ug/l	Total	5		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		13-Jul-00	ZINC,Total ug/l	Total	100		K
PL-03		13-Jul-00	HARDNESS, CA,MG mg/l		308		C
PL-03		13-Jul-00	TEMPERATURE, WATER deg C		20.21		
PL-03		13-Jul-00	DISSOLVED OXYGEN (DO) mg/l		7.95		
PL-03		13-Jul-00	CONDUCTANCE, SPECIFIC umho/cm		628		
PL-03		13-Jul-00	PH		7.65		
PL-03		13-Jul-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		11		
PL-03		13-Jul-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		13-Jul-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.17		
PL-03		13-Jul-00	PHOSPHORUS AS P,Total mg/l	Total	0.24		
PL-03		13-Jul-00	SOLIDS, FIXED,Total mg/l	Total	80		
PL-03		13-Jul-00	SOLIDS, FIXED,Volatile mg/l	Volatile	8		
PL-03		13-Jul-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		13-Jul-00	LEAD,Total ug/l	Total	5		K
PL-03		13-Jul-00	CALCIUM,Dissolved mg/l	Dissolved	69		
PL-03		13-Jul-00	MAGNESIUM,Dissolved mg/l	Dissolved	31		
PL-03		13-Jul-00	SODIUM,Dissolved mg/l	Dissolved	12		
PL-03		13-Jul-00	POTASSIUM,Dissolved mg/l	Dissolved	2		
PL-03		13-Jul-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		13-Jul-00	BARIUM,Dissolved ug/l	Dissolved	71		
PL-03		13-Jul-00	BORON,Dissolved ug/l	Dissolved	41		
PL-03		13-Jul-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		13-Jul-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		13-Jul-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		13-Jul-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		13-Jul-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		13-Jul-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		13-Jul-00	MANGANESE,Dissolved ug/l	Dissolved	15		
PL-03		13-Jul-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		13-Jul-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		13-Jul-00	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		13-Jul-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		13-Jul-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		13-Jul-00	CALCIUM,Total mg/l	Total	71		
PL-03		13-Jul-00	MAGNESIUM,Total mg/l	Total	32		
PL-03		13-Jul-00	SODIUM,Total mg/l	Total	12		
PL-03		13-Jul-00	POTASSIUM,Total mg/l	Total	2.1		
PL-03		13-Jul-00	ALUMINUM,Total ug/l	Total	740		
PL-03		13-Jul-00	BARIUM,Total ug/l	Total	86		
PL-03		13-Jul-00	BORON,Total ug/l	Total	33		
PL-03		13-Jul-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		13-Jul-00	CADMIUM,Total ug/l	Total	3		K
PL-03		13-Jul-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		13-Jul-00	COPPER,Total ug/l	Total	10		K
PL-03		13-Jul-00	COBALT,Total ug/l	Total	10		K
PL-03		13-Jul-00	IRON,Total ug/l	Total	1100		
PL-03		13-Jul-00	MANGANESE,Total ug/l	Total	81		
PL-03		13-Jul-00	NICKEL,Total ug/l	Total	25		K
PL-03		13-Jul-00	SILVER,Total ug/l	Total	3		K
PL-03		13-Jul-00	STRONTIUM,Total ug/l	Total	110		
PL-03		10-Aug-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		8.4		
PL-03		10-Aug-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		10-Aug-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.39		
PL-03		10-Aug-00	PHOSPHORUS AS P,Total mg/l	Total	0.43		
PL-03		10-Aug-00	SOLIDS, FIXED,Total mg/l	Total	28		
PL-03		10-Aug-00	SOLIDS, FIXED,Volatile mg/l	Volatile	5		
PL-03		10-Aug-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		10-Aug-00	LEAD,Total ug/l	Total	5		K
PL-03		10-Aug-00	CALCIUM,Dissolved mg/l	Dissolved	79		
PL-03		10-Aug-00	MAGNESIUM,Dissolved mg/l	Dissolved	38		
PL-03		10-Aug-00	SODIUM,Dissolved mg/l	Dissolved	21		
PL-03		10-Aug-00	POTASSIUM,Dissolved mg/l	Dissolved	2		
PL-03		10-Aug-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		10-Aug-00	BARIUM,Dissolved ug/l	Dissolved	71		
PL-03		10-Aug-00	BORON,Dissolved ug/l	Dissolved	42		
PL-03		10-Aug-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		10-Aug-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		10-Aug-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K

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PL-03		10-Aug-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		10-Aug-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		10-Aug-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		10-Aug-00	MANGANESE,Dissolved ug/l	Dissolved	22		
PL-03		10-Aug-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		10-Aug-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		10-Aug-00	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		10-Aug-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		10-Aug-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		10-Aug-00	CALCIUM,Total mg/l	Total	79		
PL-03		10-Aug-00	MAGNESIUM,Total mg/l	Total	38		
PL-03		10-Aug-00	SODIUM,Total mg/l	Total	21		
PL-03		10-Aug-00	POTASSIUM,Total mg/l	Total	2.2		
PL-03		10-Aug-00	ALUMINUM,Total ug/l	Total	340		
PL-03		10-Aug-00	BARIUM,Total ug/l	Total	76		
PL-03		10-Aug-00	BORON,Total ug/l	Total	39		
PL-03		10-Aug-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		10-Aug-00	CADMIUM,Total ug/l	Total	3		K
PL-03		10-Aug-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		10-Aug-00	COPPER,Total ug/l	Total	10		K
PL-03		10-Aug-00	COBALT,Total ug/l	Total	10		K
PL-03		10-Aug-00	IRON,Total ug/l	Total	560		
PL-03		10-Aug-00	MANGANESE,Total ug/l	Total	56		
PL-03		10-Aug-00	NICKEL,Total ug/l	Total	25		K
PL-03		10-Aug-00	SILVER,Total ug/l	Total	3		K
PL-03		10-Aug-00	STRONTIUM,Total ug/l	Total	120		
PL-03		10-Aug-00	VANADIUM,Total ug/l	Total	5		K
PL-03		10-Aug-00	ZINC,Total ug/l	Total	100		K
PL-03		10-Aug-00	HARDNESS, CA,MG mg/l		351		C
PL-03		10-Aug-00	TEMPERATURE, AIR deg C		33		
PL-03		10-Aug-00	TEMPERATURE, WATER deg C		22.43		
PL-03		10-Aug-00	DISSOLVED OXYGEN (DO) mg/l		7.49		
PL-03		10-Aug-00	CONDUCTANCE, SPECIFIC umho/cm		726		
PL-03		10-Aug-00	PH		7.95		
PL-03		13-Oct-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		6.7		
PL-03		13-Oct-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		13-Oct-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.68		
PL-03		13-Oct-00	PHOSPHORUS AS P,Total mg/l	Total	0.69		
PL-03		13-Oct-00	SOLIDS, FIXED,Total mg/l	Total	3		
PL-03		13-Oct-00	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		13-Oct-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		13-Oct-00	LEAD,Total ug/l	Total	5		K
PL-03		13-Oct-00	CALCIUM,Dissolved mg/l	Dissolved	78		
PL-03		13-Oct-00	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		13-Oct-00	SODIUM,Dissolved mg/l	Dissolved	34		
PL-03		13-Oct-00	POTASSIUM,Dissolved mg/l	Dissolved	3.6		
PL-03		13-Oct-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		13-Oct-00	BARIUM,Dissolved ug/l	Dissolved	92		
PL-03		13-Oct-00	BORON,Dissolved ug/l	Dissolved	39		
PL-03		13-Oct-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		13-Oct-00	COPPER,Total ug/l	Total	10		K
PL-03		13-Oct-00	COBALT,Total ug/l	Total	10		K
PL-03		13-Oct-00	IRON,Total ug/l	Total	92		
PL-03		13-Oct-00	MANGANESE,Total ug/l	Total	37		
PL-03		13-Oct-00	NICKEL,Total ug/l	Total	25		K
PL-03		13-Oct-00	SILVER,Total ug/l	Total	3		K
PL-03		13-Oct-00	STRONTIUM,Total ug/l	Total	130		
PL-03		13-Oct-00	VANADIUM,Total ug/l	Total	5		K
PL-03		13-Oct-00	ZINC,Total ug/l	Total	100		K
PL-03		13-Oct-00	HARDNESS, CA,MG mg/l		353		C
PL-03		13-Oct-00	TEMPERATURE, AIR deg C		26		
PL-03		13-Oct-00	TEMPERATURE, WATER deg C		12.45		
PL-03		13-Oct-00	DISSOLVED OXYGEN (DO) mg/l		11.73		
PL-03		13-Oct-00	CONDUCTANCE, SPECIFIC umho/cm		790		
PL-03		13-Oct-00	PH		8.36		
PL-03		13-Oct-00	TURBIDITY FTU		3.5		
PL-03		13-Oct-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		
PL-03		13-Oct-00	CADMIUM,Dissolved ug/l	Dissolved	3		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		13-Oct-00	CHROMIUM,Dissolved ug/l	Dissolved	5		
PL-03		13-Oct-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		13-Oct-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		13-Oct-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		13-Oct-00	MANGANESE,Dissolved ug/l	Dissolved	36		
PL-03		13-Oct-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		13-Oct-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		13-Oct-00	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		13-Oct-00	VANADIUM,Dissolved ug/l	Dissolved	9		
PL-03		13-Oct-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		13-Oct-00	CALCIUM,Total mg/l	Total	80		
PL-03		13-Oct-00	MAGNESIUM,Total mg/l	Total	38		
PL-03		13-Oct-00	SODIUM,Total mg/l	Total	35		
PL-03		13-Oct-00	POTASSIUM,Total mg/l	Total	3.4		
PL-03		13-Oct-00	ALUMINUM,Total ug/l	Total	100		K
PL-03		13-Oct-00	BARIUM,Total ug/l	Total	73		
PL-03		13-Oct-00	BORON,Total ug/l	Total	41		
PL-03		13-Oct-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		13-Oct-00	CADMIUM,Total ug/l	Total	3		K
PL-03		30-Nov-00	MANGANESE,Total ug/l	Total	42		
PL-03		30-Nov-00	NICKEL,Total ug/l	Total	25		K
PL-03		30-Nov-00	SILVER,Total ug/l	Total	3		K
PL-03		30-Nov-00	STRONTIUM,Total ug/l	Total	130		
PL-03		30-Nov-00	VANADIUM,Total ug/l	Total	5		K
PL-03		30-Nov-00	ZINC,Total ug/l	Total	100		K
PL-03		30-Nov-00	HARDNESS, CA,MG mg/l		344		C
PL-03		30-Nov-00	TEMPERATURE, AIR deg C		5		
PL-03		30-Nov-00	TEMPERATURE, WATER deg C		3.61		
PL-03		30-Nov-00	DISSOLVED OXYGEN (DO) mg/l		12.49		
PL-03		30-Nov-00	CONDUCTANCE, SPECIFIC umho/cm		757		
PL-03		30-Nov-00	PH		8		
PL-03		30-Nov-00	TURBIDITY FTU		4		
PL-03		30-Nov-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		7.3		
PL-03		30-Nov-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.09		
PL-03		30-Nov-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.83		
PL-03		30-Nov-00	PHOSPHORUS AS P,Total mg/l	Total	0.86		
PL-03		30-Nov-00	SOLIDS, FIXED,Total mg/l	Total	4		
PL-03		30-Nov-00	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		30-Nov-00	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		30-Nov-00	LEAD,Total ug/l	Total	5		K
PL-03		30-Nov-00	CALCIUM,Dissolved mg/l	Dissolved	76		
PL-03		30-Nov-00	MAGNESIUM,Dissolved mg/l	Dissolved	36		
PL-03		30-Nov-00	SODIUM,Dissolved mg/l	Dissolved	34		
PL-03		30-Nov-00	POTASSIUM,Dissolved mg/l	Dissolved	3.4		
PL-03		30-Nov-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		30-Nov-00	BARIUM,Dissolved ug/l	Dissolved	57		
PL-03		30-Nov-00	BORON,Dissolved ug/l	Dissolved	40		
PL-03		30-Nov-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		30-Nov-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		30-Nov-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		30-Nov-00	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		30-Nov-00	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		30-Nov-00	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		30-Nov-00	MANGANESE,Dissolved ug/l	Dissolved	35		
PL-03		30-Nov-00	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		30-Nov-00	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		30-Nov-00	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		30-Nov-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		30-Nov-00	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		30-Nov-00	CALCIUM,Total mg/l	Total	78		
PL-03		30-Nov-00	MAGNESIUM,Total mg/l	Total	36		
PL-03		30-Nov-00	SODIUM,Total mg/l	Total	34		
PL-03		30-Nov-00	POTASSIUM,Total mg/l	Total	3.2		
PL-03		30-Nov-00	ALUMINUM,Total ug/l	Total	100		K
PL-03		30-Nov-00	BARIUM,Total ug/l	Total	60		
PL-03		30-Nov-00	BORON,Total ug/l	Total	46		
PL-03		30-Nov-00	BERYLLIUM,Total ug/l	Total	1		K
PL-03		30-Nov-00	CADMIUM,Total ug/l	Total	3		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		30-Nov-00	CHROMIUM,Total ug/l	Total	5		K
PL-03		30-Nov-00	COPPER,Total ug/l	Total	10		K
PL-03		30-Nov-00	COBALT,Total ug/l	Total	10		K
PL-03		30-Nov-00	IRON,Total ug/l	Total	140		
PL-03		20-Jun-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		8.5		
PL-03		20-Jun-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.06		
PL-03		20-Jun-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.19		
PL-03		20-Jun-01	PHOSPHORUS AS P,Total mg/l	Total	0.22		
PL-03		20-Jun-01	SOLIDS, FIXED,Total mg/l	Total	26		
PL-03		20-Jun-01	SOLIDS, FIXED,Volatile mg/l	Volatile	4		
PL-03		20-Jun-01	LEAD,Total ug/l	Total	5		K
PL-03		20-Jun-01	MERCURY,Total	Total	0.1		K
PL-03		20-Jun-01	CALCIUM,Dissolved mg/l	Dissolved	79		
PL-03		20-Jun-01	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		20-Jun-01	SODIUM,Dissolved mg/l	Dissolved	21		
PL-03		20-Jun-01	POTASSIUM,Dissolved mg/l	Dissolved	2.8		
PL-03		20-Jun-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		20-Jun-01	BARIUM,Dissolved ug/l	Dissolved	71		
PL-03		20-Jun-01	BORON,Dissolved ug/l	Dissolved	41		
PL-03		20-Jun-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		20-Jun-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		20-Jun-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		20-Jun-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		20-Jun-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		20-Jun-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		20-Jun-01	MANGANESE,Dissolved ug/l	Dissolved	17		
PL-03		20-Jun-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		20-Jun-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		20-Jun-01	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		20-Jun-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		20-Jun-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		20-Jun-01	CALCIUM,Total mg/l	Total	79		
PL-03		20-Jun-01	MAGNESIUM,Total mg/l	Total	37		
PL-03		20-Jun-01	SODIUM,Total mg/l	Total	21		
PL-03		20-Jun-01	POTASSIUM,Total mg/l	Total	2.6		
PL-03		20-Jun-01	ALUMINUM,Total ug/l	Total	190		
PL-03		20-Jun-01	BARIUM,Total ug/l	Total	74		
PL-03		20-Jun-01	BORON,Total ug/l	Total	37		
PL-03		20-Jun-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		20-Jun-01	CADMIUM,Total ug/l	Total	3		K
PL-03		20-Jun-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		20-Jun-01	COPPER,Total ug/l	Total	10		K
PL-03		20-Jun-01	COBALT,Total ug/l	Total	10		K
PL-03		20-Jun-01	IRON,Total ug/l	Total	270		
PL-03		20-Jun-01	MANGANESE,Total ug/l	Total	32		
PL-03		20-Jun-01	NICKEL,Total ug/l	Total	25		K
PL-03		20-Jun-01	SILVER,Total ug/l	Total	3		K
PL-03		20-Jun-01	STRONTIUM,Total ug/l	Total	130		
PL-03		20-Jun-01	VANADIUM,Total ug/l	Total	5		K
PL-03		20-Jun-01	ZINC,Total ug/l	Total	100		K
PL-03		20-Jun-01	HARDNESS, CA,MG mg/l		348		C
PL-03		20-Jun-01	TEMPERATURE, AIR deg C		25		
PL-03		20-Jun-01	TEMPERATURE, WATER deg C		20.1		
PL-03		20-Jun-01	DISSOLVED OXYGEN (DO) mg/l		7.99		
PL-03		20-Jun-01	CONDUCTANCE, SPECIFIC umho/cm		713		
PL-03		20-Jun-01	PH		8.03		
PL-03		20-Jun-01	TURBIDITY FTU		15		
PL-03		10-Apr-01	CONDUCTANCE, SPECIFIC umho/cm		685		
PL-03		10-Apr-01	PH		7.89		
PL-03		10-Apr-01	TURBIDITY FTU		16		
PL-03		10-Apr-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		7.6		
PL-03		10-Apr-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.07		
PL-03		10-Apr-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.1		
PL-03		10-Apr-01	PHOSPHORUS AS P,Total mg/l	Total	0.13		
PL-03		10-Apr-01	SOLIDS, FIXED,Total mg/l	Total	24		
PL-03		10-Apr-01	SOLIDS, FIXED,Volatile mg/l	Volatile	4		
PL-03		10-Apr-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		10-Apr-01	LEAD,Total ug/l	Total	5		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		10-Apr-01	MERCURY,Total	Total	0.01		K
PL-03		10-Apr-01	CALCIUM,Dissolved mg/l	Dissolved	71		
PL-03		10-Apr-01	MAGNESIUM,Dissolved mg/l	Dissolved	33		
PL-03		10-Apr-01	SODIUM,Dissolved mg/l	Dissolved	23		
PL-03		10-Apr-01	POTASSIUM,Dissolved mg/l	Dissolved	1.6		
PL-03		10-Apr-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		10-Apr-01	BARIUM,Dissolved ug/l	Dissolved	62		
PL-03		10-Apr-01	BORON,Dissolved ug/l	Dissolved	21		
PL-03		10-Apr-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		10-Apr-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		10-Apr-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		10-Apr-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		10-Apr-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		10-Apr-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		10-Apr-01	MANGANESE,Dissolved ug/l	Dissolved	34		
PL-03		10-Apr-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		10-Apr-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		10-Apr-01	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		10-Apr-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		10-Apr-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		10-Apr-01	CALCIUM,Total mg/l	Total	73		
PL-03		10-Apr-01	MAGNESIUM,Total mg/l	Total	34		
PL-03		10-Apr-01	SODIUM,Total mg/l	Total	23		
PL-03		10-Apr-01	POTASSIUM,Total mg/l	Total	1.4		K
PL-03		10-Apr-01	ALUMINUM,Total ug/l	Total	230		
PL-03		10-Apr-01	BARIUM,Total ug/l	Total	68		
PL-03		10-Apr-01	BORON,Total ug/l	Total	25		
PL-03		10-Apr-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		10-Apr-01	CADMIUM,Total ug/l	Total	3		K
PL-03		10-Apr-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		10-Apr-01	COPPER,Total ug/l	Total	10		K
PL-03		10-Apr-01	COBALT,Total ug/l	Total	10		K
PL-03		10-Apr-01	IRON,Total ug/l	Total	370		
PL-03		10-Apr-01	MANGANESE,Total ug/l	Total	52		
PL-03		10-Apr-01	NICKEL,Total ug/l	Total	25		K
PL-03		10-Apr-01	SILVER,Total ug/l	Total	3		K
PL-03		10-Apr-01	STRONTIUM,Total ug/l	Total	110		
PL-03		10-Apr-01	VANADIUM,Total ug/l	Total	5		K
PL-03		10-Apr-01	ZINC,Total ug/l	Total	100		K
PL-03		10-Apr-01	HARDNESS, CA,MG mg/l		320		C
PL-03		10-Apr-01	TEMPERATURE, AIR deg C		11		
PL-03		10-Apr-01	TEMPERATURE, WATER deg C		11.28		
PL-03		10-Apr-01	DISSOLVED OXYGEN (DO) mg/l		11.42		
PL-03		07-Aug-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		3.8		
PL-03		07-Aug-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.11		
PL-03		07-Aug-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.69		
PL-03		07-Aug-01	PHOSPHORUS AS P,Total mg/l	Total	0.74		
PL-03		07-Aug-01	SOLIDS, FIXED,Total mg/l	Total	13		
PL-03		07-Aug-01	SOLIDS, FIXED,Volatile mg/l	Volatile	5		
PL-03		07-Aug-01	NITROGEN, KJELDAHL,Total mg/l	Total	1.14		
PL-03		07-Aug-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		07-Aug-01	LEAD,Total ug/l	Total	5		K
PL-03		07-Aug-01	MERCURY,Total	Total	0.01		K
PL-03		07-Aug-01	CALCIUM,Dissolved mg/l	Dissolved	70		
PL-03		07-Aug-01	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		07-Aug-01	SODIUM,Dissolved mg/l	Dissolved	46		
PL-03		07-Aug-01	POTASSIUM,Dissolved mg/l	Dissolved	6		
PL-03		07-Aug-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		07-Aug-01	BARIUM,Dissolved ug/l	Dissolved	52		
PL-03		07-Aug-01	BORON,Dissolved ug/l	Dissolved	52		
PL-03		07-Aug-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		07-Aug-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		07-Aug-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		07-Aug-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		07-Aug-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		07-Aug-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		07-Aug-01	MANGANESE,Dissolved ug/l	Dissolved	50		
PL-03		07-Aug-01	NICKEL,Dissolved ug/l	Dissolved	25		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		07-Aug-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		07-Aug-01	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		07-Aug-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		07-Aug-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		07-Aug-01	CALCIUM,Total mg/l	Total	70		
PL-03		07-Aug-01	MAGNESIUM,Total mg/l	Total	38		
PL-03		07-Aug-01	SODIUM,Total mg/l	Total	47		
PL-03		07-Aug-01	POTASSIUM,Total mg/l	Total	5.6		
PL-03		07-Aug-01	ALUMINUM,Total ug/l	Total	100		K
PL-03		07-Aug-01	BARIUM,Total ug/l	Total	55		
PL-03		07-Aug-01	BORON,Total ug/l	Total	51		
PL-03		07-Aug-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		07-Aug-01	CADMIUM,Total ug/l	Total	3		K
PL-03		07-Aug-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		07-Aug-01	COPPER,Total ug/l	Total	10		K
PL-03		07-Aug-01	COBALT,Total ug/l	Total	10		K
PL-03		07-Aug-01	IRON,Total ug/l	Total	150		
PL-03		07-Aug-01	MANGANESE,Total ug/l	Total	73		
PL-03		07-Aug-01	NICKEL,Total ug/l	Total	25		K
PL-03		07-Aug-01	SILVER,Total ug/l	Total	3		K
PL-03		07-Aug-01	STRONTIUM,Total ug/l	Total	130		
PL-03		07-Aug-01	VANADIUM,Total ug/l	Total	5		K
PL-03		07-Aug-01	ZINC,Total ug/l	Total	100		K
PL-03		07-Aug-01	HARDNESS, CA,MG mg/l		330		C
PL-03		07-Aug-01	TEMPERATURE, AIR deg C		30		
PL-03		07-Aug-01	TEMPERATURE, WATER deg C		28.64		
PL-03		07-Aug-01	DISSOLVED OXYGEN (DO) mg/l		9.51		
PL-03		07-Aug-01	CONDUCTANCE, SPECIFIC umho/cm		804		
PL-03		07-Aug-01	PH		8.42		
PL-03		07-Aug-01	TURBIDITY NTU		6.3		
PL-03		8/7/2001	Fecal coliform		200	cfu/100ml	
PL-03		12-Jan-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		6.2		
PL-03		12-Jan-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.43		
PL-03		12-Jan-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1		
PL-03		12-Jan-01	PHOSPHORUS AS P,Total mg/l	Total	1		
PL-03		12-Jan-01	SOLIDS, FIXED,Total mg/l	Total	6		
PL-03		12-Jan-01	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		12-Jan-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		12-Jan-01	LEAD,Total ug/l	Total	5		K
PL-03		12-Jan-01	CALCIUM,Dissolved mg/l	Dissolved	74		
PL-03		12-Jan-01	MAGNESIUM,Dissolved mg/l	Dissolved	35		
PL-03		12-Jan-01	SODIUM,Dissolved mg/l	Dissolved	35		
PL-03		12-Jan-01	POTASSIUM,Dissolved mg/l	Dissolved	3		
PL-03		12-Jan-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		12-Jan-01	BARIUM,Dissolved ug/l	Dissolved	47		
PL-03		12-Jan-01	BORON,Dissolved ug/l	Dissolved	38		
PL-03		12-Jan-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		12-Jan-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		12-Jan-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		12-Jan-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		12-Jan-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		12-Jan-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		12-Jan-01	MANGANESE,Dissolved ug/l	Dissolved	45		
PL-03		12-Jan-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		12-Jan-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		12-Jan-01	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		12-Jan-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		12-Jan-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		12-Jan-01	CALCIUM,Total mg/l	Total	80		
PL-03		12-Jan-01	MAGNESIUM,Total mg/l	Total	37		
PL-03		12-Jan-01	SODIUM,Total mg/l	Total	38		
PL-03		12-Jan-01	POTASSIUM,Total mg/l	Total	4		
PL-03		12-Jan-01	ALUMINUM,Total ug/l	Total	100		K
PL-03		12-Jan-01	BARIUM,Total ug/l	Total	53		
PL-03		12-Jan-01	BORON,Total ug/l	Total	39		
PL-03		12-Jan-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		12-Jan-01	CADMIUM,Total ug/l	Total	3		K
PL-03		12-Jan-01	CHROMIUM,Total ug/l	Total	5		K

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PL-03		12-Jan-01	COPPER,Total ug/l	Total	10		K
PL-03		12-Jan-01	COBALT,Total ug/l	Total	10		K
PL-03		12-Jan-01	IRON,Total ug/l	Total	140		
PL-03		12-Jan-01	MANGANESE,Total ug/l	Total	51		
PL-03		12-Jan-01	NICKEL,Total ug/l	Total	25		K
PL-03		12-Jan-01	SILVER,Total ug/l	Total	3		K
PL-03		12-Jan-01	STRONTIUM,Total ug/l	Total	130		
PL-03		12-Jan-01	VANADIUM,Total ug/l	Total	5		K
PL-03		12-Jan-01	ZINC,Total ug/l	Total	100		K
PL-03		12-Jan-01	HARDNESS, CA,MG mg/l		352		C
PL-03		12-Jan-01	TEMPERATURE, AIR deg C		3		
PL-03		12-Jan-01	TEMPERATURE, WATER deg C		-0.11		
PL-03		12-Jan-01	DISSOLVED OXYGEN (DO) mg/l		11.46		
PL-03		12-Jan-01	CONDUCTANCE, SPECIFIC umho/cm		700		
PL-03		12-Jan-01	PH		7.49		
PL-03		12-Jan-01	TURBIDITY FTU		3.6		
PL-03		08-May-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		7.5		
PL-03		08-May-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.07		
PL-03		08-May-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.46		
PL-03		08-May-01	PHOSPHORUS AS P,Total mg/l	Total	0.49		
PL-03		08-May-01	SOLIDS, FIXED,Total mg/l	Total	4		
PL-03		08-May-01	SOLIDS, FIXED,Volatile mg/l	Volatile	1		
PL-03		08-May-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		08-May-01	LEAD,Total ug/l	Total	5		K
PL-03		08-May-01	CALCIUM,Dissolved mg/l	Dissolved	76		
PL-03		08-May-01	MAGNESIUM,Dissolved mg/l	Dissolved	36		
PL-03		08-May-01	SODIUM,Dissolved mg/l	Dissolved	24		
PL-03		08-May-01	POTASSIUM,Dissolved mg/l	Dissolved	2.5		
PL-03		08-May-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		08-May-01	BARIUM,Dissolved ug/l	Dissolved	64		
PL-03		08-May-01	BORON,Dissolved ug/l	Dissolved	45		
PL-03		08-May-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		08-May-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		08-May-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		08-May-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		08-May-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		08-May-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		08-May-01	MANGANESE,Dissolved ug/l	Dissolved	37		
PL-03		08-May-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		08-May-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		08-May-01	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		08-May-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		08-May-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		08-May-01	CALCIUM,Total mg/l	Total	76		
PL-03		08-May-01	MAGNESIUM,Total mg/l	Total	36		
PL-03		08-May-01	SODIUM,Total mg/l	Total	23		
PL-03		08-May-01	POTASSIUM,Total mg/l	Total	2		
PL-03		08-May-01	ALUMINUM,Total ug/l	Total	100		K
PL-03		08-May-01	BARIUM,Total ug/l	Total	66		
PL-03		08-May-01	BORON,Total ug/l	Total	51		
PL-03		08-May-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		08-May-01	CADMIUM,Total ug/l	Total	3		K
PL-03		08-May-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		08-May-01	COPPER,Total ug/l	Total	10		K
PL-03		08-May-01	COBALT,Total ug/l	Total	10		K
PL-03		08-May-01	IRON,Total ug/l	Total	160		
PL-03		08-May-01	MANGANESE,Total ug/l	Total	46		
PL-03		08-May-01	NICKEL,Total ug/l	Total	25		K
PL-03		08-May-01	SILVER,Total ug/l	Total	3		K
PL-03		08-May-01	STRONTIUM,Total ug/l	Total	120		
PL-03		08-May-01	VANADIUM,Total ug/l	Total	5		K
PL-03		08-May-01	ZINC,Total ug/l	Total	100		K
PL-03		08-May-01	HARDNESS, CA,MG mg/l		336		C
PL-03		08-May-01	TEMPERATURE, AIR deg C		20		
PL-03		08-May-01	TEMPERATURE, WATER deg C		14.3		
PL-03		08-May-01	DISSOLVED OXYGEN (DO) mg/l		9.06		
PL-03		08-May-01	CONDUCTANCE, SPECIFIC umho/cm		706		
PL-03		08-May-01	PH		7.98		

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		08-May-01	TURBIDITY FTU		10		
PL-03		06-Mar-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) m		7.9		
PL-03		06-Mar-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		
PL-03		06-Mar-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.3		
PL-03		06-Mar-01	PHOSPHORUS AS P,Total mg/l	Total	0.34		
PL-03		06-Mar-01	SOLIDS, FIXED,Total mg/l	Total	19		
PL-03		06-Mar-01	SOLIDS, FIXED,Volatile mg/l	Volatile	3		
PL-03		06-Mar-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		06-Mar-01	LEAD,Total ug/l	Total	5		K
PL-03		06-Mar-01	CALCIUM,Dissolved mg/l	Dissolved	71		
PL-03		06-Mar-01	MAGNESIUM,Dissolved mg/l	Dissolved	33		
PL-03		06-Mar-01	SODIUM,Dissolved mg/l	Dissolved	17		
PL-03		06-Mar-01	POTASSIUM,Dissolved mg/l	Dissolved	1.8		
PL-03		06-Mar-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		06-Mar-01	BARIUM,Dissolved ug/l	Dissolved	57		
PL-03		06-Mar-01	BORON,Dissolved ug/l	Dissolved	23		
PL-03		06-Mar-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		06-Mar-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		06-Mar-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		06-Mar-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		06-Mar-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		06-Mar-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		06-Mar-01	MANGANESE,Dissolved ug/l	Dissolved	26		
PL-03		06-Mar-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		06-Mar-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		06-Mar-01	STRONTIUM,Dissolved ug/l	Dissolved	110		
PL-03		06-Mar-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		06-Mar-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		06-Mar-01	CALCIUM,Total mg/l	Total	73		
PL-03		06-Mar-01	MAGNESIUM,Total mg/l	Total	33		
PL-03		06-Mar-01	SODIUM,Total mg/l	Total	18		
PL-03		06-Mar-01	POTASSIUM,Total mg/l	Total	2.3		
PL-03		06-Mar-01	ALUMINUM,Total ug/l	Total	230		
PL-03		06-Mar-01	BARIUM,Total ug/l	Total	62		
PL-03		06-Mar-01	BORON,Total ug/l	Total	20		
PL-03		06-Mar-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		06-Mar-01	CADMIUM,Total ug/l	Total	3		K
PL-03		06-Mar-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		06-Mar-01	COPPER,Total ug/l	Total	10		K
PL-03		06-Mar-01	COBALT,Total ug/l	Total	10		K
PL-03		06-Mar-01	IRON,Total ug/l	Total	330		
PL-03		06-Mar-01	MANGANESE,Total ug/l	Total	40		
PL-03		06-Mar-01	NICKEL,Total ug/l	Total	25		K
PL-03		06-Mar-01	SILVER,Total ug/l	Total	3		K
PL-03		06-Mar-01	STRONTIUM,Total ug/l	Total	110		
PL-03		06-Mar-01	VANADIUM,Total ug/l	Total	5		K
PL-03		06-Mar-01	ZINC,Total ug/l	Total	100		K
PL-03		06-Mar-01	HARDNESS, CA,MG mg/l		319		C
PL-03		06-Mar-01	TEMPERATURE, AIR deg C		3		
PL-03		06-Mar-01	TEMPERATURE, WATER deg C		0.93		
PL-03		06-Mar-01	DISSOLVED OXYGEN (DO) mg/l		13.51		
PL-03		06-Mar-01	CONDUCTANCE, SPECIFIC umho/cm		639		
PL-03		06-Mar-01	PH		8.09		
PL-03		06-Mar-01	TURBIDITY FTU		15		
PL-03		09-Nov-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	6.1		
PL-03		09-Nov-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		09-Nov-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.39		
PL-03		09-Nov-01	PHOSPHORUS AS P,Total mg/l	Total	0.44		
PL-03		09-Nov-01	SOLIDS, FIXED,Total mg/l	Total	9		
PL-03		09-Nov-01	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		09-Nov-01	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		09-Nov-01	LEAD,Total ug/l	Total	5		K
PL-03		09-Nov-01	CALCIUM,Dissolved mg/l	Dissolved	80		
PL-03		09-Nov-01	MAGNESIUM,Dissolved mg/l	Dissolved	38		
PL-03		09-Nov-01	SODIUM,Dissolved mg/l	Dissolved	25		
PL-03		09-Nov-01	POTASSIUM,Dissolved mg/l	Dissolved	1.7		
PL-03		09-Nov-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		09-Nov-01	BARIUM,Dissolved ug/l	Dissolved	62		

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		09-Nov-01	BORON,Dissolved ug/l	Dissolved	18		
PL-03		09-Nov-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		09-Nov-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		09-Nov-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		09-Nov-01	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		09-Nov-01	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		09-Nov-01	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		09-Nov-01	MANGANESE,Dissolved ug/l	Dissolved	45		
PL-03		09-Nov-01	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		09-Nov-01	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		09-Nov-01	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		09-Nov-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		09-Nov-01	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		09-Nov-01	CALCIUM,Total mg/l	Total	79		
PL-03		09-Nov-01	MAGNESIUM,Total mg/l	Total	37		
PL-03		09-Nov-01	SODIUM,Total mg/l	Total	25		
PL-03		09-Nov-01	POTASSIUM,Total mg/l	Total	2.2		
PL-03		09-Nov-01	ALUMINUM,Total ug/l	Total	120		
PL-03		09-Nov-01	BARIUM,Total ug/l	Total	64		
PL-03		09-Nov-01	BORON,Total ug/l	Total	15		
PL-03		09-Nov-01	BERYLLIUM,Total ug/l	Total	1		K
PL-03		09-Nov-01	CADMIUM,Total ug/l	Total	3		K
PL-03		09-Nov-01	CHROMIUM,Total ug/l	Total	5		K
PL-03		09-Nov-01	COPPER,Total ug/l	Total	10		K
PL-03		09-Nov-01	COBALT,Total ug/l	Total	10		K
PL-03		09-Nov-01	IRON,Total ug/l	Total	210		
PL-03		09-Nov-01	MANGANESE,Total ug/l	Total	53		
PL-03		09-Nov-01	NICKEL,Total ug/l	Total	25		K
PL-03		09-Nov-01	SILVER,Total ug/l	Total	3		K
PL-03		09-Nov-01	STRONTIUM,Total ug/l	Total	120		
PL-03		09-Nov-01	VANADIUM,Total ug/l	Total	5		K
PL-03		09-Nov-01	ZINC,Total ug/l	Total	100		K
PL-03		09-Nov-01	HARDNESS, CA,MG mg/l		351		C
PL-03		09-Nov-01	TEMPERATURE, AIR deg C		15		
PL-03		09-Nov-01	TEMPERATURE, WATER deg C		7.1		
PL-03		09-Nov-01	DISSOLVED OXYGEN (DO) mg/l		12.4		
PL-03		09-Nov-01	CONDUCTANCE, SPECIFIC umho/cm		743		
PL-03		09-Nov-01	PH		7.99		
PL-03		09-Nov-01	TURBIDITY NTU		5.7		
PL-03		16-May-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	13		
PL-03		16-May-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.07		
PL-03		16-May-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.2		
PL-03		16-May-02	PHOSPHORUS AS P,Total mg/l	Total	0.32		
PL-03		16-May-02	SOLIDS, FIXED,Total mg/l	Total	115		
PL-03		16-May-02	SOLIDS, FIXED,Volatile mg/l	Volatile	12		
PL-03		16-May-02	NITROGEN, KJELDAHL,Total mg/l	Total	1.11		
PL-03		16-May-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		16-May-02	LEAD,Total ug/l	Total	5		K
PL-03		16-May-02	MERCURY,Total	Total	0.01		K
PL-03		16-May-02	CALCIUM,Dissolved mg/l	Dissolved	79		
PL-03		16-May-02	MAGNESIUM,Dissolved mg/l	Dissolved	36		
PL-03		16-May-02	SODIUM,Dissolved mg/l	Dissolved	15		
PL-03		16-May-02	POTASSIUM,Dissolved mg/l	Dissolved	1.8		
PL-03		16-May-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		16-May-02	BARIUM,Dissolved ug/l	Dissolved	75		
PL-03		16-May-02	BORON,Dissolved ug/l	Dissolved	27		
PL-03		16-May-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		16-May-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		16-May-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		16-May-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		16-May-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		16-May-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		16-May-02	MANGANESE,Dissolved ug/l	Dissolved	23		
PL-03		16-May-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		16-May-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		16-May-02	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		16-May-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		16-May-02	ZINC,Dissolved ug/l	Dissolved	100		K

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PL-03		16-May-02	CALCIUM,Total mg/l	Total	85		
PL-03		16-May-02	MAGNESIUM,Total mg/l	Total	38		
PL-03		16-May-02	SODIUM,Total mg/l	Total	15		
PL-03		16-May-02	POTASSIUM,Total mg/l	Total	1.8		
PL-03		16-May-02	ALUMINUM,Total ug/l	Total	1200		
PL-03		16-May-02	BARIUM,Total ug/l	Total	96		
PL-03		16-May-02	BORON,Total ug/l	Total	30		
PL-03		16-May-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		16-May-02	CADMIUM,Total ug/l	Total	3		K
PL-03		16-May-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		16-May-02	COPPER,Total ug/l	Total	10		K
PL-03		16-May-02	COBALT,Total ug/l	Total	10		K
PL-03		16-May-02	IRON,Total ug/l	Total	1700		
PL-03		16-May-02	MANGANESE,Total ug/l	Total	120		
PL-03		16-May-02	NICKEL,Total ug/l	Total	25		K
PL-03		16-May-02	SILVER,Total ug/l	Total	3		K
PL-03		16-May-02	STRONTIUM,Total ug/l	Total	130		
PL-03		16-May-02	VANADIUM,Total ug/l	Total	5		K
PL-03		16-May-02	ZINC,Total ug/l	Total	100		K
PL-03		16-May-02	HARDNESS, CA,MG mg/l		370		C
PL-03		16-May-02	TEMPERATURE, AIR deg C		20		
PL-03		16-May-02	TEMPERATURE, WATER deg C		13.53		
PL-03		16-May-02	DISSOLVED OXYGEN (DO) mg/l		9.2		
PL-03		16-May-02	CONDUCTANCE, SPECIFIC umho/cm		690		
PL-03		16-May-02	PH		7.74		
PL-03		16-May-02	TURBIDITY NTU		22.5		
PL-03		16-May-02	TEMPERATURE, SAMPLE deg C		2		
PL-03		13-Aug-02	BARIUM,Dissolved ug/l	Dissolved	57		
PL-03		13-Aug-02	BORON,Dissolved ug/l	Dissolved	56		
PL-03		13-Aug-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		13-Aug-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		13-Aug-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		13-Aug-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		13-Aug-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		13-Aug-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		13-Aug-02	MANGANESE,Dissolved ug/l	Dissolved	53		
PL-03		13-Aug-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		13-Aug-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		13-Aug-02	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		13-Aug-02	VANADIUM,Dissolved ug/l	Dissolved	5		
PL-03		13-Aug-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		13-Aug-02	CALCIUM,Total mg/l	Total	69		
PL-03		13-Aug-02	MAGNESIUM,Total mg/l	Total	37		
PL-03		13-Aug-02	SODIUM,Total mg/l	Total	53		
PL-03		13-Aug-02	POTASSIUM,Total mg/l	Total	5.4		
PL-03		13-Aug-02	ALUMINUM,Total ug/l	Total	340		
PL-03		13-Aug-02	BARIUM,Total ug/l	Total	61		
PL-03		13-Aug-02	BORON,Total ug/l	Total	57		
PL-03		13-Aug-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		13-Aug-02	CADMIUM,Total ug/l	Total	3		K
PL-03		13-Aug-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		13-Aug-02	COPPER,Total ug/l	Total	10		K
PL-03		13-Aug-02	COBALT,Total ug/l	Total	13		
PL-03		13-Aug-02	IRON,Total ug/l	Total	450		
PL-03		13-Aug-02	MANGANESE,Total ug/l	Total	92		
PL-03		13-Aug-02	NICKEL,Total ug/l	Total	25		K
PL-03		13-Aug-02	SILVER,Total ug/l	Total	3		K
PL-03		13-Aug-02	STRONTIUM,Total ug/l	Total	120		
PL-03		13-Aug-02	VANADIUM,Total ug/l	Total	6		
PL-03		13-Aug-02	ZINC,Total ug/l	Total	100		K
PL-03		13-Aug-02	HARDNESS, CA,MG mg/l		324		C
PL-03		13-Aug-02	TEMPERATURE, AIR deg C		29		
PL-03		13-Aug-02	TEMPERATURE, WATER deg C		23.51		
PL-03		13-Aug-02	DISSOLVED OXYGEN (DO) mg/l		7.66		
PL-03		13-Aug-02	CONDUCTANCE, SPECIFIC umho/cm		814		
PL-03		13-Aug-02	PH		8.14		
PL-03		13-Aug-02	TURBIDITY NTU		14.1		
PL-03		13-Aug-02	TEMPERATURE, SAMPLE deg C		6		

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		13-Aug-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	4.1		
PL-03		13-Aug-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.05		
PL-03		13-Aug-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.69		
PL-03		13-Aug-02	PHOSPHORUS AS P,Total mg/l	Total	0.77		
PL-03		13-Aug-02	SOLIDS, FIXED,Total mg/l	Total	21		
PL-03		13-Aug-02	SOLIDS, FIXED,Volatile mg/l	Volatile	5		
PL-03		13-Aug-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		13-Aug-02	LEAD,Total ug/l	Total	5		K
PL-03		13-Aug-02	MERCURY,Total	Total	0.01		K
PL-03		13-Aug-02	CALCIUM,Dissolved mg/l	Dissolved	69		
PL-03		13-Aug-02	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		13-Aug-02	SODIUM,Dissolved mg/l	Dissolved	54		
PL-03		13-Aug-02	POTASSIUM,Dissolved mg/l	Dissolved	5.4		
PL-03		13-Aug-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		03-Dec-02	BORON,Total ug/l	Total	47		
PL-03		03-Dec-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		03-Dec-02	CADMIUM,Total ug/l	Total	3		K
PL-03		03-Dec-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		03-Dec-02	COPPER,Total ug/l	Total	10		K
PL-03		03-Dec-02	COBALT,Total ug/l	Total	10		K
PL-03		03-Dec-02	IRON,Total ug/l	Total	230		
PL-03		03-Dec-02	MANGANESE,Total ug/l	Total	67		
PL-03		03-Dec-02	NICKEL,Total ug/l	Total	25		K
PL-03		03-Dec-02	SILVER,Total ug/l	Total	3		K
PL-03		03-Dec-02	STRONTIUM,Total ug/l	Total	140		
PL-03		03-Dec-02	VANADIUM,Total ug/l	Total	5		K
PL-03		03-Dec-02	ZINC,Total ug/l	Total	100		K
PL-03		03-Dec-02	HARDNESS, CA,MG mg/l		372		C
PL-03		03-Dec-02	TEMPERATURE, AIR deg C		-9		
PL-03		03-Dec-02	TEMPERATURE, WATER deg C		-0.18		
PL-03		03-Dec-02	DISSOLVED OXYGEN (DO) mg/l		12.92		
PL-03		03-Dec-02	CONDUCTANCE, SPECIFIC umho/cm		908		
PL-03		03-Dec-02	PH		7.76		
PL-03		03-Dec-02	TURBIDITY NTU		4.62		
PL-03		03-Dec-02	TEMPERATURE, SAMPLE deg C		2		
PL-03		03-Dec-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	6.91		
PL-03		03-Dec-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		03-Dec-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1.68		
PL-03		03-Dec-02	PHOSPHORUS AS P,Total mg/l	Total	1.57		
PL-03		03-Dec-02	SOLIDS, FIXED,Total mg/l	Total	7		
PL-03		03-Dec-02	SOLIDS, FIXED,Volatile mg/l	Volatile	2		
PL-03		03-Dec-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		03-Dec-02	LEAD,Total ug/l	Total	5		K
PL-03		03-Dec-02	MERCURY,Total	Total	0.01		K
PL-03		03-Dec-02	CALCIUM,Dissolved mg/l	Dissolved	79		
PL-03		03-Dec-02	MAGNESIUM,Dissolved mg/l	Dissolved	40		
PL-03		03-Dec-02	SODIUM,Dissolved mg/l	Dissolved	50		
PL-03		03-Dec-02	POTASSIUM,Dissolved mg/l	Dissolved	5.9		
PL-03		03-Dec-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		03-Dec-02	BARIUM,Dissolved ug/l	Dissolved	47		
PL-03		03-Dec-02	BORON,Dissolved ug/l	Dissolved	50		
PL-03		03-Dec-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		03-Dec-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		03-Dec-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		03-Dec-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		03-Dec-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		03-Dec-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		03-Dec-02	MANGANESE,Dissolved ug/l	Dissolved	49		
PL-03		03-Dec-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		03-Dec-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		03-Dec-02	STRONTIUM,Dissolved ug/l	Dissolved	140		
PL-03		03-Dec-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		03-Dec-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		03-Dec-02	CALCIUM,Total mg/l	Total	81		
PL-03		03-Dec-02	MAGNESIUM,Total mg/l	Total	42		
PL-03		03-Dec-02	SODIUM,Total mg/l	Total	51		
PL-03		03-Dec-02	POTASSIUM,Total mg/l	Total	5.7		
PL-03		03-Dec-02	ALUMINUM,Total ug/l	Total	100		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		03-Dec-02	BARIUM,Total ug/l	Total	52		
PL-03		27-Feb-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	8.3		
PL-03		27-Feb-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.1		
PL-03		27-Feb-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.31		
PL-03		27-Feb-02	PHOSPHORUS AS P,Total mg/l	Total	0.35		
PL-03		27-Feb-02	SOLIDS, FIXED,Total mg/l	Total	18		
PL-03		27-Feb-02	SOLIDS, FIXED,Volatile mg/l	Volatile	5		
PL-03		27-Feb-02	NITROGEN, KJELDAHL,Total mg/l	Total	0.39		
PL-03		27-Feb-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		27-Feb-02	LEAD,Total ug/l	Total	5		K
PL-03		27-Feb-02	MERCURY,Total	Total	0.01		K
PL-03		27-Feb-02	CALCIUM,Dissolved mg/l	Dissolved	77		
PL-03		27-Feb-02	MAGNESIUM,Dissolved mg/l	Dissolved	35		
PL-03		27-Feb-02	SODIUM,Dissolved mg/l	Dissolved	24		
PL-03		27-Feb-02	POTASSIUM,Dissolved mg/l	Dissolved	1.4		K
PL-03		27-Feb-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		27-Feb-02	BARIUM,Dissolved ug/l	Dissolved	94		
PL-03		27-Feb-02	BORON,Dissolved ug/l	Dissolved	21		
PL-03		27-Feb-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		27-Feb-02	CADMIUM,Dissolved ug/l	Dissolved	3		
PL-03		27-Feb-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		27-Feb-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		27-Feb-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		27-Feb-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		27-Feb-02	MANGANESE,Dissolved ug/l	Dissolved	38		
PL-03		27-Feb-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		27-Feb-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		27-Feb-02	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		27-Feb-02	VANADIUM,Dissolved ug/l	Dissolved	10		
PL-03		27-Feb-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		27-Feb-02	CALCIUM,Total mg/l	Total	80		
PL-03		27-Feb-02	MAGNESIUM,Total mg/l	Total	36		
PL-03		27-Feb-02	SODIUM,Total mg/l	Total	25		
PL-03		27-Feb-02	POTASSIUM,Total mg/l	Total	1.7		
PL-03		27-Feb-02	ALUMINUM,Total ug/l	Total	160		
PL-03		27-Feb-02	BARIUM,Total ug/l	Total	69		
PL-03		27-Feb-02	BORON,Total ug/l	Total	25		
PL-03		27-Feb-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		27-Feb-02	CADMIUM,Total ug/l	Total	3		K
PL-03		27-Feb-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		27-Feb-02	COPPER,Total ug/l	Total	10		K
PL-03		27-Feb-02	COBALT,Total ug/l	Total	10		K
PL-03		27-Feb-02	IRON,Total ug/l	Total	260		
PL-03		27-Feb-02	MANGANESE,Total ug/l	Total	49		
PL-03		27-Feb-02	NICKEL,Total ug/l	Total	25		K
PL-03		27-Feb-02	SILVER,Total ug/l	Total	3		K
PL-03		27-Feb-02	STRONTIUM,Total ug/l	Total	120		
PL-03		27-Feb-02	VANADIUM,Total ug/l	Total	5		K
PL-03		27-Feb-02	ZINC,Total ug/l	Total	100		K
PL-03		27-Feb-02	HARDNESS, CA,MG mg/l		347		C
PL-03		27-Feb-02	TEMPERATURE, AIR deg C		-2		
PL-03		27-Feb-02	TEMPERATURE, WATER deg C		1.55		
PL-03		27-Feb-02	DISSOLVED OXYGEN (DO) mg/l		13		
PL-03		27-Feb-02	CONDUCTANCE, SPECIFIC umho/cm		720		
PL-03		27-Feb-02	PH		8.48		
PL-03		27-Feb-02	TURBIDITY NTU		8.9		
PL-03		17-Sep-02	BORON,Dissolved ug/l	Dissolved	58		
PL-03		17-Sep-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		17-Sep-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		17-Sep-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		17-Sep-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		17-Sep-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		17-Sep-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		17-Sep-02	MANGANESE,Dissolved ug/l	Dissolved	53		
PL-03		17-Sep-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		17-Sep-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		17-Sep-02	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		17-Sep-02	VANADIUM,Dissolved ug/l	Dissolved	5		K

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		17-Sep-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		17-Sep-02	CALCIUM,Total mg/l	Total	73		
PL-03		17-Sep-02	MAGNESIUM,Total mg/l	Total	39		
PL-03		17-Sep-02	SODIUM,Total mg/l	Total	54		
PL-03		17-Sep-02	POTASSIUM,Total mg/l	Total	5.7		
PL-03		17-Sep-02	ALUMINUM,Total ug/l	Total	120		
PL-03		17-Sep-02	BARIUM,Total ug/l	Total	57		
PL-03		17-Sep-02	BORON,Total ug/l	Total	63		
PL-03		17-Sep-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		17-Sep-02	CADMIUM,Total ug/l	Total	3		K
PL-03		17-Sep-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		17-Sep-02	COPPER,Total ug/l	Total	10		K
PL-03		17-Sep-02	COBALT,Total ug/l	Total	10		K
PL-03		17-Sep-02	IRON,Total ug/l	Total	170		
PL-03		17-Sep-02	MANGANESE,Total ug/l	Total	65		
PL-03		17-Sep-02	NICKEL,Total ug/l	Total	25		K
PL-03		17-Sep-02	SILVER,Total ug/l	Total	3		K
PL-03		17-Sep-02	STRONTIUM,Total ug/l	Total	130		
PL-03		17-Sep-02	VANADIUM,Total ug/l	Total	5		K
PL-03		17-Sep-02	ZINC,Total ug/l	Total	100		K
PL-03		17-Sep-02	HARDNESS, CA,MG mg/l		341		C
PL-03		17-Sep-02	TEMPERATURE, AIR deg C		21		
PL-03		17-Sep-02	TEMPERATURE, WATER deg C		17.1		
PL-03		17-Sep-02	DISSOLVED OXYGEN (DO) mg/l		8.21		
PL-03		17-Sep-02	CONDUCTANCE, SPECIFIC umho/cm		897		
PL-03		17-Sep-02	PH		8.03		
PL-03		17-Sep-02	TURBIDITY NTU		5.14		
PL-03		17-Sep-02	TEMPERATURE, SAMPLE deg C		3		
PL-03		17-Sep-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	5.12		
PL-03		17-Sep-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.02		
PL-03		17-Sep-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1.05		
PL-03		17-Sep-02	PHOSPHORUS AS P,Total mg/l	Total	1.1		
PL-03		17-Sep-02	SOLIDS, FIXED,Total mg/l	Total	7		
PL-03		17-Sep-02	SOLIDS, FIXED,Volatile mg/l	Volatile	3		
PL-03		17-Sep-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		17-Sep-02	LEAD,Total ug/l	Total	5		K
PL-03		17-Sep-02	MERCURY,Total	Total	0.01		K
PL-03		17-Sep-02	CALCIUM,Dissolved mg/l	Dissolved	72		
PL-03		17-Sep-02	MAGNESIUM,Dissolved mg/l	Dissolved	39		
PL-03		17-Sep-02	SODIUM,Dissolved mg/l	Dissolved	53		
PL-03		17-Sep-02	POTASSIUM,Dissolved mg/l	Dissolved	5.5		
PL-03		17-Sep-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		17-Sep-02	BARIUM,Dissolved ug/l	Dissolved	54		
PL-03		08-Apr-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	8.1		Y
PL-03		08-Apr-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.06		Y
PL-03		08-Apr-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.22		Y
PL-03		08-Apr-02	PHOSPHORUS AS P,Total mg/l	Total	0.49		Y
PL-03		08-Apr-02	SOLIDS, FIXED,Total mg/l	Total	131		Y
PL-03		08-Apr-02	SOLIDS, FIXED,Volatile mg/l	Volatile	21		Y
PL-03		08-Apr-02	NITROGEN, KJELDAHL,Total mg/l	Total	2.21		Y
PL-03		08-Apr-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		08-Apr-02	LEAD,Total ug/l	Total	5		K
PL-03		08-Apr-02	MERCURY,Total	Total	0.01		K
PL-03		08-Apr-02	CALCIUM,Dissolved mg/l	Dissolved	70		
PL-03		08-Apr-02	MAGNESIUM,Dissolved mg/l	Dissolved	33		
PL-03		08-Apr-02	SODIUM,Dissolved mg/l	Dissolved	29		
PL-03		08-Apr-02	POTASSIUM,Dissolved mg/l	Dissolved	1.6		
PL-03		08-Apr-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		08-Apr-02	BARIUM,Dissolved ug/l	Dissolved	46		
PL-03		08-Apr-02	BORON,Dissolved ug/l	Dissolved	17		
PL-03		08-Apr-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		08-Apr-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		08-Apr-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		08-Apr-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		08-Apr-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		08-Apr-02	IRON,Dissolved ug/l	Dissolved	110		
PL-03		08-Apr-02	MANGANESE,Dissolved ug/l	Dissolved	43		
PL-03		08-Apr-02	NICKEL,Dissolved ug/l	Dissolved	25		K

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PL-03		08-Apr-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		08-Apr-02	STRONTIUM,Dissolved ug/l	Dissolved	99		
PL-03		08-Apr-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		08-Apr-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		08-Apr-02	CALCIUM,Total mg/l	Total	72		
PL-03		08-Apr-02	MAGNESIUM,Total mg/l	Total	33		
PL-03		08-Apr-02	SODIUM,Total mg/l	Total	28		
PL-03		08-Apr-02	POTASSIUM,Total mg/l	Total	1.8		
PL-03		08-Apr-02	ALUMINUM,Total ug/l	Total	920		
PL-03		08-Apr-02	BARIUM,Total ug/l	Total	62		
PL-03		08-Apr-02	BORON,Total ug/l	Total	22		
PL-03		08-Apr-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		08-Apr-02	CADMIUM,Total ug/l	Total	3		K
PL-03		08-Apr-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		08-Apr-02	COPPER,Total ug/l	Total	10		K
PL-03		08-Apr-02	COBALT,Total ug/l	Total	10		K
PL-03		08-Apr-02	IRON,Total ug/l	Total	1400		
PL-03		08-Apr-02	MANGANESE,Total ug/l	Total	130		
PL-03		08-Apr-02	NICKEL,Total ug/l	Total	25		K
PL-03		08-Apr-02	SILVER,Total ug/l	Total	3		K
PL-03		08-Apr-02	STRONTIUM,Total ug/l	Total	99		
PL-03		08-Apr-02	VANADIUM,Total ug/l	Total	5		K
PL-03		08-Apr-02	ZINC,Total ug/l	Total	100		K
PL-03		08-Apr-02	HARDNESS, CA,MG mg/l		317		C
PL-03		08-Apr-02	TEMPERATURE, AIR deg C		10		
PL-03		08-Apr-02	TEMPERATURE, WATER deg C		6.93		
PL-03		08-Apr-02	DISSOLVED OXYGEN (DO) mg/l		10.38		
PL-03		08-Apr-02	CONDUCTANCE, SPECIFIC umho/cm		667		
PL-03		08-Apr-02	PH		7.91		
PL-03		08-Apr-02	TURBIDITY NTU		35		
PL-03		08-Apr-02	TEMPERATURE, SAMPLE deg C		10		
PL-03		16-Oct-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	4.64		
PL-03		16-Oct-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		16-Oct-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1.47		
PL-03		16-Oct-02	PHOSPHORUS AS P,Total mg/l	Total	1.53		
PL-03		16-Oct-02	SOLIDS, FIXED,Total mg/l	Total	4		
PL-03		16-Oct-02	SOLIDS, FIXED,Volatile mg/l	Volatile	1		
PL-03		10/16/2002	Fecal coliform		360	cfu/100ml	
PL-03		16-Oct-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		16-Oct-02	LEAD,Total ug/l	Total	5		K
PL-03		16-Oct-02	MERCURY,Total	Total	0.01		K
PL-03		16-Oct-02	CALCIUM,Dissolved mg/l	Dissolved	70		
PL-03		16-Oct-02	MAGNESIUM,Dissolved mg/l	Dissolved	36		
PL-03		16-Oct-02	SODIUM,Dissolved mg/l	Dissolved	52		
PL-03		16-Oct-02	POTASSIUM,Dissolved mg/l	Dissolved	6		
PL-03		16-Oct-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		16-Oct-02	BARIUM,Dissolved ug/l	Dissolved	47		
PL-03		16-Oct-02	BORON,Dissolved ug/l	Dissolved	53		
PL-03		16-Oct-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		16-Oct-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		16-Oct-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		16-Oct-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		16-Oct-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		16-Oct-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		16-Oct-02	MANGANESE,Dissolved ug/l	Dissolved	52		
PL-03		16-Oct-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		16-Oct-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		16-Oct-02	STRONTIUM,Dissolved ug/l	Dissolved	130		
PL-03		16-Oct-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		16-Oct-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		16-Oct-02	CALCIUM,Total mg/l	Total	76		
PL-03		16-Oct-02	MAGNESIUM,Total mg/l	Total	39		
PL-03		16-Oct-02	SODIUM,Total mg/l	Total	56		
PL-03		16-Oct-02	POTASSIUM,Total mg/l	Total	6.6		
PL-03		16-Oct-02	ALUMINUM,Total ug/l	Total	130		
PL-03		16-Oct-02	BARIUM,Total ug/l	Total	54		
PL-03		16-Oct-02	BORON,Total ug/l	Total	47		
PL-03		16-Oct-02	BERYLLIUM,Total ug/l	Total	1		K

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PL-03		16-Oct-02	CADMIUM,Total ug/l	Total	3		K
PL-03		16-Oct-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		16-Oct-02	COPPER,Total ug/l	Total	10		K
PL-03		16-Oct-02	COBALT,Total ug/l	Total	10		K
PL-03		16-Oct-02	IRON,Total ug/l	Total	240		
PL-03		16-Oct-02	MANGANESE,Total ug/l	Total	66		
PL-03		16-Oct-02	NICKEL,Total ug/l	Total	25		K
PL-03		16-Oct-02	SILVER,Total ug/l	Total	3		K
PL-03		16-Oct-02	STRONTIUM,Total ug/l	Total	140		
PL-03		16-Oct-02	VANADIUM,Total ug/l	Total	5		K
PL-03		16-Oct-02	ZINC,Total ug/l	Total	100		K
PL-03		16-Oct-02	HARDNESS, CA,MG mg/l		349		C
PL-03		16-Oct-02	TEMPERATURE, AIR deg C		4.5		
PL-03		16-Oct-02	TEMPERATURE, WATER deg C		8.35		
PL-03		16-Oct-02	DISSOLVED OXYGEN (DO) mg/l		10.21		
PL-03		16-Oct-02	CONDUCTANCE, SPECIFIC umho/cm		913		
PL-03		16-Oct-02	PH		8.37		
PL-03		16-Oct-02	TURBIDITY NTU		5.57		
PL-03		16-Oct-02	TEMPERATURE, SAMPLE deg C		3		
PLB-A-C1		25-Sep-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	0.82		
PLB-A-C1		25-Sep-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	2.4		
PLB-A-C1		25-Sep-02	PHOSPHORUS AS P,Total mg/l	Total	1.69		
PLB-A-C1		25-Sep-02	BOD, CARBONACEOUS		1		K
PLB-A-C1		25-Sep-02	BOD		2		
PLB-A-C1		25-Sep-02	CARBON, TOTAL ORGANIC mg/l		6.8		
PLB-A-C1		25-Sep-02	SOLIDS, FIXED,Total mg/l	Total	10		
PLB-A-C1		25-Sep-02	MERCURY,Total	Total	0.01		K
PLB-A-C1		25-Sep-02	CALCIUM,Total mg/l	Total	66		
PLB-A-C1		25-Sep-02	MAGNESIUM,Total mg/l	Total	36		
PLB-A-C1		25-Sep-02	SODIUM,Total mg/l	Total	86		
PLB-A-C1		25-Sep-02	POTASSIUM,Total mg/l	Total	5.7		
PLB-A-C1		25-Sep-02	ALUMINUM,Total ug/l	Total	100		K
PLB-A-C1		25-Sep-02	BARIUM,Total ug/l	Total	42		
PLB-A-C1		25-Sep-02	BORON,Total ug/l	Total	100		
PLB-A-C1		25-Sep-02	BERYLLIUM,Total ug/l	Total	1		K
PLB-A-C1		25-Sep-02	CADMIUM,Total ug/l	Total	3		K
PLB-A-C1		25-Sep-02	CHROMIUM,Total ug/l	Total	5		K
PLB-A-C1		25-Sep-02	COPPER,Total ug/l	Total	10		K
PLB-A-C1		25-Sep-02	COBALT,Total ug/l	Total	10		K
PLB-A-C1		25-Sep-02	IRON,Total ug/l	Total	50		K
PLB-A-C1		25-Sep-02	LEAD,Total ug/l	Total	50		K
PLB-A-C1		25-Sep-02	MANGANESE,Total ug/l	Total	88		
PLB-A-C1		25-Sep-02	NICKEL,Total ug/l	Total	25		K
PLB-A-C1		25-Sep-02	SILVER,Total ug/l	Total	3		K
PLB-A-C1		25-Sep-02	STRONTIUM,Total ug/l	Total	100		
PLB-A-C1		25-Sep-02	VANADIUM,Total ug/l	Total	5		K
PLB-A-C1		25-Sep-02	ZINC,Total ug/l	Total	100		K
PLB-A-C1		25-Sep-02	HARDNESS, CA,MG mg/l		311		C
PLB-A-C1		25-Sep-02	TEMPERATURE, AIR deg C		22		
PLB-A-C1		25-Sep-02	TEMPERATURE, WATER deg C		17.19		
PLB-A-C1		25-Sep-02	DISSOLVED OXYGEN (DO) mg/l		0.67		
PLB-A-C1		25-Sep-02	CONDUCTANCE, SPECIFIC umho/cm		974		
PLB-A-C1		25-Sep-02	PH		6.72		
PLB-A-C1		25-Sep-02	TURBIDITY NTU		5		
PLB-A-C1		25-Sep-02	TEMPERATURE, SAMPLE deg C		4		
PLB-A-C1		25-Sep-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYT		7.5		
PLB-A-C1		25-Sep-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPH	Fixed	12.6		
PLB-A-C1		25-Sep-02	CHLOROPHYLL-B		1.08		
PLB-A-C1		25-Sep-02	CHLOROPHYLL-C		1.21		
PLB-A-C1		25-Sep-02	DEPTH ft		1		
PLB-A-C1		25-Sep-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	200		
PLB-A-E		25-Sep-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	0.01		K
PLB-A-E		25-Sep-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	3.1		
PLB-A-E		25-Sep-02	PHOSPHORUS AS P,Total mg/l	Total	2.22		
PLB-A-E		25-Sep-02	BOD, CARBONACEOUS		2		
PLB-A-E		25-Sep-02	BOD		8		
PLB-A-E		25-Sep-02	SOLIDS, FIXED,Total mg/l	Total	9		
PLB-A-E		25-Sep-02	MERCURY,Total	Total	0.01		K

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PLB-A-E		25-Sep-02	CALCIUM,Total mg/l	Total	64		
PLB-A-E		25-Sep-02	MAGNESIUM,Total mg/l	Total	36		
PLB-A-E		25-Sep-02	SODIUM,Total mg/l	Total	110		
PLB-A-E		25-Sep-02	POTASSIUM,Total mg/l	Total	7.2		
PLB-A-E		25-Sep-02	ALUMINUM,Total ug/l	Total	100		K
PLB-A-E		25-Sep-02	BARIUM,Total ug/l	Total	38		
PLB-A-E		25-Sep-02	BORON,Total ug/l	Total	130		
PLB-A-E		25-Sep-02	BERYLLIUM,Total ug/l	Total	1		K
PLB-A-E		25-Sep-02	CADMIUM,Total ug/l	Total	3		K
PLB-A-E		25-Sep-02	CHROMIUM,Total ug/l	Total	5		K
PLB-A-E		25-Sep-02	COPPER,Total ug/l	Total	10		K
PLB-A-E		25-Sep-02	COBALT,Total ug/l	Total	10		K
PLB-A-E		25-Sep-02	IRON,Total ug/l	Total	68		
PLB-A-E		25-Sep-02	LEAD,Total ug/l	Total	50		K
PLB-A-E		25-Sep-02	MANGANESE,Total ug/l	Total	99		
PLB-A-E		25-Sep-02	NICKEL,Total ug/l	Total	25		K
PLB-A-E		25-Sep-02	SILVER,Total ug/l	Total	3		K
PLB-A-E		25-Sep-02	STRONTIUM,Total ug/l	Total	110		
PLB-A-E		25-Sep-02	VANADIUM,Total ug/l	Total	5		K
PLB-A-E		25-Sep-02	ZINC,Total ug/l	Total	100		K
PLB-A-E		25-Sep-02	HARDNESS, CA,MG mg/l		308		C
PLB-A-E		25-Sep-02	TEMPERATURE, AIR deg C		22		
PLB-A-E		25-Sep-02	TEMPERATURE, WATER deg C		19.34		
PLB-A-E		25-Sep-02	DISSOLVED OXYGEN (DO) mg/l		1.2		
PLB-A-E		25-Sep-02	CONDUCTANCE, SPECIFIC umho/cm		1060		
PLB-A-E		25-Sep-02	PH		7.03		
PLB-A-E		25-Sep-02	TURBIDITY NTU		9		
PLB-A-E		25-Sep-02	TEMPERATURE, SAMPLE deg C		4		
PLB-A-E		25-Sep-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYT		11.4		
PLB-A-E		25-Sep-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPH	Fixed	19		
PLB-A-E		25-Sep-02	CHLOROPHYLL-B		3.15		
PLB-A-E		25-Sep-02	CHLOROPHYLL-C		1.32		
PLB-A-E		25-Sep-02	DEPTH ft		1		
PLB-A-E		25-Sep-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	200		
PLB-A-C2		25-Sep-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	0.01		
PLB-A-C2		25-Sep-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	2.3		
PLB-A-C2		25-Sep-02	PHOSPHORUS AS P,Total mg/l	Total	1.9		
PLB-A-C2		25-Sep-02	BOD, CARBONACEOUS		3		
PLB-A-C2		25-Sep-02	BOD		6		
PLB-A-C2		25-Sep-02	SOLIDS, FIXED,Total mg/l	Total	28		
PLB-A-C2		25-Sep-02	MERCURY,Total	Total	0.01		K
PLB-A-C2		25-Sep-02	CALCIUM,Total mg/l	Total	67		
PLB-A-C2		25-Sep-02	MAGNESIUM,Total mg/l	Total	37		
PLB-A-C2		25-Sep-02	SODIUM,Total mg/l	Total	88		
PLB-A-C2		25-Sep-02	POTASSIUM,Total mg/l	Total	6.6		
PLB-A-C2		25-Sep-02	ALUMINUM,Total ug/l	Total	150		
PLB-A-C2		25-Sep-02	BARIUM,Total ug/l	Total	52		
PLB-A-C2		25-Sep-02	BORON,Total ug/l	Total	110		
PLB-A-C2		25-Sep-02	BERYLLIUM,Total ug/l	Total	1		K
PLB-A-C2		25-Sep-02	CADMIUM,Total ug/l	Total	3		K
PLB-A-C2		25-Sep-02	CHROMIUM,Total ug/l	Total	5		K
PLB-A-C2		25-Sep-02	COPPER,Total ug/l	Total	10		K
PLB-A-C2		25-Sep-02	COBALT,Total ug/l	Total	10		K
PLB-A-C2		25-Sep-02	IRON,Total ug/l	Total	360		
PLB-A-C2		25-Sep-02	LEAD,Total ug/l	Total	50		K
PLB-A-C2		25-Sep-02	MANGANESE,Total ug/l	Total	100		
PLB-A-C2		25-Sep-02	NICKEL,Total ug/l	Total	25		K
PLB-A-C2		25-Sep-02	SILVER,Total ug/l	Total	3		K
PLB-A-C2		25-Sep-02	STRONTIUM,Total ug/l	Total	110		
PLB-A-C2		25-Sep-02	VANADIUM,Total ug/l	Total	5		K
PLB-A-C2		25-Sep-02	ZINC,Total ug/l	Total	100		K
PLB-A-C2		25-Sep-02	HARDNESS, CA,MG mg/l		319		C
PLB-A-C2		25-Sep-02	TEMPERATURE, AIR deg C		22		
PLB-A-C2		25-Sep-02	TEMPERATURE, WATER deg C		16.12		
PLB-A-C2		25-Sep-02	DISSOLVED OXYGEN (DO) mg/l		0.6		
PLB-A-C2		25-Sep-02	CONDUCTANCE, SPECIFIC umho/cm		964		
PLB-A-C2		25-Sep-02	PH		6.84		
PLB-A-C2		25-Sep-02	TURBIDITY NTU		8		

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PLB-A-C2		25-Sep-02	TEMPERATURE, SAMPLE deg C		4		
PLB-A-C2		25-Sep-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYT		46.7		
PLB-A-C2		25-Sep-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPH	Fixed	64		
PLB-A-C2		25-Sep-02	CHLOROPHYLL-B		1.05		
PLB-A-C2		25-Sep-02	CHLOROPHYLL-C		5.08		
PLB-A-C2		25-Sep-02	DEPTH ft		1		
PLB-A-C2		25-Sep-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	200		
PL-03		18-Jun-02	CHLORIDE,Total mg/l	Total	48.2		Y
PL-03		18-Jun-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	11.3		Y
PL-03		18-Jun-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		KY
PL-03		18-Jun-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.26		Y
PL-03		18-Jun-02	PHOSPHORUS AS P,Total mg/l	Total	0.31		Y
PL-03		18-Jun-02	SOLIDS, FIXED,Total mg/l	Total	51		Y
PL-03		18-Jun-02	SOLIDS, FIXED,Volatile mg/l	Volatile	9		Y
PL-03		18-Jun-02	NITROGEN, KJELDAHL,Total mg/l	Total	0.61		JY
PL-03		18-Jun-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		18-Jun-02	LEAD,Total ug/l	Total	5		K
PL-03		18-Jun-02	MERCURY,Total	Total	0.01		K
PL-03		18-Jun-02	CALCIUM,Dissolved mg/l	Dissolved	80		
PL-03		18-Jun-02	MAGNESIUM,Dissolved mg/l	Dissolved	37		
PL-03		18-Jun-02	SODIUM,Dissolved mg/l	Dissolved	18		
PL-03		18-Jun-02	POTASSIUM,Dissolved mg/l	Dissolved	2.6		
PL-03		18-Jun-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		18-Jun-02	BARIUM,Dissolved ug/l	Dissolved	84		
PL-03		18-Jun-02	BORON,Dissolved ug/l	Dissolved	20		
PL-03		18-Jun-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
PL-03		18-Jun-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
PL-03		18-Jun-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
PL-03		18-Jun-02	COPPER,Dissolved ug/l	Dissolved	10		K
PL-03		18-Jun-02	COBALT,Dissolved ug/l	Dissolved	10		K
PL-03		18-Jun-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		18-Jun-02	MANGANESE,Dissolved ug/l	Dissolved	19		
PL-03		18-Jun-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		18-Jun-02	SILVER,Dissolved ug/l	Dissolved	3		K
PL-03		18-Jun-02	STRONTIUM,Dissolved ug/l	Dissolved	120		
PL-03		18-Jun-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
PL-03		18-Jun-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		18-Jun-02	CALCIUM,Total mg/l	Total	81		
PL-03		18-Jun-02	MAGNESIUM,Total mg/l	Total	38		
PL-03		18-Jun-02	SODIUM,Total mg/l	Total	18		
PL-03		18-Jun-02	POTASSIUM,Total mg/l	Total	2.2		
PL-03		18-Jun-02	ALUMINUM,Total ug/l	Total	470		
PL-03		18-Jun-02	BARIUM,Total ug/l	Total	82		
PL-03		18-Jun-02	BORON,Total ug/l	Total	21		
PL-03		18-Jun-02	BERYLLIUM,Total ug/l	Total	1		K
PL-03		18-Jun-02	CADMIUM,Total ug/l	Total	3		K
PL-03		18-Jun-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		18-Jun-02	COPPER,Total ug/l	Total	10		K
PL-03		18-Jun-02	COBALT,Total ug/l	Total	10		K
PL-03		18-Jun-02	IRON,Total ug/l	Total	630		
PL-03		18-Jun-02	MANGANESE,Total ug/l	Total	42		
PL-03		18-Jun-02	NICKEL,Total ug/l	Total	25		K
PL-03		18-Jun-02	SILVER,Total ug/l	Total	3		K
PL-03		18-Jun-02	STRONTIUM,Total ug/l	Total	120		
PL-03		18-Jun-02	VANADIUM,Total ug/l	Total	5		K
PL-03		18-Jun-02	ZINC,Total ug/l	Total	100		K
PL-03		18-Jun-02	HARDNESS, CA,MG mg/l		359		C
PL-03		18-Jun-02	TEMPERATURE, AIR deg C		26		
PL-03		18-Jun-02	TEMPERATURE, WATER deg C		17.6		
PL-03		18-Jun-02	DISSOLVED OXYGEN (DO) mg/l		8.73		
PL-03		18-Jun-02	CONDUCTANCE, SPECIFIC umho/cm		731		
PL-03		18-Jun-02	PH		7.8		
PL-03		18-Jun-02	TURBIDITY NTU		13.1		
PL-03		18-Jun-02	TEMPERATURE, SAMPLE deg C		10		
PL-03		30-Jan-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),T	Total	6.3		
PL-03		30-Jan-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
PL-03		30-Jan-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.97		
PL-03		30-Jan-02	PHOSPHORUS AS P,Total mg/l	Total	1.04		

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PL-03		30-Jan-02	SOLIDS, FIXED,Total mg/l	Total	11		
PL-03		30-Jan-02	SOLIDS, FIXED,Volatile mg/l	Volatile	3		
PL-03		30-Jan-02	NITROGEN, KJELDAHL,Total mg/l	Total	0.92		
PL-03		30-Jan-02	LEAD,Dissolved ug/l	Dissolved	5		K
PL-03		30-Jan-02	LEAD,Total ug/l	Total	5		K
PL-03		30-Jan-02	MERCURY,Total	Total	0.01		K
PL-03		30-Jan-02	CALCIUM,Dissolved mg/l	Dissolved	79		
PL-03		30-Jan-02	MAGNESIUM,Dissolved mg/l	Dissolved	39		
PL-03		30-Jan-02	SODIUM,Dissolved mg/l	Dissolved	33		
PL-03		30-Jan-02	POTASSIUM,Dissolved mg/l	Dissolved	4.7		
PL-03		30-Jan-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
PL-03		30-Jan-02	BARIUM,Dissolved ug/l	Dissolved	74		
PL-03		30-Jan-02	BORON,Dissolved ug/l	Dissolved	52		
PL-03		30-Jan-02	BERYLLIUM,Dissolved ug/l	Dissolved	19		
PL-03		30-Jan-02	CADMIUM,Dissolved ug/l	Dissolved	20		
PL-03		30-Jan-02	CHROMIUM,Dissolved ug/l	Dissolved	19		
PL-03		30-Jan-02	COPPER,Dissolved ug/l	Dissolved	22		
PL-03		30-Jan-02	COBALT,Dissolved ug/l	Dissolved	22		
PL-03		30-Jan-02	IRON,Dissolved ug/l	Dissolved	50		K
PL-03		30-Jan-02	MANGANESE,Dissolved ug/l	Dissolved	68		
PL-03		30-Jan-02	NICKEL,Dissolved ug/l	Dissolved	25		K
PL-03		30-Jan-02	SILVER,Dissolved ug/l	Dissolved	12		
PL-03		30-Jan-02	STRONTIUM,Dissolved ug/l	Dissolved	150		
PL-03		30-Jan-02	VANADIUM,Dissolved ug/l	Dissolved	19		
PL-03		30-Jan-02	ZINC,Dissolved ug/l	Dissolved	100		K
PL-03		30-Jan-02	CALCIUM,Total mg/l	Total	80		
PL-03		30-Jan-02	MAGNESIUM,Total mg/l	Total	39		
PL-03		30-Jan-02	SODIUM,Total mg/l	Total	33		
PL-03		30-Jan-02	POTASSIUM,Total mg/l	Total	3.4		
PL-03		30-Jan-02	ALUMINUM,Total ug/l	Total	100		K
PL-03		30-Jan-02	BARIUM,Total ug/l	Total	59		
PL-03		30-Jan-02	BORON,Total ug/l	Total	32		
PL-03		30-Jan-02	BERYLLIUM,Total ug/l	Total	2		
PL-03		30-Jan-02	CADMIUM,Total ug/l	Total	3		K
PL-03		30-Jan-02	CHROMIUM,Total ug/l	Total	5		K
PL-03		30-Jan-02	COPPER,Total ug/l	Total	10		K
PL-03		30-Jan-02	COBALT,Total ug/l	Total	10		K
PL-03		30-Jan-02	IRON,Total ug/l	Total	160		
PL-03		30-Jan-02	MANGANESE,Total ug/l	Total	56		
PL-03		30-Jan-02	NICKEL,Total ug/l	Total	25		K
PL-03		30-Jan-02	SILVER,Total ug/l	Total	3		K
PL-03		30-Jan-02	STRONTIUM,Total ug/l	Total	130		
PL-03		30-Jan-02	VANADIUM,Total ug/l	Total	5		K
PL-03		30-Jan-02	ZINC,Total ug/l	Total	100		K
PL-03		30-Jan-02	HARDNESS, CA,MG mg/l		360		C
PL-03		30-Jan-02	TEMPERATURE, AIR deg C		-3		
PL-03		30-Jan-02	TEMPERATURE, WATER deg C		1.96		
PL-03		30-Jan-02	DISSOLVED OXYGEN (DO) mg/l		12.25		
PL-03		30-Jan-02	CONDUCTANCE, SPECIFIC umho/cm		752		
PL-03		30-Jan-02	PH		8.25		
PL-03		30-Jan-02	TURBIDITY NTU		4.1		
PL-03		1/30/2002	Fecal coliform		100	cfu/100ml	B
PL-03		10/13/2005	Nitrogen, ammonia as N	Total		mg/l	ND
PL-03		10/13/2005	Nitrogen, Kjeldahl	Total	3.09	mg/l	
PL-03		10/13/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.76	mg/l	
PL-03		10/13/2005	Phosphorus as P	Dissolved		mg/l	ND
PL-03		10/13/2005	Phosphorus as P	Total	0.218	mg/l	
PL-03		10/13/2005	Solids, suspended, volatile		2.25	mg/l	Q
PL-03		10/13/2005	Solids, Total Suspended (TSS)		3.75	mg/l	Q
PL-03		10/13/2005	Temperature, sample		2	deg C	
PL-03		03/02/2005	Aluminum	Dissolved		ug/l	ND
PL-03		03/02/2005	Aluminum	Total	82	ug/l	J
PL-03		03/02/2005	Barium	Dissolved	67	ug/l	
PL-03		03/02/2005	Barium	Total	70	ug/l	
PL-03		03/02/2005	Beryllium	Dissolved		ug/l	ND
PL-03		03/02/2005	Beryllium	Total		ug/l	ND
PL-03		03/02/2005	Boron	Dissolved	31	ug/l	J
PL-03		03/02/2005	Boron	Total	29	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		03/02/2005	Cadmium	Dissolved		ug/l	ND
PL-03		03/02/2005	Cadmium	Total		ug/l	ND
PL-03		03/02/2005	Calcium	Dissolved	89000	ug/l	
PL-03		03/02/2005	Calcium	Total	90000	ug/l	
PL-03		03/02/2005	Chromium	Dissolved		ug/l	ND
PL-03		03/02/2005	Chromium	Total		ug/l	ND
PL-03		03/02/2005	Cobalt	Dissolved		ug/l	ND
PL-03		03/02/2005	Cobalt	Total		ug/l	ND
PL-03		03/02/2005	Copper	Dissolved		ug/l	ND
PL-03		03/02/2005	Copper	Total		ug/l	ND
PL-03		03/02/2005	Dissolved oxygen (DO)		14.5	mg/l	
PL-03		03/02/2005	Hardness, Ca + Mg	Total	390000	ug/l	C
PL-03		03/02/2005	Iron	Dissolved		ug/l	ND
PL-03		03/02/2005	Iron	Total	170	ug/l	
PL-03		03/02/2005	Lead	Dissolved		ug/l	ND
PL-03		03/02/2005	Lead	Total	0.95	ug/l	J
PL-03		03/02/2005	Magnesium	Dissolved	40000	ug/l	
PL-03		03/02/2005	Magnesium	Total	40000	ug/l	
PL-03		03/02/2005	Manganese	Dissolved	40	ug/l	
PL-03		03/02/2005	Manganese	Total	52	ug/l	
PL-03		03/02/2005	Nickel	Dissolved		ug/l	ND
PL-03		03/02/2005	Nickel	Total		ug/l	ND
PL-03		03/02/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	9.14	mg/l	
PL-03		03/02/2005	pH		8.2	None	
PL-03		03/02/2005	Potassium	Dissolved		ug/l	ND
PL-03		03/02/2005	Potassium	Total		ug/l	ND
PL-03		03/02/2005	Silver	Dissolved		ug/l	ND
PL-03		03/02/2005	Silver	Total		ug/l	ND
PL-03		03/02/2005	Sodium	Dissolved	35000	ug/l	
PL-03		03/02/2005	Sodium	Total	35000	ug/l	
PL-03		03/02/2005	Solids, suspended, volatile		2	mg/l	J
PL-03		03/02/2005	Solids, Total Suspended (TSS)		10	mg/l	
PL-03		03/02/2005	Specific conductance		835	umho/cm	
PL-03		03/02/2005	Strontium	Dissolved	140	ug/l	
PL-03		03/02/2005	Strontium	Total	140	ug/l	
PL-03		03/02/2005	Temperature, air		-5	deg C	
PL-03		03/02/2005	Temperature, sample		4	deg C	
PL-03		03/02/2005	Temperature, water		0.6	deg C	
PL-03		03/02/2005	Turbidity		5.6	NTU	
PL-03		03/02/2005	Vanadium	Dissolved		ug/l	ND
PL-03		03/02/2005	Vanadium	Total		ug/l	ND
PL-03		03/02/2005	Zinc	Dissolved	6.3	ug/l	J
PL-03		03/02/2005	Zinc	Total	6.2	ug/l	J
PL-03		03/22/2005	Aluminum	Dissolved		ug/l	ND
PL-03		03/22/2005	Aluminum	Total		ug/l	ND
PL-03		03/22/2005	Barium	Dissolved	62	ug/l	
PL-03		03/22/2005	Barium	Total	67	ug/l	
PL-03		03/22/2005	Beryllium	Dissolved		ug/l	ND
PL-03		03/22/2005	Beryllium	Total		ug/l	ND
PL-03		03/22/2005	Boron	Dissolved	35	ug/l	J
PL-03		03/22/2005	Boron	Total	33	ug/l	
PL-03		03/22/2005	Cadmium	Dissolved		ug/l	ND
PL-03		03/22/2005	Cadmium	Total		ug/l	ND
PL-03		03/22/2005	Calcium	Dissolved	83000	ug/l	
PL-03		03/22/2005	Calcium	Total	86000	ug/l	
PL-03		03/22/2005	Chromium	Dissolved		ug/l	ND
PL-03		03/22/2005	Chromium	Total		ug/l	ND
PL-03		03/22/2005	Cobalt	Dissolved		ug/l	ND
PL-03		03/22/2005	Cobalt	Total		ug/l	ND
PL-03		03/22/2005	Copper	Dissolved	5.1	ug/l	
PL-03		03/22/2005	Copper	Total	6.4	ug/l	J,V
PL-03		03/22/2005	Dissolved oxygen (DO)		13	mg/l	
PL-03		03/22/2005	Hardness, Ca + Mg	Total	390000	ug/l	C
PL-03		03/22/2005	Iron	Dissolved		ug/l	ND
PL-03		03/22/2005	Iron	Total	130	ug/l	
PL-03		03/22/2005	Lead	Dissolved	1.3	ug/l	J
PL-03		03/22/2005	Lead	Total		ug/l	ND
PL-03		03/22/2005	Magnesium	Dissolved	39000	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		03/22/2005	Magnesium	Total	42000	ug/l	
PL-03		03/22/2005	Manganese	Dissolved	48	ug/l	
PL-03		03/22/2005	Manganese	Total	55	ug/l	
PL-03		03/22/2005	Nickel	Dissolved		ug/l	ND
PL-03		03/22/2005	Nickel	Total		ug/l	ND
PL-03		03/22/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	7.48	mg/l	
PL-03		03/22/2005	pH		8.4	None	
PL-03		03/22/2005	Potassium	Dissolved		ug/l	ND
PL-03		03/22/2005	Potassium	Total		ug/l	ND
PL-03		03/22/2005	Silver	Dissolved		ug/l	ND
PL-03		03/22/2005	Silver	Total		ug/l	ND
PL-03		03/22/2005	Sodium	Dissolved	31000	ug/l	
PL-03		03/22/2005	Sodium	Total	31000	ug/l	
PL-03		03/22/2005	Solids, suspended, volatile		4	mg/l	J
PL-03		03/22/2005	Solids, Total Suspended (TSS)		4	mg/l	J
PL-03		03/22/2005	Specific conductance		800	umho/cm	
PL-03		03/22/2005	Strontium	Dissolved	140	ug/l	
PL-03		03/22/2005	Strontium	Total	150	ug/l	
PL-03		03/22/2005	Temperature, air		5.5	deg C	
PL-03		03/22/2005	Temperature, sample		4	deg C	
PL-03		03/22/2005	Temperature, water		4.8	deg C	
PL-03		03/22/2005	Turbidity		1.7	NTU	
PL-03		03/22/2005	Vanadium	Dissolved		ug/l	ND
PL-03		03/22/2005	Vanadium	Total		ug/l	ND
PL-03		03/22/2005	Zinc	Dissolved	6	ug/l	J
PL-03		03/22/2005	Zinc	Total	6.8	ug/l	J
PL-03		05/17/2005	Aluminum	Dissolved		ug/l	ND
PL-03		05/17/2005	Aluminum	Total	350	ug/l	
PL-03		05/17/2005	Barium	Dissolved	70	ug/l	
PL-03		05/17/2005	Barium	Total	78	ug/l	
PL-03		05/17/2005	Beryllium	Dissolved		ug/l	ND
PL-03		05/17/2005	Beryllium	Total		ug/l	ND
PL-03		05/17/2005	Boron	Dissolved	36	ug/l	J
PL-03		05/17/2005	Boron	Total	36	ug/l	
PL-03		05/17/2005	Cadmium	Dissolved		ug/l	ND
PL-03		05/17/2005	Cadmium	Total		ug/l	ND
PL-03		05/17/2005	Calcium	Dissolved	88000	ug/l	
PL-03		05/17/2005	Calcium	Total	91000	ug/l	
PL-03		05/17/2005	Chromium	Dissolved		ug/l	ND
PL-03		05/17/2005	Chromium	Total		ug/l	ND
PL-03		05/17/2005	Cobalt	Dissolved		ug/l	ND
PL-03		05/17/2005	Cobalt	Total		ug/l	ND
PL-03		05/17/2005	Copper	Dissolved		ug/l	ND
PL-03		05/17/2005	Copper	Total		ug/l	ND
PL-03		05/17/2005	Dissolved oxygen (DO)		9.05	mg/l	
PL-03		05/17/2005	Hardness, Ca + Mg	Total	390000	ug/l	C
PL-03		05/17/2005	Iron	Dissolved		ug/l	ND
PL-03		05/17/2005	Iron	Total	540	ug/l	
PL-03		05/17/2005	Lead	Dissolved	0.24	ug/l	J
PL-03		05/17/2005	Lead	Total	1.3	ug/l	J
PL-03		05/17/2005	Magnesium	Dissolved	39000	ug/l	
PL-03		05/17/2005	Magnesium	Total	40000	ug/l	
PL-03		05/17/2005	Manganese	Dissolved	36	ug/l	
PL-03		05/17/2005	Manganese	Total	76	ug/l	
PL-03		05/17/2005	Nickel	Dissolved		ug/l	ND
PL-03		05/17/2005	Nickel	Total		ug/l	ND
PL-03		05/17/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	7.94	mg/l	
PL-03		05/17/2005	pH		7.55	None	
PL-03		05/17/2005	Phosphorus as P	Dissolved	0.247	mg/l	
PL-03		05/17/2005	Phosphorus as P	Total	0.297	mg/l	
PL-03		05/17/2005	Potassium	Dissolved		ug/l	ND
PL-03		05/17/2005	Potassium	Total		ug/l	ND
PL-03		05/17/2005	Silver	Dissolved		ug/l	ND
PL-03		05/17/2005	Silver	Total		ug/l	ND
PL-03		05/17/2005	Sodium	Dissolved	30000	ug/l	
PL-03		05/17/2005	Sodium	Total	30000	ug/l	
PL-03		05/17/2005	Solids, suspended, volatile		4	mg/l	J
PL-03		05/17/2005	Solids, Total Suspended (TSS)		32	mg/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		05/17/2005	Specific conductance		821	umho/cm	
PL-03		05/17/2005	Strontium	Dissolved	150	ug/l	
PL-03		05/17/2005	Strontium	Total	150	ug/l	
PL-03		05/17/2005	Temperature, air		15	deg C	
PL-03		05/17/2005	Temperature, sample		3	deg C	
PL-03		05/17/2005	Temperature, water		12.1	deg C	
PL-03		05/17/2005	Turbidity		16	NTU	
PL-03		05/17/2005	Vanadium	Dissolved		ug/l	ND
PL-03		05/17/2005	Vanadium	Total		ug/l	ND
PL-03		05/17/2005	Zinc	Dissolved	4.5	ug/l	J
PL-03		05/17/2005	Zinc	Total	6.8	ug/l	J
PL-03		06/15/2005	Aluminum	Dissolved	56	ug/l	J
PL-03		06/15/2005	Aluminum	Total	280	ug/l	
PL-03		06/15/2005	Barium	Dissolved	68	ug/l	
PL-03		06/15/2005	Barium	Total	73	ug/l	
PL-03		06/15/2005	Beryllium	Dissolved		ug/l	ND
PL-03		06/15/2005	Beryllium	Total		ug/l	ND
PL-03		06/15/2005	Boron	Dissolved	42	ug/l	J
PL-03		06/15/2005	Boron	Total	36	ug/l	
PL-03		06/15/2005	Cadmium	Dissolved		ug/l	ND
PL-03		06/15/2005	Cadmium	Total		ug/l	ND
PL-03		06/15/2005	Calcium	Dissolved	80000	ug/l	
PL-03		06/15/2005	Calcium	Total	82000	ug/l	
PL-03		06/15/2005	Chromium	Dissolved		ug/l	ND
PL-03		06/15/2005	Chromium	Total		ug/l	ND
PL-03		06/15/2005	Cobalt	Dissolved		ug/l	ND
PL-03		06/15/2005	Cobalt	Total		ug/l	ND
PL-03		06/15/2005	Copper	Dissolved		ug/l	ND
PL-03		06/15/2005	Copper	Total		ug/l	ND
PL-03		06/15/2005	Dissolved oxygen (DO)		7.62	mg/l	
PL-03		06/15/2005	Hardness, Ca + Mg	Total	360000	ug/l	C
PL-03		06/15/2005	Iron	Dissolved		ug/l	ND
PL-03		06/15/2005	Iron	Total	350	ug/l	
PL-03		06/15/2005	Lead	Dissolved		ug/l	ND
PL-03		06/15/2005	Lead	Total	1.8	ug/l	J
PL-03		06/15/2005	Magnesium	Dissolved	37000	ug/l	
PL-03		06/15/2005	Magnesium	Total	38000	ug/l	
PL-03		06/15/2005	Manganese	Dissolved	19	ug/l	
PL-03		06/15/2005	Manganese	Total	45	ug/l	
PL-03		06/15/2005	Nickel	Dissolved		ug/l	ND
PL-03		06/15/2005	Nickel	Total		ug/l	ND
PL-03		06/15/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	7.12	mg/l	
PL-03		06/15/2005	pH		8.26	None	
PL-03		06/15/2005	Phosphorus as P	Dissolved	0.229	mg/l	
PL-03		06/15/2005	Phosphorus as P	Total	0.261	mg/l	
PL-03		06/15/2005	Potassium	Dissolved	2000	ug/l	
PL-03		06/15/2005	Potassium	Total	2000	ug/l	
PL-03		06/15/2005	Silver	Dissolved		ug/l	ND
PL-03		06/15/2005	Silver	Total		ug/l	ND
PL-03		06/15/2005	Sodium	Dissolved	31000	ug/l	
PL-03		06/15/2005	Sodium	Total	30000	ug/l	
PL-03		06/15/2005	Solids, suspended, volatile		6	mg/l	J
PL-03		06/15/2005	Solids, Total Suspended (TSS)		14	mg/l	
PL-03		06/15/2005	Specific conductance		813	umho/cm	
PL-03		06/15/2005	Strontium	Dissolved	140	ug/l	
PL-03		06/15/2005	Strontium	Total	140	ug/l	
PL-03		06/15/2005	Temperature, air		21	deg C	
PL-03		06/15/2005	Temperature, sample		2	deg C	
PL-03		06/15/2005	Temperature, water		20.5	deg C	
PL-03		06/15/2005	Turbidity		9.4	NTU	
PL-03		06/15/2005	Vanadium	Dissolved		ug/l	ND
PL-03		06/15/2005	Vanadium	Total	3	ug/l	J
PL-03		06/15/2005	Zinc	Dissolved	9.2	ug/l	J
PL-03		06/15/2005	Zinc	Total	7.2	ug/l	J
PL-03		07/26/2005	Aluminum	Dissolved	20	ug/l	J
PL-03		07/26/2005	Aluminum	Total	130	ug/l	
PL-03		07/26/2005	Barium	Dissolved	67	ug/l	
PL-03		07/26/2005	Barium	Total	70	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		07/26/2005	Beryllium	Dissolved		ug/l	ND
PL-03		07/26/2005	Beryllium	Total		ug/l	ND
PL-03		07/26/2005	Boron	Dissolved	76	ug/l	
PL-03		07/26/2005	Boron	Total	74	ug/l	
PL-03		07/26/2005	Cadmium	Dissolved		ug/l	ND
PL-03		07/26/2005	Cadmium	Total		ug/l	ND
PL-03		07/26/2005	Calcium	Dissolved	78000	ug/l	
PL-03		07/26/2005	Calcium	Total	79000	ug/l	
PL-03		07/26/2005	Chromium	Dissolved		ug/l	ND
PL-03		07/26/2005	Chromium	Total		ug/l	ND
PL-03		07/26/2005	Cobalt	Dissolved		ug/l	ND
PL-03		07/26/2005	Cobalt	Total		ug/l	ND
PL-03		07/26/2005	Copper	Dissolved		ug/l	ND
PL-03		07/26/2005	Copper	Total		ug/l	ND
PL-03		07/26/2005	Dissolved oxygen (DO)		5.34	mg/l	
PL-03		07/26/2005	Hardness, Ca + Mg	Total	360000	ug/l	C
PL-03		07/26/2005	Iron	Dissolved		ug/l	ND
PL-03		07/26/2005	Iron	Total	170	ug/l	
PL-03		07/26/2005	Lead	Dissolved		ug/l	ND
PL-03		07/26/2005	Lead	Total	0.19	ug/l	J
PL-03		07/26/2005	Magnesium	Dissolved	39000	ug/l	
PL-03		07/26/2005	Magnesium	Total	40000	ug/l	
PL-03		07/26/2005	Manganese	Dissolved	100	ug/l	
PL-03		07/26/2005	Manganese	Total	130	ug/l	
PL-03		07/26/2005	Nickel	Dissolved		ug/l	ND
PL-03		07/26/2005	Nickel	Total		ug/l	ND
PL-03		07/26/2005	Nitrogen, Kjeldahl	Total	1.02	mg/l	
PL-03		07/26/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.14	mg/l	
PL-03		07/26/2005	pH		8	None	
PL-03		07/26/2005	Phosphorus as P	Dissolved	0.869	mg/l	
PL-03		07/26/2005	Phosphorus as P	Total	0.944	mg/l	
PL-03		07/26/2005	Potassium	Dissolved	6200	ug/l	
PL-03		07/26/2005	Potassium	Total	6400	ug/l	
PL-03		07/26/2005	Silver	Dissolved		ug/l	ND
PL-03		07/26/2005	Silver	Total		ug/l	ND
PL-03		07/26/2005	Sodium	Dissolved	81000	ug/l	
PL-03		07/26/2005	Sodium	Total	82000	ug/l	
PL-03		07/26/2005	Solids, suspended, volatile		3	mg/l	J
PL-03		07/26/2005	Solids, Total Suspended (TSS)		4	mg/l	
PL-03		07/26/2005	Specific conductance		1033	umho/cm	
PL-03		07/26/2005	Strontium	Dissolved	170	ug/l	
PL-03		07/26/2005	Strontium	Total	170	ug/l	
PL-03		07/26/2005	Temperature, air		24	deg C	
PL-03		07/26/2005	Temperature, sample		2	deg C	
PL-03		07/26/2005	Temperature, water		26.4	deg C	
PL-03		07/26/2005	Turbidity		5.4	NTU	
PL-03		07/26/2005	Vanadium	Dissolved	3	ug/l	J
PL-03		07/26/2005	Vanadium	Total	4.9	ug/l	J
PL-03		07/26/2005	Zinc	Dissolved	8.2	ug/l	J
PL-03		07/26/2005	Zinc	Total	12	ug/l	V
PL-03		09/13/2005	Aluminum	Dissolved	63	ug/l	J
PL-03		09/13/2005	Aluminum	Total	510	ug/l	
PL-03		09/13/2005	Barium	Dissolved	72	ug/l	
PL-03		09/13/2005	Barium	Total	84	ug/l	
PL-03		09/13/2005	Beryllium	Dissolved		ug/l	ND
PL-03		09/13/2005	Beryllium	Total		ug/l	ND
PL-03		09/13/2005	Boron	Dissolved	87	ug/l	
PL-03		09/13/2005	Boron	Total	86	ug/l	
PL-03		09/13/2005	Cadmium	Dissolved		ug/l	ND
PL-03		09/13/2005	Cadmium	Total		ug/l	ND
PL-03		09/13/2005	Calcium	Dissolved	64000	ug/l	
PL-03		09/13/2005	Calcium	Total	68000	ug/l	
PL-03		09/13/2005	Chromium	Dissolved		ug/l	ND
PL-03		09/13/2005	Chromium	Total		ug/l	ND
PL-03		09/13/2005	Cobalt	Dissolved		ug/l	ND
PL-03		09/13/2005	Cobalt	Total		ug/l	ND
PL-03		09/13/2005	Copper	Dissolved		ug/l	ND
PL-03		09/13/2005	Copper	Total	3	ug/l	J

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PL-03		09/13/2005	Dissolved oxygen (DO)		4.76	mg/l	
PL-03		09/13/2005	Hardness, Ca + Mg	Total	350000	ug/l	C
PL-03		09/13/2005	Iron	Dissolved		ug/l	ND,z
PL-03		09/13/2005	Iron	Total	860	ug/l	
PL-03		09/13/2005	Lead	Dissolved	1.4	ug/l	J
PL-03		09/13/2005	Lead	Total		ug/l	ND
PL-03		09/13/2005	Magnesium	Dissolved	40000	ug/l	
PL-03		09/13/2005	Magnesium	Total	43000	ug/l	
PL-03		09/13/2005	Manganese	Dissolved	200	ug/l	
PL-03		09/13/2005	Manganese	Total	320	ug/l	
PL-03		09/13/2005	Nickel	Dissolved		ug/l	ND
PL-03		09/13/2005	Nickel	Total		ug/l	ND
PL-03		09/13/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total		mg/l	ND
PL-03		09/13/2005	pH		8.65	None	
PL-03		09/13/2005	Phosphorus as P	Dissolved	0.32	mg/l	
PL-03		09/13/2005	Phosphorus as P	Total	0.608	mg/l	
PL-03		09/13/2005	Potassium	Dissolved	6200	ug/l	
PL-03		09/13/2005	Potassium	Total	6500	ug/l	
PL-03		09/13/2005	Silver	Dissolved		ug/l	ND
PL-03		09/13/2005	Silver	Total		ug/l	ND
PL-03		09/13/2005	Sodium	Dissolved	120000	ug/l	
PL-03		09/13/2005	Sodium	Total	120000	ug/l	
PL-03		09/13/2005	Specific conductance		1100	umho/cm	
PL-03		09/13/2005	Strontium	Dissolved	160	ug/l	
PL-03		09/13/2005	Strontium	Total	170	ug/l	
PL-03		09/13/2005	Temperature, air		23.5	deg C	
PL-03		09/13/2005	Temperature, sample		3	deg C	
PL-03		09/13/2005	Temperature, water		22.9	deg C	
PL-03		09/13/2005	Turbidity		20	NTU	
PL-03		09/13/2005	Vanadium	Dissolved	3.6	ug/l	J
PL-03		09/13/2005	Vanadium	Total	4	ug/l	J
PL-03		09/13/2005	Zinc	Dissolved	6.8	ug/l	J
PL-03		09/13/2005	Zinc	Total	9	ug/l	J
PL-03		10/13/2005	Aluminum	Dissolved	22	ug/l	J
PL-03		10/13/2005	Aluminum	Total	97	ug/l	J
PL-03		10/13/2005	Barium	Dissolved	62	ug/l	
PL-03		10/13/2005	Barium	Total	65	ug/l	
PL-03		10/13/2005	Beryllium	Dissolved		ug/l	ND
PL-03		10/13/2005	Beryllium	Total		ug/l	ND
PL-03		10/13/2005	Boron	Dissolved	70	ug/l	
PL-03		10/13/2005	Boron	Total	70	ug/l	
PL-03		10/13/2005	Cadmium	Dissolved		ug/l	ND
PL-03		10/13/2005	Cadmium	Total		ug/l	ND
PL-03		10/13/2005	Calcium	Dissolved	71000	ug/l	
PL-03		10/13/2005	Calcium	Total	70000	ug/l	
PL-03		10/13/2005	Chromium	Dissolved		ug/l	ND
PL-03		10/13/2005	Chromium	Total		ug/l	ND
PL-03		10/13/2005	Cobalt	Dissolved		ug/l	ND
PL-03		10/13/2005	Cobalt	Total		ug/l	ND
PL-03		10/13/2005	Copper	Dissolved		ug/l	ND
PL-03		10/13/2005	Copper	Total		ug/l	ND
PL-03		10/13/2005	Dissolved oxygen (DO)		10.49	mg/l	
PL-03		10/13/2005	Hardness, Ca + Mg	Total	330000	ug/l	C
PL-03		10/13/2005	Iron	Dissolved		ug/l	ND
PL-03		10/13/2005	Iron	Total	160	ug/l	
PL-03		10/13/2005	Lead	Dissolved		ug/l	ND
PL-03		10/13/2005	Lead	Total		ug/l	ND
PL-03		10/13/2005	Magnesium	Dissolved	38000	ug/l	
PL-03		10/13/2005	Magnesium	Total	37000	ug/l	
PL-03		10/13/2005	Manganese	Dissolved	70	ug/l	
PL-03		10/13/2005	Manganese	Total	79	ug/l	
PL-03		10/13/2005	Nickel	Dissolved		ug/l	ND
PL-03		10/13/2005	Nickel	Total		ug/l	ND
PL-03		10/13/2005	pH		8.38	None	
PL-03		10/13/2005	Potassium	Dissolved	4700	ug/l	
PL-03		10/13/2005	Potassium	Total	4800	ug/l	
PL-03		10/13/2005	Silver	Dissolved		ug/l	ND
PL-03		10/13/2005	Silver	Total		ug/l	ND

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PL-03		10/13/2005	Sodium	Dissolved	84000	ug/l	
PL-03		10/13/2005	Sodium	Total	91000	ug/l	
PL-03		10/13/2005	Specific conductance		1040	umho/cm	
PL-03		10/13/2005	Strontium	Dissolved	160	ug/l	
PL-03		10/13/2005	Strontium	Total	160	ug/l	
PL-03		10/13/2005	Temperature, air		15	deg C	
PL-03		10/13/2005	Temperature, sample		6	deg C	
PL-03		10/13/2005	Temperature, water		16.07	deg C	
PL-03		10/13/2005	Turbidity		3.3	NTU	
PL-03		10/13/2005	Vanadium	Dissolved		ug/l	ND
PL-03		10/13/2005	Vanadium	Total		ug/l	ND
PL-03		10/13/2005	Zinc	Dissolved	9.2	ug/l	J
PL-03		10/13/2005	Zinc	Total	8.1	ug/l	J
PL-03		11/30/2005	Aluminum	Dissolved	32	ug/l	J
PL-03		11/30/2005	Aluminum	Total	54	ug/l	J
PL-03		11/30/2005	Barium	Dissolved	57	ug/l	
PL-03		11/30/2005	Barium	Total	64	ug/l	
PL-03		11/30/2005	Beryllium	Dissolved		ug/l	ND
PL-03		11/30/2005	Beryllium	Total		ug/l	ND
PL-03		11/30/2005	Boron	Dissolved	60	ug/l	
PL-03		11/30/2005	Boron	Total	61	ug/l	
PL-03		11/30/2005	Cadmium	Dissolved		ug/l	ND
PL-03		11/30/2005	Cadmium	Total		ug/l	ND
PL-03		11/30/2005	Calcium	Dissolved	69000	ug/l	
PL-03		11/30/2005	Calcium	Total	72000	ug/l	
PL-03		11/30/2005	Chromium	Dissolved		ug/l	ND
PL-03		11/30/2005	Chromium	Total		ug/l	ND
PL-03		11/30/2005	Cobalt	Dissolved		ug/l	ND
PL-03		11/30/2005	Cobalt	Total		ug/l	ND
PL-03		11/30/2005	Copper	Dissolved		ug/l	ND
PL-03		11/30/2005	Copper	Total		ug/l	ND
PL-03		11/30/2005	Dissolved oxygen (DO)		14.1	mg/l	
PL-03		11/30/2005	Hardness, Ca + Mg	Total	330000	ug/l	C
PL-03		11/30/2005	Iron	Dissolved		ug/l	ND
PL-03		11/30/2005	Iron	Total	140	ug/l	
PL-03		11/30/2005	Lead	Dissolved		ug/l	ND
PL-03		11/30/2005	Lead	Total	1.5	ug/l	J
PL-03		11/30/2005	Magnesium	Dissolved	34000	ug/l	
PL-03		11/30/2005	Magnesium	Total	37000	ug/l	
PL-03		11/30/2005	Manganese	Dissolved	57	ug/l	
PL-03		11/30/2005	Manganese	Total	64	ug/l	
PL-03		11/30/2005	Nickel	Dissolved		ug/l	ND
PL-03		11/30/2005	Nickel	Total		ug/l	ND,z
PL-03		11/30/2005	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3	mg/l	
PL-03		11/30/2005	pH		8.09	None	
PL-03		11/30/2005	Phosphorus as P	Dissolved	0.189	mg/l	
PL-03		11/30/2005	Phosphorus as P	Total	0.221	mg/l	
PL-03		11/30/2005	Potassium	Dissolved	4800	ug/l	
PL-03		11/30/2005	Potassium	Total	5100	ug/l	
PL-03		11/30/2005	Silver	Dissolved		ug/l	ND
PL-03		11/30/2005	Silver	Total		ug/l	ND
PL-03		11/30/2005	Sodium	Dissolved	69000	ug/l	
PL-03		11/30/2005	Sodium	Total	68000	ug/l	
PL-03		11/30/2005	Specific conductance		927	umho/cm	
PL-03		11/30/2005	Strontium	Dissolved	140	ug/l	
PL-03		11/30/2005	Strontium	Total	160	ug/l	
PL-03		11/30/2005	Temperature, air		0	deg C	
PL-03		11/30/2005	Temperature, sample		6	deg C	
PL-03		11/30/2005	Temperature, water		1.58	deg C	
PL-03		11/30/2005	Turbidity		3	NTU	
PL-03		11/30/2005	Vanadium	Dissolved		ug/l	ND
PL-03		11/30/2005	Vanadium	Total		ug/l	ND
PL-03		11/30/2005	Zinc	Dissolved	16	ug/l	V
PL-03		11/30/2005	Zinc	Total	13	ug/l	
PL-03		01/21/2003	Aluminum	Dissolved		ug/l	ND
PL-03		01/21/2003	Aluminum	Total		ug/l	ND
PL-03		01/21/2003	Barium	Dissolved	55	ug/l	
PL-03		01/21/2003	Barium	Total	60	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		01/21/2003	Beryllium	Dissolved		ug/l	ND
PL-03		01/21/2003	Beryllium	Total		ug/l	ND
PL-03		01/21/2003	Boron	Dissolved	53	ug/l	
PL-03		01/21/2003	Boron	Total	54	ug/l	
PL-03		01/21/2003	Cadmium	Dissolved		ug/l	ND
PL-03		01/21/2003	Cadmium	Total		ug/l	ND
PL-03		01/21/2003	Calcium	Dissolved	89000	ug/l	
PL-03		01/21/2003	Calcium	Total	92000	ug/l	
PL-03		01/21/2003	Chromium	Dissolved		ug/l	ND
PL-03		01/21/2003	Chromium	Total		ug/l	ND
PL-03		01/21/2003	Cobalt	Dissolved		ug/l	ND
PL-03		01/21/2003	Cobalt	Total		ug/l	ND
PL-03		01/21/2003	Copper	Dissolved		ug/l	ND
PL-03		01/21/2003	Copper	Total		ug/l	ND
PL-03		01/21/2003	Dissolved oxygen (DO)		12.42	mg/l	
PL-03		01/21/2003	Hardness, Ca + Mg	Total	410000	ug/l	C
PL-03		01/21/2003	Iron	Dissolved		ug/l	ND
PL-03		01/21/2003	Iron	Total	200	ug/l	
PL-03		01/21/2003	Lead	Dissolved		ug/l	ND
PL-03		01/21/2003	Lead	Total		ug/l	ND
PL-03		01/21/2003	Magnesium	Dissolved	43000	ug/l	
PL-03		01/21/2003	Magnesium	Total	44000	ug/l	
PL-03		01/21/2003	Manganese	Dissolved	100	ug/l	
PL-03		01/21/2003	Manganese	Total	110	ug/l	
PL-03		01/21/2003	Mercury	Total		ug/l	ND
PL-03		01/21/2003	Nickel	Dissolved		ug/l	ND
PL-03		01/21/2003	Nickel	Total		ug/l	ND
PL-03		01/21/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	5.32	mg/l	J1,J3,J4
PL-03		01/21/2003	pH		7.01	None	
PL-03		01/21/2003	Potassium	Dissolved	5400	ug/l	
PL-03		01/21/2003	Potassium	Total	4300	ug/l	
PL-03		01/21/2003	Silver	Dissolved		ug/l	ND
PL-03		01/21/2003	Silver	Total		ug/l	ND
PL-03		01/21/2003	Sodium	Dissolved	63000	ug/l	
PL-03		01/21/2003	Sodium	Total	64000	ug/l	
PL-03		01/21/2003	Solids, suspended, volatile		3	mg/l	J1,J3,J4
PL-03		01/21/2003	Solids, Total Suspended (TSS)		4	mg/l	J1,J3,J4
PL-03		01/21/2003	Specific conductance		1063	umho/cm	
PL-03		01/21/2003	Strontium	Dissolved	170	ug/l	
PL-03		01/21/2003	Strontium	Total	170	ug/l	
PL-03		01/21/2003	Temperature, air		-10	deg C	
PL-03		01/21/2003	Temperature, sample		2	deg C	
PL-03		01/21/2003	Temperature, water		-0.12	deg C	
PL-03		01/21/2003	Turbidity		3.8	NTU	
PL-03		01/21/2003	Vanadium	Dissolved		ug/l	ND
PL-03		01/21/2003	Vanadium	Total		ug/l	ND
PL-03		01/21/2003	Zinc	Dissolved		ug/l	ND
PL-03		01/21/2003	Zinc	Total		ug/l	ND
PL-03		03/03/2003	Aluminum	Dissolved		ug/l	ND
PL-03		03/03/2003	Aluminum	Total		ug/l	ND
PL-03		03/03/2003	Barium	Dissolved	52	ug/l	
PL-03		03/03/2003	Barium	Total	56	ug/l	
PL-03		03/03/2003	Beryllium	Dissolved		ug/l	ND
PL-03		03/03/2003	Beryllium	Total		ug/l	ND
PL-03		03/03/2003	Boron	Dissolved	36	ug/l	
PL-03		03/03/2003	Boron	Total	28	ug/l	
PL-03		03/03/2003	Cadmium	Dissolved		ug/l	ND
PL-03		03/03/2003	Cadmium	Total		ug/l	ND
PL-03		03/03/2003	Calcium	Dissolved	76000	ug/l	
PL-03		03/03/2003	Calcium	Total	78000	ug/l	
PL-03		03/03/2003	Chromium	Dissolved		ug/l	ND
PL-03		03/03/2003	Chromium	Total		ug/l	ND
PL-03		03/03/2003	Cobalt	Dissolved		ug/l	ND
PL-03		03/03/2003	Cobalt	Total		ug/l	ND
PL-03		03/03/2003	Copper	Dissolved		ug/l	ND
PL-03		03/03/2003	Copper	Total		ug/l	ND
PL-03		03/03/2003	Dissolved oxygen (DO)		14.62	mg/l	
PL-03		03/03/2003	Hardness, Ca + Mg	Total	353000	ug/l	C

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PL-03		03/03/2003	Iron	Dissolved		ug/l	ND
PL-03		03/03/2003	Iron	Total	200	ug/l	
PL-03		03/03/2003	Lead	Dissolved		ug/l	ND
PL-03		03/03/2003	Lead	Total		ug/l	ND
PL-03		03/03/2003	Magnesium	Dissolved	37000	ug/l	
PL-03		03/03/2003	Magnesium	Total	38000	ug/l	
PL-03		03/03/2003	Manganese	Dissolved	120	ug/l	
PL-03		03/03/2003	Manganese	Total	130	ug/l	
PL-03		03/03/2003	Mercury	Total		ug/l	ND
PL-03		03/03/2003	Nickel	Dissolved		ug/l	ND
PL-03		03/03/2003	Nickel	Total		ug/l	ND
PL-03		03/03/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.61	mg/l	J1,J3,J4
PL-03		03/03/2003	pH		7.83	None	
PL-03		03/03/2003	Potassium	Dissolved	4100	ug/l	
PL-03		03/03/2003	Potassium	Total	4400	ug/l	
PL-03		03/03/2003	Silver	Dissolved		ug/l	ND
PL-03		03/03/2003	Silver	Total		ug/l	ND
PL-03		03/03/2003	Sodium	Dissolved	62000	ug/l	
PL-03		03/03/2003	Sodium	Total	64000	ug/l	
PL-03		03/03/2003	Solids, suspended, volatile		2	mg/l	J1,J3,J4,Q
PL-03		03/03/2003	Solids, Total Suspended (TSS)		2	mg/l	J1,J3,J4,Q
PL-03		03/03/2003	Specific conductance		929	umho/cm	
PL-03		03/03/2003	Strontium	Dissolved	160	ug/l	
PL-03		03/03/2003	Strontium	Total	160	ug/l	
PL-03		03/03/2003	Temperature, air		-7	deg C	
PL-03		03/03/2003	Temperature, sample		2	deg C	
PL-03		03/03/2003	Temperature, water		-0.14	deg C	
PL-03		03/03/2003	Turbidity		3.85	NTU	
PL-03		03/03/2003	Vanadium	Dissolved		ug/l	ND
PL-03		03/03/2003	Vanadium	Total		ug/l	ND
PL-03		03/03/2003	Zinc	Dissolved		ug/l	ND
PL-03		03/03/2003	Zinc	Total		ug/l	ND
PL-03		04/08/2003	Aluminum	Dissolved		ug/l	ND
PL-03		04/08/2003	Aluminum	Total		ug/l	ND
PL-03		04/08/2003	Barium	Dissolved	44	ug/l	
PL-03		04/08/2003	Barium	Total	49	ug/l	
PL-03		04/08/2003	Beryllium	Dissolved		ug/l	ND
PL-03		04/08/2003	Beryllium	Total		ug/l	ND
PL-03		04/08/2003	Boron	Dissolved	35	ug/l	
PL-03		04/08/2003	Boron	Total	33	ug/l	
PL-03		04/08/2003	Cadmium	Dissolved		ug/l	ND
PL-03		04/08/2003	Cadmium	Total		ug/l	ND
PL-03		04/08/2003	Calcium	Dissolved	74000	ug/l	
PL-03		04/08/2003	Calcium	Total	76000	ug/l	
PL-03		04/08/2003	Chromium	Dissolved		ug/l	ND
PL-03		04/08/2003	Chromium	Total		ug/l	ND
PL-03		04/08/2003	Cobalt	Dissolved		ug/l	ND
PL-03		04/08/2003	Cobalt	Total		ug/l	ND
PL-03		04/08/2003	Copper	Dissolved		ug/l	ND
PL-03		04/08/2003	Copper	Total		ug/l	ND
PL-03		04/08/2003	Dissolved oxygen (DO)		11.68	mg/l	
PL-03		04/08/2003	Hardness, Ca + Mg	Total	345000	ug/l	C
PL-03		04/08/2003	Iron	Dissolved		ug/l	ND
PL-03		04/08/2003	Iron	Total	240	ug/l	
PL-03		04/08/2003	Lead	Dissolved		ug/l	ND
PL-03		04/08/2003	Lead	Total		ug/l	ND
PL-03		04/08/2003	Magnesium	Dissolved	37000	ug/l	
PL-03		04/08/2003	Magnesium	Total	38000	ug/l	
PL-03		04/08/2003	Manganese	Dissolved	170	ug/l	
PL-03		04/08/2003	Manganese	Total	190	ug/l	
PL-03		04/08/2003	Mercury	Total		ug/l	ND
PL-03		04/08/2003	Nickel	Dissolved		ug/l	ND
PL-03		04/08/2003	Nickel	Total		ug/l	ND
PL-03		04/08/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	2.4	mg/l	J1,J3,J4
PL-03		04/08/2003	pH		8.23	None	
PL-03		04/08/2003	Potassium	Dissolved	3000	ug/l	
PL-03		04/08/2003	Potassium	Total	4200	ug/l	
PL-03		04/08/2003	Silver	Dissolved		ug/l	ND

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		04/08/2003	Silver	Total		ug/l	ND
PL-03		04/08/2003	Sodium	Dissolved	58000	ug/l	
PL-03		04/08/2003	Sodium	Total	59000	ug/l	
PL-03		04/08/2003	Solids, suspended, volatile		1	mg/l	J1,J3,J4
PL-03		04/08/2003	Solids, Total Suspended (TSS)		1	mg/l	J1,J3,J4
PL-03		04/08/2003	Specific conductance		794	umho/cm	
PL-03		04/08/2003	Strontium	Dissolved	130	ug/l	
PL-03		04/08/2003	Strontium	Total	140	ug/l	
PL-03		04/08/2003	Temperature, air		-1	deg C	
PL-03		04/08/2003	Temperature, sample		4	deg C	
PL-03		04/08/2003	Temperature, water		2.65	deg C	
PL-03		04/08/2003	Turbidity		3.1	NTU	
PL-03		04/08/2003	Vanadium	Dissolved		ug/l	ND
PL-03		04/08/2003	Vanadium	Total		ug/l	ND
PL-03		04/08/2003	Zinc	Dissolved		ug/l	ND
PL-03		04/08/2003	Zinc	Total		ug/l	ND
PL-03		05/20/2003	Aluminum	Dissolved		ug/l	ND
PL-03		05/20/2003	Aluminum	Total	8100	ug/l	
PL-03		05/20/2003	Barium	Dissolved	61	ug/l	
PL-03		05/20/2003	Barium	Total	190	ug/l	
PL-03		05/20/2003	Beryllium	Dissolved		ug/l	ND
PL-03		05/20/2003	Beryllium	Total		ug/l	ND
PL-03		05/20/2003	Boron	Dissolved	33	ug/l	
PL-03		05/20/2003	Boron	Total	28	ug/l	
PL-03		05/20/2003	Cadmium	Dissolved		ug/l	ND
PL-03		05/20/2003	Cadmium	Total		ug/l	ND
PL-03		05/20/2003	Calcium	Dissolved	57000	ug/l	
PL-03		05/20/2003	Calcium	Total	70000	ug/l	
PL-03		05/20/2003	Chromium	Dissolved		ug/l	ND
PL-03		05/20/2003	Chromium	Total	13	ug/l	
PL-03		05/20/2003	Cobalt	Dissolved		ug/l	ND
PL-03		05/20/2003	Cobalt	Total		ug/l	ND
PL-03		05/20/2003	Copper	Dissolved		ug/l	ND
PL-03		05/20/2003	Copper	Total	11	ug/l	
PL-03		05/20/2003	Dissolved oxygen (DO)		7.1	mg/l	
PL-03		05/20/2003	Hardness, Ca + Mg	Total	311000	ug/l	C
PL-03		05/20/2003	Iron	Dissolved		ug/l	ND
PL-03		05/20/2003	Iron	Total	10000	ug/l	
PL-03		05/20/2003	Lead	Dissolved		ug/l	ND
PL-03		05/20/2003	Lead	Total	15	ug/l	
PL-03		05/20/2003	Magnesium	Dissolved	27000	ug/l	
PL-03		05/20/2003	Magnesium	Total	33000	ug/l	
PL-03		05/20/2003	Manganese	Dissolved	33	ug/l	
PL-03		05/20/2003	Manganese	Total	720	ug/l	
PL-03		05/20/2003	Nickel	Dissolved		ug/l	ND
PL-03		05/20/2003	Nickel	Total		ug/l	ND
PL-03		05/20/2003	Nitrogen, Kjeldahl	Total	2.66	mg/l	J1,J3,J4
PL-03		05/20/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	5.87	mg/l	J1,J3,J4
PL-03		05/20/2003	pH		7.55	None	
PL-03		05/20/2003	Potassium	Dissolved	3400	ug/l	
PL-03		05/20/2003	Potassium	Total	4700	ug/l	
PL-03		05/20/2003	Silver	Dissolved		ug/l	ND
PL-03		05/20/2003	Silver	Total		ug/l	ND
PL-03		05/20/2003	Sodium	Dissolved	15000	ug/l	
PL-03		05/20/2003	Sodium	Total	14000	ug/l	
PL-03		05/20/2003	Solids, suspended, volatile		79	mg/l	J1,J3,J4
PL-03		05/20/2003	Solids, Total Suspended (TSS)		636	mg/l	J1,J3,J4
PL-03		05/20/2003	Specific conductance		548	umho/cm	
PL-03		05/20/2003	Strontium	Dissolved	88	ug/l	
PL-03		05/20/2003	Strontium	Total	100	ug/l	
PL-03		05/20/2003	Temperature, air		12	deg C	
PL-03		05/20/2003	Temperature, sample		3	deg C	
PL-03		05/20/2003	Temperature, water		16.55	deg C	
PL-03		05/20/2003	Turbidity		455	NTU	
PL-03		05/20/2003	Vanadium	Dissolved		ug/l	ND
PL-03		05/20/2003	Vanadium	Total	18	ug/l	
PL-03		05/20/2003	Zinc	Dissolved		ug/l	ND
PL-03		05/20/2003	Zinc	Total		ug/l	ND

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PL-03		06/24/2003	Aluminum	Dissolved		ug/l	ND
PL-03		06/24/2003	Aluminum	Total	670	ug/l	
PL-03		06/24/2003	Barium	Dissolved	71	ug/l	
PL-03		06/24/2003	Barium	Total	84	ug/l	
PL-03		06/24/2003	Beryllium	Dissolved		ug/l	ND
PL-03		06/24/2003	Beryllium	Total		ug/l	ND
PL-03		06/24/2003	Boron	Dissolved	33	ug/l	
PL-03		06/24/2003	Boron	Total	41	ug/l	
PL-03		06/24/2003	Cadmium	Dissolved		ug/l	ND
PL-03		06/24/2003	Cadmium	Total		ug/l	ND
PL-03		06/24/2003	Calcium	Dissolved	76000	ug/l	
PL-03		06/24/2003	Calcium	Total	81000	ug/l	
PL-03		06/24/2003	Chromium	Dissolved	10	ug/l	
PL-03		06/24/2003	Chromium	Total		ug/l	ND
PL-03		06/24/2003	Cobalt	Dissolved		ug/l	ND
PL-03		06/24/2003	Cobalt	Total		ug/l	ND
PL-03		06/24/2003	Copper	Dissolved		ug/l	ND
PL-03		06/24/2003	Copper	Total		ug/l	ND
PL-03		06/24/2003	Dissolved oxygen (DO)		9.22	mg/l	
PL-03		06/24/2003	Hardness, Ca + Mg	Total	364000	ug/l	C
PL-03		06/24/2003	Iron	Dissolved	60	ug/l	
PL-03		06/24/2003	Iron	Total	980	ug/l	
PL-03		06/24/2003	Lead	Dissolved		ug/l	ND
PL-03		06/24/2003	Lead	Total		ug/l	ND
PL-03		06/24/2003	Magnesium	Dissolved	37000	ug/l	
PL-03		06/24/2003	Magnesium	Total	40000	ug/l	
PL-03		06/24/2003	Manganese	Dissolved	64	ug/l	
PL-03		06/24/2003	Manganese	Total	140	ug/l	
PL-03		06/24/2003	Nickel	Dissolved		ug/l	ND
PL-03		06/24/2003	Nickel	Total		ug/l	ND
PL-03		06/24/2003	Nitrogen, Kjeldahl	Total	0.86	mg/l	J1,J3,J4,Q
PL-03		06/24/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	2.42	mg/l	J1,J3,J4
PL-03		06/24/2003	pH		8.15	None	
PL-03		06/24/2003	Phosphorus as P	Dissolved	0.65	mg/l	J1,J3,J4,Q
PL-03		06/24/2003	Phosphorus as P	Total	0.75	mg/l	J1,J3,J4,Q
PL-03		06/24/2003	Potassium	Dissolved	3800	ug/l	
PL-03		06/24/2003	Potassium	Total	5200	ug/l	
PL-03		06/24/2003	Silver	Dissolved		ug/l	ND
PL-03		06/24/2003	Silver	Total		ug/l	ND
PL-03		06/24/2003	Sodium	Dissolved	50000	ug/l	
PL-03		06/24/2003	Sodium	Total	52000	ug/l	
PL-03		06/24/2003	Solids, suspended, volatile		9	mg/l	J1,J3,J4
PL-03		06/24/2003	Solids, Total Suspended (TSS)		57	mg/l	J1,J3,J4
PL-03		06/24/2003	Specific conductance		852	umho/cm	
PL-03		06/24/2003	Strontium	Dissolved	150	ug/l	
PL-03		06/24/2003	Strontium	Total	160	ug/l	
PL-03		06/24/2003	Temperature, air		23.5	deg C	
PL-03		06/24/2003	Temperature, sample		6	deg C	
PL-03		06/24/2003	Temperature, water		22.8	deg C	
PL-03		06/24/2003	Turbidity		28	NTU	
PL-03		06/24/2003	Vanadium	Dissolved		ug/l	ND
PL-03		06/24/2003	Vanadium	Total		ug/l	ND
PL-03		06/24/2003	Zinc	Dissolved		ug/l	ND
PL-03		06/24/2003	Zinc	Total		ug/l	ND
PL-03		08/06/2003	Aluminum	Dissolved		ug/l	ND
PL-03		08/06/2003	Aluminum	Total		ug/l	ND
PL-03		08/06/2003	Barium	Dissolved	55	ug/l	
PL-03		08/06/2003	Barium	Total	59	ug/l	
PL-03		08/06/2003	Beryllium	Dissolved		ug/l	ND
PL-03		08/06/2003	Beryllium	Total		ug/l	ND
PL-03		08/06/2003	Boron	Dissolved	50	ug/l	
PL-03		08/06/2003	Boron	Total	53	ug/l	
PL-03		08/06/2003	Cadmium	Dissolved		ug/l	ND
PL-03		08/06/2003	Cadmium	Total		ug/l	ND
PL-03		08/06/2003	Calcium	Dissolved	66000	ug/l	
PL-03		08/06/2003	Calcium	Total	70000	ug/l	
PL-03		08/06/2003	Chromium	Dissolved		ug/l	ND
PL-03		08/06/2003	Chromium	Total		ug/l	ND

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PL-03		08/06/2003	Cobalt	Dissolved		ug/l	ND
PL-03		08/06/2003	Cobalt	Total		ug/l	ND
PL-03		08/06/2003	Copper	Dissolved		ug/l	ND
PL-03		08/06/2003	Copper	Total		ug/l	ND
PL-03		08/06/2003	Dissolved oxygen (DO)		8.62	mg/l	
PL-03		08/06/2003	Hardness, Ca + Mg	Total	320000	ug/l	C
PL-03		08/06/2003	Iron	Dissolved		ug/l	ND
PL-03		08/06/2003	Iron	Total	140	ug/l	
PL-03		08/06/2003	Lead	Dissolved		ug/l	ND
PL-03		08/06/2003	Lead	Total		ug/l	ND
PL-03		08/06/2003	Magnesium	Dissolved	34000	ug/l	
PL-03		08/06/2003	Magnesium	Total	36000	ug/l	
PL-03		08/06/2003	Manganese	Dissolved	59	ug/l	
PL-03		08/06/2003	Manganese	Total	75	ug/l	
PL-03		08/06/2003	Nickel	Dissolved		ug/l	ND
PL-03		08/06/2003	Nickel	Total		ug/l	ND
PL-03		08/06/2003	Nitrogen, Kjeldahl	Total	0.63	mg/l	J1,J3,J4,Q
PL-03		08/06/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.25	mg/l	J1,J3,J4
PL-03		08/06/2003	pH		8.17	None	
PL-03		08/06/2003	Phosphorus as P	Dissolved	0.93	mg/l	J1,J3,J4
PL-03		08/06/2003	Phosphorus as P	Total	1	mg/l	J1,J3,J4
PL-03		08/06/2003	Potassium	Dissolved	4800	ug/l	
PL-03		08/06/2003	Potassium	Total	5000	ug/l	
PL-03		08/06/2003	Silver	Dissolved		ug/l	ND
PL-03		08/06/2003	Silver	Total		ug/l	ND
PL-03		08/06/2003	Sodium	Dissolved	56000	ug/l	
PL-03		08/06/2003	Sodium	Total	59000	ug/l	
PL-03		08/06/2003	Solids, suspended, volatile		3	mg/l	J1,J3,J4
PL-03		08/06/2003	Solids, Total Suspended (TSS)		6	mg/l	J1,J3,J4
PL-03		08/06/2003	Specific conductance		904	umho/cm	
PL-03		08/06/2003	Strontium	Dissolved	140	ug/l	
PL-03		08/06/2003	Strontium	Total	140	ug/l	
PL-03		08/06/2003	Temperature, air		21	deg C	
PL-03		08/06/2003	Temperature, sample		6	deg C	
PL-03		08/06/2003	Temperature, water		23.43	deg C	
PL-03		08/06/2003	Turbidity		5.1	NTU	
PL-03		08/06/2003	Vanadium	Dissolved		ug/l	ND
PL-03		08/06/2003	Vanadium	Total		ug/l	ND
PL-03		08/06/2003	Zinc	Dissolved		ug/l	ND
PL-03		08/06/2003	Zinc	Total		ug/l	ND
PL-03		08/15/2003	Chlorophyll a, corrected for pheophytin	Total	12.4	ug/l	J1,J3,J4
PL-03		08/15/2003	Chlorophyll a, uncorrected for pheophytin	Total	13.1	ug/l	J1,J3,J4
PL-03		08/15/2003	Chlorophyll-b	Total		ug/l	J1,J3,J4,ND
PL-03		08/15/2003	Chlorophyll-c	Total		ug/l	J1,J3,J4,ND
PL-03		09/17/2003	Aluminum	Dissolved		ug/l	ND
PL-03		09/17/2003	Aluminum	Total	220	ug/l	
PL-03		09/17/2003	Barium	Dissolved	51	ug/l	
PL-03		09/17/2003	Barium	Total	55	ug/l	
PL-03		09/17/2003	Beryllium	Dissolved		ug/l	ND
PL-03		09/17/2003	Beryllium	Total		ug/l	ND
PL-03		09/17/2003	Boron	Dissolved	78	ug/l	
PL-03		09/17/2003	Boron	Total	80	ug/l	
PL-03		09/17/2003	Cadmium	Dissolved		ug/l	ND
PL-03		09/17/2003	Cadmium	Total		ug/l	ND
PL-03		09/17/2003	Calcium	Dissolved	65000	ug/l	
PL-03		09/17/2003	Calcium	Total	65000	ug/l	
PL-03		09/17/2003	Chromium	Dissolved		ug/l	ND
PL-03		09/17/2003	Chromium	Total		ug/l	ND
PL-03		09/17/2003	Cobalt	Dissolved		ug/l	ND
PL-03		09/17/2003	Cobalt	Total		ug/l	ND
PL-03		09/17/2003	Copper	Dissolved		ug/l	ND
PL-03		09/17/2003	Copper	Total		ug/l	ND
PL-03		09/17/2003	Dissolved oxygen (DO)		9.26	mg/l	
PL-03		09/17/2003	Hardness, Ca + Mg	Total	309000	ug/l	C
PL-03		09/17/2003	Iron	Dissolved		ug/l	ND
PL-03		09/17/2003	Iron	Total	340	ug/l	
PL-03		09/17/2003	Lead	Dissolved		ug/l	ND
PL-03		09/17/2003	Lead	Total		ug/l	ND

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PL-03		09/17/2003	Magnesium	Dissolved	35000	ug/l	
PL-03		09/17/2003	Magnesium	Total	36000	ug/l	
PL-03		09/17/2003	Manganese	Dissolved	84	ug/l	
PL-03		09/17/2003	Manganese	Total	110	ug/l	
PL-03		09/17/2003	Nickel	Dissolved		ug/l	ND
PL-03		09/17/2003	Nickel	Total		ug/l	ND
PL-03		09/17/2003	Nitrogen, Kjeldahl	Total	0.51	mg/l	J1,J3,J4
PL-03		09/17/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.34	mg/l	J1,J3,J4
PL-03		09/17/2003	pH		8.15	None	
PL-03		09/17/2003	Phosphorus as P	Dissolved	1.96	mg/l	J1,J3,J4
PL-03		09/17/2003	Phosphorus as P	Total	3.02	mg/l	J1,J3,J4
PL-03		09/17/2003	Potassium	Dissolved	8900	ug/l	
PL-03		09/17/2003	Potassium	Total	8900	ug/l	
PL-03		09/17/2003	Silver	Dissolved		ug/l	ND
PL-03		09/17/2003	Silver	Total		ug/l	ND
PL-03		09/17/2003	Sodium	Dissolved	95000	ug/l	
PL-03		09/17/2003	Sodium	Total	94000	ug/l	
PL-03		09/17/2003	Solids, suspended, volatile		6	mg/l	J1,J3,J4
PL-03		09/17/2003	Solids, Total Suspended (TSS)		17	mg/l	J1,J3,J4
PL-03		09/17/2003	Specific conductance		1047	umho/cm	
PL-03		09/17/2003	Strontium	Dissolved	140	ug/l	
PL-03		09/17/2003	Strontium	Total	140	ug/l	
PL-03		09/17/2003	Temperature, air		16	deg C	
PL-03		09/17/2003	Temperature, sample		4	deg C	
PL-03		09/17/2003	Temperature, water		16.95	deg C	
PL-03		09/17/2003	Turbidity		9.7	NTU	
PL-03		09/17/2003	Vanadium	Dissolved		ug/l	ND
PL-03		09/17/2003	Vanadium	Total		ug/l	ND
PL-03		09/17/2003	Zinc	Dissolved		ug/l	ND
PL-03		09/17/2003	Zinc	Total		ug/l	ND
PL-03		10/28/2003	Aluminum	Dissolved		ug/l	ND
PL-03		10/28/2003	Aluminum	Total		ug/l	ND
PL-03		10/28/2003	Barium	Dissolved	37	ug/l	
PL-03		10/28/2003	Barium	Total	39	ug/l	
PL-03		10/28/2003	Beryllium	Dissolved		ug/l	ND
PL-03		10/28/2003	Beryllium	Total		ug/l	ND
PL-03		10/28/2003	Boron	Dissolved	69	ug/l	
PL-03		10/28/2003	Boron	Total	72	ug/l	
PL-03		10/28/2003	Cadmium	Dissolved		ug/l	ND
PL-03		10/28/2003	Cadmium	Total		ug/l	ND
PL-03		10/28/2003	Calcium	Dissolved	73000	ug/l	
PL-03		10/28/2003	Calcium	Total	74000	ug/l	
PL-03		10/28/2003	Chromium	Dissolved		ug/l	ND
PL-03		10/28/2003	Chromium	Total		ug/l	ND
PL-03		10/28/2003	Cobalt	Dissolved		ug/l	ND
PL-03		10/28/2003	Cobalt	Total		ug/l	ND
PL-03		10/28/2003	Copper	Dissolved		ug/l	ND
PL-03		10/28/2003	Copper	Total		ug/l	ND
PL-03		10/28/2003	Dissolved oxygen (DO)		8.9	mg/l	
PL-03		10/28/2003	Hardness, Ca + Mg	Total	347000	ug/l	C
PL-03		10/28/2003	Iron	Dissolved		ug/l	ND
PL-03		10/28/2003	Iron	Total	210	ug/l	
PL-03		10/28/2003	Lead	Dissolved		ug/l	ND
PL-03		10/28/2003	Lead	Total		ug/l	ND
PL-03		10/28/2003	Magnesium	Dissolved	39000	ug/l	
PL-03		10/28/2003	Magnesium	Total	40000	ug/l	
PL-03		10/28/2003	Manganese	Dissolved	71	ug/l	
PL-03		10/28/2003	Manganese	Total	88	ug/l	
PL-03		10/28/2003	Nickel	Dissolved		ug/l	ND
PL-03		10/28/2003	Nickel	Total		ug/l	ND
PL-03		10/28/2003	Nitrogen, Kjeldahl	Total		mg/l	J1,J3,J4,ND
PL-03		10/28/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	4.14	mg/l	J1,J3,J4
PL-03		10/28/2003	pH		8.4	None	
PL-03		10/28/2003	Phosphorus as P	Dissolved	2.55	mg/l	J1,J3,J4
PL-03		10/28/2003	Phosphorus as P	Total	2.76	mg/l	J1,J3,J4
PL-03		10/28/2003	Potassium	Dissolved	8600	ug/l	
PL-03		10/28/2003	Potassium	Total	8900	ug/l	
PL-03		10/28/2003	Silver	Dissolved		ug/l	ND

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PL-03		10/28/2003	Silver	Total		ug/l	ND
PL-03		10/28/2003	Sodium	Dissolved	79000	ug/l	
PL-03		10/28/2003	Sodium	Total	80000	ug/l	
PL-03		10/28/2003	Solids, suspended, volatile		5	mg/l	J1,J3,J4
PL-03		10/28/2003	Solids, Total Suspended (TSS)		10	mg/l	J1,J3,J4
PL-03		10/28/2003	Specific conductance		1014	umho/cm	
PL-03		10/28/2003	Strontium	Dissolved	160	ug/l	
PL-03		10/28/2003	Strontium	Total	160	ug/l	
PL-03		10/28/2003	Temperature, air		10	deg C	
PL-03		10/28/2003	Temperature, sample		2	deg C	
PL-03		10/28/2003	Temperature, water		8.2	deg C	
PL-03		10/28/2003	Turbidity		6.8	NTU	
PL-03		10/28/2003	Vanadium	Dissolved		ug/l	ND
PL-03		10/28/2003	Vanadium	Total		ug/l	ND
PL-03		10/28/2003	Zinc	Dissolved	130	ug/l	
PL-03		10/28/2003	Zinc	Total		ug/l	ND
PL-03		12/09/2003	Aluminum	Dissolved		ug/l	ND
PL-03		12/09/2003	Aluminum	Total	120	ug/l	
PL-03		12/09/2003	Barium	Dissolved	46	ug/l	
PL-03		12/09/2003	Barium	Total	51	ug/l	
PL-03		12/09/2003	Beryllium	Dissolved		ug/l	ND
PL-03		12/09/2003	Beryllium	Total		ug/l	ND
PL-03		12/09/2003	Boron	Dissolved	55	ug/l	
PL-03		12/09/2003	Boron	Total	49	ug/l	
PL-03		12/09/2003	Cadmium	Dissolved		ug/l	ND
PL-03		12/09/2003	Cadmium	Total		ug/l	ND
PL-03		12/09/2003	Calcium	Dissolved	70000	ug/l	
PL-03		12/09/2003	Calcium	Total	71000	ug/l	
PL-03		12/09/2003	Chromium	Dissolved		ug/l	ND
PL-03		12/09/2003	Chromium	Total		ug/l	ND
PL-03		12/09/2003	Cobalt	Dissolved		ug/l	ND
PL-03		12/09/2003	Cobalt	Total		ug/l	ND
PL-03		12/09/2003	Copper	Dissolved		ug/l	ND
PL-03		12/09/2003	Copper	Total		ug/l	ND
PL-03		12/09/2003	Dissolved oxygen (DO)		10.79	mg/l	
PL-03		12/09/2003	Hardness, Ca + Mg	Total	312000	ug/l	C
PL-03		12/09/2003	Iron	Dissolved		ug/l	ND
PL-03		12/09/2003	Iron	Total	290	ug/l	
PL-03		12/09/2003	Lead	Dissolved		ug/l	ND
PL-03		12/09/2003	Lead	Total		ug/l	ND
PL-03		12/09/2003	Magnesium	Dissolved	33000	ug/l	
PL-03		12/09/2003	Magnesium	Total	33000	ug/l	
PL-03		12/09/2003	Manganese	Dissolved	78	ug/l	
PL-03		12/09/2003	Manganese	Total	88	ug/l	
PL-03		12/09/2003	Nickel	Dissolved		ug/l	ND
PL-03		12/09/2003	Nickel	Total		ug/l	ND
PL-03		12/09/2003	Nitrogen, Kjeldahl	Total	0.51	mg/l	J1,J3,J4,Q
PL-03		12/09/2003	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	2.25	mg/l	J1,J3,J4
PL-03		12/09/2003	pH		8.19	None	
PL-03		12/09/2003	Phosphorus as P	Dissolved	1.39	mg/l	J1,J3,J4
PL-03		12/09/2003	Phosphorus as P	Total	1.54	mg/l	J1,J3,J4
PL-03		12/09/2003	Potassium	Dissolved	4600	ug/l	
PL-03		12/09/2003	Potassium	Total	5600	ug/l	
PL-03		12/09/2003	Silver	Dissolved		ug/l	ND
PL-03		12/09/2003	Silver	Total	3	ug/l	
PL-03		12/09/2003	Sodium	Dissolved	170000	ug/l	
PL-03		12/09/2003	Sodium	Total	160000	ug/l	
PL-03		12/09/2003	Solids, suspended, volatile		4	mg/l	J1,J3,J4
PL-03		12/09/2003	Solids, Total Suspended (TSS)		4	mg/l	J1,J3,J4
PL-03		12/09/2003	Specific conductance		1436	umho/cm	
PL-03		12/09/2003	Strontium	Dissolved	150	ug/l	
PL-03		12/09/2003	Strontium	Total	150	ug/l	
PL-03		12/09/2003	Temperature, air		5	deg C	
PL-03		12/09/2003	Temperature, sample		4	deg C	
PL-03		12/09/2003	Temperature, water		4.55	deg C	
PL-03		12/09/2003	Turbidity		5.94	NTU	
PL-03		12/09/2003	Vanadium	Dissolved		ug/l	ND
PL-03		12/09/2003	Vanadium	Total		ug/l	ND

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PL-03		12/09/2003	Zinc	Dissolved		ug/l	ND
PL-03		12/09/2003	Zinc	Total		ug/l	ND
PL-03		04/08/2003	Atrazine	Total		ug/l	ND
PL-03		04/08/2003	PCBS, Polychlorinated Biphenyls, (Unspecified	Total		ug/l	ND
PL-03		04/08/2003	Temperature, sample		3	deg C	
PL-03		06/24/2003	Atrazine	Total	0.71	ug/l	
PL-03		06/24/2003	PCBS, Polychlorinated Biphenyls, (Unspecified	Total		ug/l	ND
PL-03		06/24/2003	Temperature, sample		5	deg C	
PL-03		08/18/2003	Atrazine	Total		ug/l	ND
PL-03		08/18/2003	PCBS, Polychlorinated Biphenyls, (Unspecified	Total		ug/l	ND
PL-03		08/18/2003	Temperature, sample		6	deg C	
PL-03		01/28/2004	Aluminum	Dissolved		ug/l	ND
PL-03		01/28/2004	Aluminum	Total	890	ug/l	
PL-03		01/28/2004	Barium	Dissolved	56	ug/l	
PL-03		01/28/2004	Barium	Total	76	ug/l	
PL-03		01/28/2004	Beryllium	Dissolved		ug/l	ND
PL-03		01/28/2004	Beryllium	Total		ug/l	ND
PL-03		01/28/2004	Boron	Dissolved	67	ug/l	
PL-03		01/28/2004	Boron	Total	60	ug/l	
PL-03		01/28/2004	Cadmium	Dissolved		ug/l	ND
PL-03		01/28/2004	Cadmium	Total		ug/l	ND
PL-03		01/28/2004	Calcium	Dissolved	85000	ug/l	
PL-03		01/28/2004	Calcium	Total	92000	ug/l	
PL-03		01/28/2004	Chromium	Dissolved		ug/l	ND
PL-03		01/28/2004	Chromium	Total		ug/l	ND
PL-03		01/28/2004	Cobalt	Dissolved		ug/l	ND
PL-03		01/28/2004	Cobalt	Total		ug/l	ND
PL-03		01/28/2004	Copper	Dissolved		ug/l	ND
PL-03		01/28/2004	Copper	Total		ug/l	ND
PL-03		01/28/2004	Dissolved oxygen (DO)		11.7	mg/l	
PL-03		01/28/2004	Hardness, Ca + Mg	Total	401000	ug/l	C
PL-03		01/28/2004	Iron	Dissolved		ug/l	ND
PL-03		01/28/2004	Iron	Total	1600	ug/l	
PL-03		01/28/2004	Lead	Dissolved		ug/l	ND
PL-03		01/28/2004	Lead	Total		ug/l	ND
PL-03		01/28/2004	Magnesium	Dissolved	39000	ug/l	
PL-03		01/28/2004	Magnesium	Total	42000	ug/l	
PL-03		01/28/2004	Manganese	Dissolved	130	ug/l	
PL-03		01/28/2004	Manganese	Total	240	ug/l	
PL-03		01/28/2004	Nickel	Dissolved		ug/l	ND
PL-03		01/28/2004	Nickel	Total		ug/l	ND
PL-03		01/28/2004	Nitrogen, Kjeldahl	Total	0.988	mg/l	
PL-03		01/28/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.79	mg/l	
PL-03		01/28/2004	pH		8.24	None	
PL-03		01/28/2004	Phosphorus as P	Dissolved	1.31	mg/l	
PL-03		01/28/2004	Phosphorus as P	Total	1.65	mg/l	
PL-03		01/28/2004	Potassium	Dissolved	5700	ug/l	
PL-03		01/28/2004	Potassium	Total	5900	ug/l	
PL-03		01/28/2004	Silver	Dissolved		ug/l	ND
PL-03		01/28/2004	Silver	Total		ug/l	ND
PL-03		01/28/2004	Sodium	Dissolved	68000	ug/l	
PL-03		01/28/2004	Sodium	Total	71000	ug/l	
PL-03		01/28/2004	Solids, suspended, volatile		14	mg/l	
PL-03		01/28/2004	Solids, Total Suspended (TSS)		86	mg/l	
PL-03		01/28/2004	Specific conductance		876	umho/cm	
PL-03		01/28/2004	Strontium	Dissolved	170	ug/l	
PL-03		01/28/2004	Strontium	Total	180	ug/l	
PL-03		01/28/2004	Temperature, air		-10	deg C	
PL-03		01/28/2004	Temperature, sample		3	deg C	
PL-03		01/28/2004	Temperature, water		-0.2	deg C	
PL-03		01/28/2004	Turbidity		42.9	NTU	
PL-03		01/28/2004	Vanadium	Dissolved		ug/l	ND
PL-03		01/28/2004	Vanadium	Total		ug/l	ND
PL-03		01/28/2004	Zinc	Dissolved		ug/l	ND
PL-03		01/28/2004	Zinc	Total		ug/l	ND
PL-03		03/09/2004	Aluminum	Dissolved	52	ug/l	
PL-03		03/09/2004	Aluminum	Total	320	ug/l	
PL-03		03/09/2004	Barium	Dissolved	62	ug/l	

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PL-03		03/09/2004	Barium	Total	68	ug/l	
PL-03		03/09/2004	Beryllium	Dissolved		ug/l	ND
PL-03		03/09/2004	Beryllium	Total		ug/l	ND
PL-03		03/09/2004	Boron	Dissolved	28	ug/l	J
PL-03		03/09/2004	Boron	Total	28	ug/l	
PL-03		03/09/2004	Cadmium	Dissolved		ug/l	ND
PL-03		03/09/2004	Cadmium	Total		ug/l	ND
PL-03		03/09/2004	Calcium	Dissolved	80000	ug/l	
PL-03		03/09/2004	Calcium	Total	85000	ug/l	
PL-03		03/09/2004	Chromium	Dissolved		ug/l	ND
PL-03		03/09/2004	Chromium	Total		ug/l	ND
PL-03		03/09/2004	Cobalt	Dissolved		ug/l	ND
PL-03		03/09/2004	Cobalt	Total		ug/l	ND
PL-03		03/09/2004	Copper	Dissolved		ug/l	ND
PL-03		03/09/2004	Copper	Total		ug/l	ND
PL-03		03/09/2004	Dissolved oxygen (DO)		10.9	mg/l	
PL-03		03/09/2004	Hardness, Ca + Mg	Total	370000	ug/l	C
PL-03		03/09/2004	Iron	Dissolved		ug/l	ND
PL-03		03/09/2004	Iron	Total	460	ug/l	
PL-03		03/09/2004	Lead	Dissolved		ug/l	ND
PL-03		03/09/2004	Lead	Total	0.45	ug/l	J
PL-03		03/09/2004	Magnesium	Dissolved	34000	ug/l	
PL-03		03/09/2004	Magnesium	Total	37000	ug/l	
PL-03		03/09/2004	Manganese	Dissolved	43	ug/l	
PL-03		03/09/2004	Manganese	Total	62	ug/l	
PL-03		03/09/2004	Molybdenum	Total		ug/l	ND
PL-03		03/09/2004	Nickel	Dissolved	2.2	ug/l	J
PL-03		03/09/2004	Nickel	Total		ug/l	ND
PL-03		03/09/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	11.6	mg/l	
PL-03		03/09/2004	pH		7.91	None	
PL-03		03/09/2004	Phosphorus as P	Dissolved	0.253	mg/l	J7
PL-03		03/09/2004	Phosphorus as P	Total	0.309	mg/l	J7
PL-03		03/09/2004	Potassium	Dissolved		ug/l	ND
PL-03		03/09/2004	Potassium	Total	2700	ug/l	
PL-03		03/09/2004	Silver	Dissolved		ug/l	ND
PL-03		03/09/2004	Silver	Total		ug/l	ND
PL-03		03/09/2004	Sodium	Dissolved	26000	ug/l	
PL-03		03/09/2004	Sodium	Total	28000	ug/l	
PL-03		03/09/2004	Solids, suspended, volatile		5	mg/l	
PL-03		03/09/2004	Solids, Total Suspended (TSS)		17	mg/l	
PL-03		03/09/2004	Specific conductance		729	umho/cm	
PL-03		03/09/2004	Strontium	Dissolved	130	ug/l	
PL-03		03/09/2004	Strontium	Total	130	ug/l	
PL-03		03/09/2004	Temperature, air		-3	deg C	
PL-03		03/09/2004	Temperature, water		3.17	deg C	
PL-03		03/09/2004	Turbidity		9.7	NTU	
PL-03		03/09/2004	Vanadium	Dissolved		ug/l	ND
PL-03		03/09/2004	Vanadium	Total		ug/l	ND
PL-03		03/09/2004	Zinc	Dissolved	9.9	ug/l	J,V
PL-03		03/09/2004	Zinc	Total		ug/l	ND
PL-03		04/20/2004	Aluminum	Dissolved		ug/l	ND
PL-03		04/20/2004	Aluminum	Total	1500	ug/l	
PL-03		04/20/2004	Barium	Dissolved	62	ug/l	
PL-03		04/20/2004	Barium	Total	82	ug/l	
PL-03		04/20/2004	Beryllium	Dissolved		ug/l	ND
PL-03		04/20/2004	Beryllium	Total		ug/l	ND
PL-03		04/20/2004	Boron	Dissolved	50	ug/l	V
PL-03		04/20/2004	Boron	Total	43	ug/l	
PL-03		04/20/2004	Cadmium	Dissolved		ug/l	ND
PL-03		04/20/2004	Cadmium	Total		ug/l	ND
PL-03		04/20/2004	Calcium	Dissolved	78000	ug/l	
PL-03		04/20/2004	Calcium	Total	83000	ug/l	
PL-03		04/20/2004	Chromium	Dissolved		ug/l	ND
PL-03		04/20/2004	Chromium	Total		ug/l	ND
PL-03		04/20/2004	Cobalt	Dissolved		ug/l	ND
PL-03		04/20/2004	Cobalt	Total		ug/l	ND
PL-03		04/20/2004	Copper	Dissolved		ug/l	ND
PL-03		04/20/2004	Copper	Total		ug/l	ND

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		04/20/2004	Dissolved oxygen (DO)		9.65	mg/l	
PL-03		04/20/2004	Hardness, Ca + Mg	Total	380000	ug/l	C
PL-03		04/20/2004	Iron	Dissolved		ug/l	ND
PL-03		04/20/2004	Iron	Total	1700	ug/l	
PL-03		04/20/2004	Lead	Dissolved		ug/l	ND
PL-03		04/20/2004	Lead	Total	1.5	ug/l	J
PL-03		04/20/2004	Magnesium	Dissolved	38000	ug/l	
PL-03		04/20/2004	Magnesium	Total	41000	ug/l	
PL-03		04/20/2004	Manganese	Dissolved	60	ug/l	
PL-03		04/20/2004	Manganese	Total	150	ug/l	
PL-03		04/20/2004	Molybdenum	Total		ug/l	ND
PL-03		04/20/2004	Nickel	Dissolved		ug/l	ND
PL-03		04/20/2004	Nickel	Total		ug/l	ND
PL-03		04/20/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	6.19	mg/l	
PL-03		04/20/2004	pH		7.77	None	
PL-03		04/20/2004	Phosphorus as P	Dissolved	0.369	mg/l	Q
PL-03		04/20/2004	Phosphorus as P	Total	0.552	mg/l	Q
PL-03		04/20/2004	Potassium	Dissolved	3300	ug/l	
PL-03		04/20/2004	Potassium	Total	3200	ug/l	
PL-03		04/20/2004	Silver	Dissolved		ug/l	ND
PL-03		04/20/2004	Silver	Total		ug/l	ND
PL-03		04/20/2004	Sodium	Dissolved	37000	ug/l	
PL-03		04/20/2004	Sodium	Total	37000	ug/l	
PL-03		04/20/2004	Solids, suspended, volatile		7	mg/l	
PL-03		04/20/2004	Solids, Total Suspended (TSS)		32	mg/l	
PL-03		04/20/2004	Specific conductance		844	umho/cm	
PL-03		04/20/2004	Strontium	Dissolved	140	ug/l	
PL-03		04/20/2004	Strontium	Total	140	ug/l	
PL-03		04/20/2004	Temperature, air		14	deg C	
PL-03		04/20/2004	Temperature, sample		3	deg C	
PL-03		04/20/2004	Temperature, water		13.6	deg C	
PL-03		04/20/2004	Turbidity		24	NTU	
PL-03		04/20/2004	Vanadium	Dissolved	3.5	ug/l	J
PL-03		04/20/2004	Vanadium	Total	3.3	ug/l	J
PL-03		04/20/2004	Zinc	Dissolved		ug/l	ND
PL-03		04/20/2004	Zinc	Total		ug/l	ND
PL-03		05/19/2004	Aluminum	Dissolved		ug/l	ND
PL-03		05/19/2004	Aluminum	Total	1400	ug/l	
PL-03		05/19/2004	Barium	Dissolved	67	ug/l	
PL-03		05/19/2004	Barium	Total	92	ug/l	
PL-03		05/19/2004	Beryllium	Dissolved		ug/l	ND
PL-03		05/19/2004	Beryllium	Total		ug/l	ND
PL-03		05/19/2004	Boron	Dissolved	16	ug/l	J
PL-03		05/19/2004	Boron	Total	24	ug/l	
PL-03		05/19/2004	Cadmium	Dissolved		ug/l	ND
PL-03		05/19/2004	Cadmium	Total		ug/l	ND
PL-03		05/19/2004	Calcium	Dissolved	72000	ug/l	
PL-03		05/19/2004	Calcium	Total	79000	ug/l	
PL-03		05/19/2004	Chromium	Dissolved		ug/l	ND
PL-03		05/19/2004	Chromium	Total		ug/l	ND
PL-03		05/19/2004	Cobalt	Dissolved		ug/l	ND
PL-03		05/19/2004	Cobalt	Total		ug/l	ND
PL-03		05/19/2004	Copper	Dissolved		ug/l	ND
PL-03		05/19/2004	Copper	Total		ug/l	ND
PL-03		05/19/2004	Hardness, Ca + Mg	Total	340000	ug/l	C
PL-03		05/19/2004	Iron	Dissolved	35	ug/l	J
PL-03		05/19/2004	Iron	Total	1800	ug/l	
PL-03		05/19/2004	Lead	Dissolved	0.07	ug/l	J
PL-03		05/19/2004	Lead	Total	1.8	ug/l	J
PL-03		05/19/2004	Magnesium	Dissolved	31000	ug/l	
PL-03		05/19/2004	Magnesium	Total	34000	ug/l	
PL-03		05/19/2004	Manganese	Dissolved	25	ug/l	
PL-03		05/19/2004	Manganese	Total	100	ug/l	
PL-03		05/19/2004	Molybdenum	Total		ug/l	ND
PL-03		05/19/2004	Nickel	Dissolved		ug/l	ND
PL-03		05/19/2004	Nickel	Total		ug/l	ND
PL-03		05/19/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	17.1	mg/l	
PL-03		05/19/2004	Phosphorus as P	Dissolved	0.121	mg/l	

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PL-03		05/19/2004	Phosphorus as P	Total	0.268	mg/l	
PL-03		05/19/2004	Potassium	Dissolved	1500	ug/l	J
PL-03		05/19/2004	Potassium	Total	1900	ug/l	
PL-03		05/19/2004	Silver	Dissolved		ug/l	ND
PL-03		05/19/2004	Silver	Total		ug/l	ND
PL-03		05/19/2004	Sodium	Dissolved	18000	ug/l	
PL-03		05/19/2004	Sodium	Total	19000	ug/l	
PL-03		05/19/2004	Solids, suspended, volatile		13	mg/l	
PL-03		05/19/2004	Solids, Total Suspended (TSS)		90	mg/l	
PL-03		05/19/2004	Strontium	Dissolved	110	ug/l	
PL-03		05/19/2004	Strontium	Total	120	ug/l	
PL-03		05/19/2004	Temperature, air		22	deg C	
PL-03		05/19/2004	Temperature, sample		3	deg C	
PL-03		05/19/2004	Temperature, water		14	deg C	
PL-03		05/19/2004	Turbidity		50	NTU	
PL-03		05/19/2004	Vanadium	Dissolved		ug/l	ND
PL-03		05/19/2004	Vanadium	Total		ug/l	ND
PL-03		05/19/2004	Zinc	Dissolved		ug/l	ND
PL-03		05/19/2004	Zinc	Total		ug/l	ND
PL-03		06/30/2004	Aluminum	Dissolved		ug/l	ND
PL-03		06/30/2004	Aluminum	Total	390	ug/l	
PL-03		06/30/2004	Barium	Dissolved	74	ug/l	
PL-03		06/30/2004	Barium	Total	78	ug/l	
PL-03		06/30/2004	Beryllium	Dissolved		ug/l	ND
PL-03		06/30/2004	Beryllium	Total		ug/l	ND
PL-03		06/30/2004	Boron	Dissolved	38	ug/l	J,V
PL-03		06/30/2004	Boron	Total	25	ug/l	
PL-03		06/30/2004	Cadmium	Dissolved		ug/l	ND
PL-03		06/30/2004	Cadmium	Total		ug/l	ND
PL-03		06/30/2004	Calcium	Dissolved	80000	ug/l	
PL-03		06/30/2004	Calcium	Total	81000	ug/l	
PL-03		06/30/2004	Chromium	Dissolved	4	ug/l	J
PL-03		06/30/2004	Chromium	Total		ug/l	ND
PL-03		06/30/2004	Cobalt	Dissolved	11	ug/l	V
PL-03		06/30/2004	Cobalt	Total	14	ug/l	
PL-03		06/30/2004	Copper	Dissolved		ug/l	ND
PL-03		06/30/2004	Copper	Total		ug/l	ND
PL-03		06/30/2004	Dissolved oxygen (DO)		8.14	mg/l	
PL-03		06/30/2004	Hardness, Ca + Mg	Total	360000	ug/l	C
PL-03		06/30/2004	Iron	Dissolved		ug/l	ND
PL-03		06/30/2004	Iron	Total	470	ug/l	
PL-03		06/30/2004	Lead	Dissolved	0.19	ug/l	J
PL-03		06/30/2004	Lead	Total	0.62	ug/l	J
PL-03		06/30/2004	Magnesium	Dissolved	38000	ug/l	
PL-03		06/30/2004	Magnesium	Total	38000	ug/l	
PL-03		06/30/2004	Manganese	Dissolved	25	ug/l	
PL-03		06/30/2004	Manganese	Total	52	ug/l	
PL-03		06/30/2004	Molybdenum	Total		ug/l	ND
PL-03		06/30/2004	Nickel	Dissolved		ug/l	ND
PL-03		06/30/2004	Nickel	Total		ug/l	ND
PL-03		06/30/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	10.1	mg/l	
PL-03		06/30/2004	pH		8.01	None	
PL-03		06/30/2004	Phosphorus as P	Dissolved	0.106	mg/l	
PL-03		06/30/2004	Phosphorus as P	Total	0.15	mg/l	
PL-03		06/30/2004	Potassium	Dissolved	2600	ug/l	
PL-03		06/30/2004	Potassium	Total	2000	ug/l	
PL-03		06/30/2004	Silver	Dissolved		ug/l	ND
PL-03		06/30/2004	Silver	Total		ug/l	ND
PL-03		06/30/2004	Sodium	Dissolved	23000	ug/l	
PL-03		06/30/2004	Sodium	Total	23000	ug/l	
PL-03		06/30/2004	Solids, suspended, volatile		2	mg/l	J
PL-03		06/30/2004	Solids, Total Suspended (TSS)		15	mg/l	
PL-03		06/30/2004	Specific conductance		775	umho/cm	
PL-03		06/30/2004	Strontium	Dissolved	130	ug/l	
PL-03		06/30/2004	Strontium	Total	130	ug/l	
PL-03		06/30/2004	Temperature, air		27	deg C	
PL-03		06/30/2004	Temperature, sample		2	deg C	
PL-03		06/30/2004	Temperature, water		20.4	deg C	

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PL-03		06/30/2004	Turbidity		14	NTU	
PL-03		06/30/2004	Vanadium	Dissolved		ug/l	ND
PL-03		06/30/2004	Vanadium	Total		ug/l	ND
PL-03		06/30/2004	Zinc	Dissolved		ug/l	ND
PL-03		06/30/2004	Zinc	Total		ug/l	ND
PL-03		08/11/2004	Aluminum	Dissolved		ug/l	ND
PL-03		08/11/2004	Aluminum	Total	69	ug/l	J
PL-03		08/11/2004	Barium	Dissolved	59	ug/l	
PL-03		08/11/2004	Barium	Total	67	ug/l	
PL-03		08/11/2004	Beryllium	Dissolved		ug/l	ND
PL-03		08/11/2004	Beryllium	Total		ug/l	ND
PL-03		08/11/2004	Boron	Dissolved	47	ug/l	J
PL-03		08/11/2004	Boron	Total	50	ug/l	
PL-03		08/11/2004	Cadmium	Dissolved		ug/l	ND
PL-03		08/11/2004	Cadmium	Total		ug/l	ND
PL-03		08/11/2004	Calcium	Dissolved	76000	ug/l	
PL-03		08/11/2004	Calcium	Total	82000	ug/l	
PL-03		08/11/2004	Chromium	Dissolved		ug/l	ND
PL-03		08/11/2004	Chromium	Total		ug/l	ND
PL-03		08/11/2004	Cobalt	Dissolved	17	ug/l	
PL-03		08/11/2004	Cobalt	Total		ug/l	ND
PL-03		08/11/2004	Copper	Dissolved		ug/l	ND
PL-03		08/11/2004	Copper	Total		ug/l	ND
PL-03		08/11/2004	Dissolved oxygen (DO)		9.24	mg/l	
PL-03		08/11/2004	Hardness, Ca + Mg	Total	370000	ug/l	C
PL-03		08/11/2004	Iron	Dissolved	13	ug/l	J
PL-03		08/11/2004	Iron	Total	140	ug/l	
PL-03		08/11/2004	Lead	Dissolved		ug/l	ND
PL-03		08/11/2004	Lead	Total	0.12	ug/l	J
PL-03		08/11/2004	Magnesium	Dissolved	37000	ug/l	
PL-03		08/11/2004	Magnesium	Total	40000	ug/l	
PL-03		08/11/2004	Manganese	Dissolved	42	ug/l	
PL-03		08/11/2004	Manganese	Total	53	ug/l	
PL-03		08/11/2004	Molybdenum	Total		ug/l	ND
PL-03		08/11/2004	Nickel	Dissolved		ug/l	ND
PL-03		08/11/2004	Nickel	Total		ug/l	ND
PL-03		08/11/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	4.33	mg/l	
PL-03		08/11/2004	pH		8.18	None	
PL-03		08/11/2004	Potassium	Dissolved	1800	ug/l	J
PL-03		08/11/2004	Potassium	Total	3600	ug/l	
PL-03		08/11/2004	Silver	Dissolved		ug/l	ND
PL-03		08/11/2004	Silver	Total		ug/l	ND
PL-03		08/11/2004	Sodium	Dissolved	36000	ug/l	
PL-03		08/11/2004	Sodium	Total	39000	ug/l	
PL-03		08/11/2004	Solids, suspended, volatile			mg/l	ND
PL-03		08/11/2004	Solids, Total Suspended (TSS)			mg/l	ND
PL-03		08/11/2004	Specific conductance		857	umho/cm	
PL-03		08/11/2004	Strontium	Dissolved	130	ug/l	
PL-03		08/11/2004	Strontium	Total	140	ug/l	
PL-03		08/11/2004	Temperature, air		15	deg C	
PL-03		08/11/2004	Temperature, sample		3	deg C	
PL-03		08/11/2004	Temperature, water		17.4	deg C	
PL-03		08/11/2004	Turbidity		3.1	NTU	
PL-03		08/11/2004	Vanadium	Dissolved		ug/l	ND
PL-03		08/11/2004	Vanadium	Total		ug/l	ND
PL-03		08/11/2004	Zinc	Dissolved		ug/l	ND
PL-03		08/11/2004	Zinc	Total		ug/l	ND
PL-03		09/14/2004	Aluminum	Dissolved		ug/l	ND
PL-03		09/14/2004	Aluminum	Total	64	ug/l	J
PL-03		09/14/2004	Barium	Dissolved	55	ug/l	
PL-03		09/14/2004	Barium	Total	54	ug/l	
PL-03		09/14/2004	Beryllium	Dissolved		ug/l	ND
PL-03		09/14/2004	Beryllium	Total		ug/l	ND
PL-03		09/14/2004	Boron	Dissolved	51	ug/l	
PL-03		09/14/2004	Boron	Total	44	ug/l	
PL-03		09/14/2004	Cadmium	Dissolved		ug/l	ND
PL-03		09/14/2004	Cadmium	Total	3.3	ug/l	V
PL-03		09/14/2004	Calcium	Dissolved	74000	ug/l	

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PL-03		09/14/2004	Calcium	Total	76000	ug/l	
PL-03		09/14/2004	Chromium	Dissolved		ug/l	ND
PL-03		09/14/2004	Chromium	Total		ug/l	ND
PL-03		09/14/2004	Cobalt	Dissolved		ug/l	ND
PL-03		09/14/2004	Cobalt	Total		ug/l	ND
PL-03		09/14/2004	Copper	Dissolved		ug/l	ND
PL-03		09/14/2004	Copper	Total		ug/l	ND
PL-03		09/14/2004	Dissolved oxygen (DO)		8.8	mg/l	
PL-03		09/14/2004	Hardness, Ca + Mg	Total	350000	ug/l	C
PL-03		09/14/2004	Iron	Dissolved		ug/l	ND
PL-03		09/14/2004	Iron	Total	120	ug/l	
PL-03		09/14/2004	Lead	Dissolved	0.06	ug/l	J
PL-03		09/14/2004	Lead	Total	0.46	ug/l	J
PL-03		09/14/2004	Magnesium	Dissolved	38000	ug/l	
PL-03		09/14/2004	Magnesium	Total	39000	ug/l	
PL-03		09/14/2004	Manganese	Dissolved	45	ug/l	
PL-03		09/14/2004	Manganese	Total	50	ug/l	
PL-03		09/14/2004	Molybdenum	Total		ug/l	ND
PL-03		09/14/2004	Nickel	Dissolved		ug/l	ND
PL-03		09/14/2004	Nickel	Total		ug/l	ND
PL-03		09/14/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	2.87	mg/l	
PL-03		09/14/2004	pH		8.1	None	
PL-03		09/14/2004	Potassium	Dissolved		ug/l	ND
PL-03		09/14/2004	Potassium	Total	4300	ug/l	
PL-03		09/14/2004	Silver	Dissolved		ug/l	ND
PL-03		09/14/2004	Silver	Total	3.4	ug/l	V
PL-03		09/14/2004	Sodium	Dissolved	48000	ug/l	
PL-03		09/14/2004	Sodium	Total	48000	ug/l	
PL-03		09/14/2004	Solids, suspended, volatile		2	mg/l	J
PL-03		09/14/2004	Solids, Total Suspended (TSS)		2	mg/l	J
PL-03		09/14/2004	Specific conductance		856	umho/cm	
PL-03		09/14/2004	Strontium	Dissolved	140	ug/l	
PL-03		09/14/2004	Strontium	Total	130	ug/l	
PL-03		09/14/2004	Temperature, air		26.5	deg C	
PL-03		09/14/2004	Temperature, sample		3	deg C	
PL-03		09/14/2004	Temperature, water		21.4	deg C	
PL-03		09/14/2004	Turbidity		1.8	NTU	
PL-03		09/14/2004	Vanadium	Dissolved		ug/l	ND
PL-03		09/14/2004	Vanadium	Total		ug/l	ND
PL-03		09/14/2004	Zinc	Dissolved		ug/l	ND
PL-03		09/14/2004	Zinc	Total		ug/l	ND
PL-03		11/02/2004	Aluminum	Dissolved		ug/l	ND
PL-03		11/02/2004	Aluminum	Total	81	ug/l	J
PL-03		11/02/2004	Barium	Dissolved	59	ug/l	
PL-03		11/02/2004	Barium	Total	59	ug/l	
PL-03		11/02/2004	Beryllium	Dissolved		ug/l	ND
PL-03		11/02/2004	Beryllium	Total		ug/l	ND
PL-03		11/02/2004	Boron	Dissolved	52	ug/l	
PL-03		11/02/2004	Boron	Total	51	ug/l	
PL-03		11/02/2004	Cadmium	Dissolved		ug/l	ND
PL-03		11/02/2004	Cadmium	Total		ug/l	ND
PL-03		11/02/2004	Calcium	Dissolved	78000	ug/l	
PL-03		11/02/2004	Calcium	Total	72000	ug/l	
PL-03		11/02/2004	Chromium	Dissolved		ug/l	ND
PL-03		11/02/2004	Chromium	Total		ug/l	ND
PL-03		11/02/2004	Cobalt	Dissolved		ug/l	ND
PL-03		11/02/2004	Cobalt	Total		ug/l	ND
PL-03		11/02/2004	Copper	Dissolved		ug/l	ND
PL-03		11/02/2004	Copper	Total		ug/l	ND
PL-03		11/02/2004	Dissolved oxygen (DO)		10.5	mg/l	
PL-03		11/02/2004	Hardness, Ca + Mg	Total	320000	ug/l	C
PL-03		11/02/2004	Iron	Dissolved		ug/l	ND
PL-03		11/02/2004	Iron	Total	190	ug/l	
PL-03		11/02/2004	Lead	Dissolved	0.2	ug/l	J
PL-03		11/02/2004	Lead	Total	0.58	ug/l	J
PL-03		11/02/2004	Magnesium	Dissolved	38000	ug/l	
PL-03		11/02/2004	Magnesium	Total	34000	ug/l	
PL-03		11/02/2004	Manganese	Dissolved	38	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		11/02/2004	Manganese	Total	49	ug/l	
PL-03		11/02/2004	Molybdenum	Total		ug/l	ND
PL-03		11/02/2004	Nickel	Dissolved		ug/l	ND
PL-03		11/02/2004	Nickel	Total		ug/l	ND
PL-03		11/02/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	4.08	mg/l	
PL-03		11/02/2004	pH		8.7	None	
PL-03		11/02/2004	Potassium	Dissolved	4800	ug/l	
PL-03		11/02/2004	Potassium	Total	4400	ug/l	
PL-03		11/02/2004	Silver	Dissolved		ug/l	ND
PL-03		11/02/2004	Silver	Total		ug/l	ND
PL-03		11/02/2004	Sodium	Dissolved	44000	ug/l	
PL-03		11/02/2004	Sodium	Total	44000	ug/l	
PL-03		11/02/2004	Solids, suspended, volatile		12	mg/l	
PL-03		11/02/2004	Solids, Total Suspended (TSS)		16	mg/l	
PL-03		11/02/2004	Specific conductance		824	umho/cm	
PL-03		11/02/2004	Strontium	Dissolved	130	ug/l	
PL-03		11/02/2004	Strontium	Total	120	ug/l	
PL-03		11/02/2004	Temperature, air		9.5	deg C	
PL-03		11/02/2004	Temperature, sample		3	deg C	
PL-03		11/02/2004	Temperature, water		10	deg C	
PL-03		11/02/2004	Turbidity		4.3	NTU	
PL-03		11/02/2004	Vanadium	Dissolved		ug/l	ND
PL-03		11/02/2004	Vanadium	Total		ug/l	ND
PL-03		11/02/2004	Zinc	Dissolved	11	ug/l	
PL-03		11/02/2004	Zinc	Total		ug/l	ND
PL-03		12/08/2004	Aluminum	Dissolved		ug/l	ND
PL-03		12/08/2004	Aluminum	Total	340	ug/l	
PL-03		12/08/2004	Barium	Dissolved	64	ug/l	
PL-03		12/08/2004	Barium	Total	75	ug/l	
PL-03		12/08/2004	Beryllium	Dissolved		ug/l	ND
PL-03		12/08/2004	Beryllium	Total		ug/l	ND
PL-03		12/08/2004	Boron	Dissolved	38	ug/l	J
PL-03		12/08/2004	Boron	Total	26	ug/l	
PL-03		12/08/2004	Cadmium	Dissolved		ug/l	ND
PL-03		12/08/2004	Cadmium	Total	2.9	ug/l	J
PL-03		12/08/2004	Calcium	Dissolved	81000	ug/l	
PL-03		12/08/2004	Calcium	Total	79000	ug/l	
PL-03		12/08/2004	Chromium	Dissolved		ug/l	ND
PL-03		12/08/2004	Chromium	Total		ug/l	ND
PL-03		12/08/2004	Cobalt	Dissolved		ug/l	ND
PL-03		12/08/2004	Cobalt	Total		ug/l	ND
PL-03		12/08/2004	Copper	Dissolved		ug/l	ND
PL-03		12/08/2004	Copper	Total	3.2	ug/l	J
PL-03		12/08/2004	Dissolved oxygen (DO)		11.2	mg/l	
PL-03		12/08/2004	Hardness, Ca + Mg	Total	340000	ug/l	C
PL-03		12/08/2004	Iron	Dissolved		ug/l	ND
PL-03		12/08/2004	Iron	Total	520	ug/l	
PL-03		12/08/2004	Lead	Dissolved	0.7	ug/l	J
PL-03		12/08/2004	Lead	Total	0.49	ug/l	J
PL-03		12/08/2004	Magnesium	Dissolved	36000	ug/l	
PL-03		12/08/2004	Magnesium	Total	34000	ug/l	
PL-03		12/08/2004	Manganese	Dissolved	34	ug/l	
PL-03		12/08/2004	Manganese	Total	73	ug/l	
PL-03		12/08/2004	Nickel	Dissolved		ug/l	ND
PL-03		12/08/2004	Nickel	Total	25	ug/l	
PL-03		12/08/2004	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	5.78	mg/l	
PL-03		12/08/2004	pH		7.9	None	
PL-03		12/08/2004	Potassium	Dissolved		ug/l	ND
PL-03		12/08/2004	Potassium	Total	3200	ug/l	
PL-03		12/08/2004	Silver	Dissolved		ug/l	ND
PL-03		12/08/2004	Silver	Total		ug/l	ND
PL-03		12/08/2004	Sodium	Dissolved	47000	ug/l	
PL-03		12/08/2004	Sodium	Total	49000	ug/l	
PL-03		12/08/2004	Solids, suspended, volatile		6	mg/l	J
PL-03		12/08/2004	Solids, Total Suspended (TSS)		22	mg/l	
PL-03		12/08/2004	Specific conductance		873	umho/cm	
PL-03		12/08/2004	Strontium	Dissolved	130	ug/l	
PL-03		12/08/2004	Strontium	Total	140	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03		12/08/2004	Temperature, air		4.5	deg C	
PL-03		12/08/2004	Temperature, sample		2	deg C	
PL-03		12/08/2004	Temperature, water		6.3	deg C	
PL-03		12/08/2004	Turbidity		15	NTU	
PL-03		12/08/2004	Vanadium	Dissolved		ug/l	ND
PL-03		12/08/2004	Vanadium	Total		ug/l	ND
PL-03		12/08/2004	Zinc	Dissolved	4.9	ug/l	J
PL-03		12/08/2004	Zinc	Total	5.1	ug/l	J
PL-03		11-Jan-06	Dissolved oxygen (DO)		12.6	mg/l	
PL-03		11-Jan-06	pH		8.23		
PL-03		11-Jan-06	Specific conductance		937	umho/cm	
PL-03		11-Jan-06	Temperature, air		5	deg C	
PL-03		11-Jan-06	Temperature, water		2.69	deg C	
PL-03		11-Jan-06	Turbidity		5	NTU	
PL-03		08-Feb-06	Dissolved oxygen (DO)		14	mg/l	
PL-03		08-Feb-06	pH		9.05		
PL-03		08-Feb-06	Specific conductance		962	umho/cm	
PL-03		08-Feb-06	Temperature, air		1	deg C	
PL-03		08-Feb-06	Temperature, water		-0.04	deg C	
PL-03		08-Feb-06	Turbidity		4.3	NTU	
PL-03		13-Apr-06	Dissolved oxygen (DO)		9.88	mg/l	
PL-03		13-Apr-06	pH		8.06		
PL-03		13-Apr-06	Specific conductance		732	umho/cm	
PL-03		13-Apr-06	Temperature, air		23	deg C	
PL-03		13-Apr-06	Temperature, water		14.29	deg C	
PL-03		13-Apr-06	Turbidity		7	NTU	
PL-03		18-May-06	Dissolved oxygen (DO)		9.84	mg/l	
PL-03		18-May-06	pH		7.96		
PL-03		18-May-06	Specific conductance		756	umho/cm	
PL-03		18-May-06	Temperature, air		17	deg C	
PL-03		18-May-06	Temperature, water		14.04	deg C	
PL-03		18-May-06	Turbidity		9.8	NTU	
PL-03		25-Sep-06	Dissolved oxygen (DO)		11.72	mg/l	
PL-03		25-Sep-06	pH		8.23		
PL-03		25-Sep-06	Specific conductance		984	umho/cm	
PL-03		25-Sep-06	Temperature, air		22	deg C	
PL-03		25-Sep-06	Temperature, water		15.38	deg C	
PL-03		25-Sep-06	Turbidity		7.9	NTU	
PL-03		29-Nov-06	Dissolved oxygen (DO)		9.48	mg/l	
PL-03		29-Nov-06	pH		7.97		
PL-03		29-Nov-06	Specific conductance		874	umho/cm	
PL-03		29-Nov-06	Temperature, air		13	deg C	
PL-03		29-Nov-06	Temperature, water		11.24	deg C	
PL-03		29-Nov-06	Turbidity		6	NTU	
PL-03		24-Jan-07	Dissolved oxygen (DO)		13.25	mg/l	
PL-03		24-Jan-07	pH		8.14		
PL-03		24-Jan-07	Specific conductance		898	umho/cm	
PL-03		24-Jan-07	Temperature, air		-1	deg C	
PL-03		24-Jan-07	Temperature, water		-0.09	deg C	
PL-03		24-Jan-07	Turbidity		4.1	NTU	
PL-03	KYTE RIVER	11-Jan-06	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Aluminum	Total	130	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Barium	Dissolved	65	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Barium	Total	69	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Boron	Dissolved	40	ug/l	J
PL-03	KYTE RIVER	11-Jan-06	Boron	Total	40	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Calcium	Dissolved	82000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Calcium	Total	84000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Chromium	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Copper	Total		ug/l	ND

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	11-Jan-06	Hardness, Ca + Mg	Total	370000	ug/l	C
PL-03	KYTE RIVER	11-Jan-06	Iron	Dissolved	38	ug/l	J
PL-03	KYTE RIVER	11-Jan-06	Iron	Total	290	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Lead	Dissolved	0.84	ug/l	J
PL-03	KYTE RIVER	11-Jan-06	Lead	Total	0.58	ug/l	J
PL-03	KYTE RIVER	11-Jan-06	Magnesium	Dissolved	39000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Magnesium	Total	39000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Manganese	Dissolved	86	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Manganese	Total	110	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Nitrogen, ammonia as N	Total	0.39	mg/l	
PL-03	KYTE RIVER	11-Jan-06	Nitrogen, Kjeldahl	Total	0.57	mg/l	Q
PL-03	KYTE RIVER	11-Jan-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.43	mg/l	
PL-03	KYTE RIVER	11-Jan-06	Phosphorus as P	Dissolved	0.037	mg/l	
PL-03	KYTE RIVER	11-Jan-06	Phosphorus as P	Total	0.073	mg/l	
PL-03	KYTE RIVER	11-Jan-06	Potassium	Dissolved	2700	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Potassium	Total	3000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Sodium	Dissolved	58000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Sodium	Total	60000	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Solids, suspended, volatile		3	mg/l	J,X
PL-03	KYTE RIVER	11-Jan-06	Solids, Total Suspended (TSS)		11	mg/l	X
PL-03	KYTE RIVER	11-Jan-06	Strontium	Dissolved	140	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Strontium	Total	150	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	11-Jan-06	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	11-Jan-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	11-Jan-06	Zinc	Dissolved	22	ug/l	
PL-03	KYTE RIVER	11-Jan-06	Zinc	Total	26	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Aluminum	Total	53	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Barium	Dissolved	60	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Barium	Total	66	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Boron	Dissolved	40	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Boron	Total	43	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Calcium	Dissolved	78000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Calcium	Total	84000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Chromium	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Hardness, Ca + Mg	Total	380000	ug/l	C
PL-03	KYTE RIVER	08-Feb-06	Iron	Dissolved	33	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Iron	Total	190	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Lead	Dissolved	1	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Lead	Total	0.57	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Magnesium	Dissolved	38000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Magnesium	Total	41000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Manganese	Dissolved	69	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Manganese	Total	82	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Nitrogen, ammonia as N	Total	0.14	mg/l	
PL-03	KYTE RIVER	08-Feb-06	Nitrogen, Kjeldahl	Total		mg/l	ND,X
PL-03	KYTE RIVER	08-Feb-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	9.92	mg/l	
PL-03	KYTE RIVER	08-Feb-06	Phosphorus as P	Dissolved	0.021	mg/l	
PL-03	KYTE RIVER	08-Feb-06	Phosphorus as P	Total	0.04	mg/l	
PL-03	KYTE RIVER	08-Feb-06	Potassium	Dissolved	2200	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Potassium	Total	2400	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	08-Feb-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Sodium	Dissolved	44000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Sodium	Total	48000	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Solids, suspended, volatile		5	mg/l	X
PL-03	KYTE RIVER	08-Feb-06	Solids, Total Suspended (TSS)		5	mg/l	X
PL-03	KYTE RIVER	08-Feb-06	Strontium	Dissolved	140	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Strontium	Total	150	ug/l	
PL-03	KYTE RIVER	08-Feb-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	08-Feb-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	08-Feb-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	08-Feb-06	Zinc	Dissolved	6.3	ug/l	J
PL-03	KYTE RIVER	08-Feb-06	Zinc	Total	10	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Aluminum	Total	160	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Barium	Dissolved	76	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Barium	Total	79	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Boron	Dissolved	31	ug/l	J
PL-03	KYTE RIVER	13-Apr-06	Boron	Total	32	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Calcium	Dissolved	82000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Calcium	Total	82000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Chromium	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Hardness, Ca + Mg	Total	370000	ug/l	C
PL-03	KYTE RIVER	13-Apr-06	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Iron	Total	330	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Magnesium	Dissolved	41000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Magnesium	Total	41000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Manganese	Dissolved	55	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Manganese	Total	75	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Nitrogen, ammonia as N	Total	0.14	mg/l	
PL-03	KYTE RIVER	13-Apr-06	Nitrogen, Kjeldahl	Total	1.13	mg/l	
PL-03	KYTE RIVER	13-Apr-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	8.24	mg/l	
PL-03	KYTE RIVER	13-Apr-06	Phosphorus as P	Dissolved	0.01	mg/l	
PL-03	KYTE RIVER	13-Apr-06	Phosphorus as P	Total	0.04	mg/l	
PL-03	KYTE RIVER	13-Apr-06	Potassium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Potassium	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Sodium	Dissolved	29000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Sodium	Total	29000	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Solids, suspended, volatile		5	mg/l	V,X
PL-03	KYTE RIVER	13-Apr-06	Solids, Total Suspended (TSS)		10	mg/l	X
PL-03	KYTE RIVER	13-Apr-06	Strontium	Dissolved	140	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Strontium	Total	140	ug/l	
PL-03	KYTE RIVER	13-Apr-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	13-Apr-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	13-Apr-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	13-Apr-06	Zinc	Dissolved	9.3	ug/l	J
PL-03	KYTE RIVER	13-Apr-06	Zinc	Total	4.5	ug/l	J
PL-03	KYTE RIVER	18-May-06	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Aluminum	Total	400	ug/l	
PL-03	KYTE RIVER	18-May-06	Barium	Dissolved	80	ug/l	
PL-03	KYTE RIVER	18-May-06	Barium	Total	86	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	18-May-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Boron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Boron	Total	35	ug/l	
PL-03	KYTE RIVER	18-May-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Calcium	Dissolved	90000	ug/l	
PL-03	KYTE RIVER	18-May-06	Calcium	Total	90000	ug/l	
PL-03	KYTE RIVER	18-May-06	Chloride	Total	66.1	mg/l	
PL-03	KYTE RIVER	18-May-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Chromium	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Hardness, Ca + Mg	Total	390000	ug/l	C
PL-03	KYTE RIVER	18-May-06	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Iron	Total	600	ug/l	
PL-03	KYTE RIVER	18-May-06	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Magnesium	Dissolved	40000	ug/l	
PL-03	KYTE RIVER	18-May-06	Magnesium	Total	40000	ug/l	
PL-03	KYTE RIVER	18-May-06	Manganese	Dissolved	22	ug/l	
PL-03	KYTE RIVER	18-May-06	Manganese	Total	69	ug/l	
PL-03	KYTE RIVER	18-May-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Potassium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Potassium	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Sodium	Dissolved	25000	ug/l	
PL-03	KYTE RIVER	18-May-06	Sodium	Total	26000	ug/l	
PL-03	KYTE RIVER	18-May-06	Solids, suspended, volatile		9	mg/l	V,X
PL-03	KYTE RIVER	18-May-06	Solids, Total Suspended (TSS)		35	mg/l	X
PL-03	KYTE RIVER	18-May-06	Strontium	Dissolved	150	ug/l	
PL-03	KYTE RIVER	18-May-06	Strontium	Total	160	ug/l	
PL-03	KYTE RIVER	18-May-06	Sulfate	Total	57.8	mg/l	X
PL-03	KYTE RIVER	18-May-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	18-May-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	18-May-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Zinc	Dissolved		ug/l	ND
PL-03	KYTE RIVER	18-May-06	Zinc	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Aluminum	Dissolved	83	ug/l	J
PL-03	KYTE RIVER	25-Sep-06	Aluminum	Total	220	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Barium	Dissolved	71	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Barium	Total	68	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Boron	Dissolved	68	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Boron	Total	63	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Calcium	Dissolved	79000	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Calcium	Total	77000	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Chloride	Total	138	mg/l	
PL-03	KYTE RIVER	25-Sep-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Chromium	Total	2.2	ug/l	J
PL-03	KYTE RIVER	25-Sep-06	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Hardness, Ca + Mg	Total	360000	ug/l	C
PL-03	KYTE RIVER	25-Sep-06	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Iron	Total	360	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Lead	Total	8.2	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Magnesium	Dissolved	40000	ug/l	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	25-Sep-06	Magnesium	Total	40000	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Manganese	Dissolved	48	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Manganese	Total	94	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Potassium	Dissolved	3800	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Potassium	Total	4800	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Sodium	Dissolved	84000	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Sodium	Total	74000	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Solids, suspended, volatile		2	mg/l	J
PL-03	KYTE RIVER	25-Sep-06	Solids, Total Suspended (TSS)		17	mg/l	
PL-03	KYTE RIVER	25-Sep-06	Strontium	Dissolved	170	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Strontium	Total	150	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Sulfate	Total	49.4	mg/l	J6
PL-03	KYTE RIVER	25-Sep-06	Temperature, sample		5	deg C	
PL-03	KYTE RIVER	25-Sep-06	Temperature, sample		5	deg C	
PL-03	KYTE RIVER	25-Sep-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	25-Sep-06	Vanadium	Total	3	ug/l	J
PL-03	KYTE RIVER	25-Sep-06	Zinc	Dissolved	12	ug/l	
PL-03	KYTE RIVER	25-Sep-06	Zinc	Total	13	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Aluminum	Dissolved	52	ug/l	J
PL-03	KYTE RIVER	29-Nov-06	Aluminum	Total	74	ug/l	J
PL-03	KYTE RIVER	29-Nov-06	Barium	Dissolved	65	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Barium	Total	70	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Boron	Dissolved	47	ug/l	J
PL-03	KYTE RIVER	29-Nov-06	Boron	Total	48	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Calcium	Dissolved	80000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Calcium	Total	82000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Chloride	Total	86	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Chromium	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Cobalt	Dissolved	4	ug/l	J
PL-03	KYTE RIVER	29-Nov-06	Cobalt	Total	3.2	ug/l	J
PL-03	KYTE RIVER	29-Nov-06	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Hardness, Ca + Mg	Total	360000	ug/l	C
PL-03	KYTE RIVER	29-Nov-06	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Iron	Total	200	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Magnesium	Dissolved	36000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Magnesium	Total	37000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Manganese	Dissolved	46	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Manganese	Total	63	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Potassium	Dissolved	2900	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Potassium	Total	3000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Sodium	Dissolved	46000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Sodium	Total	47000	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Solids, suspended, volatile		2	mg/l	J
PL-03	KYTE RIVER	29-Nov-06	Solids, Total Suspended (TSS)		12	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Strontium	Dissolved	150	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Strontium	Total	150	ug/l	
PL-03	KYTE RIVER	29-Nov-06	Sulfate	Total	46.3	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	29-Nov-06	Temperature, sample		4	deg C	
PL-03	KYTE RIVER	29-Nov-06	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	29-Nov-06	Zinc	Dissolved	11	ug/l	V

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	29-Nov-06	Zinc	Total	16	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Aluminum	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Aluminum	Total	84	ug/l	J
PL-03	KYTE RIVER	24-Jan-07	Barium	Dissolved	73	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Barium	Total	76	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Beryllium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Beryllium	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Boron	Dissolved	31	ug/l	J
PL-03	KYTE RIVER	24-Jan-07	Boron	Total	34	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Cadmium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Cadmium	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Calcium	Dissolved	91000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Calcium	Total	92000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Chloride	Total	60.9	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Chromium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Chromium	Total	2.6	ug/l	J
PL-03	KYTE RIVER	24-Jan-07	Cobalt	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Cobalt	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Copper	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Copper	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Hardness, Ca + Mg	Total	400000	ug/l	C
PL-03	KYTE RIVER	24-Jan-07	Iron	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Iron	Total	210	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Lead	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Lead	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Magnesium	Dissolved	41000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Magnesium	Total	42000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Manganese	Dissolved	29	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Manganese	Total	37	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Nickel	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Nickel	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Potassium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Potassium	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Silver	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Silver	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Sodium	Dissolved	40000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Sodium	Total	43000	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Solids, suspended, volatile		2	mg/l	J
PL-03	KYTE RIVER	24-Jan-07	Solids, Total Suspended (TSS)		8	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Strontium	Dissolved	150	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Strontium	Total	150	ug/l	
PL-03	KYTE RIVER	24-Jan-07	Sulfate	Total	74.2	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	24-Jan-07	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	24-Jan-07	Vanadium	Dissolved		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Vanadium	Total		ug/l	ND
PL-03	KYTE RIVER	24-Jan-07	Zinc	Dissolved	6.5	ug/l	J
PL-03	KYTE RIVER	24-Jan-07	Zinc	Total	8.7	ug/l	J
PL-03	KYTE RIVER	18-May-06	Nitrogen, ammonia as N	Total	0.0406	mg/l	J
PL-03	KYTE RIVER	18-May-06	Nitrogen, Kjeldahl	Total	0.485	mg/l	J
PL-03	KYTE RIVER	18-May-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	12.7	mg/l	
PL-03	KYTE RIVER	18-May-06	Phosphorus as P	Dissolved	0.036	mg/l	
PL-03	KYTE RIVER	18-May-06	Phosphorus as P	Total	0.077	mg/l	
PL-03	KYTE RIVER	18-May-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	18-May-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	25-Sep-06	Nitrogen, ammonia as N	Total		mg/l	ND
PL-03	KYTE RIVER	25-Sep-06	Nitrogen, Kjeldahl	Total	0.243	mg/l	J
PL-03	KYTE RIVER	25-Sep-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.61	mg/l	
PL-03	KYTE RIVER	25-Sep-06	Phosphorus as P	Dissolved	0.13	mg/l	
PL-03	KYTE RIVER	25-Sep-06	Phosphorus as P	Total	0.162	mg/l	
PL-03	KYTE RIVER	25-Sep-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	25-Sep-06	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	29-Nov-06	Nitrogen, ammonia as N	Total	0.055	mg/l	J
PL-03	KYTE RIVER	29-Nov-06	Nitrogen, Kjeldahl	Total	0.51	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.6	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Phosphorus as P	Dissolved	0.278	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Phosphorus as P	Total	0.314	mg/l	
PL-03	KYTE RIVER	29-Nov-06	Temperature, sample		2	deg C	

StationCode	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result_NUM	ResultUnits	Qualifier
PL-03	KYTE RIVER	29-Nov-06	Temperature, sample		2	deg C	
PL-03	KYTE RIVER	24-Jan-07	Nitrogen, ammonia as N	Total	0.22	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Nitrogen, Kjeldahl	Total	0.362	mg/l	J
PL-03	KYTE RIVER	24-Jan-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	8.49	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Phosphorus as P	Dissolved	0.02	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Phosphorus as P	Total	0.033	mg/l	
PL-03	KYTE RIVER	24-Jan-07	Temperature, sample		1	deg C	
PL-03	KYTE RIVER	24-Jan-07	Temperature, sample		1	deg C	

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Appendix D

Public Comments and Responsiveness Summary

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Appendix - D

Responsiveness Summary

Total Maximum Daily Load (TMDL) and Watershed Protection Plan (WPP) for:

1. Rock River/Pierce Lake Watershed
2. Kyte River Watershed
3. Saline Branch Watershed
4. Little Wabash River/Green Creek Watershed
5. Big Four Ditch Watershed
6. Kickapoo Creek Watershed
7. Salt Creek Watershed
8. Big Creek Watershed

The responsiveness summary responds to questions and comments received during the Stage 3 public comment period from January 17, 2024, through February 16, 2024.

What is a TMDL?

A Total Maximum Daily Load (TMDL) is the sum of the allowable amount of a pollutant that a water body can receive from all contributing sources and still meet water quality standards or designated uses. TMDL reports contain a plan detailing the actions necessary to reduce pollutant loads to the impaired water bodies and ensure compliance with applicable water quality standards.

A Watershed Protection Plan (WPP) report has been developed for the watersheds where a TMDL could not be developed as the waterbody segment is no longer impaired or recommended for delisting or recategorized to Category 4C (impairment due to non-pollutant).

The Clean Water Act and U.S. Environmental Protection Agency (U.S. EPA) regulations require that states develop TMDLs for waters on the Section 303(d) List. The Illinois Environmental Protection Agency (Illinois EPA) implements the TMDL program in accordance with Section 303(d) of the federal Clean Water Act and regulations thereunder.

Background

The 2018 Cycle TMDLs/ WPPs are as follows:

- **Rock River/Pierce Lake Watershed** (HUC: 0709000501)
  - Location:
    - Northern Illinois (Winnebago and Boon Counties).
  - Headwaters (North and South Kinnikinnick Creek):
    - Northwestern Boone county, over Illinois Route 76.
  - Headwaters (North Fork and South Fork Kent Creek):
    - Near Winnebago, IL.
  - Headwaters (Spring Creek North and Keith Creek):
    - The eastern edge of the city of Rockford, roughly near Interstate 90.
  - Course:
    - All segments untimely flow into the Rock River; North and South Kinnikinnick first, followed downriver by Spring Creek, and then the remainder at the far southern end of the watershed.
  - Downstream End:
    - The Rock River, in the middle of Rockford, IL.

- **Kyte River Watershed** (HUC: 0512011206)
  - Location:
    - Northern Illinois (Ogle and Lee Counties, with a small part in Dekalb County).
  - Headwaters (Kyte River):
    - The Rock River, just south of the Oregon, IL.
  - Headwaters (Beach Creek):
    - Where the Kyte river splits into Beach creek and Steward creek, near the border of Ogle and Lee counties.
  - Course:
    - The Kyte river forms as a branch of the Rock River just south of the city of Oregon and flows in a southeasterly direction.
    - Beach Creek forms after the Kyte river splits near the border between Ogle and Lee County and flows in a southwesterly direction.
  - Downstream end (Kyte river):
    - West of Rochelle at the border of Ogle and Leek County, where the river branches off into Beach creek and Steward creek.
  - Downstream end (Beach creek):
    - West of the village of Ashton.

- **Saline Branch Watershed** (HUC: 0512010902)
  - Location:
    - Northeast central Illinois (Champaign County).
  - Headwaters (Saline Branch):

        - North of Thomasboro and southwest of Rantoul, west of U.S. Route 45.
    - Headwaters (Boneyard Creek):
        - Champaign, IL, along U.S. Route 150.
    - Course:
        - The Saline Branch flows south from Thomasboro roughly along U.S. Route 45 and into the city of Urbana, where it meets with Boneyard Creek and then flows eastward.
    - Downstream end:
        - Confluence of Saline Branch and Boneyard creek in Urbana, IL.

- **Little Wabash River/Green Creek Watershed** (HUC: 0512011401)
    - Location:
        - Southeast central Illinois (Shelby, Effingham, Coles, and Cumberland Counties).
    - Headwaters:
        - Southwestern corner of Coles County, southwest of Mattoon.
    - Course:
        - The Little Wabash River flows southward from near Mattoon, though Paradise Lake, across Coles, Shelby and Effingham Counties, though the far western edge of Effingham, IL.
    - Downstream end:
        - West of Effingham, IL.

- **Big Four Ditch Watershed** (HUC: 0512010901)
    - Location:
        - Northeast Central Illinois (Ford, Livingston, Champaign, and Iroquois Counties)
    - Headwaters:
        - Southeast corner of Livingston County.
    - Course:
        - Flows in a south-easterly direction through Ford County toward the northeast border of Champaign County.
    - Downstream End:
        - Confluence of Prairie Creek and Middle Fork Vermilion River near the northeast border of Champaign County.

- **Kickapoo Creek Watershed** (HUC: 0512011206)
    - Location:
        - Southeast Central Illinois (Coles County)
    - Headwaters:
        - Confluence of Cassell Creek, .23 miles north of Illinois – 16.
    - Course:
        - Flows in an easterly direction in Coles County, between the municipalities of Mattoon and Charleston.

- Downstream end:
  - Confluence of Kickapoo Creek.

- **Salt Creek Watershed** (HUC: 0512011402)
  - Location:
    - Southeast central Illinois (Effingham and Cumberland Counties)
  - Headwaters:
    - Second Salt Creek near Lillyville, IL in the southwest corner of Cumberland County.
  - Course:
    - Primarily flows within Effingham County, with a portion in Cumberland County, and feeds into the Little Wabash River in south central Effingham County.
  - Downstream end:
    - Confluence of Little Water River.

- **Big Creek Watershed** (HUC: 0512011211)
  - Location:
    - Southeast Central Illinois (Crawford and Jasper Counties)
  - Headwaters:
    - Dogwood Creek north of Dogwood, IL in northwest Crawford County.
  - Course:
    - Flows primarily within Crawford County with a small portion in Jasper County, and feeds into Big Creek south of Oblong, IL in Crawford County.
  - Downstream End:
    - Confluence of Brush Creek.

The TMDLs and WPPs were developed for the following waterbody segments:

- **Rock River/Pierce Lake Watershed TMDL**
  - A Fecal Coliform TMDL was developed for the following segments:
    - IL_PR-99
    - IL_PR-01
    - IL_PSB-01
    - IL_PSA-01
    - IL_PU-03
    - IL_PT-01
    - IL_PZZG-03
  - A Total Phosphorus TMDL was developed for the following segments:
    - IL_RPC

- **Kyte River Watershed TMDL**
  - A Total Phosphorus and DO TMDL were developed for the following segments:

        - IL_PLB-C1
    - A Fecal Coliform TMDL was developed for the following segments:
        - IL_PL-03

- **Saline Branch Watershed TMDL**
    - A Dissolved Copper TMDL was developed for the following segment:
        - IL_BPJCA

- **Little Wabash River/Green Creek TMDL**
    - Dissolved Oxygen TMDLs were developed for the following segments:
        - IL_C-24
        - IL_RCG

- **Big Four Ditch Watershed WPP**
    - Included a WPP to address Dissolved Oxygen in the following segments:
        - IL_BPKP-01
        - IL_BPKP-02

- **Kickapoo Creek Watershed WPP**
    - Included a WPP to address Dissolved Oxygen in the following segment:
        - IL_BENA-01

- **Salt Creek Watershed WPP**
    - Included a WPP to address Manganese in the following segment:
        - IL_CPD-01
    - Included a WPP to address Total Phosphorus in the following segments:
        - IL_CPD-01
        - IL_CPD-03
        - IL_CPD-04
        - IL_CPC-TU-C1
        - IL_CP-04
        - IL_CP-EF-C2
        - IL_CP-EF-C4
        - IL_CP-TU-C3

- **Big Creek Watershed WPP**
    - Included a WPP to address Manganese, DO and Total Phosphorus in the following segment:
        - IL_BEDB-01

Initial TMDL development for the targeted watersheds began in 2019. During the development process, the 2020/2022 Illinois Integrated Water Quality Report and 303(d) List was approved by EPA on June 30, 2022. TMDLs were completed based on the updated 2020/2022 303(d) List. Illinois EPA develops TMDLs for parameters that have numeric water quality standards. TMDLs for parameters that do not have water

quality standards have been deferred until criteria are adopted. Load reduction goals and watershed protection plans have also been included in the reports where appropriate. Illinois EPA contracted with CDM Smith to complete the Stage 1 and Stage 3 TMDL reports.

Public Meetings

The Stage 1 public meeting was held virtually on June 30, 2021, and comments and questions received from the first public meeting have been addressed and incorporated into the Stage 3 TMDL/WPP reports.

The Stage-3 public meeting was conducted virtually using WebEx on January 17, 2024. The meeting started at 10:00 am and concluded at 12:00 pm, central time. Approximately 30 people attended the meeting, with the public notice period remaining open for 30 days until midnight of February 16, 2024. The draft Stage-3 TMDL report was available for review and comment on the Illinois EPA's webpage: https://epa.illinois.gov/public-notices/general-notices.html

In addition, a direct mailing was sent to NPDES permittees and stakeholders in the watersheds prior to the Stage 3 meeting. The notice gave the date, time, and purpose of the Stage-3 TMDL meeting.

The notice also provided references on how to obtain additional information about these TMDLs/WPPs, Illinois EPA's Total Maximum Daily Load Program, and other related information.

Questions and Comments Received During Public Notice

1. After reading through the WPP, the City of Paxton would be interested in learning more about potential wetland and/or WASCOB construction. The City of Paxton is currently considering several stormwater retention options as part of a comprehensive drainage plan.

   Response – Information on wetlands and WASCOBs is presented in the WPP (Section 7 of the Big Four Ditch Watershed report) in Section 7.3.1.2. Additional detail on WASCOBs and constructed wetlands can be found in the NRCS Conservation Practice Standards:

   WASCOBS:
   https://efotg.sc.egov.usda.gov/api/CPSFile/5838/638_IL_CPS_Water_and_Sediment_(Con)trol_Basin_2018

   Constructed Wetlands:
   https://www.nrcs.usda.gov/sites/default/files/2022-09/656_NHCP_CPS_Constructed_Wetland_2020_0.pdf

Stakeholders interested in pursuing water quality improvement projects are encouraged to contact their local NRCS/SWCD offices and the Illinois EPA Nonpoint Source Management Program.

Ford County SWCD: https://fordcountyswcd.tripod.com/

Illinois EPA Nonpoint Source Management: https://epa.illinois.gov/topics/water-quality/watershed-management/nonpoint-sources.html

Contact: Jeff Edstrom, IEPA/BOW-Watershed Management Section, Nonpoint Source Unit, email: Jeffrey.Edstrom@Illinois.gov, phone: (217)782-3362

2. The 2002 watershed report for North Fork Kent Creek and a 2008 draft modeling report for Kinnikinnick Creek and North Fork Kent Creek have been completed.

Response – Thank you for the information. Both reports have been listed with summary information in Section 5.5.

3. Upon reviewing the Stage 1 Draft report for the Rock River and Pierce Lake watershed, Winnebago County has identified the need for updated local water quality sample collection to reflect and monitor changes since the last recorded collection in 2013. The County will continue to engage with the IEPA throughout TMDL report stages (2 and 3), and collaborate with the agency to locally monitor, address and mitigate potential sources of impairment to preserve water quality, public health and mitigate subsequent issues through long term planning and environmental regulation. The continued collaboration and communication with the IEPA will inform future local planning efforts related to the criteria stated above.

Response – Thank you for the comment. Text has been incorporated into Section 9 (watershed protection plan) to reflect Winnebago County's engagement. Additional comments and information were provided by Winnebago County following the Stage 3 public meeting. Please refer to responses to comment #5 below.

4. I was glancing through the presentation on TMDLs that are underway and noticed a Keith Creek is listed for arsenic. Anything easy you can send me on the

cause of that impairment. To my knowledge, that is the only arsenic impairment listed for a creek in Illinois. (my knowledge may be limited)

Response – Additional investigation into the 2018 stream listing of Keith Creek for arsenic found that the listing was initially based on 2008 sediment data. Instream water quality data presented in Section 5 did not show impairment of the aquatic life use and TMDL development for water column arsenic did not continue beyond the Stage 1 report (Sections 1-6). Text has been included throughout the report to clarify the delisting.

5. After reviewing the Draft TMDL Phase 3 report bein completed for the Rock River/Pierce Lake watershed, I thought I would provide a few comments:

- There was a watershed study for an unnamed creek that was identified as Buckbee Creek, which was completed in 2013. This is a smaller drainageway/watershed just south of the Keith Creek watershed (that may be included in the overall Spring Creek watershed). That was identified more of flooding issue, as the stream itself is more intermittent in flow and much of it is channelized. There were a few priority areas identified in that study to address water quality.

Response – This information has been added to Section 5.5.

- The Region 1 Planning Council recently received an IEPA 319 grant for 2 site projects (bioswales) in the Buckbee Creek and the South Fork Kent Creek watersheds. Part of the grant includes a “watershed Education and Outreach” component, to look at BMP’s in the Agricultural, Suburban and Urban areas to address soil loss, stormwater runoff and nutrient management. The District is working with them on some of education and outreach.

Response – This information has been added to Section 9.4.2.2 and 9.6.

- The Region 1 Planning Council also has a “Climate Resiliency Forum” that is developing a “Climate Action Plan” to be completed by next winter. This also looks at vulnerabilities regarding increased stormwater runoff, and potential impacts across all sectors. The District is on that committee as well.

Response – This information has been added to Section 9.6.

- The Region 1 Planning Council and Winnebago County Health Department also did a “Small Community Water Assessment and Report.” While this mainly looks at groundwater, with the highly sensitive aquifers in the Region, it is addressing surface water management concerns. We sat on that committee as well.

Response – This information has been added to Section 9.6.

- Like you mention in Section 9.4.2. the District and NRCS have various state and federal programs. While those programs are popular and very much in use in the rural areas on the western side of this watershed, it is limited in much of the eastern side of the watershed, due to ownership, development pressures, etc. which typically limit investment in agricultural BMP’s. Also, cost is typically a factor, especially with streambank stabilization, as the actual costs often far exceed what a landowner can bare, even with cost share assistance (a streambank stabilization grant was funded for a project upstream of Pierce Lake several years ago, but was cancelled due to excessive cost/burden to the landowner.

Response – This information has been added to Section 9.4.2. and 9.4.3.

- The District also is hosting an Erosion & Sediment Control workshop (for construction sites) and a Producer workshop (crop ground) in March; and have tree, fish, seed and rain barrel sales this spring.

Response – This information has been added to Section 9.5.

- I realize many of these comments above don’t necessarily address fecal coliform directly, but they do provide overall watershed improvements.

Response – Thank you for all the local information provided for this report. The information has been incorporated throughout the watershed-based plan (Section 9).

6. Looking over the data for the copper issue and it seems like the data is mostly from 2006 (with one being from 2001) and there aren’t a lot of data points

overall. One of the points also seems like it could be an outlier, which the paragraph below the chart does point toward but it didn't help us understand why that was included or not re-sampled since it was significantly different.

Is there concern over the data being 18+ years old?

Or is there concern over one of the data points sampled at the same location as the others is quite different from the others? The time window is only a few months for all samples taken in 2006 so it seems like the October one is too different to not be either ruled out or have triggered a re-sample. October also showed a major spike in TP concentrations in the Boneyard. Is there any connection between the two measurements?

Or are there any concerns that only one section was sampled for copper as opposed to a wider selection of locations through the Boneyard Creek area?

Response – Copper was first listed as impacting Aquatic Life in the segment back in 2010 based on the available data from 2006. The listing was given a low priority ranking for TMDL development but has remained listed as a pollutant indicator. The HUC-10 watershed containing Boneyard Creek was slated for TMDL development in 2018 and the TMDL was calculated using available data as there has not been additional data collected since the time of the original listing to confirm or refute that copper continues to impact the aquatic life use. There is not enough data/information available at this time to conclusively determine if the high copper, high phosphorus, and low hardness values were outliers, sampling error, or a legitimate spike from an urban watershed source. The text throughout the report has been expanded to emphasize the limited amount of data and to strongly recommend monitoring as a starting place for TMDL implementation.

7. In the presentation you had suggested cities could send in some updates they have done in the recent past (i.e. since the 2006 sampling that was done for copper and phosphorous). Attached is a word doc that has a short timeline of what we've done since 2006, what we have in the works/hope to get done soon, and our ongoing activities. Let me know if you have any questions or need more information.

<u>City of Champaign Boneyard Creek Improvements Timeline since 2006</u>

2010: Scott Park Drainage Improvements implemented

2010: Second Street Detention Basin constructed

2012: Dredging of Healey Street Basin

2012-2020: Boneyard Creek Reporting to ACOE as part of permitting process for Boneyard Creek Projects

2018 – 2020: Bristol Park Basin constructed

2018 – 2020: Boneyard Creek Improvements (Bradley Avenue to Hickory Street, part of Phase D)

2020-2023: Boneyard Creek Improvements (Hickory Street to Neil Street, part of Phase D)

2023-2024: Boneyard Creek Improvement at Skelton Park (part of future Phase B/C, added onto a Champaign Park District improvement project in the same area to cause less overall disruption)

<u>City of Champaign Future Boneyard Creek Projects</u>

Boneyard Creek Improvements Phase B/C (Hill Street to Bradley Avenue): This project will include underground storage for storm water, a new wet detention basin and a new dry bottom detention basin (also doubles as a park area when dry) just north of Washington Street to alleviate localized flooding, provide for suspended particle settlement (basin), and trash removal (trash separator installed with the underground detention). In addition to the above, there will be an increase of open channel with native plantings of the Boneyard created with the moving of the Boneyard from piping underneath businesses on the northern end of the project to City property east of those businesses. Further, this phase of the project will also include wetland creation and repairs to the existing wetlands throughout the project length (all locations suggested by the EPA draft report on wetland construction as a mitigation option).

Boneyard Creek Improvements Phase A (University Avenue to Hill Street): This is the smallest section of the overall Boneyard Creek Improvement plan and will connect the Second Street Basin to the work already performed in advance for Phase B/C at Skelton Park (between Hill Street and Washington Street). This section will also move part of the Boneyard Creek out from pipes under a business and create open channel with native plantings. The overall stretch of the Boneyard Creek through this project phase will have the entire channel upgraded with improved bank stabilization and native plantings.

*Dredging of the Second Street Basin***:** The Second Street Basin has proven to be quite effective at retaining particulate matter from the storm water run off and keeping it from being released downstream. This project is still in the early

planning stages and care is being taken to make sure any plans are made to limit the impact on water quality downstream and limit the impact on native plant and animal life in the basin area.

*MS4 Group Planning***:** This activity is still in the preliminary phase of organizing either the entire MS4 group or a task force with a representative from each organization to come up with further ongoing plans to have more water test samples taken, more locations of sampling, and further implementation of BMPs (existing or new).

City of Champaign Continuous Boneyard Creek Management Projects

Boneyard Creek Community Day: Started in 2006 and typically run in April, this is a community event that is run by City staff and utilizes volunteers to pick up trash along Boneyard Creek. The usual locations for trash pick-up on this day run through the Second Street Basin, through Scott Park, and down south along the Boneyard Creek area in Campustown. More information can be found here: https://champaignil.gov/2023/05/05/2023-boneyard-creek-community-day/

America Recycles Day: An additional clean up day was added to the regular BCCD to align with the EPA's America Recycles Day in the Fall. The usual locations for this are focused more on the norther sections of the Boneyard Creek and go from University Avenue to as far north as volunteers wish to walk. More information can be found here: https://champaignil.gov/public-works/recycling/america-recycles-day/

National Flood Insurance Program: Participant since May 2016 and the region's only Class 5 city

MS4 Requirements: All minimum measures required to maintain the MS4 permitting requirements

Ongoing Maintenance projects: There are several ongoing maintenance projects for the Boneyard Creek areas that utilize city staff and third-party contractors to perform the work time, weather and budget permitting. Tasks include, but are not limited to, the following:

- Grass mowing
- Native plant management and maintenance
- Removal of invasive plant species
- Canada goose management in compliance with IDNR
- Trash removal from stream and surrounding native plantings
- Pump and equipment maintenance at/in the basins and water features
- Community outreach

- Channel repairs from human, animal, or natural damages

Response – Summary information of previous work has been included in Sections 5.4 and the timeline of improvements and future plans have been included throughout Section 9.

8. The City of Urbana would like to submit the following comments on the Draft Stage 3 TMDL Report and Watershed Protection Plan for the Saline Branch Watershed (HUC 0512010902):

- High levels of Cu may not actually be an issue for Boneyard Creek. The data used to determine that a TMDL was needed was from 2001-2006 (and included only 4 data points, where only 1 data point exceeded the water quality standard), so as the watershed-based plan points out, due to improvements in recent years in brake pads other materials that were large contributors of Cu in the past, this issue may no longer exist.
- A spike TP occurred in the October 2006 sampling, which is rationalized by it being the end of the agricultural growing season and during low stream flows. However, a spike also occurred in the Cu sampling during October 2006 and no further data was collected to see if these points were outliers tied to one specific event.

Response – Refer to the responses to similar comment addressed in comment/response #6.

The data used for the draft TMDL Report and Watershed Protection Plan for Saline Branch is over 17 years old. Numerous BMPs have been put in place along with other activities performed which would improve water quality within the watershed in the City of Urbana since the data was collected, including, but not limited to:

2007 – Urbana adopted a new Erosion & Sediment Control Ordinance to control water pollution from construction sites that disturb over 2,000 sq. ft.

2012 – Urbana adopted a Stormwater Utility Ordinance to provide dedicated funds for stormwater management & comply with the NPDES Phase II Stormwater Permit requirements.

2012-2014 – Urbana constructed the Boneyard Creek Crossing project along Boneyard Creek from Griggs to Broadway Avenue which included a new public

park and gathering space, channel naturalization and widening, gabion toe protection, stone landscaping, earth retaining walls, structural walls, storm sewers, and new landscaping.

2023 – Urbana repaired erosive bank conditions along Boneyard Creek with installation of riprap to stabilize the banks and J-Hooks in -stream to slow erosive flows.

2023 – Urbana passed an ordinance updating the Stormwater Utility with a revised fee structure and increased rate to more equitably bill property owners and more sustainably fund the stormwater management program.

Response – Summary information has been included in Sections 5.4 and the timeline of improvements has been included throughout Section 9.

9. I am attaching a watershed plan for the Salt Creek Watershed (HUC 0512011402) that was developed in 2020-2021 by Regina Cassidy as her capstone project for the Master of Urban and Regional Planning from University of Illinois. I hope this can be useful to you as you continue developing the TMDL for the Salt Creek.

Response – Thank you for the information. Ms Cassidy's watershed plan has been referenced and cited in Sections 5 and 9 of the Salt Creek Watershed Protection Plan report. Implementation information relevant to this study has also been referenced/included as Appendix F.

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Appendix E

Load Duration Curves

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Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/18/1996	14600	14579.83	0.0037	54.3137	1	0.0085%	Phosphorus, Total		mg/L	0.83	1.11	-	243.1	324.2
USGS	5439500	7/19/1996	9270	9249.83	0.0037	34.6447	2	0.0169%	Phosphorus, Total		mg/L	0.83	1.11	-	155.1	206.8
USGS	5439500	7/24/2010	8420	8399.83	0.0037	31.5080	3	0.0254%	Phosphorus, Total		mg/L	0.83	1.11	-	141.0	188.0
USGS	5439500	8/24/2007	7180	7159.83	0.0037	26.9321	4	0.0339%	Phosphorus, Total		mg/L	0.83	1.11	-	120.6	160.7
USGS	5439500	6/4/2002	7040	7019.83	0.0037	26.4155	5	0.0424%	Phosphorus, Total		mg/L	0.83	1.11	-	118.2	157.7
USGS	5439500	2/21/1997	7010	6989.83	0.0037	26.3048	6	0.0508%	Phosphorus, Total		mg/L	0.83	1.11	-	117.7	157.0
USGS	5439500	2/20/1994	6970	6949.83	0.0037	26.1572	7	0.0593%	Phosphorus, Total		mg/L	0.83	1.11	-	117.1	156.1
USGS	5439500	7/20/1996	6660	6639.83	0.0037	25.0132	8	0.0678%	Phosphorus, Total		mg/L	0.83	1.11	-	112.0	149.3
USGS	5439500	6/9/1993	6530	6509.83	0.0037	24.5334	9	0.0763%	Phosphorus, Total		mg/L	0.83	1.11	-	109.8	146.4
USGS	5439500	7/25/2010	6320	6299.83	0.0037	23.7585	10	0.0847%	Phosphorus, Total		mg/L	0.83	1.11	-	106.3	141.8
USGS	5439500	8/26/2007	6180	6159.83	0.0037	23.2419	11	0.0932%	Phosphorus, Total		mg/L	0.83	1.11	-	104.0	138.7
USGS	5439500	6/13/1999	6120	6099.83	0.0037	23.0204	12	0.1017%	Phosphorus, Total		mg/L	0.83	1.11	-	103.0	137.4
USGS	5439500	6/5/2002	6030	6009.83	0.0037	22.6883	13	0.1102%	Phosphorus, Total		mg/L	0.83	1.11	-	101.6	135.4
USGS	5439500	6/14/1999	5910	5889.83	0.0037	22.2455	14	0.1186%	Phosphorus, Total		mg/L	0.83	1.11	-	99.6	132.8
USGS	5439500	5/17/2020	5880	5859.83	0.0037	22.1348	15	0.1271%	Phosphorus, Total		mg/L	0.83	1.11	-	99.1	132.1
USGS	5439500	8/25/2007	5760	5739.83	0.0037	21.6920	16	0.1356%	Phosphorus, Total		mg/L	0.83	1.11	-	97.1	129.5
USGS	5439500	5/15/2020	5620	5599.83	0.0037	21.1753	17	0.1441%	Phosphorus, Total		mg/L	0.83	1.11	-	94.8	126.4
USGS	5439500	5/18/2020	5580	5559.83	0.0037	21.0277	18	0.1525%	Phosphorus, Total		mg/L	0.83	1.11	-	94.1	125.5
USGS	5439500	8/27/2007	5440	5419.83	0.0037	20.5111	19	0.1610%	Phosphorus, Total		mg/L	0.83	1.11	-	91.8	122.4
USGS	5439500	7/21/1996	5180	5159.83	0.0037	19.5516	20	0.1695%	Phosphorus, Total		mg/L	0.83	1.11	-	87.5	116.7
USGS	5439500	2/22/1997	5090	5069.83	0.0037	19.2195	21	0.1780%	Phosphorus, Total		mg/L	0.83	1.11	-	86.0	114.7
USGS	5439500	3/11/2013	5080	5059.83	0.0037	19.1826	22	0.1864%	Phosphorus, Total		mg/L	0.83	1.11	-	85.9	114.5
USGS	5439500	4/18/2013	5050	5029.83	0.0037	19.0719	23	0.1949%	Phosphorus, Total		mg/L	0.83	1.11	-	85.4	113.8
USGS	5439500	4/19/2013	4960	4939.83	0.0037	18.7398	24	0.2034%	Phosphorus, Total		mg/L	0.83	1.11	-	83.9	111.8
USGS	5439500	8/7/1996	4860	4839.83	0.0037	18.3707	25	0.2118%	Phosphorus, Total		mg/L	0.83	1.11	-	82.2	109.6
USGS	5439500	4/23/1999	4770	4749.83	0.0037	18.0386	26	0.2203%	Phosphorus, Total		mg/L	0.83	1.11	-	80.7	107.7
USGS	5439500	2/21/1994	4750	4729.83	0.0037	17.9648	27	0.2288%	Phosphorus, Total		mg/L	0.83	1.11	-	80.4	107.2
USGS	5439500	3/24/1993	4620	4599.83	0.0037	17.4851	28	0.2373%	Phosphorus, Total		mg/L	0.83	1.11	-	78.3	104.4
USGS	5439500	5/29/1996	4610	4589.83	0.0037	17.4482	29	0.2457%	Phosphorus, Total		mg/L	0.83	1.11	-	78.1	104.1
USGS	5439500	12/28/2008	4560	4539.83	0.0037	17.2637	30	0.2542%	Phosphorus, Total		mg/L	0.83	1.11	-	77.3	103.0
USGS	5439500	2/23/1997	4450	4429.83	0.0037	16.8577	31	0.2627%	Phosphorus, Total		mg/L	0.83	1.11	-	75.5	100.6
USGS	5439500	4/20/2013	4420	4399.83	0.0037	16.7470	32	0.2712%	Phosphorus, Total		mg/L	0.83	1.11	-	75.0	99.9
USGS	5439500	5/23/2004	4390	4369.83	0.0037	16.6363	33	0.2796%	Phosphorus, Total		mg/L	0.83	1.11	-	74.5	99.3
USGS	5439500	5/16/2020	4370	4349.83	0.0037	16.5625	34	0.2881%	Phosphorus, Total		mg/L	0.83	1.11	-	74.1	98.8
USGS	5439500	9/17/2008	4360	4339.83	0.0037	16.5256	35	0.2966%	Phosphorus, Total		mg/L	0.83	1.11	-	74.0	98.6
USGS	5439500	8/28/2007	4350	4329.83	0.0037	16.4887	36	0.3051%	Phosphorus, Total		mg/L	0.83	1.11	-	73.8	98.4
USGS	5439500	3/23/1993	4320	4299.83	0.0037	16.3780	37	0.3135%	Phosphorus, Total		mg/L	0.83	1.11	-	73.3	97.7
USGS	5439500	6/6/2002	4320	4299.83	0.0037	16.3780	37	0.3135%	Phosphorus, Total		mg/L	0.83	1.11	-	73.3	97.7
USGS	5439500	5/19/2020	4320	4299.83	0.0037	16.3780	37	0.3135%	Phosphorus, Total		mg/L	0.83	1.11	-	73.3	97.7
USGS	5439500	5/13/2010	4300	4279.83	0.0037	16.3042	40	0.3390%	Phosphorus, Total		mg/L	0.83	1.11	-	73.0	97.3
USGS	5439500	8/20/2007	4190	4169.83	0.0037	15.8983	41	0.3474%	Phosphorus, Total		mg/L	0.83	1.11	-	71.2	94.9
USGS	5439500	6/10/1993	4180	4159.83	0.0037	15.8614	42	0.3559%	Phosphorus, Total		mg/L	0.83	1.11	-	71.0	94.7
USGS	5439500	7/22/2017	4180	4159.83	0.0037	15.8614	42	0.3559%	Phosphorus, Total		mg/L	0.83	1.11	-	71.0	94.7
USGS	5439500	5/28/1996	4050	4029.83	0.0037	15.3816	44	0.3728%	Phosphorus, Total		mg/L	0.83	1.11	-	68.8	91.8
USGS	5439500	8/6/1996	4040	4019.83	0.0037	15.3447	45	0.3813%	Phosphorus, Total		mg/L	0.83	1.11	-	68.7	91.6
USGS	5439500	3/3/2008	3970	3949.83	0.0037	15.0864	46	0.3898%	Phosphorus, Total		mg/L	0.83	1.11	-	67.5	90.0
USGS	5439500	6/16/2015	3960	3939.83	0.0037	15.0495	47	0.3983%	Phosphorus, Total		mg/L	0.83	1.11	-	67.4	89.8
USGS	5439500	7/20/1993	3900	3879.83	0.0037	14.8281	48	0.4067%	Phosphorus, Total		mg/L	0.83	1.11	-	66.4	88.5
USGS	5439500	4/16/1993	3880	3859.83	0.0037	14.7543	49	0.4152%	Phosphorus, Total		mg/L	0.83	1.11	-	66.0	88.1
USGS	5439500	2/22/1994	3860	3839.83	0.0037	14.6805	50	0.4237%	Phosphorus, Total		mg/L	0.83	1.11	-	65.7	87.6
USGS	5439500	5/20/2020	3860	3839.83	0.0037	14.6805	50	0.4237%	Phosphorus, Total		mg/L	0.83	1.11	-	65.7	87.6
USGS	5439500	7/26/2010	3840	3819.83	0.0037	14.6067	52	0.4406%	Phosphorus, Total		mg/L	0.83	1.11	-	65.4	87.2
USGS	5439500	6/1/2004	3780	3759.83	0.0037	14.3853	53	0.4491%	Phosphorus, Total		mg/L	0.83	1.11	-	64.4	85.9
USGS	5439500	3/12/2013	3780	3759.83	0.0037	14.3853	53	0.4491%	Phosphorus, Total		mg/L	0.83	1.11	-	64.4	85.9
USGS	5439500	9/18/2008	3770	3749.83	0.0037	14.3484	55	0.4661%	Phosphorus, Total		mg/L	0.83	1.11	-	64.2	85.6
USGS	5439500	9/16/2008	3760	3739.83	0.0037	14.3115	56	0.4745%	Phosphorus, Total		mg/L	0.83	1.11	-	64.1	85.4
USGS	5439500	3/25/1993	3750	3729.83	0.0037	14.2746	57	0.4830%	Phosphorus, Total		mg/L	0.83	1.11	-	63.9	85.2
USGS	5439500	6/15/1999	3750	3729.83	0.0037	14.2746	57	0.4830%	Phosphorus, Total		mg/L	0.83	1.11	-	63.9	85.2
USGS	5439500	5/24/2004	3740	3719.83	0.0037	14.2377	59	0.5000%	Phosphorus, Total		mg/L	0.83	1.11	-	63.7	85.0
USGS	5439500	7/22/1996	3680	3659.83	0.0037	14.0162	60	0.5084%	Phosphorus, Total		mg/L	0.83	1.11	-	62.7	83.7
USGS	5439500	3/10/2009	3680	3659.83	0.0037	14.0162	60	0.5084%	Phosphorus, Total		mg/L	0.83	1.11	-	62.7	83.7
USGS	5439500	1/24/1999	3660	3639.83	0.0037	13.9424	62	0.5254%	Phosphorus, Total		mg/L	0.83	1.11	-	62.4	83.2
USGS	5439500	5/3/2019	3630	3609.83	0.0037	13.8317	63	0.5339%	Phosphorus, Total		mg/L	0.83	1.11	-	61.9	82.5
USGS	5439500	5/1/2019	3610	3589.83	0.0037	13.7579	64	0.5423%	Phosphorus, Total		mg/L	0.83	1.11	-	61.6	82.1
USGS	5439500	4/21/2013	3600	3579.83	0.0037	13.7210	65	0.5508%	Phosphorus, Total		mg/L	0.83	1.11	-	61.4	81.9
USGS	5439500	5/30/1996	3590	3569.83	0.0037	13.6841	66	0.5593%	Phosphorus, Total		mg/L	0.83	1.11	-	61.3	81.7
USGS	5439500	12/29/2008	3590	3569.83	0.0037	13.6841	66	0.5593%	Phosphorus, Total		mg/L	0.83	1.11	-	61.3	81.7
USGS	5439500	5/14/2010	3590	3569.83	0.0037	13.6841	66	0.5593%	Phosphorus, Total		mg/L	0.83	1.11	-	61.3	81.7
USGS	5439500	6/2/2004	3570	3549.83	0.0037	13.6103	69	0.5847%	Phosphorus, Total		mg/L	0.83	1.11	-	60.9	81.2
USGS	5439500	8/23/2007	3550	3529.83	0.0037	13.5365	70	0.5932%	Phosphorus, Total		mg/L	0.83	1.11	-	60.6	80.8
USGS	5439500	5/2/2019	3540	3519.83	0.0037	13.4996	71	0.6016%	Phosphorus, Total		mg/L	0.83	1.11	-	60.4	80.6
USGS	5439500	6/7/2002	3530	3509.83	0.0037	13.4627	72	0.6101%	Phosphorus, Total		mg/L	0.83	1.11	-	60.3	80.3
USGS	5439500	2/24/1997	3510	3489.83	0.0037	13.3889	73	0.6186%	Phosphorus, Total		mg/L	0.83	1.11	-	59.9	79.9
USGS	5439500	6/18/2015	3510	3489.83	0.0037	13.3889	73	0.6186%	Phosphorus, Total		mg/L	0.83	1.11	-	59.9	79.9
USGS	5439500	12/30/2008	3490	3469.83	0.0037	13.3151	75	0.6355%	Phosphorus, Total		mg/L	0.83	1.11	-	59.6	79.5
USGS	5439500	6/19/2015	3460	3439.83	0.0037	13.2044	76	0.6440%	Phosphorus, Total		mg/L	0.83	1.11	-	59.1	78.8
USGS	5439500	6/12/2004	3450	3429.83	0.0037	13.1675	77	0.6525%	Phosphorus, Total		mg/L	0.83	1.11	-	58.9	78.6
USGS	5439500	5/21/1996	3430	3409.83	0.0037	13.0937	78	0.6610%	Phosphorus, Total		mg/L	0.83	1.11	-	58.6	78.1
USGS	5439500	2/24/2019	3410	3389.83	0.0037	13.0199	79	0.6694%	Phosphorus, Total		mg/L	0.83	1.11	-	58.3	77.7
USGS	5439500	3/13/2019	3410	3389.83	0.0037	13.0199	79	0.6694%	Phosphorus, Total		mg/L	0.83	1.11	-	58.3	77.7
USGS	5439500	3/29/2020	3400	3379.83	0.0037	12.9830	81	0.6864%	Phosphorus, Total		mg/L	0.83	1.11	-	58.1	77.5
USGS	5439500	5/31/2004	3390	3369.83	0.0037	12.9461	82	0.6949%	Phosphorus, Total		mg/L	0.83	1.11	-	57.9	77.3
USGS	5439500	3/11/2009	3390	3369.83	0.0037	12.9461	82	0.6949%	Phosphorus, Total		mg/L	0.83	1.11	-	57.9	77.3
USGS	5439500	3/26/1993	3380	3359.83	0.0037	12.9092	84	0.7118%	Phosphorus, Total		mg/L	0.83	1.11	-	57.8	77.0
USGS	5439500	3/30/2020	3380	3359.83	0.0037	12.9092	84	0.7118%	Phosphorus, Total		mg/L	0.83	1.11	-	57.8	77.0
USGS	5439500	2/25/2001	3370	3349.83	0.0037	12.8723	86	0.7288%	Phosphorus, Total		mg/L	0.83	1.11	-	57.6	76.8
USGS	5439500	3/9/2009	3370	3349.83	0.0037	12.8723	86	0.7288%	Phosphorus, Total		mg/L	0.83	1.11	-	57.6	76.8
USGS	5439500	3/13/2013	3360	3339.83	0.0037	12.8354	88	0.7457%	Phosphorus, Total		mg/L	0.83	1.11	-	57.5	76.6
USGS	5439500	8/29/2007	3330	3309.83	0.0037	12.7247	89	0.7542%	Phosphorus, Total		mg/L	0.83	1.11	-	57.0	75.9
USGS	5439500	8/8/1996	3320	3299.83	0.0037	12.6878	90	0.7626%	Phosphorus, Total		mg/L	0.83	1.11	-	56.8	75.7
USGS	5439500	7/19/1993	3300	3279.83	0.0037	12.6140	91	0.7711%	Phosphorus, Total		mg/L	0.83	1.11	-	56.5	75.3
USGS	5439500	7/1/2014	3300	3279.83	0.0037	12.6140	91	0.7711%	Phosphorus, Total		mg/L	0.83	1.11	-	56.5	75.3
USGS	5439500	4/20/1993	3280	3259.83	0.0037	12.5401	93	0.7881%	Phosphorus, Total		mg/L	0.83	1.11	-	56.1	74.8
USGS	5439500	2/20/2018	3280	3259.83	0.0037	12.5401	93	0.7881%	Phosphorus, Total		mg/L	0.83	1.11	-	56.1	74.8
USGS	5439500	4/17/1993	3230	3209.83	0.0037	12.3556	95	0.8050%	Phosphorus, Total		mg/L	0.83	1.11	-	55.3	73.7
USGS	5439500	2/11/2001	3220	3199.83	0.0037	12.3187	96	0.8135%	Phosphorus, Total		mg/L	0.83	1.11	-	55.1	73.5
USGS	5439500	7/23/2017	3220	3199.83	0.0037	12.3187	96	0.8135%	Phosphorus, Total		mg/L	0.83	1.11	-	55.1	73.5
USGS	5439500	5/20/1996	3190	3169.83	0.0037	12.2080	98	0.8304%	Phosphorus, Total		mg/L	0.83	1.11	-	54.6	72.9
USGS	5439500	8/21/2007	3180	3159.83	0.0037	12.1711	99	0.8389%	Phosphorus, Total		mg/L	0.83	1.11	-	54.5	72.6
USGS	5439500	5/15/2010	3180	3159.83	0.0037	12.1711	99	0.8389%	Phosphorus, Total		mg/L	0.83	1.11	-	54.5	72.6
USGS	5439500	2/10/2001	3170	3149.83	0.0037	12.1342	101	0.8559%	Phosphorus, Total		mg/L	0.83	1.11	-	54.3	72.4
USGS	5439500	3/8/2009	3160	3139.83	0.0037	12.0973	102	0.8643%	Phosphorus, Total		mg/L	0.83	1.11	-	54.1	72.2
USGS	5439500	6/17/2015	3160	3139.83	0.0037	12.0973	102	0.8643%	Phosphorus, Total		mg/L	0.83	1.11	-	54.1	72.2
USGS	5439500	9/15/2008	3150	3129.83	0.0037	12.0604	104	0.8813%	Phosphorus, Total		mg/L	0.83	1.11	-	54.0	72.0
USGS	5439500	6/20/2015	3150	3129.83	0.0037	12.0604	104	0.8813%	Phosphorus, Total		mg/L	0.83	1.11	-	54.0	72.0
USGS	5439500	5/4/2019	3140	3119.83	0.0037	12.0235	106	0.8982%	Phosphorus, Total		mg/L	0.83	1.11	-	53.8	71.8
USGS	5439500	7/20/2017	3120	3099.83	0.0037	11.9497	107	0.9067%	Phosphorus, Total		mg/L	0.83	1.11	-	53.5	71.3
USGS	5439500	3/10/2019	3120	3099.83	0.0037	11.9497	107	0.9067%	Phosphorus, Total		mg/L	0.83	1.11	-	53.5	71.3
USGS	5439500	7/21/1993	3100	3079.83	0.0037	11.8759	109	0.9237%	Phosphorus, Total		mg/L	0.83	1.11	-	53.2	70.9
USGS	5439500	4/24/1999	3080	3059.83	0.0037	11.8021	110	0.9321%	Phosphorus, Total		mg/L	0.83	1.11	-	52.8	70.4
USGS	5439500	3/4/1993	3070	3049.83	0.0037	11.7652	111	0.9406%	Phosphorus, Total		mg/L	0.83	1.11	-	52.7	70.2
USGS	5439500	3/14/2019	3040	3019.83	0.0037	11.6545	112	0.9491%	Phosphorus, Total		mg/L	0.83	1.11	-	52.2	69.6
USGS	5439500	6/1/2011	3020	2999.83	0.0037	11.5807	113	0.9575%	Phosphorus, Total		mg/L	0.83	1.11	-	51.8	69.1
USGS	5439500	5/24/2020	3020	2999.83	0.0037	11.5807	113	0.9575%	Phosphorus, Total		mg/L	0.83	1.11	-	51.8	69.1
USGS	5439500	5/25/2004	3000	2979.83	0.0037	11.5069	115	0.9745%	Phosphorus, Total		mg/L	0.83	1.11	-	51.5	68.7
USGS	5439500	3/15/2019	2990	2969.83	0.0037	11.4700	116	0.9830%	Phosphorus, Total		mg/L	0.83	1.11	-	51.3	68.5
USGS	5439500	4/1/1993	2960	2939.83	0.0037	11.3593	117	0.9914%	Phosphorus, Total		mg/L	0.83	1.11	-	50.8	67.8
USGS	5439500	9/19/2008	2960	2939.83	0.0037	11.3593	117	0.9914%	Phosphorus, Total		mg/L	0.83	1.11	-	50.8	67.8
USGS	5439500	1/25/1999	2940	2919.83	0.0037	11.2855	119	1.0084%	Phosphorus, Total		mg/L	0.83	1.11	-	50.5	67.4
USGS	5439500	6/11/1993	2930	2909.83	0.0037	11.2486	120	1.0169%	Phosphorus, Total		mg/L	0.83	1.11	-	50.3	67.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/31/1996	2920	2899.83	0.0037	11.2117	121	1.0253%	Phosphorus, Total		mg/L	0.83	1.11	-	50.2	66.9
USGS	5439500	5/28/1991	2910	2889.83	0.0037	11.1748	122	1.0338%	Phosphorus, Total		mg/L	0.83	1.11	-	50.0	66.7
USGS	5439500	6/21/1993	2900	2879.83	0.0037	11.1379	123	1.0423%	Phosphorus, Total		mg/L	0.83	1.11	-	49.9	66.5
USGS	5439500	6/3/2004	2900	2879.83	0.0037	11.1379	123	1.0423%	Phosphorus, Total		mg/L	0.83	1.11	-	49.9	66.5
USGS	5439500	6/19/1993	2880	2859.83	0.0037	11.0641	125	1.0592%	Phosphorus, Total		mg/L	0.83	1.11	-	49.5	66.0
USGS	5439500	3/2/2007	2880	2859.83	0.0037	11.0641	125	1.0592%	Phosphorus, Total		mg/L	0.83	1.11	-	49.5	66.0
USGS	5439500	5/30/2011	2880	2859.83	0.0037	11.0641	125	1.0592%	Phosphorus, Total		mg/L	0.83	1.11	-	49.5	66.0
USGS	5439500	5/14/2016	2880	2859.83	0.0037	11.0641	125	1.0592%	Phosphorus, Total		mg/L	0.83	1.11	-	49.5	66.0
USGS	5439500	5/27/1991	2870	2849.83	0.0037	11.0271	129	1.0931%	Phosphorus, Total		mg/L	0.83	1.11	-	49.4	65.8
USGS	5439500	5/16/2010	2870	2849.83	0.0037	11.0271	129	1.0931%	Phosphorus, Total		mg/L	0.83	1.11	-	49.4	65.8
USGS	5439500	2/21/2018	2870	2849.83	0.0037	11.0271	129	1.0931%	Phosphorus, Total		mg/L	0.83	1.11	-	49.4	65.8
USGS	5439500	4/18/1993	2860	2839.83	0.0037	10.9902	132	1.1185%	Phosphorus, Total		mg/L	0.83	1.11	-	49.2	65.6
USGS	5439500	9/14/2008	2850	2829.83	0.0037	10.9533	133	1.1270%	Phosphorus, Total		mg/L	0.83	1.11	-	49.0	65.4
USGS	5439500	2/27/2009	2840	2819.83	0.0037	10.9164	134	1.1355%	Phosphorus, Total		mg/L	0.83	1.11	-	48.9	65.2
USGS	5439500	5/1/2017	2840	2819.83	0.0037	10.9164	134	1.1355%	Phosphorus, Total		mg/L	0.83	1.11	-	48.9	65.2
USGS	5439500	3/12/1990	2830	2809.83	0.0037	10.8795	136	1.1524%	Phosphorus, Total		mg/L	0.83	1.11	-	48.7	64.9
USGS	5439500	5/25/1997	2830	2809.83	0.0037	10.8795	136	1.1524%	Phosphorus, Total		mg/L	0.83	1.11	-	48.7	64.9
USGS	5439500	3/7/1994	2810	2789.83	0.0037	10.8057	138	1.1694%	Phosphorus, Total		mg/L	0.83	1.11	-	48.4	64.5
USGS	5439500	5/22/2004	2810	2789.83	0.0037	10.8057	138	1.1694%	Phosphorus, Total		mg/L	0.83	1.11	-	48.4	64.5
USGS	5439500	3/4/2008	2800	2779.83	0.0037	10.7688	140	1.1863%	Phosphorus, Total		mg/L	0.83	1.11	-	48.2	64.3
USGS	5439500	3/31/2020	2790	2769.83	0.0037	10.7319	141	1.1948%	Phosphorus, Total		mg/L	0.83	1.11	-	48.0	64.0
USGS	5439500	5/2/2017	2780	2759.83	0.0037	10.6950	142	1.2033%	Phosphorus, Total		mg/L	0.83	1.11	-	47.9	63.8
USGS	5439500	12/31/2008	2770	2749.83	0.0037	10.6581	143	1.2118%	Phosphorus, Total		mg/L	0.83	1.11	-	47.7	63.6
USGS	5439500	5/31/2011	2770	2749.83	0.0037	10.6581	143	1.2118%	Phosphorus, Total		mg/L	0.83	1.11	-	47.7	63.6
USGS	5439500	4/9/1993	2760	2739.83	0.0037	10.6212	145	1.2287%	Phosphorus, Total		mg/L	0.83	1.11	-	47.5	63.4
USGS	5439500	6/8/2002	2760	2739.83	0.0037	10.6212	145	1.2287%	Phosphorus, Total		mg/L	0.83	1.11	-	47.5	63.4
USGS	5439500	6/20/2009	2760	2739.83	0.0037	10.6212	145	1.2287%	Phosphorus, Total		mg/L	0.83	1.11	-	47.5	63.4
USGS	5439500	4/16/1998	2750	2729.83	0.0037	10.5843	148	1.2541%	Phosphorus, Total		mg/L	0.83	1.11	-	47.4	63.2
USGS	5439500	3/13/1990	2740	2719.83	0.0037	10.5474	149	1.2626%	Phosphorus, Total		mg/L	0.83	1.11	-	47.2	62.9
USGS	5439500	3/5/1993	2730	2709.83	0.0037	10.5105	150	1.2711%	Phosphorus, Total		mg/L	0.83	1.11	-	47.0	62.7
USGS	5439500	4/2/1993	2720	2699.83	0.0037	10.4736	151	1.2796%	Phosphorus, Total		mg/L	0.83	1.11	-	46.9	62.5
USGS	5439500	3/1/1997	2710	2689.83	0.0037	10.4367	152	1.2880%	Phosphorus, Total		mg/L	0.83	1.11	-	46.7	62.3
USGS	5439500	5/11/2017	2710	2689.83	0.0037	10.4367	152	1.2880%	Phosphorus, Total		mg/L	0.83	1.11	-	46.7	62.3
USGS	5439500	4/30/2019	2710	2689.83	0.0037	10.4367	152	1.2880%	Phosphorus, Total		mg/L	0.83	1.11	-	46.7	62.3
USGS	5439500	2/6/1991	2700	2679.83	0.0037	10.3998	155	1.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	46.6	62.1
USGS	5439500	6/22/1993	2700	2679.83	0.0037	10.3998	155	1.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	46.6	62.1
USGS	5439500	7/23/1996	2700	2679.83	0.0037	10.3998	155	1.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	46.6	62.1
USGS	5439500	6/22/2014	2690	2669.83	0.0037	10.3629	158	1.3389%	Phosphorus, Total		mg/L	0.83	1.11	-	46.4	61.8
USGS	5439500	5/21/2020	2690	2669.83	0.0037	10.3629	158	1.3389%	Phosphorus, Total		mg/L	0.83	1.11	-	46.4	61.8
USGS	5439500	3/12/2009	2680	2659.83	0.0037	10.3260	160	1.3558%	Phosphorus, Total		mg/L	0.83	1.11	-	46.2	61.6
USGS	5439500	6/20/1993	2660	2639.83	0.0037	10.2522	161	1.3643%	Phosphorus, Total		mg/L	0.83	1.11	-	45.9	61.2
USGS	5439500	2/22/2018	2660	2639.83	0.0037	10.2522	161	1.3643%	Phosphorus, Total		mg/L	0.83	1.11	-	45.9	61.2
USGS	5439500	6/16/1999	2640	2619.83	0.0037	10.1784	163	1.3812%	Phosphorus, Total		mg/L	0.83	1.11	-	45.6	60.7
USGS	5439500	6/29/2017	2640	2619.83	0.0037	10.1784	163	1.3812%	Phosphorus, Total		mg/L	0.83	1.11	-	45.6	60.7
USGS	5439500	5/30/2019	2640	2619.83	0.0037	10.1784	163	1.3812%	Phosphorus, Total		mg/L	0.83	1.11	-	45.6	60.7
USGS	5439500	2/12/2001	2630	2609.83	0.0037	10.1415	166	1.4067%	Phosphorus, Total		mg/L	0.83	1.11	-	45.4	60.5
USGS	5439500	8/7/2007	2620	2599.83	0.0037	10.1046	167	1.4151%	Phosphorus, Total		mg/L	0.83	1.11	-	45.2	60.3
USGS	5439500	6/30/1993	2610	2589.83	0.0037	10.0677	168	1.4236%	Phosphorus, Total		mg/L	0.83	1.11	-	45.1	60.1
USGS	5439500	1/23/1999	2600	2579.83	0.0037	10.0308	169	1.4321%	Phosphorus, Total		mg/L	0.83	1.11	-	44.9	59.9
USGS	5439500	2/26/2001	2600	2579.83	0.0037	10.0308	169	1.4321%	Phosphorus, Total		mg/L	0.83	1.11	-	44.9	59.9
USGS	5439500	6/26/2013	2600	2579.83	0.0037	10.0308	169	1.4321%	Phosphorus, Total		mg/L	0.83	1.11	-	44.9	59.9
USGS	5439500	5/15/2016	2600	2579.83	0.0037	10.0308	169	1.4321%	Phosphorus, Total		mg/L	0.83	1.11	-	44.9	59.9
USGS	5439500	6/28/2018	2600	2579.83	0.0037	10.0308	169	1.4321%	Phosphorus, Total		mg/L	0.83	1.11	-	44.9	59.9
USGS	5439500	1/26/1999	2590	2569.83	0.0037	9.9939	174	1.4745%	Phosphorus, Total		mg/L	0.83	1.11	-	44.7	59.6
USGS	5439500	7/2/2014	2590	2569.83	0.0037	9.9939	174	1.4745%	Phosphorus, Total		mg/L	0.83	1.11	-	44.7	59.6
USGS	5439500	2/23/1994	2580	2559.83	0.0037	9.9570	176	1.4914%	Phosphorus, Total		mg/L	0.83	1.11	-	44.6	59.4
USGS	5439500	4/25/1999	2570	2549.83	0.0037	9.9201	177	1.4999%	Phosphorus, Total		mg/L	0.83	1.11	-	44.4	59.2
USGS	5439500	3/8/1994	2550	2529.83	0.0037	9.8463	178	1.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	44.1	58.8
USGS	5439500	4/17/1998	2550	2529.83	0.0037	9.8463	178	1.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	44.1	58.8
USGS	5439500	6/15/2015	2550	2529.83	0.0037	9.8463	178	1.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	44.1	58.8
USGS	5439500	4/21/1993	2540	2519.83	0.0037	9.8094	181	1.5338%	Phosphorus, Total		mg/L	0.83	1.11	-	43.9	58.5
USGS	5439500	8/9/1996	2540	2519.83	0.0037	9.8094	181	1.5338%	Phosphorus, Total		mg/L	0.83	1.11	-	43.9	58.5
USGS	5439500	6/14/2000	2540	2519.83	0.0037	9.8094	181	1.5338%	Phosphorus, Total		mg/L	0.83	1.11	-	43.9	58.5
USGS	5439500	6/13/2004	2540	2519.83	0.0037	9.8094	181	1.5338%	Phosphorus, Total		mg/L	0.83	1.11	-	43.9	58.5
USGS	5439500	1/4/1993	2530	2509.83	0.0037	9.7725	185	1.5677%	Phosphorus, Total		mg/L	0.83	1.11	-	43.7	58.3
USGS	5439500	4/15/1993	2530	2509.83	0.0037	9.7725	185	1.5677%	Phosphorus, Total		mg/L	0.83	1.11	-	43.7	58.3
USGS	5439500	5/9/1998	2530	2509.83	0.0037	9.7725	185	1.5677%	Phosphorus, Total		mg/L	0.83	1.11	-	43.7	58.3
USGS	5439500	5/3/2017	2520	2499.83	0.0037	9.7356	188	1.5931%	Phosphorus, Total		mg/L	0.83	1.11	-	43.6	58.1
USGS	5439500	4/3/1993	2510	2489.83	0.0037	9.6987	189	1.6016%	Phosphorus, Total		mg/L	0.83	1.11	-	43.4	57.9
USGS	5439500	10/31/2009	2510	2489.83	0.0037	9.6987	189	1.6016%	Phosphorus, Total		mg/L	0.83	1.11	-	43.4	57.9
USGS	5439500	3/28/2020	2510	2489.83	0.0037	9.6987	189	1.6016%	Phosphorus, Total		mg/L	0.83	1.11	-	43.4	57.9
USGS	5439500	3/11/1990	2500	2479.83	0.0037	9.6618	192	1.6270%	Phosphorus, Total		mg/L	0.83	1.11	-	43.2	57.7
USGS	5439500	5/8/1998	2500	2479.83	0.0037	9.6618	192	1.6270%	Phosphorus, Total		mg/L	0.83	1.11	-	43.2	57.7
USGS	5439500	3/2/1997	2490	2469.83	0.0037	9.6249	194	1.6439%	Phosphorus, Total		mg/L	0.83	1.11	-	43.1	57.4
USGS	5439500	4/22/2013	2490	2469.83	0.0037	9.6249	194	1.6439%	Phosphorus, Total		mg/L	0.83	1.11	-	43.1	57.4
USGS	5439500	1/5/1993	2470	2449.83	0.0037	9.5510	196	1.6609%	Phosphorus, Total		mg/L	0.83	1.11	-	42.8	57.0
USGS	5439500	3/3/2007	2470	2449.83	0.0037	9.5510	196	1.6609%	Phosphorus, Total		mg/L	0.83	1.11	-	42.8	57.0
USGS	5439500	6/21/2015	2470	2449.83	0.0037	9.5510	196	1.6609%	Phosphorus, Total		mg/L	0.83	1.11	-	42.8	57.0
USGS	5439500	10/5/2019	2470	2449.83	0.0037	9.5510	196	1.6609%	Phosphorus, Total		mg/L	0.83	1.11	-	42.8	57.0
USGS	5439500	2/23/2018	2460	2439.83	0.0037	9.5141	200	1.6948%	Phosphorus, Total		mg/L	0.83	1.11	-	42.6	56.8
USGS	5439500	12/27/2008	2450	2429.83	0.0037	9.4772	201	1.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	42.4	56.6
USGS	5439500	7/24/2017	2450	2429.83	0.0037	9.4772	201	1.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	42.4	56.6
USGS	5439500	2/27/2001	2440	2419.83	0.0037	9.4403	203	1.7202%	Phosphorus, Total		mg/L	0.83	1.11	-	42.3	56.3
USGS	5439500	12/26/2009	2440	2419.83	0.0037	9.4403	203	1.7202%	Phosphorus, Total		mg/L	0.83	1.11	-	42.3	56.3
USGS	5439500	4/19/1993	2430	2409.83	0.0037	9.4034	205	1.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	42.1	56.1
USGS	5439500	3/4/2007	2430	2409.83	0.0037	9.4034	205	1.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	42.1	56.1
USGS	5439500	1/17/2017	2430	2409.83	0.0037	9.4034	205	1.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	42.1	56.1
USGS	5439500	6/8/1993	2410	2389.83	0.0037	9.3296	208	1.7626%	Phosphorus, Total		mg/L	0.83	1.11	-	41.8	55.7
USGS	5439500	7/3/2014	2400	2379.83	0.0037	9.2927	209	1.7710%	Phosphorus, Total		mg/L	0.83	1.11	-	41.6	55.5
USGS	5439500	8/30/2007	2390	2369.83	0.0037	9.2558	210	1.7795%	Phosphorus, Total		mg/L	0.83	1.11	-	41.4	55.2
USGS	5439500	12/3/2018	2390	2369.83	0.0037	9.2558	210	1.7795%	Phosphorus, Total		mg/L	0.83	1.11	-	41.4	55.2
USGS	5439500	5/25/1995	2380	2359.83	0.0037	9.2189	212	1.7965%	Phosphorus, Total		mg/L	0.83	1.11	-	41.3	55.0
USGS	5439500	6/1/1996	2380	2359.83	0.0037	9.2189	212	1.7965%	Phosphorus, Total		mg/L	0.83	1.11	-	41.3	55.0
USGS	5439500	6/23/2018	2380	2359.83	0.0037	9.2189	212	1.7965%	Phosphorus, Total		mg/L	0.83	1.11	-	41.3	55.0
USGS	5439500	10/4/2019	2380	2359.83	0.0037	9.2189	212	1.7965%	Phosphorus, Total		mg/L	0.83	1.11	-	41.3	55.0
USGS	5439500	4/22/1999	2370	2349.83	0.0037	9.1820	216	1.8304%	Phosphorus, Total		mg/L	0.83	1.11	-	41.1	54.8
USGS	5439500	6/11/2011	2370	2349.83	0.0037	9.1820	216	1.8304%	Phosphorus, Total		mg/L	0.83	1.11	-	41.1	54.8
USGS	5439500	3/16/2019	2370	2349.83	0.0037	9.1820	216	1.8304%	Phosphorus, Total		mg/L	0.83	1.11	-	41.1	54.8
USGS	5439500	7/29/1996	2360	2339.83	0.0037	9.1451	219	1.8558%	Phosphorus, Total		mg/L	0.83	1.11	-	40.9	54.6
USGS	5439500	6/15/2000	2360	2339.83	0.0037	9.1451	219	1.8558%	Phosphorus, Total		mg/L	0.83	1.11	-	40.9	54.6
USGS	5439500	3/14/1990	2350	2329.83	0.0037	9.1082	221	1.8727%	Phosphorus, Total		mg/L	0.83	1.11	-	40.8	54.4
USGS	5439500	3/28/1991	2350	2329.83	0.0037	9.1082	221	1.8727%	Phosphorus, Total		mg/L	0.83	1.11	-	40.8	54.4
USGS	5439500	3/5/2008	2350	2329.83	0.0037	9.1082	221	1.8727%	Phosphorus, Total		mg/L	0.83	1.11	-	40.8	54.4
USGS	5439500	5/5/2019	2350	2329.83	0.0037	9.1082	221	1.8727%	Phosphorus, Total		mg/L	0.83	1.11	-	40.8	54.4
USGS	5439500	5/10/1998	2340	2319.83	0.0037	9.0713	225	1.9066%	Phosphorus, Total		mg/L	0.83	1.11	-	40.6	54.1
USGS	5439500	4/28/1999	2340	2319.83	0.0037	9.0713	225	1.9066%	Phosphorus, Total		mg/L	0.83	1.11	-	40.6	54.1
USGS	5439500	6/20/2014	2330	2309.83	0.0037	9.0344	227	1.9236%	Phosphorus, Total		mg/L	0.83	1.11	-	40.4	53.9
USGS	5439500	3/27/1993	2320	2299.83	0.0037	8.9975	228	1.9320%	Phosphorus, Total		mg/L	0.83	1.11	-	40.3	53.7
USGS	5439500	2/25/1997	2320	2299.83	0.0037	8.9975	228	1.9320%	Phosphorus, Total		mg/L	0.83	1.11	-	40.3	53.7
USGS	5439500	8/22/2007	2310	2289.83	0.0037	8.9606	230	1.9490%	Phosphorus, Total		mg/L	0.83	1.11	-	40.1	53.5
USGS	5439500	5/11/2019	2310	2289.83	0.0037	8.9606	230	1.9490%	Phosphorus, Total		mg/L	0.83	1.11	-	40.1	53.5
USGS	5439500	2/28/2009	2300	2279.83	0.0037	8.9237	232	1.9659%	Phosphorus, Total		mg/L	0.83	1.11	-	39.9	53.3
USGS	5439500	5/10/1995	2280	2259.83	0.0037	8.8499	233	1.9744%	Phosphorus, Total		mg/L	0.83	1.11	-	39.6	52.8
USGS	5439500	3/31/2017	2280	2259.83	0.0037	8.8499	233	1.9744%	Phosphorus, Total		mg/L	0.83	1.11	-	39.6	52.8
USGS	5439500	6/27/2018	2270	2249.83	0.0037	8.8130	235	1.9914%	Phosphorus, Total		mg/L	0.83	1.11	-	39.4	52.6
USGS	5439500	7/1/1993	2260	2239.83	0.0037	8.7761	236	1.9998%	Phosphorus, Total		mg/L	0.83	1.11	-	39.3	52.4
USGS	5439500	3/14/2013	2260	2239.83	0.0037	8.7761	236	1.9998%	Phosphorus, Total		mg/L	0.83	1.11	-	39.3	52.4
USGS	5439500	6/13/2000	2250	2229.83	0.0037	8.7392	238	2.0168%	Phosphorus, Total		mg/L	0.83	1.11	-	39.1	52.2
USGS	5439500	12/27/2009	2250	2229.83	0.0037	8.7392	238	2.0168%	Phosphorus, Total		mg/L	0.83	1.11	-	39.1	52.2
USGS	5439500	6/22/2018	2250	2229.83	0.0037	8.7392	238	2.0168%	Phosphorus, Total		mg/L	0.83	1.11	-	39.1	52.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/3/2019	2250	2229.83	0.0037	8.7392	238	2.0168%	Phosphorus, Total		mg/L	0.83	1.11	-	39.1	52.2
USGS	5439500	1/18/2017	2240	2219.83	0.0037	8.7023	242	2.0507%	Phosphorus, Total		mg/L	0.83	1.11	-	39.0	51.9
USGS	5439500	5/24/1995	2230	2209.83	0.0037	8.6654	243	2.0591%	Phosphorus, Total		mg/L	0.83	1.11	-	38.8	51.7
USGS	5439500	6/12/2011	2230	2209.83	0.0037	8.6654	243	2.0591%	Phosphorus, Total		mg/L	0.83	1.11	-	38.8	51.7
USGS	5439500	1/6/1993	2220	2199.83	0.0037	8.6285	245	2.0761%	Phosphorus, Total		mg/L	0.83	1.11	-	38.6	51.5
USGS	5439500	6/2/1996	2220	2199.83	0.0037	8.6285	245	2.0761%	Phosphorus, Total		mg/L	0.83	1.11	-	38.6	51.5
USGS	5439500	2/18/2008	2210	2189.83	0.0037	8.5916	247	2.0930%	Phosphorus, Total		mg/L	0.83	1.11	-	38.5	51.3
USGS	5439500	4/11/2008	2210	2189.83	0.0037	8.5916	247	2.0930%	Phosphorus, Total		mg/L	0.83	1.11	-	38.5	51.3
USGS	5439500	3/10/2007	2200	2179.83	0.0037	8.5547	249	2.1100%	Phosphorus, Total		mg/L	0.83	1.11	-	38.3	51.1
USGS	5439500	5/14/2002	2190	2169.83	0.0037	8.5178	250	2.1185%	Phosphorus, Total		mg/L	0.83	1.11	-	38.1	50.8
USGS	5439500	4/1/2017	2190	2169.83	0.0037	8.5178	250	2.1185%	Phosphorus, Total		mg/L	0.83	1.11	-	38.1	50.8
USGS	5439500	5/31/2019	2190	2169.83	0.0037	8.5178	250	2.1185%	Phosphorus, Total		mg/L	0.83	1.11	-	38.1	50.8
USGS	5439500	5/26/2004	2180	2159.83	0.0037	8.4809	253	2.1439%	Phosphorus, Total		mg/L	0.83	1.11	-	38.0	50.6
USGS	5439500	8/19/2007	2180	2159.83	0.0037	8.4809	253	2.1439%	Phosphorus, Total		mg/L	0.83	1.11	-	38.0	50.6
USGS	5439500	11/1/2009	2170	2149.83	0.0037	8.4440	255	2.1608%	Phosphorus, Total		mg/L	0.83	1.11	-	37.8	50.4
USGS	5439500	6/2/2011	2170	2149.83	0.0037	8.4440	255	2.1608%	Phosphorus, Total		mg/L	0.83	1.11	-	37.8	50.4
USGS	5439500	3/3/1997	2160	2139.83	0.0037	8.4071	257	2.1778%	Phosphorus, Total		mg/L	0.83	1.11	-	37.6	50.2
USGS	5439500	12/2/2018	2160	2139.83	0.0037	8.4071	257	2.1778%	Phosphorus, Total		mg/L	0.83	1.11	-	37.6	50.2
USGS	5439500	2/10/2009	2150	2129.83	0.0037	8.3702	259	2.1947%	Phosphorus, Total		mg/L	0.83	1.11	-	37.5	50.0
USGS	5439500	6/16/1993	2140	2119.83	0.0037	8.3333	260	2.2032%	Phosphorus, Total		mg/L	0.83	1.11	-	37.3	49.7
USGS	5439500	3/11/2007	2130	2109.83	0.0037	8.2964	261	2.2117%	Phosphorus, Total		mg/L	0.83	1.11	-	37.1	49.5
USGS	5439500	7/27/2010	2130	2109.83	0.0037	8.2964	261	2.2117%	Phosphorus, Total		mg/L	0.83	1.11	-	37.1	49.5
USGS	5439500	5/12/2017	2130	2109.83	0.0037	8.2964	261	2.2117%	Phosphorus, Total		mg/L	0.83	1.11	-	37.1	49.5
USGS	5439500	2/7/1991	2120	2099.83	0.0037	8.2595	264	2.2371%	Phosphorus, Total		mg/L	0.83	1.11	-	37.0	49.3
USGS	5439500	11/10/2011	2120	2099.83	0.0037	8.2595	264	2.2371%	Phosphorus, Total		mg/L	0.83	1.11	-	37.0	49.3
USGS	5439500	3/6/1993	2110	2089.83	0.0037	8.2226	266	2.2540%	Phosphorus, Total		mg/L	0.83	1.11	-	36.8	49.1
USGS	5439500	5/26/1995	2110	2089.83	0.0037	8.2226	266	2.2540%	Phosphorus, Total		mg/L	0.83	1.11	-	36.8	49.1
USGS	5439500	4/12/2008	2110	2089.83	0.0037	8.2226	266	2.2540%	Phosphorus, Total		mg/L	0.83	1.11	-	36.8	49.1
USGS	5439500	6/10/2011	2100	2079.83	0.0037	8.1857	269	2.2795%	Phosphorus, Total		mg/L	0.83	1.11	-	36.6	48.9
USGS	5439500	6/27/2013	2100	2079.83	0.0037	8.1857	269	2.2795%	Phosphorus, Total		mg/L	0.83	1.11	-	36.6	48.9
USGS	5439500	7/21/2017	2100	2079.83	0.0037	8.1857	269	2.2795%	Phosphorus, Total		mg/L	0.83	1.11	-	36.6	48.9
USGS	5439500	2/28/1997	2090	2069.83	0.0037	8.1488	272	2.3049%	Phosphorus, Total		mg/L	0.83	1.11	-	36.5	48.6
USGS	5439500	6/15/1993	2080	2059.83	0.0037	8.1119	273	2.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	36.3	48.4
USGS	5439500	4/18/1998	2080	2059.83	0.0037	8.1119	273	2.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	36.3	48.4
USGS	5439500	12/16/2015	2080	2059.83	0.0037	8.1119	273	2.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	36.3	48.4
USGS	5439500	6/24/2018	2080	2059.83	0.0037	8.1119	273	2.3134%	Phosphorus, Total		mg/L	0.83	1.11	-	36.3	48.4
USGS	5439500	2/19/2008	2070	2049.83	0.0037	8.0750	277	2.3473%	Phosphorus, Total		mg/L	0.83	1.11	-	36.1	48.2
USGS	5439500	12/15/2015	2070	2049.83	0.0037	8.0750	277	2.3473%	Phosphorus, Total		mg/L	0.83	1.11	-	36.1	48.2
USGS	5439500	5/10/2019	2070	2049.83	0.0037	8.0750	277	2.3473%	Phosphorus, Total		mg/L	0.83	1.11	-	36.1	48.2
USGS	5439500	4/10/1993	2060	2039.83	0.0037	8.0380	280	2.3727%	Phosphorus, Total		mg/L	0.83	1.11	-	36.0	48.0
USGS	5439500	6/29/2018	2060	2039.83	0.0037	8.0380	280	2.3727%	Phosphorus, Total		mg/L	0.83	1.11	-	36.0	48.0
USGS	5439500	12/4/2018	2060	2039.83	0.0037	8.0380	280	2.3727%	Phosphorus, Total		mg/L	0.83	1.11	-	36.0	48.0
USGS	5439500	1/27/1999	2050	2029.83	0.0037	8.0011	283	2.3981%	Phosphorus, Total		mg/L	0.83	1.11	-	35.8	47.8
USGS	5439500	5/13/2002	2040	2019.83	0.0037	7.9642	284	2.4066%	Phosphorus, Total		mg/L	0.83	1.11	-	35.6	47.5
USGS	5439500	3/12/2007	2040	2019.83	0.0037	7.9642	284	2.4066%	Phosphorus, Total		mg/L	0.83	1.11	-	35.6	47.5
USGS	5439500	3/11/2019	2040	2019.83	0.0037	7.9642	284	2.4066%	Phosphorus, Total		mg/L	0.83	1.11	-	35.6	47.5
USGS	5439500	6/23/1993	2030	2009.83	0.0037	7.9273	287	2.4320%	Phosphorus, Total		mg/L	0.83	1.11	-	35.5	47.3
USGS	5439500	4/4/1993	2020	1999.83	0.0037	7.8904	288	2.4405%	Phosphorus, Total		mg/L	0.83	1.11	-	35.3	47.1
USGS	5439500	3/15/1990	2010	1989.83	0.0037	7.8535	289	2.4489%	Phosphorus, Total		mg/L	0.83	1.11	-	35.2	46.9
USGS	5439500	8/22/2002	2010	1989.83	0.0037	7.8535	289	2.4489%	Phosphorus, Total		mg/L	0.83	1.11	-	35.2	46.9
USGS	5439500	7/4/2014	2010	1989.83	0.0037	7.8535	289	2.4489%	Phosphorus, Total		mg/L	0.83	1.11	-	35.2	46.9
USGS	5439500	10/6/2019	2010	1989.83	0.0037	7.8535	289	2.4489%	Phosphorus, Total		mg/L	0.83	1.11	-	35.2	46.9
USGS	5439500	2/5/1991	2000	1979.83	0.0037	7.8166	293	2.4828%	Phosphorus, Total		mg/L	0.83	1.11	-	35.0	46.7
USGS	5439500	2/19/1994	2000	1979.83	0.0037	7.8166	293	2.4828%	Phosphorus, Total		mg/L	0.83	1.11	-	35.0	46.7
USGS	5439500	3/1/2009	2000	1979.83	0.0037	7.8166	293	2.4828%	Phosphorus, Total		mg/L	0.83	1.11	-	35.0	46.7
USGS	5439500	1/15/1995	1990	1969.83	0.0037	7.7797	296	2.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	34.8	46.4
USGS	5439500	10/24/2001	1990	1969.83	0.0037	7.7797	296	2.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	34.8	46.4
USGS	5439500	6/21/2014	1990	1969.83	0.0037	7.7797	296	2.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	34.8	46.4
USGS	5439500	3/10/2021	1990	1969.83	0.0037	7.7797	296	2.5083%	Phosphorus, Total		mg/L	0.83	1.11	-	34.8	46.4
USGS	5439500	4/27/1995	1980	1959.83	0.0037	7.7428	300	2.5422%	Phosphorus, Total		mg/L	0.83	1.11	-	34.7	46.2
USGS	5439500	5/25/1996	1980	1959.83	0.0037	7.7428	300	2.5422%	Phosphorus, Total		mg/L	0.83	1.11	-	34.7	46.2
USGS	5439500	5/26/1991	1970	1949.83	0.0037	7.7059	302	2.5591%	Phosphorus, Total		mg/L	0.83	1.11	-	34.5	46.0
USGS	5439500	4/22/1993	1970	1949.83	0.0037	7.7059	302	2.5591%	Phosphorus, Total		mg/L	0.83	1.11	-	34.5	46.0
USGS	5439500	6/26/1994	1970	1949.83	0.0037	7.7059	302	2.5591%	Phosphorus, Total		mg/L	0.83	1.11	-	34.5	46.0
USGS	5439500	2/12/2009	1970	1949.83	0.0037	7.7059	302	2.5591%	Phosphorus, Total		mg/L	0.83	1.11	-	34.5	46.0
USGS	5439500	5/1/2009	1970	1949.83	0.0037	7.7059	302	2.5591%	Phosphorus, Total		mg/L	0.83	1.11	-	34.5	46.0
USGS	5439500	6/18/1996	1960	1939.83	0.0037	7.6690	307	2.6015%	Phosphorus, Total		mg/L	0.83	1.11	-	34.3	45.8
USGS	5439500	1/25/2010	1960	1939.83	0.0037	7.6690	307	2.6015%	Phosphorus, Total		mg/L	0.83	1.11	-	34.3	45.8
USGS	5439500	2/7/2019	1960	1939.83	0.0037	7.6690	307	2.6015%	Phosphorus, Total		mg/L	0.83	1.11	-	34.3	45.8
USGS	5439500	10/29/2019	1960	1939.83	0.0037	7.6690	307	2.6015%	Phosphorus, Total		mg/L	0.83	1.11	-	34.3	45.8
USGS	5439500	11/29/1990	1950	1929.83	0.0037	7.6321	311	2.6354%	Phosphorus, Total		mg/L	0.83	1.11	-	34.2	45.5
USGS	5439500	5/28/1995	1940	1919.83	0.0037	7.5952	312	2.6438%	Phosphorus, Total		mg/L	0.83	1.11	-	34.0	45.3
USGS	5439500	4/29/1999	1940	1919.83	0.0037	7.5952	312	2.6438%	Phosphorus, Total		mg/L	0.83	1.11	-	34.0	45.3
USGS	5439500	3/16/2014	1940	1919.83	0.0037	7.5952	312	2.6438%	Phosphorus, Total		mg/L	0.83	1.11	-	34.0	45.3
USGS	5439500	9/13/2019	1940	1919.83	0.0037	7.5952	312	2.6438%	Phosphorus, Total		mg/L	0.83	1.11	-	34.0	45.3
USGS	5439500	6/3/1996	1930	1909.83	0.0037	7.5583	316	2.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	33.8	45.1
USGS	5439500	5/15/2004	1930	1909.83	0.0037	7.5583	316	2.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	33.8	45.1
USGS	5439500	12/14/2015	1930	1909.83	0.0037	7.5583	316	2.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	33.8	45.1
USGS	5439500	9/29/1999	1920	1899.83	0.0037	7.5214	319	2.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	33.7	44.9
USGS	5439500	2/9/2001	1920	1899.83	0.0037	7.5214	319	2.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	33.7	44.9
USGS	5439500	3/13/2015	1920	1899.83	0.0037	7.5214	319	2.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	33.7	44.9
USGS	5439500	10/28/2019	1920	1899.83	0.0037	7.5214	319	2.7032%	Phosphorus, Total		mg/L	0.83	1.11	-	33.7	44.9
USGS	5439500	5/29/1991	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	2/8/2009	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	3/13/2009	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	6/23/2014	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	11/27/2015	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	3/9/2021	1910	1889.83	0.0037	7.4845	323	2.7371%	Phosphorus, Total		mg/L	0.83	1.11	-	33.5	44.7
USGS	5439500	12/31/1992	1900	1879.83	0.0037	7.4476	329	2.7879%	Phosphorus, Total		mg/L	0.83	1.11	-	33.3	44.4
USGS	5439500	6/4/2004	1900	1879.83	0.0037	7.4476	329	2.7879%	Phosphorus, Total		mg/L	0.83	1.11	-	33.3	44.4
USGS	5439500	6/14/2004	1900	1879.83	0.0037	7.4476	329	2.7879%	Phosphorus, Total		mg/L	0.83	1.11	-	33.3	44.4
USGS	5439500	5/13/2016	1900	1879.83	0.0037	7.4476	329	2.7879%	Phosphorus, Total		mg/L	0.83	1.11	-	33.3	44.4
USGS	5439500	11/30/1990	1890	1869.83	0.0037	7.4107	333	2.8218%	Phosphorus, Total		mg/L	0.83	1.11	-	33.2	44.2
USGS	5439500	6/16/2000	1890	1869.83	0.0037	7.4107	333	2.8218%	Phosphorus, Total		mg/L	0.83	1.11	-	33.2	44.2
USGS	5439500	4/1/2009	1890	1869.83	0.0037	7.4107	333	2.8218%	Phosphorus, Total		mg/L	0.83	1.11	-	33.2	44.2
USGS	5439500	12/28/2009	1890	1869.83	0.0037	7.4107	333	2.8218%	Phosphorus, Total		mg/L	0.83	1.11	-	33.2	44.2
USGS	5439500	2/25/2019	1890	1869.83	0.0037	7.4107	333	2.8218%	Phosphorus, Total		mg/L	0.83	1.11	-	33.2	44.2
USGS	5439500	5/17/2010	1880	1859.83	0.0037	7.3738	338	2.8642%	Phosphorus, Total		mg/L	0.83	1.11	-	33.0	44.0
USGS	5439500	2/8/2019	1880	1859.83	0.0037	7.3738	338	2.8642%	Phosphorus, Total		mg/L	0.83	1.11	-	33.0	44.0
USGS	5439500	3/12/2010	1870	1849.83	0.0037	7.3369	340	2.8811%	Phosphorus, Total		mg/L	0.83	1.11	-	32.8	43.8
USGS	5439500	4/6/2017	1870	1849.83	0.0037	7.3369	340	2.8811%	Phosphorus, Total		mg/L	0.83	1.11	-	32.8	43.8
USGS	5439500	6/1/2019	1870	1849.83	0.0037	7.3369	340	2.8811%	Phosphorus, Total		mg/L	0.83	1.11	-	32.8	43.8
USGS	5439500	2/11/2009	1860	1839.83	0.0037	7.3000	343	2.9065%	Phosphorus, Total		mg/L	0.83	1.11	-	32.7	43.6
USGS	5439500	3/29/1991	1850	1829.83	0.0037	7.2631	344	2.9150%	Phosphorus, Total		mg/L	0.83	1.11	-	32.5	43.3
USGS	5439500	3/10/1990	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	12/17/1992	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	7/3/1993	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	5/29/1995	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	1/1/2009	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	2/9/2009	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	3/13/2010	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	5/4/2017	1840	1819.83	0.0037	7.2262	345	2.9235%	Phosphorus, Total		mg/L	0.83	1.11	-	32.3	43.1
USGS	5439500	4/21/1998	1830	1809.83	0.0037	7.1893	353	2.9913%	Phosphorus, Total		mg/L	0.83	1.11	-	32.2	42.9
USGS	5439500	6/2/1999	1830	1809.83	0.0037	7.1893	353	2.9913%	Phosphorus, Total		mg/L	0.83	1.11	-	32.2	42.9
USGS	5439500	10/25/2001	1830	1809.83	0.0037	7.1893	353	2.9913%	Phosphorus, Total		mg/L	0.83	1.11	-	32.2	42.9
USGS	5439500	10/30/2009	1830	1809.83	0.0037	7.1893	353	2.9913%	Phosphorus, Total		mg/L	0.83	1.11	-	32.2	42.9
USGS	5439500	7/17/2015	1830	1809.83	0.0037	7.1893	353	2.9913%	Phosphorus, Total		mg/L	0.83	1.11	-	32.2	42.9
USGS	5439500	3/27/1991	1820	1799.83	0.0037	7.1524	358	3.0336%	Phosphorus, Total		mg/L	0.83	1.11	-	32.0	42.7
USGS	5439500	4/26/1999	1820	1799.83	0.0037	7.1524	358	3.0336%	Phosphorus, Total		mg/L	0.83	1.11	-	32.0	42.7
USGS	5439500	9/20/2008	1820	1799.83	0.0037	7.1524	358	3.0336%	Phosphorus, Total		mg/L	0.83	1.11	-	32.0	42.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/2/2009	1820	1799.83	0.0037	7.1524	358	3.0336%	Phosphorus, Total		mg/L	0.83	1.11	-	32.0	42.7
USGS	5439500	5/11/1995	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	5/26/1996	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	6/19/1996	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	10/19/1998	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	4/21/2000	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	8/8/2007	1810	1789.83	0.0037	7.1155	362	3.0675%	Phosphorus, Total		mg/L	0.83	1.11	-	31.8	42.5
USGS	5439500	8/10/1996	1800	1779.83	0.0037	7.0786	368	3.1184%	Phosphorus, Total		mg/L	0.83	1.11	-	31.7	42.2
USGS	5439500	6/9/2009	1800	1779.83	0.0037	7.0786	368	3.1184%	Phosphorus, Total		mg/L	0.83	1.11	-	31.7	42.2
USGS	5439500	1/26/2010	1800	1779.83	0.0037	7.0786	368	3.1184%	Phosphorus, Total		mg/L	0.83	1.11	-	31.7	42.2
USGS	5439500	3/31/1993	1790	1769.83	0.0037	7.0417	371	3.1438%	Phosphorus, Total		mg/L	0.83	1.11	-	31.5	42.0
USGS	5439500	4/22/1998	1790	1769.83	0.0037	7.0417	371	3.1438%	Phosphorus, Total		mg/L	0.83	1.11	-	31.5	42.0
USGS	5439500	7/12/2008	1790	1769.83	0.0037	7.0417	371	3.1438%	Phosphorus, Total		mg/L	0.83	1.11	-	31.5	42.0
USGS	5439500	4/29/2019	1790	1769.83	0.0037	7.0417	371	3.1438%	Phosphorus, Total		mg/L	0.83	1.11	-	31.5	42.0
USGS	5439500	7/24/1996	1780	1759.83	0.0037	7.0048	375	3.1777%	Phosphorus, Total		mg/L	0.83	1.11	-	31.4	41.8
USGS	5439500	4/30/2020	1780	1759.83	0.0037	7.0048	375	3.1777%	Phosphorus, Total		mg/L	0.83	1.11	-	31.4	41.8
USGS	5439500	12/16/1992	1770	1749.83	0.0037	6.9679	377	3.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	31.2	41.6
USGS	5439500	5/27/1996	1770	1749.83	0.0037	6.9679	377	3.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	31.2	41.6
USGS	5439500	2/13/2001	1770	1749.83	0.0037	6.9679	377	3.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	31.2	41.6
USGS	5439500	4/13/2008	1770	1749.83	0.0037	6.9679	377	3.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	31.2	41.6
USGS	5439500	5/16/2016	1770	1749.83	0.0037	6.9679	377	3.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	31.2	41.6
USGS	5439500	4/28/1995	1760	1739.83	0.0037	6.9310	382	3.2370%	Phosphorus, Total		mg/L	0.83	1.11	-	31.0	41.4
USGS	5439500	5/16/2004	1760	1739.83	0.0037	6.9310	382	3.2370%	Phosphorus, Total		mg/L	0.83	1.11	-	31.0	41.4
USGS	5439500	4/7/2017	1760	1739.83	0.0037	6.9310	382	3.2370%	Phosphorus, Total		mg/L	0.83	1.11	-	31.0	41.4
USGS	5439500	10/27/2019	1760	1739.83	0.0037	6.9310	382	3.2370%	Phosphorus, Total		mg/L	0.83	1.11	-	31.0	41.4
USGS	5439500	11/6/1994	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	6/17/1999	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	2/25/2000	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	6/2/2000	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	3/12/2015	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	6/22/2015	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	5/1/2020	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	3/11/2021	1750	1729.83	0.0037	6.8941	386	3.2709%	Phosphorus, Total		mg/L	0.83	1.11	-	30.9	41.1
USGS	5439500	5/29/2011	1740	1719.83	0.0037	6.8572	394	3.3387%	Phosphorus, Total		mg/L	0.83	1.11	-	30.7	40.9
USGS	5439500	4/2/2017	1740	1719.83	0.0037	6.8572	394	3.3387%	Phosphorus, Total		mg/L	0.83	1.11	-	30.7	40.9
USGS	5439500	5/23/2020	1740	1719.83	0.0037	6.8572	394	3.3387%	Phosphorus, Total		mg/L	0.83	1.11	-	30.7	40.9
USGS	5439500	2/27/1997	1730	1709.83	0.0037	6.8203	397	3.3641%	Phosphorus, Total		mg/L	0.83	1.11	-	30.5	40.7
USGS	5439500	11/28/2015	1730	1709.83	0.0037	6.8203	397	3.3641%	Phosphorus, Total		mg/L	0.83	1.11	-	30.5	40.7
USGS	5439500	2/5/2019	1730	1709.83	0.0037	6.8203	397	3.3641%	Phosphorus, Total		mg/L	0.83	1.11	-	30.5	40.7
USGS	5439500	9/30/2019	1730	1709.83	0.0037	6.8203	397	3.3641%	Phosphorus, Total		mg/L	0.83	1.11	-	30.5	40.7
USGS	5439500	6/25/1994	1720	1699.83	0.0037	6.7834	401	3.3980%	Phosphorus, Total		mg/L	0.83	1.11	-	30.4	40.5
USGS	5439500	6/5/2019	1720	1699.83	0.0037	6.7834	401	3.3980%	Phosphorus, Total		mg/L	0.83	1.11	-	30.4	40.5
USGS	5439500	10/18/1998	1710	1689.83	0.0037	6.7465	403	3.4150%	Phosphorus, Total		mg/L	0.83	1.11	-	30.2	40.3
USGS	5439500	10/6/2018	1710	1689.83	0.0037	6.7465	403	3.4150%	Phosphorus, Total		mg/L	0.83	1.11	-	30.2	40.3
USGS	5439500	11/7/1994	1700	1679.83	0.0037	6.7096	405	3.4319%	Phosphorus, Total		mg/L	0.83	1.11	-	30.0	40.0
USGS	5439500	5/22/1996	1700	1679.83	0.0037	6.7096	405	3.4319%	Phosphorus, Total		mg/L	0.83	1.11	-	30.0	40.0
USGS	5439500	5/15/2002	1700	1679.83	0.0037	6.7096	405	3.4319%	Phosphorus, Total		mg/L	0.83	1.11	-	30.0	40.0
USGS	5439500	12/17/2015	1700	1679.83	0.0037	6.7096	405	3.4319%	Phosphorus, Total		mg/L	0.83	1.11	-	30.0	40.0
USGS	5439500	6/12/1993	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	6/14/1993	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	3/6/1994	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/24/1996	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	7/30/1996	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/13/2003	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/2/2009	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	3/14/2010	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	3/17/2014	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/13/2017	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/9/2019	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/12/2019	1690	1669.83	0.0037	6.6727	409	3.4658%	Phosphorus, Total		mg/L	0.83	1.11	-	29.9	39.8
USGS	5439500	5/11/1990	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	3/9/1994	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	6/4/1996	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	3/13/2007	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	4/30/2017	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	5/29/2019	1680	1659.83	0.0037	6.6358	421	3.5675%	Phosphorus, Total		mg/L	0.83	1.11	-	29.7	39.6
USGS	5439500	5/12/1990	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	6/27/1994	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	6/9/2002	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	4/30/2009	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	3/11/2010	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	6/23/2013	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	12/24/2015	1670	1649.83	0.0037	6.5989	427	3.6183%	Phosphorus, Total		mg/L	0.83	1.11	-	29.5	39.4
USGS	5439500	2/13/2009	1660	1639.83	0.0037	6.5620	434	3.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	29.4	39.2
USGS	5439500	3/25/2009	1660	1639.83	0.0037	6.5620	434	3.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	29.4	39.2
USGS	5439500	11/11/2011	1660	1639.83	0.0037	6.5620	434	3.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	29.4	39.2
USGS	5439500	12/16/2011	1660	1639.83	0.0037	6.5620	434	3.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	29.4	39.2
USGS	5439500	6/11/2018	1660	1639.83	0.0037	6.5620	434	3.6777%	Phosphorus, Total		mg/L	0.83	1.11	-	29.4	39.2
USGS	5439500	4/9/2002	1650	1629.83	0.0037	6.5250	439	3.7200%	Phosphorus, Total		mg/L	0.83	1.11	-	29.2	38.9
USGS	5439500	5/12/2002	1650	1629.83	0.0037	6.5250	439	3.7200%	Phosphorus, Total		mg/L	0.83	1.11	-	29.2	38.9
USGS	5439500	8/9/2007	1650	1629.83	0.0037	6.5250	439	3.7200%	Phosphorus, Total		mg/L	0.83	1.11	-	29.2	38.9
USGS	5439500	6/15/2017	1650	1629.83	0.0037	6.5250	439	3.7200%	Phosphorus, Total		mg/L	0.83	1.11	-	29.2	38.9
USGS	5439500	3/23/2007	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	4/1/2008	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	11/2/2009	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	4/23/2013	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	2/24/2018	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	5/16/2018	1640	1619.83	0.0037	6.4881	443	3.7539%	Phosphorus, Total		mg/L	0.83	1.11	-	29.0	38.7
USGS	5439500	4/16/1991	1630	1609.83	0.0037	6.4512	449	3.8048%	Phosphorus, Total		mg/L	0.83	1.11	-	28.9	38.5
USGS	5439500	6/12/2018	1630	1609.83	0.0037	6.4512	449	3.8048%	Phosphorus, Total		mg/L	0.83	1.11	-	28.9	38.5
USGS	5439500	5/20/1998	1620	1599.83	0.0037	6.4143	451	3.8217%	Phosphorus, Total		mg/L	0.83	1.11	-	28.7	38.3
USGS	5439500	9/13/2008	1620	1599.83	0.0037	6.4143	451	3.8217%	Phosphorus, Total		mg/L	0.83	1.11	-	28.7	38.3
USGS	5439500	2/14/2005	1610	1589.83	0.0037	6.3774	453	3.8387%	Phosphorus, Total		mg/L	0.83	1.11	-	28.5	38.1
USGS	5439500	6/14/2009	1610	1589.83	0.0037	6.3774	453	3.8387%	Phosphorus, Total		mg/L	0.83	1.11	-	28.5	38.1
USGS	5439500	12/25/2009	1610	1589.83	0.0037	6.3774	453	3.8387%	Phosphorus, Total		mg/L	0.83	1.11	-	28.5	38.1
USGS	5439500	11/9/2011	1610	1589.83	0.0037	6.3774	453	3.8387%	Phosphorus, Total		mg/L	0.83	1.11	-	28.5	38.1
USGS	5439500	10/1/2019	1610	1589.83	0.0037	6.3774	453	3.8387%	Phosphorus, Total		mg/L	0.83	1.11	-	28.5	38.1
USGS	5439500	3/16/1990	1600	1579.83	0.0037	6.3405	458	3.8810%	Phosphorus, Total		mg/L	0.83	1.11	-	28.4	37.8
USGS	5439500	5/11/1998	1600	1579.83	0.0037	6.3405	458	3.8810%	Phosphorus, Total		mg/L	0.83	1.11	-	28.4	37.8
USGS	5439500	1/28/1999	1600	1579.83	0.0037	6.3405	458	3.8810%	Phosphorus, Total		mg/L	0.83	1.11	-	28.4	37.8
USGS	5439500	5/22/2020	1600	1579.83	0.0037	6.3405	458	3.8810%	Phosphorus, Total		mg/L	0.83	1.11	-	28.4	37.8
USGS	5439500	5/30/1995	1590	1569.83	0.0037	6.3036	462	3.9149%	Phosphorus, Total		mg/L	0.83	1.11	-	28.2	37.6
USGS	5439500	5/14/1999	1590	1569.83	0.0037	6.3036	462	3.9149%	Phosphorus, Total		mg/L	0.83	1.11	-	28.2	37.6
USGS	5439500	7/14/2015	1590	1569.83	0.0037	6.3036	462	3.9149%	Phosphorus, Total		mg/L	0.83	1.11	-	28.2	37.6
USGS	5439500	3/7/1993	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	2/28/2001	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	3/5/2007	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	12/15/2011	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	9/3/2018	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	2/9/2019	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	9/23/2019	1580	1559.83	0.0037	6.2667	465	3.9403%	Phosphorus, Total		mg/L	0.83	1.11	-	28.1	37.4
USGS	5439500	10/23/2001	1570	1549.83	0.0037	6.2298	472	3.9997%	Phosphorus, Total		mg/L	0.83	1.11	-	27.9	37.2
USGS	5439500	5/12/2003	1570	1549.83	0.0037	6.2298	472	3.9997%	Phosphorus, Total		mg/L	0.83	1.11	-	27.9	37.2
USGS	5439500	12/25/2015	1570	1549.83	0.0037	6.2298	472	3.9997%	Phosphorus, Total		mg/L	0.83	1.11	-	27.9	37.2
USGS	5439500	12/18/1992	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	5/10/1996	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	5/13/1999	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	5/18/2004	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	5/6/2015	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	2/6/2019	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/1/2020	1560	1539.83	0.0037	6.1929	475	4.0251%	Phosphorus, Total		mg/L	0.83	1.11	-	27.7	37.0
USGS	5439500	7/22/1993	1550	1529.83	0.0037	6.1560	482	4.0844%	Phosphorus, Total		mg/L	0.83	1.11	-	27.6	36.7
USGS	5439500	2/19/1997	1550	1529.83	0.0037	6.1560	482	4.0844%	Phosphorus, Total		mg/L	0.83	1.11	-	27.6	36.7
USGS	5439500	4/22/2000	1550	1529.83	0.0037	6.1560	482	4.0844%	Phosphorus, Total		mg/L	0.83	1.11	-	27.6	36.7
USGS	5439500	6/28/2010	1550	1529.83	0.0037	6.1560	482	4.0844%	Phosphorus, Total		mg/L	0.83	1.11	-	27.6	36.7
USGS	5439500	6/24/2014	1550	1529.83	0.0037	6.1560	482	4.0844%	Phosphorus, Total		mg/L	0.83	1.11	-	27.6	36.7
USGS	5439500	4/5/1993	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	6/18/1993	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	1/16/1995	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	6/8/1996	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	4/17/1999	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	2/26/2000	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	1/9/2008	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	6/13/2011	1540	1519.83	0.0037	6.1191	487	4.1268%	Phosphorus, Total		mg/L	0.83	1.11	-	27.4	36.5
USGS	5439500	5/13/1990	1530	1509.83	0.0037	6.0822	495	4.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	27.2	36.3
USGS	5439500	3/22/2007	1530	1509.83	0.0037	6.0822	495	4.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	27.2	36.3
USGS	5439500	6/21/2009	1530	1509.83	0.0037	6.0822	495	4.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	27.2	36.3
USGS	5439500	5/6/2019	1530	1509.83	0.0037	6.0822	495	4.1946%	Phosphorus, Total		mg/L	0.83	1.11	-	27.2	36.3
USGS	5439500	7/2/1993	1520	1499.83	0.0037	6.0453	499	4.2285%	Phosphorus, Total		mg/L	0.83	1.11	-	27.1	36.1
USGS	5439500	3/31/2009	1520	1499.83	0.0037	6.0453	499	4.2285%	Phosphorus, Total		mg/L	0.83	1.11	-	27.1	36.1
USGS	5439500	4/20/2009	1520	1499.83	0.0037	6.0453	499	4.2285%	Phosphorus, Total		mg/L	0.83	1.11	-	27.1	36.1
USGS	5439500	8/28/2009	1520	1499.83	0.0037	6.0453	499	4.2285%	Phosphorus, Total		mg/L	0.83	1.11	-	27.1	36.1
USGS	5439500	8/5/2010	1520	1499.83	0.0037	6.0453	499	4.2285%	Phosphorus, Total		mg/L	0.83	1.11	-	27.1	36.1
USGS	5439500	2/15/2005	1510	1489.83	0.0037	6.0084	504	4.2708%	Phosphorus, Total		mg/L	0.83	1.11	-	26.9	35.9
USGS	5439500	1/7/1993	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	3/28/1993	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	4/11/1993	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	6/3/1999	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	5/30/2004	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	5/27/2011	1500	1479.83	0.0037	5.9715	505	4.2793%	Phosphorus, Total		mg/L	0.83	1.11	-	26.7	35.6
USGS	5439500	5/27/2004	1490	1469.83	0.0037	5.9346	511	4.3301%	Phosphorus, Total		mg/L	0.83	1.11	-	26.6	35.4
USGS	5439500	3/26/2009	1480	1459.83	0.0037	5.8977	512	4.3386%	Phosphorus, Total		mg/L	0.83	1.11	-	26.4	35.2
USGS	5439500	4/24/2013	1480	1459.83	0.0037	5.8977	512	4.3386%	Phosphorus, Total		mg/L	0.83	1.11	-	26.4	35.2
USGS	5439500	11/8/1994	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	3/19/1998	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	8/27/2009	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	4/21/2011	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	9/14/2019	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	3/8/2021	1470	1449.83	0.0037	5.8608	514	4.3556%	Phosphorus, Total		mg/L	0.83	1.11	-	26.2	35.0
USGS	5439500	1/1/1993	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	4/27/1999	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	3/9/2002	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	3/10/2002	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	3/15/2010	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	6/6/2019	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	10/30/2019	1460	1439.83	0.0037	5.8239	520	4.4064%	Phosphorus, Total		mg/L	0.83	1.11	-	26.1	34.8
USGS	5439500	4/17/1991	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	11/12/1995	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	4/23/1998	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	4/30/1999	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	4/10/2002	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	7/13/2008	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	4/21/2009	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	7/25/2017	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	10/16/2017	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	2/25/2018	1450	1429.83	0.0037	5.7870	527	4.4657%	Phosphorus, Total		mg/L	0.83	1.11	-	25.9	34.5
USGS	5439500	3/3/1993	1440	1419.83	0.0037	5.7501	537	4.5505%	Phosphorus, Total		mg/L	0.83	1.11	-	25.7	34.3
USGS	5439500	7/18/1993	1440	1419.83	0.0037	5.7501	537	4.5505%	Phosphorus, Total		mg/L	0.83	1.11	-	25.7	34.3
USGS	5439500	11/29/2015	1440	1419.83	0.0037	5.7501	537	4.5505%	Phosphorus, Total		mg/L	0.83	1.11	-	25.7	34.3
USGS	5439500	3/12/2019	1440	1419.83	0.0037	5.7501	537	4.5505%	Phosphorus, Total		mg/L	0.83	1.11	-	25.7	34.3
USGS	5439500	4/7/2022	1440	1419.83	0.0037	5.7501	537	4.5505%	Phosphorus, Total		mg/L	0.83	1.11	-	25.7	34.3
USGS	5439500	5/27/1995	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	3/14/2008	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	4/10/2008	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	9/29/2019	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	12/30/2019	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	2/24/2022	1430	1409.83	0.0037	5.7132	542	4.5928%	Phosphorus, Total		mg/L	0.83	1.11	-	25.6	34.1
USGS	5439500	4/29/1995	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	3/4/1997	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	2/24/2000	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	1/8/2008	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	3/6/2011	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	4/25/2013	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	6/21/2018	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	12/5/2018	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	3/17/2019	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	9/22/2019	1420	1399.83	0.0037	5.6763	548	4.6437%	Phosphorus, Total		mg/L	0.83	1.11	-	25.4	33.9
USGS	5439500	11/28/1990	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	6/9/1996	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	3/20/1998	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	2/20/2008	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	1/27/2010	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	6/29/2013	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	5/7/2015	1410	1389.83	0.0037	5.6394	558	4.7284%	Phosphorus, Total		mg/L	0.83	1.11	-	25.2	33.7
USGS	5439500	6/17/1993	1400	1379.83	0.0037	5.6025	565	4.7877%	Phosphorus, Total		mg/L	0.83	1.11	-	25.1	33.4
USGS	5439500	4/10/1998	1400	1379.83	0.0037	5.6025	565	4.7877%	Phosphorus, Total		mg/L	0.83	1.11	-	25.1	33.4
USGS	5439500	6/8/2007	1400	1379.83	0.0037	5.6025	565	4.7877%	Phosphorus, Total		mg/L	0.83	1.11	-	25.1	33.4
USGS	5439500	6/23/2015	1400	1379.83	0.0037	5.6025	565	4.7877%	Phosphorus, Total		mg/L	0.83	1.11	-	25.1	33.4
USGS	5439500	12/2/2015	1400	1379.83	0.0037	5.6025	565	4.7877%	Phosphorus, Total		mg/L	0.83	1.11	-	25.1	33.4
USGS	5439500	4/1/1998	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	9/28/1999	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	12/24/2007	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	4/3/2009	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	5/22/2018	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	2/23/2022	1390	1369.83	0.0037	5.5656	570	4.8301%	Phosphorus, Total		mg/L	0.83	1.11	-	24.9	33.2
USGS	5439500	7/31/1996	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	4/19/1998	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	10/26/2001	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	1/14/2005	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	3/6/2008	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	3/13/2008	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	6/24/2013	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	7/5/2014	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	10/7/2019	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	6/27/2020	1380	1359.83	0.0037	5.5287	576	4.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	24.7	33.0
USGS	5439500	2/9/1991	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	4/2/1998	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	4/27/2007	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	6/9/2011	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	3/15/2014	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	6/25/2018	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	10/2/2019	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	3/11/2020	1370	1349.83	0.0037	5.4918	586	4.9657%	Phosphorus, Total		mg/L	0.83	1.11	-	24.6	32.8
USGS	5439500	2/8/1991	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	4/23/1993	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	5/23/1996	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	2/26/1997	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	10/20/1998	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	6/15/2004	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	12/29/2009	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/30/2015	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	5/24/2019	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	9/24/2019	1360	1339.83	0.0037	5.4549	594	5.0335%	Phosphorus, Total		mg/L	0.83	1.11	-	24.4	32.6
USGS	5439500	5/11/1996	1350	1329.83	0.0037	5.4180	604	5.1182%	Phosphorus, Total		mg/L	0.83	1.11	-	24.3	32.3
USGS	5439500	6/7/1996	1350	1329.83	0.0037	5.4180	604	5.1182%	Phosphorus, Total		mg/L	0.83	1.11	-	24.3	32.3
USGS	5439500	4/27/2009	1350	1329.83	0.0037	5.4180	604	5.1182%	Phosphorus, Total		mg/L	0.83	1.11	-	24.3	32.3
USGS	5439500	12/1/2015	1350	1329.83	0.0037	5.4180	604	5.1182%	Phosphorus, Total		mg/L	0.83	1.11	-	24.3	32.3
USGS	5439500	10/15/2017	1350	1329.83	0.0037	5.4180	604	5.1182%	Phosphorus, Total		mg/L	0.83	1.11	-	24.3	32.3
USGS	5439500	1/29/1999	1340	1319.83	0.0037	5.3811	609	5.1606%	Phosphorus, Total		mg/L	0.83	1.11	-	24.1	32.1
USGS	5439500	12/23/2006	1340	1319.83	0.0037	5.3811	609	5.1606%	Phosphorus, Total		mg/L	0.83	1.11	-	24.1	32.1
USGS	5439500	3/14/2007	1340	1319.83	0.0037	5.3811	609	5.1606%	Phosphorus, Total		mg/L	0.83	1.11	-	24.1	32.1
USGS	5439500	8/31/2007	1340	1319.83	0.0037	5.3811	609	5.1606%	Phosphorus, Total		mg/L	0.83	1.11	-	24.1	32.1
USGS	5439500	4/20/2011	1340	1319.83	0.0037	5.3811	609	5.1606%	Phosphorus, Total		mg/L	0.83	1.11	-	24.1	32.1
USGS	5439500	6/20/1996	1330	1309.83	0.0037	5.3442	614	5.2029%	Phosphorus, Total		mg/L	0.83	1.11	-	23.9	31.9
USGS	5439500	6/12/1999	1330	1309.83	0.0037	5.3442	614	5.2029%	Phosphorus, Total		mg/L	0.83	1.11	-	23.9	31.9
USGS	5439500	3/5/2011	1330	1309.83	0.0037	5.3442	614	5.2029%	Phosphorus, Total		mg/L	0.83	1.11	-	23.9	31.9
USGS	5439500	3/11/2015	1330	1309.83	0.0037	5.3442	614	5.2029%	Phosphorus, Total		mg/L	0.83	1.11	-	23.9	31.9
USGS	5439500	4/8/2017	1330	1309.83	0.0037	5.3442	614	5.2029%	Phosphorus, Total		mg/L	0.83	1.11	-	23.9	31.9
USGS	5439500	3/24/2007	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	4/2/2008	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	3/14/2009	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	3/30/2009	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	6/10/2009	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	5/26/2011	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	5/3/2016	1320	1299.83	0.0037	5.3073	619	5.2453%	Phosphorus, Total		mg/L	0.83	1.11	-	23.8	31.7
USGS	5439500	1/24/1993	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	7/4/2000	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	3/6/2004	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	1/10/2008	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	4/26/2009	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	10/24/2009	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	8/6/2010	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	6/25/2015	1310	1289.83	0.0037	5.2704	626	5.3046%	Phosphorus, Total		mg/L	0.83	1.11	-	23.6	31.5
USGS	5439500	12/17/2011	1300	1279.83	0.0037	5.2335	634	5.3724%	Phosphorus, Total		mg/L	0.83	1.11	-	23.4	31.2
USGS	5439500	12/23/2015	1300	1279.83	0.0037	5.2335	634	5.3724%	Phosphorus, Total		mg/L	0.83	1.11	-	23.4	31.2
USGS	5439500	12/1/1990	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	7/26/1993	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	11/13/1995	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	2/3/1999	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	6/11/1999	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	6/27/2010	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	7/9/2015	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	7/15/2015	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	5/17/2018	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	1/12/2020	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	3/12/2021	1290	1269.83	0.0037	5.1966	636	5.3894%	Phosphorus, Total		mg/L	0.83	1.11	-	23.3	31.0
USGS	5439500	2/24/1994	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	6/5/1996	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	5/15/2011	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	6/30/2013	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	3/19/2014	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	4/5/2017	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	11/3/2019	1280	1259.83	0.0037	5.1597	647	5.4826%	Phosphorus, Total		mg/L	0.83	1.11	-	23.1	30.8
USGS	5439500	4/8/1993	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	6/28/1993	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	4/9/1998	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	7/28/2010	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	3/15/2013	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	12/31/2015	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	5/2/2016	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	5/23/2018	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	5/25/2019	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	5/2/2020	1270	1249.83	0.0037	5.1228	654	5.5419%	Phosphorus, Total		mg/L	0.83	1.11	-	22.9	30.6
USGS	5439500	3/19/1991	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	11/9/1994	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	5/12/1995	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	5/17/2002	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	5/16/2009	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	3/18/2014	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	7/8/2015	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	11/19/2015	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	5/5/2017	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	5/15/2018	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	11/2/2019	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	12/31/2019	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	3/10/2020	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	4/24/2022	1260	1239.83	0.0037	5.0859	664	5.6266%	Phosphorus, Total		mg/L	0.83	1.11	-	22.8	30.4
USGS	5439500	11/11/1995	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	6/5/2004	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	4/14/2008	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	3/20/2014	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	12/3/2015	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	4/3/2017	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	2/26/2018	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	6/2/2019	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	9/15/2019	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	4/8/2022	1250	1229.83	0.0037	5.0490	678	5.7453%	Phosphorus, Total		mg/L	0.83	1.11	-	22.6	30.1
USGS	5439500	5/14/1990	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	7/25/1996	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	6/12/1998	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	6/3/2000	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	3/10/2010	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	4/27/2011	1240	1219.83	0.0037	5.0120	688	5.8300%	Phosphorus, Total		mg/L	0.83	1.11	-	22.4	29.9
USGS	5439500	6/9/2008	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	3/10/2011	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	3/14/2015	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	6/26/2015	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	12/26/2015	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	1/19/2017	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	10/7/2018	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	2/23/2019	1230	1209.83	0.0037	4.9751	694	5.8809%	Phosphorus, Total		mg/L	0.83	1.11	-	22.3	29.7
USGS	5439500	5/19/2004	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	4/28/2007	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	6/10/2008	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	4/28/2009	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	4/7/2010	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	5/18/2010	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	6/25/2013	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	12/18/2015	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	2/3/2016	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	10/8/2018	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	1/8/2019	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	6/30/2021	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	4/23/2022	1220	1199.83	0.0037	4.9382	702	5.9486%	Phosphorus, Total		mg/L	0.83	1.11	-	22.1	29.5
USGS	5439500	3/17/1990	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	6/10/1996	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	2/20/1997	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	6/12/2000	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	5/18/2002	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	7/11/2007	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/8/2009	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	6/10/2018	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	6/30/2018	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	2/4/2019	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	2/26/2019	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	5/25/2020	1210	1189.83	0.0037	4.9013	715	6.0588%	Phosphorus, Total		mg/L	0.83	1.11	-	21.9	29.3
USGS	5439500	4/15/1991	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	6/29/1993	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	4/18/1999	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	6/26/2000	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	2/7/2005	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	1/2/2009	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	5/3/2009	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	4/12/2013	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	6/22/2013	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	6/25/2014	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	12/22/2015	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	5/12/2016	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	5/7/2019	1200	1179.83	0.0037	4.8644	727	6.1605%	Phosphorus, Total		mg/L	0.83	1.11	-	21.8	29.0
USGS	5439500	3/8/1993	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	4/6/1993	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	8/24/1999	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	4/9/2008	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	7/14/2008	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	6/3/2011	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	3/10/2013	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	4/26/2013	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	7/18/2015	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	5/17/2016	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	1/2/2019	1190	1169.83	0.0037	4.8275	740	6.2707%	Phosphorus, Total		mg/L	0.83	1.11	-	21.6	28.8
USGS	5439500	6/24/1993	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	9/27/1993	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	1/14/1995	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	4/12/1995	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	6/17/2000	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	6/6/2001	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	3/15/2008	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	4/10/2015	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	5/12/2015	1180	1159.83	0.0037	4.7906	751	6.3639%	Phosphorus, Total		mg/L	0.83	1.11	-	21.4	28.6
USGS	5439500	12/9/1991	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	7/9/1993	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	6/17/1996	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	6/13/1998	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	5/18/1999	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	5/17/2004	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	2/16/2005	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	1/7/2008	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	5/12/2008	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	6/20/2010	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	6/26/2014	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	4/4/2017	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	9/4/2018	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	10/31/2019	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	3/20/2020	1170	1149.83	0.0037	4.7537	760	6.4401%	Phosphorus, Total		mg/L	0.83	1.11	-	21.3	28.4
USGS	5439500	6/3/1995	1160	1139.83	0.0037	4.7168	775	6.5672%	Phosphorus, Total		mg/L	0.83	1.11	-	21.1	28.2
USGS	5439500	5/17/1999	1160	1139.83	0.0037	4.7168	775	6.5672%	Phosphorus, Total		mg/L	0.83	1.11	-	21.1	28.2
USGS	5439500	4/22/2009	1160	1139.83	0.0037	4.7168	775	6.5672%	Phosphorus, Total		mg/L	0.83	1.11	-	21.1	28.2
USGS	5439500	4/28/2011	1160	1139.83	0.0037	4.7168	775	6.5672%	Phosphorus, Total		mg/L	0.83	1.11	-	21.1	28.2
USGS	5439500	6/24/2015	1160	1139.83	0.0037	4.7168	775	6.5672%	Phosphorus, Total		mg/L	0.83	1.11	-	21.1	28.2
USGS	5439500	1/23/1993	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	6/4/1995	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	8/11/1996	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	1/13/2005	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	6/28/2013	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	3/25/2016	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	3/2/2018	1150	1129.83	0.0037	4.6799	780	6.6096%	Phosphorus, Total		mg/L	0.83	1.11	-	20.9	27.9
USGS	5439500	1/22/1993	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	3/29/1993	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	5/7/1999	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	5/13/2008	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	5/17/2009	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	6/15/2009	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	4/22/2011	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	10/2/2018	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	5/23/2019	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	11/1/2019	1140	1119.83	0.0037	4.6430	787	6.6689%	Phosphorus, Total		mg/L	0.83	1.11	-	20.8	27.7
USGS	5439500	6/13/1993	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	4/13/1995	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	4/20/1998	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	6/10/2002	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	5/14/2004	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	12/14/2006	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	1/11/2008	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	5/14/2009	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	3/16/2010	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	6/19/2010	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	4/23/2011	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	5/28/2011	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	7/1/2013	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	12/27/2016	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	4/2/2020	1130	1109.83	0.0037	4.6061	797	6.7537%	Phosphorus, Total		mg/L	0.83	1.11	-	20.6	27.5
USGS	5439500	5/12/1998	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	11/11/1998	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	3/18/1999	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	5/15/1999	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	2/27/2000	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	3/16/2001	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	4/11/2002	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	4/24/2011	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	11/12/2011	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	11/30/2015	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	5/13/2019	1120	1099.83	0.0037	4.5692	812	6.8808%	Phosphorus, Total		mg/L	0.83	1.11	-	20.5	27.3
USGS	5439500	5/10/1990	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	8/20/1990	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	11/10/1994	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	5/26/1997	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	4/24/1998	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	5/7/1998	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	6/18/1999	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	6/25/2000	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	7/3/2000	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	5/16/2002	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	12/24/2006	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	8/4/2010	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	2/21/2011	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	5/14/2017	1110	1089.83	0.0037	4.5323	823	6.9740%	Phosphorus, Total		mg/L	0.83	1.11	-	20.3	27.0
USGS	5439500	2/2/1999	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	2/4/1999	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	6/7/2001	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	2/14/2009	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/14/2011	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	12/29/2015	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	5/8/2019	1100	1079.83	0.0037	4.4954	837	7.0926%	Phosphorus, Total		mg/L	0.83	1.11	-	20.1	26.8
USGS	5439500	4/11/1998	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	4/16/1999	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	9/30/1999	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	5/10/2003	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	4/29/2009	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	4/8/2010	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	3/16/2013	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	6/30/2014	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	5/8/2015	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	11/20/2015	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	1/21/2017	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	6/13/2018	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	1/1/2019	1090	1069.83	0.0037	4.4585	844	7.1519%	Phosphorus, Total		mg/L	0.83	1.11	-	20.0	26.6
USGS	5439500	3/9/1990	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	5/9/1995	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	6/6/1996	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	2/12/1999	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	3/17/2001	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	5/21/2004	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	12/13/2006	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	3/25/2007	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	12/25/2007	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	6/19/2009	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	3/7/2011	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	3/11/2011	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	9/27/2011	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	5/10/2015	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	10/9/2018	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	11/4/2019	1080	1059.83	0.0037	4.4216	857	7.2621%	Phosphorus, Total		mg/L	0.83	1.11	-	19.8	26.4
USGS	5439500	6/30/1990	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	3/30/1991	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	6/1/1991	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	5/31/1995	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	5/21/1998	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	2/22/2011	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	3/1/2012	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	3/21/2014	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	1/22/2017	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	5/10/2017	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	10/17/2017	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	1/24/2018	1070	1049.83	0.0037	4.3847	873	7.3977%	Phosphorus, Total		mg/L	0.83	1.11	-	19.6	26.2
USGS	5439500	11/30/1991	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	11/23/1992	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	4/24/1993	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	8/1/1996	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	4/3/1998	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	5/13/1998	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	5/11/2003	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	5/28/2004	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	3/27/2009	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	11/3/2009	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	5/11/2015	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	7/10/2015	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	4/6/2022	1060	1039.83	0.0037	4.3478	885	7.4994%	Phosphorus, Total		mg/L	0.83	1.11	-	19.5	25.9
USGS	5439500	12/19/1992	1050	1029.83	0.0037	4.3109	898	7.6095%	Phosphorus, Total		mg/L	0.83	1.11	-	19.3	25.7
USGS	5439500	6/27/1993	1050	1029.83	0.0037	4.3109	898	7.6095%	Phosphorus, Total		mg/L	0.83	1.11	-	19.3	25.7
USGS	5439500	3/29/2004	1050	1029.83	0.0037	4.3109	898	7.6095%	Phosphorus, Total		mg/L	0.83	1.11	-	19.3	25.7
USGS	5439500	12/4/2015	1050	1029.83	0.0037	4.3109	898	7.6095%	Phosphorus, Total		mg/L	0.83	1.11	-	19.3	25.7
USGS	5439500	7/1/2021	1050	1029.83	0.0037	4.3109	898	7.6095%	Phosphorus, Total		mg/L	0.83	1.11	-	19.3	25.7
USGS	5439500	3/20/1991	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	1/25/1993	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	7/25/1993	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	7/27/1993	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	6/11/1996	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	3/21/1998	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	5/1/1999	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	4/23/2000	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	2/14/2001	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	3/6/2007	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	3/2/2009	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	3/15/2009	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	6/14/2011	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	5/5/2015	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	6/27/2015	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	7/13/2015	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	6/26/2018	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	1/9/2019	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	9/16/2019	1040	1019.83	0.0037	4.2740	903	7.6519%	Phosphorus, Total		mg/L	0.83	1.11	-	19.1	25.5
USGS	5439500	4/12/1993	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	7/26/1996	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	3/5/1997	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	1/30/1999	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	3/15/2007	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	6/22/2009	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	12/30/2009	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	3/13/2012	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	5/13/2015	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	1/1/2016	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	5/4/2016	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	11/30/2016	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	2/27/2018	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	3/3/2018	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	3/18/2019	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	10/8/2019	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	6/29/2021	1030	1009.83	0.0037	4.2371	922	7.8129%	Phosphorus, Total		mg/L	0.83	1.11	-	19.0	25.3
USGS	5439500	4/30/1995	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	2/13/1999	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	3/11/2002	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	2/8/2005	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	10/23/2009	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	5/16/2011	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	6/19/2014	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	12/27/2015	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	3/26/2016	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	7/27/2017	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	7/28/2017	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	10/25/2017	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	3/19/2021	1020	999.83	0.0037	4.2002	939	7.9570%	Phosphorus, Total		mg/L	0.83	1.11	-	18.8	25.1
USGS	5439500	3/22/1994	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	3/1/2001	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	4/4/2009	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	7/6/2014	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	12/28/2016	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	5/26/2019	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	6/7/2019	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	3/7/2021	1010	989.83	0.0037	4.1633	952	8.0671%	Phosphorus, Total		mg/L	0.83	1.11	-	18.6	24.8
USGS	5439500	12/10/1991	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/10/1994	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	5/13/1995	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	5/23/1995	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	1/22/1999	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	4/20/2000	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	3/7/2004	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	3/30/2004	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	2/20/2011	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	4/17/2017	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	5/6/2017	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	7/26/2017	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	12/6/2018	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	3/12/2020	1000	979.83	0.0037	4.1264	960	8.1349%	Phosphorus, Total		mg/L	0.83	1.11	-	18.5	24.6
USGS	5439500	2/27/1996	997	976.83	0.0037	4.1153	974	8.2535%	Phosphorus, Total		mg/L	0.83	1.11	-	18.4	24.6
USGS	5439500	2/1/2001	997	976.83	0.0037	4.1153	974	8.2535%	Phosphorus, Total		mg/L	0.83	1.11	-	18.4	24.6
USGS	5439500	6/11/2002	997	976.83	0.0037	4.1153	974	8.2535%	Phosphorus, Total		mg/L	0.83	1.11	-	18.4	24.6
USGS	5439500	12/1/1991	994	973.83	0.0037	4.1042	977	8.2790%	Phosphorus, Total		mg/L	0.83	1.11	-	18.4	24.5
USGS	5439500	1/20/2017	993	972.83	0.0037	4.1006	978	8.2874%	Phosphorus, Total		mg/L	0.83	1.11	-	18.4	24.5
USGS	5439500	1/24/2010	992	971.83	0.0037	4.0969	979	8.2959%	Phosphorus, Total		mg/L	0.83	1.11	-	18.3	24.5
USGS	5439500	3/22/2014	992	971.83	0.0037	4.0969	979	8.2959%	Phosphorus, Total		mg/L	0.83	1.11	-	18.3	24.5
USGS	5439500	1/17/1995	991	970.83	0.0037	4.0932	981	8.3129%	Phosphorus, Total		mg/L	0.83	1.11	-	18.3	24.4
USGS	5439500	6/4/1999	991	970.83	0.0037	4.0932	981	8.3129%	Phosphorus, Total		mg/L	0.83	1.11	-	18.3	24.4
USGS	5439500	7/14/2014	989	968.83	0.0037	4.0858	983	8.3298%	Phosphorus, Total		mg/L	0.83	1.11	-	18.3	24.4
USGS	5439500	7/21/2007	986	965.83	0.0037	4.0747	984	8.3383%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	4/11/2015	986	965.83	0.0037	4.0747	984	8.3383%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	3/30/1993	985	964.83	0.0037	4.0710	986	8.3552%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	1/12/2008	985	964.83	0.0037	4.0710	986	8.3552%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	8/29/2009	985	964.83	0.0037	4.0710	986	8.3552%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	4/15/2008	984	963.83	0.0037	4.0673	989	8.3806%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	5/9/2009	984	963.83	0.0037	4.0673	989	8.3806%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	5/27/2009	984	963.83	0.0037	4.0673	989	8.3806%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	7/16/2015	983	962.83	0.0037	4.0637	992	8.4061%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.3
USGS	5439500	2/15/2001	982	961.83	0.0037	4.0600	993	8.4145%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.2
USGS	5439500	4/7/1993	981	960.83	0.0037	4.0563	994	8.4230%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.2
USGS	5439500	5/28/2009	981	960.83	0.0037	4.0563	994	8.4230%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.2
USGS	5439500	4/27/2013	981	960.83	0.0037	4.0563	994	8.4230%	Phosphorus, Total		mg/L	0.83	1.11	-	18.2	24.2
USGS	5439500	2/4/2016	980	959.83	0.0037	4.0526	997	8.4484%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.2
USGS	5439500	1/31/2001	978	957.83	0.0037	4.0452	998	8.4569%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	9/26/1993	977	956.83	0.0037	4.0415	999	8.4654%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	5/12/1999	977	956.83	0.0037	4.0415	999	8.4654%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	5/23/2011	976	955.83	0.0037	4.0378	1001	8.4823%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	1/10/2016	976	955.83	0.0037	4.0378	1001	8.4823%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	4/9/2017	975	954.83	0.0037	4.0341	1003	8.4993%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	3/21/2020	975	954.83	0.0037	4.0341	1003	8.4993%	Phosphorus, Total		mg/L	0.83	1.11	-	18.1	24.1
USGS	5439500	4/26/2011	974	953.83	0.0037	4.0304	1005	8.5162%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	24.1
USGS	5439500	3/9/1998	973	952.83	0.0037	4.0268	1006	8.5247%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	24.0
USGS	5439500	5/14/2003	973	952.83	0.0037	4.0268	1006	8.5247%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	24.0
USGS	5439500	12/22/2006	972	951.83	0.0037	4.0231	1008	8.5416%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	24.0
USGS	5439500	3/18/2001	969	948.83	0.0037	4.0120	1009	8.5501%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	23.9
USGS	5439500	4/6/2010	969	948.83	0.0037	4.0120	1009	8.5501%	Phosphorus, Total		mg/L	0.83	1.11	-	18.0	23.9
USGS	5439500	6/25/1996	967	946.83	0.0037	4.0046	1011	8.5671%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	4/26/2007	967	946.83	0.0037	4.0046	1011	8.5671%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	12/23/2007	967	946.83	0.0037	4.0046	1011	8.5671%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	4/3/2008	966	945.83	0.0037	4.0009	1014	8.5925%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	1/28/2010	965	944.83	0.0037	3.9972	1015	8.6010%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	2/10/2019	965	944.83	0.0037	3.9972	1015	8.6010%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.9
USGS	5439500	5/12/1996	964	943.83	0.0037	3.9935	1017	8.6179%	Phosphorus, Total		mg/L	0.83	1.11	-	17.9	23.8
USGS	5439500	11/24/1992	962	941.83	0.0037	3.9862	1018	8.6264%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.8
USGS	5439500	3/12/2008	962	941.83	0.0037	3.9862	1018	8.6264%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.8
USGS	5439500	5/26/2020	961	940.83	0.0037	3.9825	1020	8.6433%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.8
USGS	5439500	6/2/1991	958	937.83	0.0037	3.9714	1021	8.6518%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	5/12/2010	958	937.83	0.0037	3.9714	1021	8.6518%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	12/19/2015	958	937.83	0.0037	3.9714	1021	8.6518%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	4/18/1991	957	936.83	0.0037	3.9677	1024	8.6772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	4/26/1998	957	936.83	0.0037	3.9677	1024	8.6772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	5/15/2009	957	936.83	0.0037	3.9677	1024	8.6772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.8	23.7
USGS	5439500	2/25/1994	955	934.83	0.0037	3.9603	1027	8.7027%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.6
USGS	5439500	2/23/2011	953	932.83	0.0037	3.9529	1028	8.7111%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.6
USGS	5439500	1/13/2020	953	932.83	0.0037	3.9529	1028	8.7111%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.6
USGS	5439500	7/20/2007	952	931.83	0.0037	3.9493	1030	8.7281%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.6
USGS	5439500	5/9/2015	952	931.83	0.0037	3.9493	1030	8.7281%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.6
USGS	5439500	11/26/1992	951	930.83	0.0037	3.9456	1032	8.7450%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.5
USGS	5439500	6/16/2004	951	930.83	0.0037	3.9456	1032	8.7450%	Phosphorus, Total		mg/L	0.83	1.11	-	17.7	23.5
USGS	5439500	7/5/2000	950	929.83	0.0037	3.9419	1034	8.7620%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.5
USGS	5439500	6/13/2009	950	929.83	0.0037	3.9419	1034	8.7620%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.5
USGS	5439500	1/23/2018	950	929.83	0.0037	3.9419	1034	8.7620%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.5
USGS	5439500	1/11/2020	950	929.83	0.0037	3.9419	1034	8.7620%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.5
USGS	5439500	5/31/2018	949	928.83	0.0037	3.9382	1038	8.7959%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.5
USGS	5439500	3/18/1991	946	925.83	0.0037	3.9271	1039	8.8043%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.4
USGS	5439500	6/29/2010	946	925.83	0.0037	3.9271	1039	8.8043%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.4
USGS	5439500	6/6/2004	945	924.83	0.0037	3.9234	1041	8.8213%	Phosphorus, Total		mg/L	0.83	1.11	-	17.6	23.4
USGS	5439500	4/29/2020	944	923.83	0.0037	3.9197	1042	8.8298%	Phosphorus, Total		mg/L	0.83	1.11	-	17.5	23.4
USGS	5439500	1/31/1999	943	922.83	0.0037	3.9160	1043	8.8382%	Phosphorus, Total		mg/L	0.83	1.11	-	17.5	23.4
USGS	5439500	7/23/1993	942	921.83	0.0037	3.9124	1044	8.8467%	Phosphorus, Total		mg/L	0.83	1.11	-	17.5	23.3
USGS	5439500	3/19/2001	941	920.83	0.0037	3.9087	1045	8.8552%	Phosphorus, Total		mg/L	0.83	1.11	-	17.5	23.3
USGS	5439500	6/26/2010	940	919.83	0.0037	3.9050	1046	8.8637%	Phosphorus, Total		mg/L	0.83	1.11	-	17.5	23.3
USGS	5439500	5/19/2000	938	917.83	0.0037	3.8976	1047	8.8721%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.3
USGS	5439500	5/14/1995	937	916.83	0.0037	3.8939	1048	8.8806%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	10/27/2009	937	916.83	0.0037	3.8939	1048	8.8806%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	3/9/2011	937	916.83	0.0037	3.8939	1048	8.8806%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	6/24/1994	936	915.83	0.0037	3.8902	1051	8.9060%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	12/24/2008	935	914.83	0.0037	3.8865	1052	8.9145%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	3/7/2009	935	914.83	0.0037	3.8865	1052	8.9145%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	3/27/2004	934	913.83	0.0037	3.8828	1054	8.9314%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	12/18/2011	933	912.83	0.0037	3.8791	1055	8.9399%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	6/30/2017	933	912.83	0.0037	3.8791	1055	8.9399%	Phosphorus, Total		mg/L	0.83	1.11	-	17.4	23.2
USGS	5439500	3/31/2008	932	911.83	0.0037	3.8755	1057	8.9569%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	5/7/2009	932	911.83	0.0037	3.8755	1057	8.9569%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	3/17/2010	932	911.83	0.0037	3.8755	1057	8.9569%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	4/29/2011	931	910.83	0.0037	3.8718	1060	8.9823%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	9/1/2007	930	909.83	0.0037	3.8681	1061	8.9908%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	5/19/2010	930	909.83	0.0037	3.8681	1061	8.9908%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.1
USGS	5439500	2/21/2008	928	907.83	0.0037	3.8607	1063	9.0077%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.0
USGS	5439500	5/4/2018	927	906.83	0.0037	3.8570	1064	9.0162%	Phosphorus, Total		mg/L	0.83	1.11	-	17.3	23.0
USGS	5439500	4/27/1998	926	905.83	0.0037	3.8533	1065	9.0247%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	2/19/2011	926	905.83	0.0037	3.8533	1065	9.0247%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	5/15/1990	925	904.83	0.0037	3.8496	1067	9.0416%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	1/2/1993	925	904.83	0.0037	3.8496	1067	9.0416%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	12/8/1998	925	904.83	0.0037	3.8496	1067	9.0416%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	5/18/2016	924	903.83	0.0037	3.8459	1070	9.0670%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	23.0
USGS	5439500	10/26/2017	923	902.83	0.0037	3.8422	1071	9.0755%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	22.9
USGS	5439500	6/3/2019	923	902.83	0.0037	3.8422	1071	9.0755%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	22.9
USGS	5439500	4/3/2020	923	902.83	0.0037	3.8422	1071	9.0755%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	22.9
USGS	5439500	10/27/2001	921	900.83	0.0037	3.8349	1074	9.1009%	Phosphorus, Total		mg/L	0.83	1.11	-	17.2	22.9
USGS	5439500	6/11/2008	919	898.83	0.0037	3.8275	1075	9.1094%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	11/29/2016	919	898.83	0.0037	3.8275	1075	9.1094%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	5/28/2019	919	898.83	0.0037	3.8275	1075	9.1094%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	7/28/1996	918	897.83	0.0037	3.8238	1078	9.1348%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	12/28/2015	918	897.83	0.0037	3.8238	1078	9.1348%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	10/25/2009	917	896.83	0.0037	3.8201	1080	9.1518%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/30/2017	916	895.83	0.0037	3.8164	1081	9.1602%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	5/19/1999	915	894.83	0.0037	3.8127	1082	9.1687%	Phosphorus, Total		mg/L	0.83	1.11	-	17.1	22.8
USGS	5439500	8/12/1996	914	893.83	0.0037	3.8090	1083	9.1772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	12/25/2008	914	893.83	0.0037	3.8090	1083	9.1772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	9/28/2011	914	893.83	0.0037	3.8090	1083	9.1772%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	2/13/1998	913	892.83	0.0037	3.8053	1086	9.2026%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	3/16/2009	913	892.83	0.0037	3.8053	1086	9.2026%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	5/14/2019	912	891.83	0.0037	3.8016	1088	9.2196%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	8/19/1990	911	890.83	0.0037	3.7980	1089	9.2280%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	4/23/2009	911	890.83	0.0037	3.7980	1089	9.2280%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.7
USGS	5439500	11/11/1994	909	888.83	0.0037	3.7906	1091	9.2450%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.6
USGS	5439500	4/25/1998	909	888.83	0.0037	3.7906	1091	9.2450%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.6
USGS	5439500	2/28/2018	909	888.83	0.0037	3.7906	1091	9.2450%	Phosphorus, Total		mg/L	0.83	1.11	-	17.0	22.6
USGS	5439500	6/12/1996	907	886.83	0.0037	3.7832	1094	9.2704%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	6/21/1996	907	886.83	0.0037	3.7832	1094	9.2704%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	5/19/2002	907	886.83	0.0037	3.7832	1094	9.2704%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	3/26/2004	907	886.83	0.0037	3.7832	1094	9.2704%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	4/10/2017	907	886.83	0.0037	3.7832	1094	9.2704%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	3/2/1991	906	885.83	0.0037	3.7795	1099	9.3128%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.6
USGS	5439500	6/25/1993	905	884.83	0.0037	3.7758	1100	9.3212%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	12/15/2006	905	884.83	0.0037	3.7758	1100	9.3212%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	5/4/2009	905	884.83	0.0037	3.7758	1100	9.3212%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	6/4/2019	905	884.83	0.0037	3.7758	1100	9.3212%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	2/1/1999	904	883.83	0.0037	3.7721	1104	9.3551%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	3/19/1999	904	883.83	0.0037	3.7721	1104	9.3551%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	3/13/2021	904	883.83	0.0037	3.7721	1104	9.3551%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	4/25/2011	902	881.83	0.0037	3.7647	1107	9.3806%	Phosphorus, Total		mg/L	0.83	1.11	-	16.9	22.5
USGS	5439500	12/11/1991	900	879.83	0.0037	3.7574	1108	9.3890%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	6/12/2002	900	879.83	0.0037	3.7574	1108	9.3890%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	3/12/2012	900	879.83	0.0037	3.7574	1108	9.3890%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	11/27/1992	898	877.83	0.0037	3.7500	1111	9.4145%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	12/26/2008	898	877.83	0.0037	3.7500	1111	9.4145%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	3/1/2018	898	877.83	0.0037	3.7500	1111	9.4145%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	5/19/2019	897	876.83	0.0037	3.7463	1114	9.4399%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.4
USGS	5439500	3/5/2004	896	875.83	0.0037	3.7426	1115	9.4484%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.3
USGS	5439500	3/12/2011	896	875.83	0.0037	3.7426	1115	9.4484%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.3
USGS	5439500	3/17/2016	896	875.83	0.0037	3.7426	1115	9.4484%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.3
USGS	5439500	9/25/2019	896	875.83	0.0037	3.7426	1115	9.4484%	Phosphorus, Total		mg/L	0.83	1.11	-	16.8	22.3
USGS	5439500	4/29/2007	895	874.83	0.0037	3.7389	1119	9.4822%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.3
USGS	5439500	5/11/2016	895	874.83	0.0037	3.7389	1119	9.4822%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.3
USGS	5439500	3/3/1991	894	873.83	0.0037	3.7352	1121	9.4992%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.3
USGS	5439500	1/3/2009	894	873.83	0.0037	3.7352	1121	9.4992%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.3
USGS	5439500	5/20/2004	893	872.83	0.0037	3.7315	1123	9.5161%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.3
USGS	5439500	6/28/1994	892	871.83	0.0037	3.7278	1124	9.5246%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.2
USGS	5439500	7/27/1996	891	870.83	0.0037	3.7242	1125	9.5331%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.2
USGS	5439500	2/12/1998	891	870.83	0.0037	3.7242	1125	9.5331%	Phosphorus, Total		mg/L	0.83	1.11	-	16.7	22.2
USGS	5439500	4/4/2008	889	868.83	0.0037	3.7168	1127	9.5500%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.2
USGS	5439500	5/5/1993	888	867.83	0.0037	3.7131	1128	9.5585%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.2
USGS	5439500	5/30/1991	887	866.83	0.0037	3.7094	1129	9.5670%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	7/19/2015	887	866.83	0.0037	3.7094	1129	9.5670%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	12/5/2015	887	866.83	0.0037	3.7094	1129	9.5670%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	5/6/1999	884	863.83	0.0037	3.6983	1132	9.5924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	7/7/2015	884	863.83	0.0037	3.6983	1132	9.5924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	1/23/2017	884	863.83	0.0037	3.6983	1132	9.5924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	5/14/2020	884	863.83	0.0037	3.6983	1132	9.5924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	2/25/2022	884	863.83	0.0037	3.6983	1132	9.5924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.6	22.1
USGS	5439500	4/14/1995	883	862.83	0.0037	3.6946	1137	9.6348%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.1
USGS	5439500	4/12/2001	883	862.83	0.0037	3.6946	1137	9.6348%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.1
USGS	5439500	6/28/2015	883	862.83	0.0037	3.6946	1137	9.6348%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.1
USGS	5439500	5/8/2009	882	861.83	0.0037	3.6909	1140	9.6602%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	6/11/2009	882	861.83	0.0037	3.6909	1140	9.6602%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	11/14/1995	881	860.83	0.0037	3.6872	1142	9.6771%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	12/1/2006	881	860.83	0.0037	3.6872	1142	9.6771%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	11/5/2019	881	860.83	0.0037	3.6872	1142	9.6771%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	5/3/2020	880	859.83	0.0037	3.6836	1145	9.7026%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	22.0
USGS	5439500	3/18/1990	878	857.83	0.0037	3.6762	1146	9.7110%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	21.9
USGS	5439500	6/5/1995	878	857.83	0.0037	3.6762	1146	9.7110%	Phosphorus, Total		mg/L	0.83	1.11	-	16.5	21.9
USGS	5439500	3/29/2009	876	855.83	0.0037	3.6688	1148	9.7280%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	1/3/2019	876	855.83	0.0037	3.6688	1148	9.7280%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	3/20/2001	875	854.83	0.0037	3.6651	1150	9.7449%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	9/21/2008	875	854.83	0.0037	3.6651	1150	9.7449%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	7/12/2007	874	853.83	0.0037	3.6614	1152	9.7619%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	4/9/2022	874	853.83	0.0037	3.6614	1152	9.7619%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.9
USGS	5439500	2/5/1999	872	851.83	0.0037	3.6540	1154	9.7788%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.8
USGS	5439500	6/19/1999	872	851.83	0.0037	3.6540	1154	9.7788%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.8
USGS	5439500	4/13/2013	872	851.83	0.0037	3.6540	1154	9.7788%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.8
USGS	5439500	1/1/2020	872	851.83	0.0037	3.6540	1154	9.7788%	Phosphorus, Total		mg/L	0.83	1.11	-	16.4	21.8
USGS	5439500	6/4/2011	871	850.83	0.0037	3.6503	1158	9.8127%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.8
USGS	5439500	3/16/2016	871	850.83	0.0037	3.6503	1158	9.8127%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.8
USGS	5439500	5/20/2019	870	849.83	0.0037	3.6467	1160	9.8297%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.8
USGS	5439500	7/4/1993	869	848.83	0.0037	3.6430	1161	9.8381%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	6/15/2011	869	848.83	0.0037	3.6430	1161	9.8381%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	1/8/1993	868	847.83	0.0037	3.6393	1163	9.8551%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	11/22/2019	868	847.83	0.0037	3.6393	1163	9.8551%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	4/19/1999	867	846.83	0.0037	3.6356	1165	9.8720%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	3/26/2007	867	846.83	0.0037	3.6356	1165	9.8720%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	3/17/2009	867	846.83	0.0037	3.6356	1165	9.8720%	Phosphorus, Total		mg/L	0.83	1.11	-	16.3	21.7
USGS	5439500	3/17/2013	863	842.83	0.0037	3.6208	1168	9.8975%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.6
USGS	5439500	11/13/2011	862	841.83	0.0037	3.6171	1169	9.9059%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.6
USGS	5439500	12/21/2015	862	841.83	0.0037	3.6171	1169	9.9059%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.6
USGS	5439500	5/16/1999	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	8/10/2007	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	6/27/2014	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	5/30/2016	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	5/15/2017	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	6/20/2018	860	839.83	0.0037	3.6098	1171	9.9229%	Phosphorus, Total		mg/L	0.83	1.11	-	16.2	21.5
USGS	5439500	5/2/1999	859	838.83	0.0037	3.6061	1177	9.9737%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	5/8/1999	858	837.83	0.0037	3.6024	1178	9.9822%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	7/7/2014	858	837.83	0.0037	3.6024	1178	9.9822%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	5/18/2009	857	836.83	0.0037	3.5987	1180	9.9992%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	6/16/2016	857	836.83	0.0037	3.5987	1180	9.9992%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	6/18/2000	856	835.83	0.0037	3.5950	1182	10.0161%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	2/16/2001	856	835.83	0.0037	3.5950	1182	10.0161%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	3/6/2021	856	835.83	0.0037	3.5950	1182	10.0161%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.5
USGS	5439500	3/8/2011	855	834.83	0.0037	3.5913	1185	10.0415%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.4
USGS	5439500	6/25/2010	854	833.83	0.0037	3.5876	1186	10.0500%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.4
USGS	5439500	8/7/2010	854	833.83	0.0037	3.5876	1186	10.0500%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.4
USGS	5439500	6/14/2017	854	833.83	0.0037	3.5876	1186	10.0500%	Phosphorus, Total		mg/L	0.83	1.11	-	16.1	21.4
USGS	5439500	5/6/2003	853	832.83	0.0037	3.5839	1189	10.0754%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	1/11/2016	853	832.83	0.0037	3.5839	1189	10.0754%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	4/25/1993	852	831.83	0.0037	3.5802	1191	10.0924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	12/31/2009	852	831.83	0.0037	3.5802	1191	10.0924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	4/11/2013	852	831.83	0.0037	3.5802	1191	10.0924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	1/2/2016	852	831.83	0.0037	3.5802	1191	10.0924%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.4
USGS	5439500	4/30/1993	851	830.83	0.0037	3.5765	1195	10.1263%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	4/9/2010	851	830.83	0.0037	3.5765	1195	10.1263%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	6/21/2010	851	830.83	0.0037	3.5765	1195	10.1263%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	6/1/1995	850	829.83	0.0037	3.5729	1198	10.1517%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	10/26/2009	850	829.83	0.0037	3.5729	1198	10.1517%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	6/14/2015	850	829.83	0.0037	3.5729	1198	10.1517%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/29/2010	849	828.83	0.0037	3.5692	1201	10.1771%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	4/28/2013	849	828.83	0.0037	3.5692	1201	10.1771%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	3/2/2012	848	827.83	0.0037	3.5655	1203	10.1941%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	3/19/2019	848	827.83	0.0037	3.5655	1203	10.1941%	Phosphorus, Total		mg/L	0.83	1.11	-	16.0	21.3
USGS	5439500	3/18/1998	846	825.83	0.0037	3.5581	1205	10.2110%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	6/23/2009	846	825.83	0.0037	3.5581	1205	10.2110%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	5/14/1998	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	8/23/2002	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	5/15/2003	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	3/7/2008	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	4/11/2017	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	5/27/2019	845	824.83	0.0037	3.5544	1207	10.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	10/9/2019	844	823.83	0.0037	3.5507	1213	10.2788%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.2
USGS	5439500	5/14/2008	842	821.83	0.0037	3.5433	1214	10.2873%	Phosphorus, Total		mg/L	0.83	1.11	-	15.9	21.1
USGS	5439500	4/12/1998	841	820.83	0.0037	3.5396	1215	10.2957%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	5/5/2016	841	820.83	0.0037	3.5396	1215	10.2957%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	2/18/1997	840	819.83	0.0037	3.5359	1217	10.3127%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	1/7/1998	840	819.83	0.0037	3.5359	1217	10.3127%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	1/8/1998	840	819.83	0.0037	3.5359	1217	10.3127%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	3/16/2008	840	819.83	0.0037	3.5359	1217	10.3127%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	5/14/2015	840	819.83	0.0037	3.5359	1217	10.3127%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	3/9/1993	839	818.83	0.0037	3.5323	1222	10.3551%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	6/27/2000	839	818.83	0.0037	3.5323	1222	10.3551%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	4/4/1998	838	817.83	0.0037	3.5286	1224	10.3720%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	1/13/2008	838	817.83	0.0037	3.5286	1224	10.3720%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	5/27/2020	838	817.83	0.0037	3.5286	1224	10.3720%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.1
USGS	5439500	9/28/1993	836	815.83	0.0037	3.5212	1227	10.3974%	Phosphorus, Total		mg/L	0.83	1.11	-	15.8	21.0
USGS	5439500	12/23/2008	835	814.83	0.0037	3.5175	1228	10.4059%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	7/8/2014	835	814.83	0.0037	3.5175	1228	10.4059%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	11/18/2015	835	814.83	0.0037	3.5175	1228	10.4059%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	2/6/1993	834	813.83	0.0037	3.5138	1231	10.4313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	3/9/2007	834	813.83	0.0037	3.5138	1231	10.4313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	3/15/2015	834	813.83	0.0037	3.5138	1231	10.4313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	3/25/2022	834	813.83	0.0037	3.5138	1231	10.4313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	21.0
USGS	5439500	8/2/1996	833	812.83	0.0037	3.5101	1235	10.4652%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	7/2/2013	833	812.83	0.0037	3.5101	1235	10.4652%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	4/15/2022	833	812.83	0.0037	3.5101	1235	10.4652%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	2/6/2005	832	811.83	0.0037	3.5064	1238	10.4906%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	5/24/2018	832	811.83	0.0037	3.5064	1238	10.4906%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	1/15/2005	830	809.83	0.0037	3.4990	1240	10.5076%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	4/5/2009	830	809.83	0.0037	3.4990	1240	10.5076%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	5/7/2017	830	809.83	0.0037	3.4990	1240	10.5076%	Phosphorus, Total		mg/L	0.83	1.11	-	15.7	20.9
USGS	5439500	10/10/2018	829	808.83	0.0037	3.4954	1243	10.5330%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.9
USGS	5439500	6/2/1995	828	807.83	0.0037	3.4917	1244	10.5415%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	4/16/2008	828	807.83	0.0037	3.4917	1244	10.5415%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	5/6/1993	826	805.83	0.0037	3.4843	1246	10.5584%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	6/14/1998	826	805.83	0.0037	3.4843	1246	10.5584%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	5/2/2003	826	805.83	0.0037	3.4843	1246	10.5584%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	5/4/1993	825	804.83	0.0037	3.4806	1249	10.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	5/1/1995	825	804.83	0.0037	3.4806	1249	10.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	3/6/1997	825	804.83	0.0037	3.4806	1249	10.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	3/2/2011	825	804.83	0.0037	3.4806	1249	10.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	6/19/2018	825	804.83	0.0037	3.4806	1249	10.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	6/12/2014	824	803.83	0.0037	3.4769	1254	10.6262%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	10/12/2019	824	803.83	0.0037	3.4769	1254	10.6262%	Phosphorus, Total		mg/L	0.83	1.11	-	15.6	20.8
USGS	5439500	5/13/2011	823	802.83	0.0037	3.4732	1256	10.6432%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	2/17/2005	822	801.83	0.0037	3.4695	1257	10.6516%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	1/9/2016	822	801.83	0.0037	3.4695	1257	10.6516%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	4/13/1993	821	800.83	0.0037	3.4658	1259	10.6686%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	2/17/2008	821	800.83	0.0037	3.4658	1259	10.6686%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	6/4/2000	820	799.83	0.0037	3.4621	1261	10.6855%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.7
USGS	5439500	6/17/1990	819	798.83	0.0037	3.4585	1262	10.6940%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.6
USGS	5439500	2/7/2009	819	798.83	0.0037	3.4585	1262	10.6940%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.6
USGS	5439500	12/5/2011	819	798.83	0.0037	3.4585	1262	10.6940%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.6
USGS	5439500	2/2/2001	818	797.83	0.0037	3.4548	1265	10.7194%	Phosphorus, Total		mg/L	0.83	1.11	-	15.5	20.6
USGS	5439500	11/6/1990	817	796.83	0.0037	3.4511	1266	10.7279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	3/25/2021	817	796.83	0.0037	3.4511	1266	10.7279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	4/14/2022	817	796.83	0.0037	3.4511	1266	10.7279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	5/23/1991	816	795.83	0.0037	3.4474	1269	10.7533%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	11/4/2009	816	795.83	0.0037	3.4474	1269	10.7533%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	3/9/2010	815	794.83	0.0037	3.4437	1271	10.7703%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.6
USGS	5439500	2/27/1994	814	793.83	0.0037	3.4400	1272	10.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	3/18/2009	814	793.83	0.0037	3.4400	1272	10.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	7/12/2017	814	793.83	0.0037	3.4400	1272	10.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	5/18/2019	814	793.83	0.0037	3.4400	1272	10.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	3/2/2001	813	792.83	0.0037	3.4363	1276	10.8126%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	7/13/2017	813	792.83	0.0037	3.4363	1276	10.8126%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	5/9/1997	812	791.83	0.0037	3.4326	1278	10.8296%	Phosphorus, Total		mg/L	0.83	1.11	-	15.4	20.5
USGS	5439500	2/4/2020	811	790.83	0.0037	3.4289	1279	10.8381%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.5
USGS	5439500	9/21/2001	810	789.83	0.0037	3.4252	1280	10.8465%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	3/28/2009	810	789.83	0.0037	3.4252	1280	10.8465%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	6/24/1996	809	788.83	0.0037	3.4216	1282	10.8635%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	6/11/2006	809	788.83	0.0037	3.4216	1282	10.8635%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	11/27/2009	809	788.83	0.0037	3.4216	1282	10.8635%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	6/29/1990	808	787.83	0.0037	3.4179	1285	10.8889%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	5/29/2004	808	787.83	0.0037	3.4179	1285	10.8889%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	6/8/2019	808	787.83	0.0037	3.4179	1285	10.8889%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	3/31/2004	807	786.83	0.0037	3.4142	1288	10.9143%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	3/10/1998	806	785.83	0.0037	3.4105	1289	10.9228%	Phosphorus, Total		mg/L	0.83	1.11	-	15.3	20.4
USGS	5439500	11/12/1998	805	784.83	0.0037	3.4068	1290	10.9313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	5/22/2019	805	784.83	0.0037	3.4068	1290	10.9313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	3/18/2021	805	784.83	0.0037	3.4068	1290	10.9313%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	3/27/2016	804	783.83	0.0037	3.4031	1293	10.9567%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	3/4/2018	804	783.83	0.0037	3.4031	1293	10.9567%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	5/28/2020	804	783.83	0.0037	3.4031	1293	10.9567%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	2/28/2000	803	782.83	0.0037	3.3994	1296	10.9821%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	4/24/2000	803	782.83	0.0037	3.3994	1296	10.9821%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	5/28/2015	803	782.83	0.0037	3.3994	1296	10.9821%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	11/21/2015	803	782.83	0.0037	3.3994	1296	10.9821%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	3/18/2010	802	781.83	0.0037	3.3957	1300	11.0160%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	7/13/2014	802	781.83	0.0037	3.3957	1300	11.0160%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	5/9/2017	802	781.83	0.0037	3.3957	1300	11.0160%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	7/1/2018	802	781.83	0.0037	3.3957	1300	11.0160%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.3
USGS	5439500	11/13/1992	801	780.83	0.0037	3.3920	1304	11.0499%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	4/12/2002	801	780.83	0.0037	3.3920	1304	11.0499%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	12/11/2003	801	780.83	0.0037	3.3920	1304	11.0499%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	6/24/2010	801	780.83	0.0037	3.3920	1304	11.0499%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	6/29/2015	801	780.83	0.0037	3.3920	1304	11.0499%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	4/13/2001	800	779.83	0.0037	3.3883	1309	11.0923%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	6/16/2009	799	778.83	0.0037	3.3846	1310	11.1008%	Phosphorus, Total		mg/L	0.83	1.11	-	15.2	20.2
USGS	5439500	3/16/2007	798	777.83	0.0037	3.3810	1311	11.1092%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.2
USGS	5439500	2/15/2009	797	776.83	0.0037	3.3773	1312	11.1177%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.2
USGS	5439500	12/20/2015	797	776.83	0.0037	3.3773	1312	11.1177%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.2
USGS	5439500	5/18/2018	797	776.83	0.0037	3.3773	1312	11.1177%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.2
USGS	5439500	3/21/2001	796	775.83	0.0037	3.3736	1315	11.1431%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	6/16/2011	796	775.83	0.0037	3.3736	1315	11.1431%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	7/2/2021	796	775.83	0.0037	3.3736	1315	11.1431%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	9/17/2019	795	774.83	0.0037	3.3699	1318	11.1685%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	5/1/1993	794	773.83	0.0037	3.3662	1319	11.1770%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	4/11/1995	794	773.83	0.0037	3.3662	1319	11.1770%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/22/1998	794	773.83	0.0037	3.3662	1319	11.1770%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	4/5/2022	794	773.83	0.0037	3.3662	1319	11.1770%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	6/26/1993	793	772.83	0.0037	3.3625	1323	11.2109%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	10/3/2018	793	772.83	0.0037	3.3625	1323	11.2109%	Phosphorus, Total		mg/L	0.83	1.11	-	15.1	20.1
USGS	5439500	11/26/2015	791	770.83	0.0037	3.3551	1325	11.2279%	Phosphorus, Total		mg/L	0.83	1.11	-	15.0	20.0
USGS	5439500	10/21/1998	790	769.83	0.0037	3.3514	1326	11.2363%	Phosphorus, Total		mg/L	0.83	1.11	-	15.0	20.0
USGS	5439500	6/8/2001	789	768.83	0.0037	3.3477	1327	11.2448%	Phosphorus, Total		mg/L	0.83	1.11	-	15.0	20.0
USGS	5439500	12/2/1990	787	766.83	0.0037	3.3404	1328	11.2533%	Phosphorus, Total		mg/L	0.83	1.11	-	15.0	19.9
USGS	5439500	1/6/2008	786	765.83	0.0037	3.3367	1329	11.2618%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	4/24/2009	786	765.83	0.0037	3.3367	1329	11.2618%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	4/16/2017	786	765.83	0.0037	3.3367	1329	11.2618%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	12/25/2006	785	764.83	0.0037	3.3330	1332	11.2872%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	5/15/2019	785	764.83	0.0037	3.3330	1332	11.2872%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	12/6/2015	784	763.83	0.0037	3.3293	1334	11.3041%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	4/18/2017	784	763.83	0.0037	3.3293	1334	11.3041%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.9
USGS	5439500	12/7/2018	783	762.83	0.0037	3.3256	1336	11.3211%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	3/23/1994	782	761.83	0.0037	3.3219	1337	11.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	9/23/2000	782	761.83	0.0037	3.3219	1337	11.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	4/30/2011	782	761.83	0.0037	3.3219	1337	11.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	3/23/2014	782	761.83	0.0037	3.3219	1337	11.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	5/15/1995	781	760.83	0.0037	3.3182	1341	11.3634%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	4/28/1998	781	760.83	0.0037	3.3182	1341	11.3634%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	2/21/2002	781	760.83	0.0037	3.3182	1341	11.3634%	Phosphorus, Total		mg/L	0.83	1.11	-	14.9	19.8
USGS	5439500	12/7/1998	780	759.83	0.0037	3.3145	1344	11.3889%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.8
USGS	5439500	4/1/2016	780	759.83	0.0037	3.3145	1344	11.3889%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.8
USGS	5439500	4/4/2020	780	759.83	0.0037	3.3145	1344	11.3889%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.8
USGS	5439500	3/28/2004	779	758.83	0.0037	3.3108	1347	11.4143%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.8
USGS	5439500	12/19/2011	777	756.83	0.0037	3.3035	1348	11.4228%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	5/17/2019	777	756.83	0.0037	3.3035	1348	11.4228%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	1/12/2016	776	755.83	0.0037	3.2998	1350	11.4397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	5/19/2016	776	755.83	0.0037	3.2998	1350	11.4397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	3/13/2020	776	755.83	0.0037	3.2998	1350	11.4397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	3/20/2021	776	755.83	0.0037	3.2998	1350	11.4397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	5/3/2013	775	754.83	0.0037	3.2961	1354	11.4736%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	6/30/2015	775	754.83	0.0037	3.2961	1354	11.4736%	Phosphorus, Total		mg/L	0.83	1.11	-	14.8	19.7
USGS	5439500	12/26/2007	774	753.83	0.0037	3.2924	1356	11.4906%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	4/5/2008	773	752.83	0.0037	3.2887	1357	11.4990%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	7/29/2017	773	752.83	0.0037	3.2887	1357	11.4990%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	5/20/2010	772	751.83	0.0037	3.2850	1359	11.5160%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	2/5/2020	772	751.83	0.0037	3.2850	1359	11.5160%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	3/5/2021	772	751.83	0.0037	3.2850	1359	11.5160%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	5/20/1990	771	750.83	0.0037	3.2813	1362	11.5414%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	6/11/2004	771	750.83	0.0037	3.2813	1362	11.5414%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	10/11/2019	771	750.83	0.0037	3.2813	1362	11.5414%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	12/13/1991	770	749.83	0.0037	3.2776	1365	11.5668%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	5/10/2009	770	749.83	0.0037	3.2776	1365	11.5668%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.6
USGS	5439500	7/1/1990	769	748.83	0.0037	3.2739	1367	11.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.5
USGS	5439500	6/5/1999	769	748.83	0.0037	3.2739	1367	11.5838%	Phosphorus, Total		mg/L	0.83	1.11	-	14.7	19.5
USGS	5439500	2/22/2008	767	746.83	0.0037	3.2666	1369	11.6007%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.5
USGS	5439500	10/28/2009	767	746.83	0.0037	3.2666	1369	11.6007%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.5
USGS	5439500	5/27/2015	767	746.83	0.0037	3.2666	1369	11.6007%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.5
USGS	5439500	6/1/2000	764	743.83	0.0037	3.2555	1372	11.6261%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.4
USGS	5439500	3/1/2007	763	742.83	0.0037	3.2518	1373	11.6346%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.4
USGS	5439500	4/2/2016	763	742.83	0.0037	3.2518	1373	11.6346%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.4
USGS	5439500	9/21/2019	763	742.83	0.0037	3.2518	1373	11.6346%	Phosphorus, Total		mg/L	0.83	1.11	-	14.6	19.4
USGS	5439500	7/24/1993	762	741.83	0.0037	3.2481	1376	11.6600%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.4
USGS	5439500	8/13/1996	761	740.83	0.0037	3.2444	1377	11.6685%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.4
USGS	5439500	6/7/2004	761	740.83	0.0037	3.2444	1377	11.6685%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.4
USGS	5439500	6/13/1996	760	739.83	0.0037	3.2407	1379	11.6855%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	2/23/2000	760	739.83	0.0037	3.2407	1379	11.6855%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	3/21/1991	759	738.83	0.0037	3.2370	1381	11.7024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	7/28/1993	759	738.83	0.0037	3.2370	1381	11.7024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	3/7/2012	759	738.83	0.0037	3.2370	1381	11.7024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	7/15/2014	759	738.83	0.0037	3.2370	1381	11.7024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	4/7/2016	759	738.83	0.0037	3.2370	1381	11.7024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	6/17/2004	758	737.83	0.0037	3.2333	1386	11.7448%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	1/25/2018	757	736.83	0.0037	3.2297	1387	11.7532%	Phosphorus, Total		mg/L	0.83	1.11	-	14.5	19.3
USGS	5439500	11/22/1992	756	735.83	0.0037	3.2260	1388	11.7617%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.3
USGS	5439500	7/11/2015	756	735.83	0.0037	3.2260	1388	11.7617%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.3
USGS	5439500	12/20/1992	755	734.83	0.0037	3.2223	1390	11.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	7/20/2008	755	734.83	0.0037	3.2223	1390	11.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	5/29/2020	755	734.83	0.0037	3.2223	1390	11.7787%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	11/25/1992	754	733.83	0.0037	3.2186	1393	11.8041%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	3/13/2011	754	733.83	0.0037	3.2186	1393	11.8041%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	6/14/2018	754	733.83	0.0037	3.2186	1393	11.8041%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.2
USGS	5439500	5/16/1990	751	730.83	0.0037	3.2075	1396	11.8295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.1
USGS	5439500	5/15/2015	751	730.83	0.0037	3.2075	1396	11.8295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.1
USGS	5439500	3/24/2021	751	730.83	0.0037	3.2075	1396	11.8295%	Phosphorus, Total		mg/L	0.83	1.11	-	14.4	19.1
USGS	5439500	5/3/1993	750	729.83	0.0037	3.2038	1399	11.8549%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	4/6/2009	749	728.83	0.0037	3.2001	1400	11.8634%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	1/29/2010	748	727.83	0.0037	3.1964	1401	11.8719%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	5/8/2012	748	727.83	0.0037	3.1964	1401	11.8719%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	11/6/2019	748	727.83	0.0037	3.1964	1401	11.8719%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	2/6/1999	747	726.83	0.0037	3.1928	1404	11.8973%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	3/7/2007	747	726.83	0.0037	3.1928	1404	11.8973%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	4/12/2015	747	726.83	0.0037	3.1928	1404	11.8973%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.1
USGS	5439500	2/24/2011	746	725.83	0.0037	3.1891	1407	11.9227%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.0
USGS	5439500	1/3/2016	746	725.83	0.0037	3.1891	1407	11.9227%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.0
USGS	5439500	9/2/2007	745	724.83	0.0037	3.1854	1409	11.9397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.0
USGS	5439500	7/21/2008	745	724.83	0.0037	3.1854	1409	11.9397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.0
USGS	5439500	4/4/2022	745	724.83	0.0037	3.1854	1409	11.9397%	Phosphorus, Total		mg/L	0.83	1.11	-	14.3	19.0
USGS	5439500	5/22/1999	743	722.83	0.0037	3.1780	1412	11.9651%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	19.0
USGS	5439500	1/10/2019	743	722.83	0.0037	3.1780	1412	11.9651%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	19.0
USGS	5439500	2/11/2019	743	722.83	0.0037	3.1780	1412	11.9651%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	19.0
USGS	5439500	6/20/1999	742	721.83	0.0037	3.1743	1415	11.9905%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	6/9/2007	742	721.83	0.0037	3.1743	1415	11.9905%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	4/29/2013	742	721.83	0.0037	3.1743	1415	11.9905%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	3/20/2019	742	721.83	0.0037	3.1743	1415	11.9905%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	6/10/1999	741	720.83	0.0037	3.1706	1419	12.0244%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	2/29/2012	740	719.83	0.0037	3.1669	1420	12.0329%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	12/1/2016	739	718.83	0.0037	3.1632	1421	12.0414%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	2/27/2019	739	718.83	0.0037	3.1632	1421	12.0414%	Phosphorus, Total		mg/L	0.83	1.11	-	14.2	18.9
USGS	5439500	3/31/1991	738	717.83	0.0037	3.1595	1423	12.0583%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.9
USGS	5439500	7/8/1993	738	717.83	0.0037	3.1595	1423	12.0583%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.9
USGS	5439500	3/22/2020	738	717.83	0.0037	3.1595	1423	12.0583%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.9
USGS	5439500	11/14/1992	737	716.83	0.0037	3.1559	1426	12.0837%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	5/5/2009	737	716.83	0.0037	3.1559	1426	12.0837%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	10/11/2018	737	716.83	0.0037	3.1559	1426	12.0837%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	2/18/2022	737	716.83	0.0037	3.1559	1426	12.0837%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	11/12/1994	736	715.83	0.0037	3.1522	1430	12.1176%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	1/14/2020	736	715.83	0.0037	3.1522	1430	12.1176%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	11/26/2009	735	714.83	0.0037	3.1485	1432	12.1346%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	4/13/1998	734	713.83	0.0037	3.1448	1433	12.1430%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	3/24/2011	734	713.83	0.0037	3.1448	1433	12.1430%	Phosphorus, Total		mg/L	0.83	1.11	-	14.1	18.8
USGS	5439500	6/22/1996	731	710.83	0.0037	3.1337	1435	12.1600%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	3/12/2002	731	710.83	0.0037	3.1337	1435	12.1600%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	4/30/2007	731	710.83	0.0037	3.1337	1435	12.1600%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	5/21/2018	731	710.83	0.0037	3.1337	1435	12.1600%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	3/24/2022	730	709.83	0.0037	3.1300	1439	12.1939%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	4/14/1993	729	708.83	0.0037	3.1263	1440	12.2024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/3/2001	729	708.83	0.0037	3.1263	1440	12.2024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	3/14/2021	729	708.83	0.0037	3.1263	1440	12.2024%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.7
USGS	5439500	5/31/1991	727	706.83	0.0037	3.1190	1443	12.2278%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.6
USGS	5439500	4/14/1998	727	706.83	0.0037	3.1190	1443	12.2278%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.6
USGS	5439500	3/17/1999	727	706.83	0.0037	3.1190	1443	12.2278%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.6
USGS	5439500	5/3/1999	727	706.83	0.0037	3.1190	1443	12.2278%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.6
USGS	5439500	1/4/2009	727	706.83	0.0037	3.1190	1443	12.2278%	Phosphorus, Total		mg/L	0.83	1.11	-	14.0	18.6
USGS	5439500	5/2/1993	725	704.83	0.0037	3.1116	1448	12.2701%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.6
USGS	5439500	5/20/1999	725	704.83	0.0037	3.1116	1448	12.2701%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.6
USGS	5439500	3/3/2012	725	704.83	0.0037	3.1116	1448	12.2701%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.6
USGS	5439500	3/19/2009	724	703.83	0.0037	3.1079	1451	12.2956%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	4/17/2013	724	703.83	0.0037	3.1079	1451	12.2956%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	10/10/2019	724	703.83	0.0037	3.1079	1451	12.2956%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	5/5/1990	723	702.83	0.0037	3.1042	1454	12.3210%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	12/11/2008	722	701.83	0.0037	3.1005	1455	12.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	4/1/2022	722	701.83	0.0037	3.1005	1455	12.3295%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	7/8/1998	721	700.83	0.0037	3.0968	1457	12.3464%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	6/3/2001	721	700.83	0.0037	3.0968	1457	12.3464%	Phosphorus, Total		mg/L	0.83	1.11	-	13.9	18.5
USGS	5439500	12/4/2011	720	699.83	0.0037	3.0931	1459	12.3634%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.5
USGS	5439500	7/15/2008	719	698.83	0.0037	3.0894	1460	12.3718%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	4/25/2009	717	696.83	0.0037	3.0820	1461	12.3803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	1/24/2017	717	696.83	0.0037	3.0820	1461	12.3803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	5/16/2019	717	696.83	0.0037	3.0820	1461	12.3803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	5/7/1993	716	695.83	0.0037	3.0784	1464	12.4057%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	6/13/2002	716	695.83	0.0037	3.0784	1464	12.4057%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	11/23/2019	716	695.83	0.0037	3.0784	1464	12.4057%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	6/1/2018	715	694.83	0.0037	3.0747	1467	12.4311%	Phosphorus, Total		mg/L	0.83	1.11	-	13.8	18.4
USGS	5439500	3/11/1994	714	693.83	0.0037	3.0710	1468	12.4396%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	4/7/2009	714	693.83	0.0037	3.0710	1468	12.4396%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	10/13/2019	714	693.83	0.0037	3.0710	1468	12.4396%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	7/5/1993	713	692.83	0.0037	3.0673	1471	12.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	5/15/1998	713	692.83	0.0037	3.0673	1471	12.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	3/22/2001	713	692.83	0.0037	3.0673	1471	12.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	5/20/2002	713	692.83	0.0037	3.0673	1471	12.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	5/21/1990	712	691.83	0.0037	3.0636	1475	12.4989%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	7/9/2014	712	691.83	0.0037	3.0636	1475	12.4989%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	1/14/2008	711	690.83	0.0037	3.0599	1477	12.5159%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	5/29/2009	711	690.83	0.0037	3.0599	1477	12.5159%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.3
USGS	5439500	3/14/2012	710	689.83	0.0037	3.0562	1479	12.5328%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	5/16/2017	710	689.83	0.0037	3.0562	1479	12.5328%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	6/28/2020	710	689.83	0.0037	3.0562	1479	12.5328%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	6/6/1995	709	688.83	0.0037	3.0525	1482	12.5583%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	5/22/1998	709	688.83	0.0037	3.0525	1482	12.5583%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	3/1/2011	709	688.83	0.0037	3.0525	1482	12.5583%	Phosphorus, Total		mg/L	0.83	1.11	-	13.7	18.2
USGS	5439500	6/5/2001	708	687.83	0.0037	3.0488	1485	12.5837%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	3/18/2016	708	687.83	0.0037	3.0488	1485	12.5837%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	5/6/1990	707	686.83	0.0037	3.0451	1487	12.6006%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	2/14/1999	707	686.83	0.0037	3.0451	1487	12.6006%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	12/7/2015	707	686.83	0.0037	3.0451	1487	12.6006%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	1/18/1995	706	685.83	0.0037	3.0415	1490	12.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	6/12/2008	706	685.83	0.0037	3.0415	1490	12.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	6/28/2014	706	685.83	0.0037	3.0415	1490	12.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	5/21/2019	706	685.83	0.0037	3.0415	1490	12.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	9/28/2019	706	685.83	0.0037	3.0415	1490	12.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.2
USGS	5439500	4/19/1995	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	7/5/1998	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	4/19/2011	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	6/5/2011	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	4/9/2015	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	4/10/2022	705	684.83	0.0037	3.0378	1495	12.6684%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	7/20/1990	704	683.83	0.0037	3.0341	1501	12.7193%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	2/22/2022	704	683.83	0.0037	3.0341	1501	12.7193%	Phosphorus, Total		mg/L	0.83	1.11	-	13.6	18.1
USGS	5439500	4/29/1998	702	681.83	0.0037	3.0267	1503	12.7362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.1
USGS	5439500	3/14/2014	702	681.83	0.0037	3.0267	1503	12.7362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.1
USGS	5439500	7/20/2015	702	681.83	0.0037	3.0267	1503	12.7362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.1
USGS	5439500	5/4/2020	702	681.83	0.0037	3.0267	1503	12.7362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.1
USGS	5439500	4/26/1993	701	680.83	0.0037	3.0230	1507	12.7701%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	3/3/2011	701	680.83	0.0037	3.0230	1507	12.7701%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	6/6/2007	700	679.83	0.0037	3.0193	1509	12.7871%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	5/4/2013	699	678.83	0.0037	3.0156	1510	12.7955%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	1/2/2020	699	678.83	0.0037	3.0156	1510	12.7955%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	5/19/2009	698	677.83	0.0037	3.0119	1512	12.8125%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	5/17/1995	697	676.83	0.0037	3.0082	1513	12.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	6/11/1998	697	676.83	0.0037	3.0082	1513	12.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	3/4/2001	697	676.83	0.0037	3.0082	1513	12.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	6/22/2004	697	676.83	0.0037	3.0082	1513	12.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	1/1/2010	697	676.83	0.0037	3.0082	1513	12.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	13.5	18.0
USGS	5439500	3/19/2010	696	675.83	0.0037	3.0046	1518	12.8633%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	11/28/2019	696	675.83	0.0037	3.0046	1518	12.8633%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	8/3/1996	695	674.83	0.0037	3.0009	1520	12.8803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	1/5/2008	695	674.83	0.0037	3.0009	1520	12.8803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	3/3/2009	695	674.83	0.0037	3.0009	1520	12.8803%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	6/15/1990	694	673.83	0.0037	2.9972	1523	12.9057%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	4/15/1995	694	673.83	0.0037	2.9972	1523	12.9057%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	11/28/1992	693	672.83	0.0037	2.9935	1525	12.9226%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	5/2/1995	693	672.83	0.0037	2.9935	1525	12.9226%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	4/17/2008	693	672.83	0.0037	2.9935	1525	12.9226%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	4/8/2016	693	672.83	0.0037	2.9935	1525	12.9226%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.9
USGS	5439500	5/3/1998	692	671.83	0.0037	2.9898	1529	12.9565%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.8
USGS	5439500	5/8/1997	691	670.83	0.0037	2.9861	1530	12.9650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.8
USGS	5439500	3/26/2021	691	670.83	0.0037	2.9861	1530	12.9650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.4	17.8
USGS	5439500	4/20/1999	690	669.83	0.0037	2.9824	1532	12.9820%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	6/19/2000	690	669.83	0.0037	2.9824	1532	12.9820%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	6/9/2019	690	669.83	0.0037	2.9824	1532	12.9820%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	8/21/1990	689	668.83	0.0037	2.9787	1535	13.0074%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	3/23/2011	689	668.83	0.0037	2.9787	1535	13.0074%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	4/10/2010	688	667.83	0.0037	2.9750	1537	13.0243%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	5/21/2010	688	667.83	0.0037	2.9750	1537	13.0243%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	12/20/2011	688	667.83	0.0037	2.9750	1537	13.0243%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	1/4/2019	688	667.83	0.0037	2.9750	1537	13.0243%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.8
USGS	5439500	6/5/2000	687	666.83	0.0037	2.9713	1541	13.0582%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	7/1/2015	687	666.83	0.0037	2.9713	1541	13.0582%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	3/8/1992	686	665.83	0.0037	2.9677	1543	13.0752%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	3/21/2019	686	665.83	0.0037	2.9677	1543	13.0752%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	4/19/1991	685	664.83	0.0037	2.9640	1545	13.0921%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	4/5/1998	685	664.83	0.0037	2.9640	1545	13.0921%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	2/18/2011	685	664.83	0.0037	2.9640	1545	13.0921%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	12/29/2016	685	664.83	0.0037	2.9640	1545	13.0921%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	3/27/2007	684	663.83	0.0037	2.9603	1549	13.1260%	Phosphorus, Total		mg/L	0.83	1.11	-	13.3	17.7
USGS	5439500	1/3/1993	683	662.83	0.0037	2.9566	1550	13.1345%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	6/2/2001	683	662.83	0.0037	2.9566	1550	13.1345%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	11/14/2011	683	662.83	0.0037	2.9566	1550	13.1345%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	5/23/1999	682	661.83	0.0037	2.9529	1553	13.1599%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	2/22/2002	682	661.83	0.0037	2.9529	1553	13.1599%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	4/8/1998	681	660.83	0.0037	2.9492	1555	13.1768%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	12/16/2006	681	660.83	0.0037	2.9492	1555	13.1768%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	6/30/2010	681	660.83	0.0037	2.9492	1555	13.1768%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	5/30/2020	681	660.83	0.0037	2.9492	1555	13.1768%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	4/1/2004	680	659.83	0.0037	2.9455	1559	13.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	6/24/2009	680	659.83	0.0037	2.9455	1559	13.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/1/2011	680	659.83	0.0037	2.9455	1559	13.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	3/19/1990	679	658.83	0.0037	2.9418	1562	13.2362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	6/14/2002	679	658.83	0.0037	2.9418	1562	13.2362%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.6
USGS	5439500	6/3/1991	678	657.83	0.0037	2.9381	1564	13.2531%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.5
USGS	5439500	3/10/1993	678	657.83	0.0037	2.9381	1564	13.2531%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.5
USGS	5439500	2/7/1999	678	657.83	0.0037	2.9381	1564	13.2531%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.5
USGS	5439500	5/9/1999	678	657.83	0.0037	2.9381	1564	13.2531%	Phosphorus, Total		mg/L	0.83	1.11	-	13.2	17.5
USGS	5439500	3/14/2006	677	656.83	0.0037	2.9344	1568	13.2870%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	6/12/2009	677	656.83	0.0037	2.9344	1568	13.2870%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	6/17/2011	677	656.83	0.0037	2.9344	1568	13.2870%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	8/31/2016	677	656.83	0.0037	2.9344	1568	13.2870%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	3/2/2017	677	656.83	0.0037	2.9344	1568	13.2870%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	6/13/2014	676	655.83	0.0037	2.9307	1573	13.3294%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	3/18/2013	675	654.83	0.0037	2.9271	1574	13.3379%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	3/28/2016	675	654.83	0.0037	2.9271	1574	13.3379%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.5
USGS	5439500	8/14/1994	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	5/16/1995	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	3/8/2012	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	5/6/2016	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	5/8/2017	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	1/7/2019	674	653.83	0.0037	2.9234	1576	13.3548%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	5/27/1997	673	652.83	0.0037	2.9197	1582	13.4056%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	3/21/2011	673	652.83	0.0037	2.9197	1582	13.4056%	Phosphorus, Total		mg/L	0.83	1.11	-	13.1	17.4
USGS	5439500	7/30/2010	671	650.83	0.0037	2.9123	1584	13.4226%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.4
USGS	5439500	3/7/1997	670	649.83	0.0037	2.9086	1585	13.4311%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.4
USGS	5439500	6/5/2007	670	649.83	0.0037	2.9086	1585	13.4311%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.4
USGS	5439500	6/26/1996	669	648.83	0.0037	2.9049	1587	13.4480%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	2/17/2001	669	648.83	0.0037	2.9049	1587	13.4480%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	8/25/1999	668	647.83	0.0037	2.9012	1589	13.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	5/17/2011	668	647.83	0.0037	2.9012	1589	13.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	11/21/2019	668	647.83	0.0037	2.9012	1589	13.4650%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	7/6/2000	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	2/24/2001	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	3/8/2004	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	5/16/2015	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	4/5/2020	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	3/26/2022	667	646.83	0.0037	2.8975	1592	13.4904%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	11/5/2009	666	645.83	0.0037	2.8938	1598	13.5412%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	2/12/2019	666	645.83	0.0037	2.8938	1598	13.5412%	Phosphorus, Total		mg/L	0.83	1.11	-	13.0	17.3
USGS	5439500	6/14/1990	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total	0.05	mg/L	0.83	1.11	0.8	12.9	17.2
USGS	5439500	6/14/1990	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total	0.93	mg/L	0.83	1.11	14.5	12.9	17.2
USGS	5439500	6/14/1990	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total	0.56	mg/L	0.83	1.11	8.7	12.9	17.2
USGS	5439500	6/14/1990	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total	0.40	mg/L	0.83	1.11	6.2	12.9	17.2
USGS	5439500	6/14/1996	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	2/14/1998	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	6/15/1998	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	10/28/2001	664	643.83	0.0037	2.8865	1600	13.5582%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	2/9/2005	663	642.83	0.0037	2.8828	1608	13.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	3/4/2011	663	642.83	0.0037	2.8828	1608	13.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	7/16/2017	663	642.83	0.0037	2.8828	1608	13.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	3/5/2018	663	642.83	0.0037	2.8828	1608	13.6260%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	5/13/1996	662	641.83	0.0037	2.8791	1612	13.6599%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	7/2/2018	662	641.83	0.0037	2.8791	1612	13.6599%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	6/27/2021	662	641.83	0.0037	2.8791	1612	13.6599%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	2/19/2022	662	641.83	0.0037	2.8791	1612	13.6599%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	8/14/1996	661	640.83	0.0037	2.8754	1616	13.6938%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	1/3/2020	661	640.83	0.0037	2.8754	1616	13.6938%	Phosphorus, Total		mg/L	0.83	1.11	-	12.9	17.2
USGS	5439500	3/11/1998	659	638.83	0.0037	2.8680	1618	13.7107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	5/15/2008	659	638.83	0.0037	2.8680	1618	13.7107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	5/17/2015	659	638.83	0.0037	2.8680	1618	13.7107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	5/29/2016	659	638.83	0.0037	2.8680	1618	13.7107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	7/11/2000	658	637.83	0.0037	2.8643	1622	13.7446%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	4/8/2009	658	637.83	0.0037	2.8643	1622	13.7446%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	4/22/2022	658	637.83	0.0037	2.8643	1622	13.7446%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	5/1/2016	657	636.83	0.0037	2.8606	1625	13.7700%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	3/2/2021	657	636.83	0.0037	2.8606	1625	13.7700%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	6/29/1994	656	635.83	0.0037	2.8569	1627	13.7870%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	3/20/1999	656	635.83	0.0037	2.8569	1627	13.7870%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	5/20/2016	656	635.83	0.0037	2.8569	1627	13.7870%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.1
USGS	5439500	11/28/2009	655	634.83	0.0037	2.8533	1630	13.8124%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.0
USGS	5439500	5/19/1995	654	633.83	0.0037	2.8496	1631	13.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.0
USGS	5439500	6/19/1998	654	633.83	0.0037	2.8496	1631	13.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.0
USGS	5439500	5/6/2009	654	633.83	0.0037	2.8496	1631	13.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.0
USGS	5439500	5/5/2018	654	633.83	0.0037	2.8496	1631	13.8209%	Phosphorus, Total		mg/L	0.83	1.11	-	12.8	17.0
USGS	5439500	1/26/1993	653	632.83	0.0037	2.8459	1635	13.8548%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	2/11/1999	653	632.83	0.0037	2.8459	1635	13.8548%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	12/2/2006	653	632.83	0.0037	2.8459	1635	13.8548%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	3/22/1991	652	631.83	0.0037	2.8422	1638	13.8802%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	2/3/2001	652	631.83	0.0037	2.8422	1638	13.8802%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	1/15/2020	652	631.83	0.0037	2.8422	1638	13.8802%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	17.0
USGS	5439500	2/25/2011	651	630.83	0.0037	2.8385	1641	13.9056%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	12/29/1990	650	629.83	0.0037	2.8348	1642	13.9141%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	12/12/1991	650	629.83	0.0037	2.8348	1642	13.9141%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	5/18/1995	650	629.83	0.0037	2.8348	1642	13.9141%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	3/23/1998	650	629.83	0.0037	2.8348	1642	13.9141%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	1/26/2017	650	629.83	0.0037	2.8348	1642	13.9141%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	6/20/1998	649	628.83	0.0037	2.8311	1647	13.9564%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	5/25/2011	649	628.83	0.0037	2.8311	1647	13.9564%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	12/6/2011	649	628.83	0.0037	2.8311	1647	13.9564%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	10/12/2018	648	627.83	0.0037	2.8274	1650	13.9819%	Phosphorus, Total		mg/L	0.83	1.11	-	12.7	16.9
USGS	5439500	5/29/2015	647	626.83	0.0037	2.8237	1651	13.9903%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.9
USGS	5439500	6/21/1999	646	625.83	0.0037	2.8200	1652	13.9988%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	1/25/2017	646	625.83	0.0037	2.8200	1652	13.9988%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	4/2/2022	646	625.83	0.0037	2.8200	1652	13.9988%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	1/9/1993	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	2/4/2001	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	6/17/2009	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	8/8/2010	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	5/26/2016	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	11/7/2019	645	624.83	0.0037	2.8164	1655	14.0242%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	6/16/1990	644	623.83	0.0037	2.8127	1661	14.0751%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	6/22/2010	644	623.83	0.0037	2.8127	1661	14.0751%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	12/3/1990	643	622.83	0.0037	2.8090	1663	14.0920%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	4/30/1998	643	622.83	0.0037	2.8090	1663	14.0920%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	6/12/2006	643	622.83	0.0037	2.8090	1663	14.0920%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	6/29/2014	643	622.83	0.0037	2.8090	1663	14.0920%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	5/27/2016	643	622.83	0.0037	2.8090	1663	14.0920%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.8
USGS	5439500	2/5/1993	642	621.83	0.0037	2.8053	1668	14.1344%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.7
USGS	5439500	11/22/2015	642	621.83	0.0037	2.8053	1668	14.1344%	Phosphorus, Total		mg/L	0.83	1.11	-	12.6	16.7
USGS	5439500	12/27/2007	641	620.83	0.0037	2.8016	1670	14.1513%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	5/17/1990	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	12/14/1991	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	3/16/2015	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	7/12/2015	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	12/29/2018	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	4/16/2022	640	619.83	0.0037	2.7979	1671	14.1598%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	2/29/2000	639	618.83	0.0037	2.7942	1677	14.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	3/23/2001	639	618.83	0.0037	2.7942	1677	14.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	2/5/2016	639	618.83	0.0037	2.7942	1677	14.2107%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	3/20/2009	638	617.83	0.0037	2.7905	1680	14.2361%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/9/2012	638	617.83	0.0037	2.7905	1680	14.2361%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	7/3/2013	638	617.83	0.0037	2.7905	1680	14.2361%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.7
USGS	5439500	1/13/2016	637	616.83	0.0037	2.7868	1683	14.2615%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	6/1/2016	637	616.83	0.0037	2.7868	1683	14.2615%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	2/26/2022	637	616.83	0.0037	2.7868	1683	14.2615%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	11/3/1995	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	1/9/1998	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	5/18/2000	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	12/8/2015	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	1/4/2016	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	3/23/2020	636	615.83	0.0037	2.7831	1686	14.2869%	Phosphorus, Total		mg/L	0.83	1.11	-	12.5	16.6
USGS	5439500	6/5/2008	635	614.83	0.0037	2.7794	1692	14.3378%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.6
USGS	5439500	10/27/2017	635	614.83	0.0037	2.7794	1692	14.3378%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.6
USGS	5439500	12/8/1991	634	613.83	0.0037	2.7758	1694	14.3547%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.6
USGS	5439500	3/9/2019	634	613.83	0.0037	2.7758	1694	14.3547%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.6
USGS	5439500	11/7/1990	633	612.83	0.0037	2.7721	1696	14.3717%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	12/30/1992	632	611.83	0.0037	2.7684	1697	14.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	3/22/2010	632	611.83	0.0037	2.7684	1697	14.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	5/31/2016	632	611.83	0.0037	2.7684	1697	14.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	7/6/1993	631	610.83	0.0037	2.7647	1700	14.4056%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	2/8/1999	631	610.83	0.0037	2.7647	1700	14.4056%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	1/14/2016	631	610.83	0.0037	2.7647	1700	14.4056%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	4/15/1998	630	609.83	0.0037	2.7610	1703	14.4310%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	5/21/1999	630	609.83	0.0037	2.7610	1703	14.4310%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	3/14/2011	630	609.83	0.0037	2.7610	1703	14.4310%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	3/22/2019	630	609.83	0.0037	2.7610	1703	14.4310%	Phosphorus, Total		mg/L	0.83	1.11	-	12.4	16.5
USGS	5439500	4/10/1991	629	608.83	0.0037	2.7573	1707	14.4649%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.5
USGS	5439500	2/7/1993	629	608.83	0.0037	2.7573	1707	14.4649%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.5
USGS	5439500	4/25/2000	629	608.83	0.0037	2.7573	1707	14.4649%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.5
USGS	5439500	5/18/2015	629	608.83	0.0037	2.7573	1707	14.4649%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.5
USGS	5439500	2/6/2020	629	608.83	0.0037	2.7573	1707	14.4649%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.5
USGS	5439500	12/2/1991	628	607.83	0.0037	2.7536	1712	14.5072%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	7/29/1993	628	607.83	0.0037	2.7536	1712	14.5072%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	5/4/1999	628	607.83	0.0037	2.7536	1712	14.5072%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	10/1/1999	628	607.83	0.0037	2.7536	1712	14.5072%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	2/28/1994	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	5/16/1998	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	12/9/1998	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	6/28/2000	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	6/8/2004	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	4/30/2013	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	7/30/2016	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	4/12/2017	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	12/8/2018	627	606.83	0.0037	2.7499	1716	14.5411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	3/25/2004	626	605.83	0.0037	2.7462	1725	14.6174%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	4/6/2008	626	605.83	0.0037	2.7462	1725	14.6174%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	9/22/2008	626	605.83	0.0037	2.7462	1725	14.6174%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	5/11/2009	626	605.83	0.0037	2.7462	1725	14.6174%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	5/8/1993	625	604.83	0.0037	2.7425	1729	14.6513%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	2/16/2009	625	604.83	0.0037	2.7425	1729	14.6513%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	1/30/2010	625	604.83	0.0037	2.7425	1729	14.6513%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.4
USGS	5439500	5/1/2007	624	603.83	0.0037	2.7389	1732	14.6767%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.3
USGS	5439500	2/23/2008	624	603.83	0.0037	2.7389	1732	14.6767%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.3
USGS	5439500	12/29/2019	624	603.83	0.0037	2.7389	1732	14.6767%	Phosphorus, Total		mg/L	0.83	1.11	-	12.3	16.3
USGS	5439500	4/29/1993	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	1/5/2009	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	3/25/2011	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	4/6/2016	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	3/21/2021	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	4/3/2022	623	602.83	0.0037	2.7352	1735	14.7021%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	11/15/1995	622	601.83	0.0037	2.7315	1741	14.7530%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	3/2/2008	622	601.83	0.0037	2.7315	1741	14.7530%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	5/22/2010	621	600.83	0.0037	2.7278	1743	14.7699%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	6/17/2016	621	600.83	0.0037	2.7278	1743	14.7699%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	2/15/2019	621	600.83	0.0037	2.7278	1743	14.7699%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	11/13/1994	620	599.83	0.0037	2.7241	1746	14.7954%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	3/31/1998	620	599.83	0.0037	2.7241	1746	14.7954%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	4/21/1999	620	599.83	0.0037	2.7241	1746	14.7954%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	6/18/2004	620	599.83	0.0037	2.7241	1746	14.7954%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	5/28/2017	620	599.83	0.0037	2.7241	1746	14.7954%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.3
USGS	5439500	4/1/1991	619	598.83	0.0037	2.7204	1751	14.8377%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	4/13/2002	619	598.83	0.0037	2.7204	1751	14.8377%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	5/5/2003	619	598.83	0.0037	2.7204	1751	14.8377%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	3/4/2012	619	598.83	0.0037	2.7204	1751	14.8377%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	10/4/2018	619	598.83	0.0037	2.7204	1751	14.8377%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	4/19/2017	618	597.83	0.0037	2.7167	1756	14.8801%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	5/25/2018	618	597.83	0.0037	2.7167	1756	14.8801%	Phosphorus, Total		mg/L	0.83	1.11	-	12.2	16.2
USGS	5439500	6/23/1999	617	596.83	0.0037	2.7130	1758	14.8970%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	9/3/2007	617	596.83	0.0037	2.7130	1758	14.8970%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	2/13/2019	617	596.83	0.0037	2.7130	1758	14.8970%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	4/27/1993	616	595.83	0.0037	2.7093	1761	14.9225%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	6/7/1995	616	595.83	0.0037	2.7093	1761	14.9225%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	4/16/2012	616	595.83	0.0037	2.7093	1761	14.9225%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.2
USGS	5439500	3/14/1994	615	594.83	0.0037	2.7056	1764	14.9479%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	6/23/1996	615	594.83	0.0037	2.7056	1764	14.9479%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	5/4/1998	615	594.83	0.0037	2.7056	1764	14.9479%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	11/3/2016	615	594.83	0.0037	2.7056	1764	14.9479%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	12/2/2019	615	594.83	0.0037	2.7056	1764	14.9479%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	7/22/2007	614	593.83	0.0037	2.7020	1769	14.9903%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	4/3/2016	612	591.83	0.0037	2.6946	1770	14.9987%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	6/18/2017	612	591.83	0.0037	2.6946	1770	14.9987%	Phosphorus, Total		mg/L	0.83	1.11	-	12.1	16.1
USGS	5439500	3/21/1994	611	590.83	0.0037	2.6909	1772	15.0157%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.1
USGS	5439500	3/24/1994	611	590.83	0.0037	2.6909	1772	15.0157%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.1
USGS	5439500	9/26/2019	611	590.83	0.0037	2.6909	1772	15.0157%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.1
USGS	5439500	3/23/2010	610	589.83	0.0037	2.6872	1775	15.0411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	5/27/2017	610	589.83	0.0037	2.6872	1775	15.0411%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	5/2/1998	609	588.83	0.0037	2.6835	1777	15.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	3/13/2006	609	588.83	0.0037	2.6835	1777	15.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	9/29/2011	609	588.83	0.0037	2.6835	1777	15.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	3/17/2008	608	587.83	0.0037	2.6798	1780	15.0835%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	6/16/2017	608	587.83	0.0037	2.6798	1780	15.0835%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	3/8/2010	607	586.83	0.0037	2.6761	1782	15.1004%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	12/21/2011	607	586.83	0.0037	2.6761	1782	15.1004%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	7/9/2013	607	586.83	0.0037	2.6761	1782	15.1004%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	4/13/2015	607	586.83	0.0037	2.6761	1782	15.1004%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	5/5/2020	607	586.83	0.0037	2.6761	1782	15.1004%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	16.0
USGS	5439500	7/21/1990	606	585.83	0.0037	2.6724	1787	15.1428%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	15.9
USGS	5439500	9/29/1993	606	585.83	0.0037	2.6724	1787	15.1428%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	15.9
USGS	5439500	11/14/1994	606	585.83	0.0037	2.6724	1787	15.1428%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	15.9
USGS	5439500	11/10/2000	606	585.83	0.0037	2.6724	1787	15.1428%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	15.9
USGS	5439500	4/17/2006	606	585.83	0.0037	2.6724	1787	15.1428%	Phosphorus, Total		mg/L	0.83	1.11	-	12.0	15.9
USGS	5439500	6/9/2001	605	584.83	0.0037	2.6687	1792	15.1852%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	3/11/1993	604	583.83	0.0037	2.6651	1793	15.1936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	12/26/2006	604	583.83	0.0037	2.6651	1793	15.1936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	3/23/1991	603	582.83	0.0037	2.6614	1795	15.2106%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	5/10/1997	603	582.83	0.0037	2.6614	1795	15.2106%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	6/6/1999	603	582.83	0.0037	2.6614	1795	15.2106%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	7/23/2010	603	582.83	0.0037	2.6614	1795	15.2106%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	3/20/2010	602	581.83	0.0037	2.6577	1799	15.2445%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9
USGS	5439500	3/14/2020	602	581.83	0.0037	2.6577	1799	15.2445%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/3/1995	601	580.83	0.0037	2.6540	1801	15.2614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	6/20/2000	601	580.83	0.0037	2.6540	1801	15.2614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	3/17/2007	601	580.83	0.0037	2.6540	1801	15.2614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	1/4/2020	601	580.83	0.0037	2.6540	1801	15.2614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	3/4/2021	601	580.83	0.0037	2.6540	1801	15.2614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	1/5/1995	600	579.83	0.0037	2.6503	1806	15.3038%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	5/12/2000	600	579.83	0.0037	2.6503	1806	15.3038%	Phosphorus, Total		mg/L	0.83	1.11	-	11.9	15.8
USGS	5439500	7/10/2007	599	578.83	0.0037	2.6466	1808	15.3207%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	10/29/2009	599	578.83	0.0037	2.6466	1808	15.3207%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	10/18/2017	599	578.83	0.0037	2.6466	1808	15.3207%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	4/20/1995	598	577.83	0.0037	2.6429	1811	15.3462%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	3/13/2002	598	577.83	0.0037	2.6429	1811	15.3462%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	6/15/2002	598	577.83	0.0037	2.6429	1811	15.3462%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	3/15/2021	598	577.83	0.0037	2.6429	1811	15.3462%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	2/18/2005	597	576.83	0.0037	2.6392	1815	15.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	5/20/2009	597	576.83	0.0037	2.6392	1815	15.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	7/31/2010	597	576.83	0.0037	2.6392	1815	15.3801%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.8
USGS	5439500	4/11/1991	596	575.83	0.0037	2.6355	1818	15.4055%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	11/29/1994	596	575.83	0.0037	2.6355	1818	15.4055%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	6/13/2008	596	575.83	0.0037	2.6355	1818	15.4055%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	7/31/2016	596	575.83	0.0037	2.6355	1818	15.4055%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	11/24/2019	596	575.83	0.0037	2.6355	1818	15.4055%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	12/4/1990	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	2/26/1994	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	5/1/1998	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	6/22/1999	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	6/15/2018	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	6/10/2019	595	574.83	0.0037	2.6318	1823	15.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	8/4/1996	594	573.83	0.0037	2.6281	1829	15.4987%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	4/14/2001	594	573.83	0.0037	2.6281	1829	15.4987%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	2/26/2009	594	573.83	0.0037	2.6281	1829	15.4987%	Phosphorus, Total		mg/L	0.83	1.11	-	11.8	15.7
USGS	5439500	4/16/1995	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	4/6/1998	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	3/5/2001	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	5/16/2003	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	6/2/2009	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	4/14/2013	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	5/19/2018	593	572.83	0.0037	2.6245	1832	15.5241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.7
USGS	5439500	3/13/1994	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	1/19/1995	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/20/1995	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/9/2003	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/24/2011	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	3/24/2020	592	571.83	0.0037	2.6208	1839	15.5834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	6/6/2000	591	570.83	0.0037	2.6171	1845	15.6343%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	12/10/2008	591	570.83	0.0037	2.6171	1845	15.6343%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	8/14/2010	591	570.83	0.0037	2.6171	1845	15.6343%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/10/2016	591	570.83	0.0037	2.6171	1845	15.6343%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/17/2017	591	570.83	0.0037	2.6171	1845	15.6343%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/24/1999	590	569.83	0.0037	2.6134	1850	15.6766%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	10/14/2019	590	569.83	0.0037	2.6134	1850	15.6766%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	6/23/1990	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	3/8/1997	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	5/21/2002	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	3/8/2008	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	3/22/2011	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	4/9/2016	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	7/30/2017	589	568.83	0.0037	2.6097	1852	15.6936%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	4/11/2022	588	567.83	0.0037	2.6060	1859	15.7529%	Phosphorus, Total		mg/L	0.83	1.11	-	11.7	15.6
USGS	5439500	3/12/1994	587	566.83	0.0037	2.6023	1860	15.7614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	2/15/1999	587	566.83	0.0037	2.6023	1860	15.7614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	10/16/2014	587	566.83	0.0037	2.6023	1860	15.7614%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	3/20/1990	586	565.83	0.0037	2.5986	1863	15.7868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	5/22/1990	586	565.83	0.0037	2.5986	1863	15.7868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	12/21/1992	586	565.83	0.0037	2.5986	1863	15.7868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	2/19/2001	586	565.83	0.0037	2.5986	1863	15.7868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	5/31/2020	586	565.83	0.0037	2.5986	1863	15.7868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	12/13/1996	585	564.83	0.0037	2.5949	1868	15.8292%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	6/24/1999	585	564.83	0.0037	2.5949	1868	15.8292%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	7/2/2015	585	564.83	0.0037	2.5949	1868	15.8292%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	1/11/2019	585	564.83	0.0037	2.5949	1868	15.8292%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	3/7/1992	584	563.83	0.0037	2.5912	1872	15.8631%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	6/15/1996	584	563.83	0.0037	2.5912	1872	15.8631%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	8/9/2010	584	563.83	0.0037	2.5912	1872	15.8631%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	4/6/2020	584	563.83	0.0037	2.5912	1872	15.8631%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	6/26/2021	584	563.83	0.0037	2.5912	1872	15.8631%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.5
USGS	5439500	8/22/1990	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	11/15/1994	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	5/23/1998	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	2/26/2011	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	12/9/2015	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	3/6/2018	583	562.83	0.0037	2.5876	1877	15.9054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	2/9/1999	582	561.83	0.0037	2.5839	1883	15.9563%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	6/7/2007	582	561.83	0.0037	2.5839	1883	15.9563%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	4/18/2008	582	561.83	0.0037	2.5839	1883	15.9563%	Phosphorus, Total		mg/L	0.83	1.11	-	11.6	15.4
USGS	5439500	4/20/1991	581	560.83	0.0037	2.5802	1886	15.9817%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	6/6/2011	581	560.83	0.0037	2.5802	1886	15.9817%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	3/9/1992	580	559.83	0.0037	2.5765	1888	15.9986%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	3/15/1994	580	559.83	0.0037	2.5765	1888	15.9986%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	6/21/2004	580	559.83	0.0037	2.5765	1888	15.9986%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	11/11/2000	579	558.83	0.0037	2.5728	1891	16.0241%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.4
USGS	5439500	2/10/1999	578	557.83	0.0037	2.5691	1892	16.0325%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	1/16/2005	578	557.83	0.0037	2.5691	1892	16.0325%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	6/5/2016	578	557.83	0.0037	2.5691	1892	16.0325%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	6/24/1990	577	556.83	0.0037	2.5654	1895	16.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	1/15/2008	577	556.83	0.0037	2.5654	1895	16.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	5/7/2016	577	556.83	0.0037	2.5654	1895	16.0580%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	2/18/2001	576	555.83	0.0037	2.5617	1898	16.0834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	12/14/2011	576	555.83	0.0037	2.5617	1898	16.0834%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	8/15/1996	575	554.83	0.0037	2.5580	1900	16.1003%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	12/12/1996	575	554.83	0.0037	2.5580	1900	16.1003%	Phosphorus, Total		mg/L	0.83	1.11	-	11.5	15.3
USGS	5439500	4/17/1992	574	553.83	0.0037	2.5543	1902	16.1173%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	6/21/2000	574	553.83	0.0037	2.5543	1902	16.1173%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	4/9/2009	574	553.83	0.0037	2.5543	1902	16.1173%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	6/3/2009	574	553.83	0.0037	2.5543	1902	16.1173%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	1/27/2017	574	553.83	0.0037	2.5543	1902	16.1173%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	4/28/1993	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	1/6/1998	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	12/12/2003	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	3/21/2009	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	5/2/2011	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	5/5/2013	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	1/16/2020	573	552.83	0.0037	2.5507	1907	16.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	5/10/1999	572	551.83	0.0037	2.5470	1914	16.2190%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	12/1/2019	572	551.83	0.0037	2.5470	1914	16.2190%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	6/23/2010	571	550.83	0.0037	2.5433	1916	16.2359%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	1/5/2019	571	550.83	0.0037	2.5433	1916	16.2359%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	2/1/1993	570	549.83	0.0037	2.5396	1918	16.2529%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	3/24/2001	570	549.83	0.0037	2.5396	1918	16.2529%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	6/4/2008	570	549.83	0.0037	2.5396	1918	16.2529%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/21/2015	570	549.83	0.0037	2.5396	1918	16.2529%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.2
USGS	5439500	3/8/2007	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	5/27/2008	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	6/14/2008	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	8/30/2009	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	11/6/2009	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	5/26/2010	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	3/15/2016	569	548.83	0.0037	2.5359	1922	16.2868%	Phosphorus, Total		mg/L	0.83	1.11	-	11.4	15.1
USGS	5439500	6/18/1990	568	547.83	0.0037	2.5322	1929	16.3461%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	4/18/1995	568	547.83	0.0037	2.5322	1929	16.3461%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	3/15/2011	568	547.83	0.0037	2.5322	1929	16.3461%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	6/28/2021	568	547.83	0.0037	2.5322	1929	16.3461%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	5/19/1991	567	546.83	0.0037	2.5285	1933	16.3800%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	3/24/2016	567	546.83	0.0037	2.5285	1933	16.3800%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	5/21/2016	567	546.83	0.0037	2.5285	1933	16.3800%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	11/29/2019	566	545.83	0.0037	2.5248	1936	16.4054%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.1
USGS	5439500	4/18/2006	565	544.83	0.0037	2.5211	1937	16.4139%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	4/19/2008	565	544.83	0.0037	2.5211	1937	16.4139%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	5/30/2009	565	544.83	0.0037	2.5211	1937	16.4139%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	3/27/2021	565	544.83	0.0037	2.5211	1937	16.4139%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	5/5/1999	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	5/11/2000	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	3/21/2010	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	4/11/2010	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	8/24/2011	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	6/15/2016	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	11/8/2019	564	543.83	0.0037	2.5174	1941	16.4478%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	3/10/1992	563	542.83	0.0037	2.5138	1948	16.5071%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	1/5/2016	563	542.83	0.0037	2.5138	1948	16.5071%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	3/25/2020	563	542.83	0.0037	2.5138	1948	16.5071%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	5/6/2020	563	542.83	0.0037	2.5138	1948	16.5071%	Phosphorus, Total		mg/L	0.83	1.11	-	11.3	15.0
USGS	5439500	3/24/1991	562	541.83	0.0037	2.5101	1952	16.5410%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	15.0
USGS	5439500	5/18/1991	561	540.83	0.0037	2.5064	1953	16.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	15.0
USGS	5439500	7/10/1993	561	540.83	0.0037	2.5064	1953	16.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	15.0
USGS	5439500	4/2/2004	560	539.83	0.0037	2.5027	1955	16.5664%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	3/28/2007	560	539.83	0.0037	2.5027	1955	16.5664%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	4/14/2007	560	539.83	0.0037	2.5027	1955	16.5664%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	3/24/2014	560	539.83	0.0037	2.5027	1955	16.5664%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	7/16/2014	560	539.83	0.0037	2.5027	1955	16.5664%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	6/18/2011	559	538.83	0.0037	2.4990	1960	16.6088%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	2/12/2013	559	538.83	0.0037	2.4990	1960	16.6088%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	3/19/2016	559	538.83	0.0037	2.4990	1960	16.6088%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	3/29/2016	559	538.83	0.0037	2.4990	1960	16.6088%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	11/27/2019	559	538.83	0.0037	2.4990	1960	16.6088%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	2/21/1995	558	537.83	0.0037	2.4953	1965	16.6511%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	5/18/1990	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	4/14/1991	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	5/7/1991	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	5/10/2000	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	2/5/2001	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	6/18/2009	557	536.83	0.0037	2.4916	1966	16.6596%	Phosphorus, Total		mg/L	0.83	1.11	-	11.2	14.9
USGS	5439500	5/7/1990	556	535.83	0.0037	2.4879	1972	16.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	11/29/1992	556	535.83	0.0037	2.4879	1972	16.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	8/5/1996	556	535.83	0.0037	2.4879	1972	16.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	3/31/2016	556	535.83	0.0037	2.4879	1972	16.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	4/17/2019	556	535.83	0.0037	2.4879	1972	16.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	2/26/1992	555	534.83	0.0037	2.4842	1977	16.7528%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	10/22/1998	555	534.83	0.0037	2.4842	1977	16.7528%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	5/30/2015	555	534.83	0.0037	2.4842	1977	16.7528%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	2/9/1990	554	533.83	0.0037	2.4805	1980	16.7782%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	5/9/1993	553	532.83	0.0037	2.4768	1981	16.7867%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	3/10/1997	553	532.83	0.0037	2.4768	1981	16.7867%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	3/4/2009	553	532.83	0.0037	2.4768	1981	16.7867%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	6/10/2020	553	532.83	0.0037	2.4768	1981	16.7867%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	5/27/2010	552	531.83	0.0037	2.4732	1985	16.8206%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	5/26/2015	552	531.83	0.0037	2.4732	1985	16.8206%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	11/4/2016	552	531.83	0.0037	2.4732	1985	16.8206%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	12/28/2018	552	531.83	0.0037	2.4732	1985	16.8206%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	6/21/2021	552	531.83	0.0037	2.4732	1985	16.8206%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.8
USGS	5439500	4/2/1991	551	530.83	0.0037	2.4695	1990	16.8630%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.7
USGS	5439500	4/10/1999	551	530.83	0.0037	2.4695	1990	16.8630%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.7
USGS	5439500	3/15/2001	551	530.83	0.0037	2.4695	1990	16.8630%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.7
USGS	5439500	6/2/2016	551	530.83	0.0037	2.4695	1990	16.8630%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.7
USGS	5439500	12/3/2019	551	530.83	0.0037	2.4695	1990	16.8630%	Phosphorus, Total		mg/L	0.83	1.11	-	11.1	14.7
USGS	5439500	7/2/1990	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	12/15/1991	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	7/7/1993	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	1/4/1995	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	1/6/1995	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	11/13/1998	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	3/19/2008	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	5/31/2015	550	529.83	0.0037	2.4658	1995	16.9053%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	3/21/1990	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	6/4/1991	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	3/24/1998	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	5/12/2009	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	3/15/2012	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	7/10/2014	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	7/3/2021	549	528.83	0.0037	2.4621	2003	16.9731%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	4/13/2007	548	527.83	0.0037	2.4584	2010	17.0325%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	12/28/2007	548	527.83	0.0037	2.4584	2010	17.0325%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	11/28/1994	547	526.83	0.0037	2.4547	2012	17.0494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	12/25/1994	547	526.83	0.0037	2.4547	2012	17.0494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	5/7/2003	547	526.83	0.0037	2.4547	2012	17.0494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	1/6/2009	547	526.83	0.0037	2.4547	2012	17.0494%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.7
USGS	5439500	6/27/1996	546	525.83	0.0037	2.4510	2016	17.0833%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	6/10/2004	546	525.83	0.0037	2.4510	2016	17.0833%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	11/15/2011	546	525.83	0.0037	2.4510	2016	17.0833%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	1/24/2012	546	525.83	0.0037	2.4510	2016	17.0833%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	2/10/1990	545	524.83	0.0037	2.4473	2020	17.1172%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	4/12/1991	545	524.83	0.0037	2.4473	2020	17.1172%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	6/16/1996	545	524.83	0.0037	2.4473	2020	17.1172%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	6/25/2009	545	524.83	0.0037	2.4473	2020	17.1172%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	8/1/2010	545	524.83	0.0037	2.4473	2020	17.1172%	Phosphorus, Total		mg/L	0.83	1.11	-	11.0	14.6
USGS	5439500	5/23/2010	544	523.83	0.0037	2.4436	2025	17.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	3/9/2012	544	523.83	0.0037	2.4436	2025	17.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	3/23/2019	544	523.83	0.0037	2.4436	2025	17.1596%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	3/21/1999	543	522.83	0.0037	2.4399	2028	17.1850%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	11/29/2009	543	522.83	0.0037	2.4399	2028	17.1850%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	3/6/2012	543	522.83	0.0037	2.4399	2028	17.1850%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	4/13/2017	543	522.83	0.0037	2.4399	2028	17.1850%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	6/22/2021	543	522.83	0.0037	2.4399	2028	17.1850%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.6
USGS	5439500	5/19/1990	541	520.83	0.0037	2.4326	2033	17.2274%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	12/30/1990	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	4/18/1992	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	3/1/2000	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	2/17/2009	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	7/1/2017	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	3/25/2019	540	519.83	0.0037	2.4289	2034	17.2358%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	3/4/1991	539	518.83	0.0037	2.4252	2040	17.2867%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/6/1991	539	518.83	0.0037	2.4252	2040	17.2867%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	6/30/1994	539	518.83	0.0037	2.4252	2040	17.2867%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	2/16/2019	539	518.83	0.0037	2.4252	2040	17.2867%	Phosphorus, Total		mg/L	0.83	1.11	-	10.9	14.5
USGS	5439500	5/24/1998	538	517.83	0.0037	2.4215	2044	17.3206%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.5
USGS	5439500	5/18/2011	538	517.83	0.0037	2.4215	2044	17.3206%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.5
USGS	5439500	6/13/1991	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	3/26/1992	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	5/5/1998	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	6/9/2004	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	4/14/2015	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	1/15/2016	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	4/7/2020	537	516.83	0.0037	2.4178	2046	17.3375%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	11/2/1995	536	515.83	0.0037	2.4141	2053	17.3968%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	3/9/1997	536	515.83	0.0037	2.4141	2053	17.3968%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	4/7/1998	536	515.83	0.0037	2.4141	2053	17.3968%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	8/10/2010	536	515.83	0.0037	2.4141	2053	17.3968%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	2/27/2011	536	515.83	0.0037	2.4141	2053	17.3968%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	12/5/1990	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	3/7/2010	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	3/26/2011	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	11/28/2011	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	12/7/2011	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	2/2/2016	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	9/18/2019	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	3/17/2021	535	514.83	0.0037	2.4104	2058	17.4392%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	1/10/1993	534	513.83	0.0037	2.4067	2066	17.5070%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	4/21/1995	534	513.83	0.0037	2.4067	2066	17.5070%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	6/1/1999	534	513.83	0.0037	2.4067	2066	17.5070%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	12/9/2018	534	513.83	0.0037	2.4067	2066	17.5070%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	2/7/2020	534	513.83	0.0037	2.4067	2066	17.5070%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.4
USGS	5439500	5/14/1996	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	6/29/2000	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	12/10/2015	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	7/3/2018	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	3/26/2019	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	3/16/2021	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	3/2/2022	533	512.83	0.0037	2.4030	2071	17.5494%	Phosphorus, Total		mg/L	0.83	1.11	-	10.8	14.3
USGS	5439500	4/21/1991	532	511.83	0.0037	2.3994	2078	17.6087%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	6/16/1998	532	511.83	0.0037	2.3994	2078	17.6087%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	3/5/2012	532	511.83	0.0037	2.3994	2078	17.6087%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	3/22/2021	532	511.83	0.0037	2.3994	2078	17.6087%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	3/22/1990	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	3/26/1991	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	5/4/1995	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	3/11/1997	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	5/17/1998	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	5/20/2000	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	7/12/2000	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	7/1/2010	531	510.83	0.0037	2.3957	2082	17.6426%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	2/10/1991	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	12/17/2006	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	6/4/2007	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	8/11/2007	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	5/1/2013	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	6/14/2013	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	2/3/2019	530	509.83	0.0037	2.3920	2090	17.7104%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	5/23/1990	529	508.83	0.0037	2.3883	2097	17.7697%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	2/28/2019	529	508.83	0.0037	2.3883	2097	17.7697%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.3
USGS	5439500	11/15/1992	528	507.83	0.0037	2.3846	2099	17.7866%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	2/15/1998	528	507.83	0.0037	2.3846	2099	17.7866%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	10/15/2001	528	507.83	0.0037	2.3846	2099	17.7866%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	7/4/2013	528	507.83	0.0037	2.3846	2099	17.7866%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	6/11/2019	528	507.83	0.0037	2.3846	2099	17.7866%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	3/23/1990	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	11/16/1994	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	2/16/1999	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	10/29/2001	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	6/6/2016	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	12/2/2016	527	506.83	0.0037	2.3809	2104	17.8290%	Phosphorus, Total		mg/L	0.83	1.11	-	10.7	14.2
USGS	5439500	12/19/1990	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	12/26/1994	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	6/7/1999	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	3/22/2009	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	3/16/2011	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	6/1/2020	526	505.83	0.0037	2.3772	2110	17.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	1/17/1992	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	3/12/1998	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	6/4/2001	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	3/24/2008	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	12/12/2008	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	10/15/2014	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	11/23/2015	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	1/6/2016	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	5/18/2017	525	504.83	0.0037	2.3735	2116	17.9307%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.2
USGS	5439500	12/3/1991	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	7/30/1993	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/21/1995	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	6/8/1995	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/2/2007	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/18/2008	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/16/2008	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	4/10/2016	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/7/2018	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	11/9/2019	524	503.83	0.0037	2.3698	2125	18.0069%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	1/20/1995	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	8/16/1996	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/20/2008	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	7/22/2008	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/6/2009	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/21/2009	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	2/14/2019	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	11/30/2019	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/3/2022	523	502.83	0.0037	2.3661	2135	18.0917%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	4/17/1995	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/6/1998	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	6/19/2004	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	7/19/2008	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	6/2/2018	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	11/25/2019	522	501.83	0.0037	2.3625	2144	18.1680%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	4/13/1991	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/11/1992	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/8/1995	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/14/2002	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/13/2009	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	3/17/2015	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	9/5/2018	521	500.83	0.0037	2.3588	2150	18.2188%	Phosphorus, Total		mg/L	0.83	1.11	-	10.6	14.1
USGS	5439500	5/28/1997	520	499.83	0.0037	2.3551	2157	18.2781%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.1
USGS	5439500	6/23/2004	520	499.83	0.0037	2.3551	2157	18.2781%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.1
USGS	5439500	8/30/2016	520	499.83	0.0037	2.3551	2157	18.2781%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.1
USGS	5439500	4/8/2020	520	499.83	0.0037	2.3551	2157	18.2781%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/9/1991	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/14/2002	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/2/2012	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/4/2016	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	10/27/2016	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/20/2017	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	3/26/2020	519	498.83	0.0037	2.3514	2161	18.3120%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	7/7/2000	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	5/3/2003	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/7/2008	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	11/7/2009	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	3/24/2010	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	1/5/2020	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/3/2020	518	497.83	0.0037	2.3477	2168	18.3713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/8/1990	517	496.83	0.0037	2.3440	2175	18.4306%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	7/14/2017	517	496.83	0.0037	2.3440	2175	18.4306%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/2/1993	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	11/2/1994	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/8/2002	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	9/4/2007	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/24/2008	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	4/9/2011	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	7/3/2015	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	2/24/2020	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	3/15/2020	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	3/27/2022	516	495.83	0.0037	2.3403	2177	18.4476%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	14.0
USGS	5439500	5/27/1990	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	4/26/2000	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	4/20/2008	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	4/4/2014	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	1/8/2016	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	12/4/2019	515	494.83	0.0037	2.3366	2187	18.5323%	Phosphorus, Total		mg/L	0.83	1.11	-	10.5	13.9
USGS	5439500	11/10/1998	514	493.83	0.0037	2.3329	2193	18.5832%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	5/13/2000	514	493.83	0.0037	2.3329	2193	18.5832%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	5/22/2002	514	493.83	0.0037	2.3329	2193	18.5832%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	6/16/2002	514	493.83	0.0037	2.3329	2193	18.5832%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	12/22/2011	514	493.83	0.0037	2.3329	2193	18.5832%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	12/18/1990	513	492.83	0.0037	2.3292	2198	18.6255%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	3/25/1991	513	492.83	0.0037	2.3292	2198	18.6255%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	11/16/1995	513	492.83	0.0037	2.3292	2198	18.6255%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	5/11/1999	513	492.83	0.0037	2.3292	2198	18.6255%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	2/23/2002	512	491.83	0.0037	2.3255	2202	18.6594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	6/17/2019	512	491.83	0.0037	2.3255	2202	18.6594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	2/25/2020	512	491.83	0.0037	2.3255	2202	18.6594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	7/9/1998	511	490.83	0.0037	2.3219	2205	18.6849%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	10/15/2019	511	490.83	0.0037	2.3219	2205	18.6849%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.9
USGS	5439500	4/3/1991	510	489.83	0.0037	2.3182	2207	18.7018%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	3/16/1994	510	489.83	0.0037	2.3182	2207	18.7018%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	3/9/2004	510	489.83	0.0037	2.3182	2207	18.7018%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	3/24/2009	510	489.83	0.0037	2.3182	2207	18.7018%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	5/28/2016	510	489.83	0.0037	2.3182	2207	18.7018%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	2/2/1990	509	488.83	0.0037	2.3145	2212	18.7442%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	7/29/2011	509	488.83	0.0037	2.3145	2212	18.7442%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	5/19/2015	509	488.83	0.0037	2.3145	2212	18.7442%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	10/13/2018	509	488.83	0.0037	2.3145	2212	18.7442%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	1/12/2019	509	488.83	0.0037	2.3145	2212	18.7442%	Phosphorus, Total		mg/L	0.83	1.11	-	10.4	13.8
USGS	5439500	2/3/1990	508	487.83	0.0037	2.3108	2217	18.7865%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	4/2/2007	508	487.83	0.0037	2.3108	2217	18.7865%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	2/28/2011	508	487.83	0.0037	2.3108	2217	18.7865%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	5/3/2011	508	487.83	0.0037	2.3108	2217	18.7865%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	5/26/1990	507	486.83	0.0037	2.3071	2221	18.8204%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	4/27/2015	507	486.83	0.0037	2.3071	2221	18.8204%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.8
USGS	5439500	4/19/1992	506	485.83	0.0037	2.3034	2223	18.8374%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	6/16/2008	506	485.83	0.0037	2.3034	2223	18.8374%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	1/7/2009	506	485.83	0.0037	2.3034	2223	18.8374%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	4/10/2009	506	485.83	0.0037	2.3034	2223	18.8374%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	7/10/2013	505	484.83	0.0037	2.2997	2227	18.8713%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	2/19/1992	504	483.83	0.0037	2.2960	2228	18.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	9/23/2008	504	483.83	0.0037	2.2960	2228	18.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	5/22/2016	504	483.83	0.0037	2.2960	2228	18.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	3/3/2017	504	483.83	0.0037	2.2960	2228	18.8798%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	10/14/2001	503	482.83	0.0037	2.2923	2232	18.9137%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	3/5/2009	503	482.83	0.0037	2.2923	2232	18.9137%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	2/1/2012	503	482.83	0.0037	2.2923	2232	18.9137%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	6/16/2019	503	482.83	0.0037	2.2923	2232	18.9137%	Phosphorus, Total		mg/L	0.83	1.11	-	10.3	13.7
USGS	5439500	12/12/1990	502	481.83	0.0037	2.2886	2236	18.9475%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.7
USGS	5439500	3/30/2016	502	481.83	0.0037	2.2886	2236	18.9475%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.7
USGS	5439500	4/14/2017	502	481.83	0.0037	2.2886	2236	18.9475%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.7
USGS	5439500	11/8/1990	501	480.83	0.0037	2.2850	2239	18.9730%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	2/19/1991	501	480.83	0.0037	2.2850	2239	18.9730%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	5/20/1991	501	480.83	0.0037	2.2850	2239	18.9730%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	6/10/2001	501	480.83	0.0037	2.2850	2239	18.9730%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	4/5/2014	501	480.83	0.0037	2.2850	2239	18.9730%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	3/25/2008	500	479.83	0.0037	2.2813	2244	19.0153%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	1/2/2010	500	479.83	0.0037	2.2813	2244	19.0153%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	1/7/2016	500	479.83	0.0037	2.2813	2244	19.0153%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	3/28/2021	500	479.83	0.0037	2.2813	2244	19.0153%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	4/12/2022	500	479.83	0.0037	2.2813	2244	19.0153%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	12/13/1990	499	478.83	0.0037	2.2776	2249	19.0577%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	4/15/2001	499	478.83	0.0037	2.2776	2249	19.0577%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	6/4/2009	499	478.83	0.0037	2.2776	2249	19.0577%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	12/30/2016	499	478.83	0.0037	2.2776	2249	19.0577%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	6/25/1990	498	477.83	0.0037	2.2739	2253	19.0916%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	4/22/1991	498	477.83	0.0037	2.2739	2253	19.0916%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	5/10/1993	498	477.83	0.0037	2.2739	2253	19.0916%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	5/25/1999	498	477.83	0.0037	2.2739	2253	19.0916%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	5/7/2020	498	477.83	0.0037	2.2739	2253	19.0916%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.6
USGS	5439500	12/27/1994	497	476.83	0.0037	2.2702	2258	19.1340%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.5
USGS	5439500	3/25/2001	497	476.83	0.0037	2.2702	2258	19.1340%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.5
USGS	5439500	6/7/2011	497	476.83	0.0037	2.2702	2258	19.1340%	Phosphorus, Total		mg/L	0.83	1.11	-	10.2	13.5
USGS	5439500	6/1/2009	496	475.83	0.0037	2.2665	2261	19.1594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	7/28/2011	496	475.83	0.0037	2.2665	2261	19.1594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	2/6/2016	496	475.83	0.0037	2.2665	2261	19.1594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	4/9/2020	496	475.83	0.0037	2.2665	2261	19.1594%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	3/25/1994	495	474.83	0.0037	2.2628	2265	19.1933%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	6/25/1999	495	474.83	0.0037	2.2628	2265	19.1933%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	6/6/2008	495	474.83	0.0037	2.2628	2265	19.1933%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	5/8/2016	495	474.83	0.0037	2.2628	2265	19.1933%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	11/7/2018	495	474.83	0.0037	2.2628	2265	19.1933%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	1/19/1990	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	3/24/1990	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	11/4/1995	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	2/18/2009	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	3/17/2011	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	4/11/2016	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	5/20/2018	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	1/6/2019	494	473.83	0.0037	2.2591	2270	19.2357%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	6/19/1990	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	1/5/1998	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	6/23/2011	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/30/2018	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	3/24/2019	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	11/10/2019	493	472.83	0.0037	2.2554	2278	19.3034%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.5
USGS	5439500	2/27/1992	492	471.83	0.0037	2.2517	2284	19.3543%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	9/15/1993	492	471.83	0.0037	2.2517	2284	19.3543%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	6/2/2020	492	471.83	0.0037	2.2517	2284	19.3543%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	12/6/1990	491	470.83	0.0037	2.2481	2287	19.3797%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	12/22/1992	491	470.83	0.0037	2.2481	2287	19.3797%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	6/12/2019	491	470.83	0.0037	2.2481	2287	19.3797%	Phosphorus, Total		mg/L	0.83	1.11	-	10.1	13.4
USGS	5439500	3/12/1997	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	1/30/2001	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	11/30/2006	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	12/27/2006	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	4/14/2009	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	4/19/2009	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	12/17/2009	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	5/29/2017	490	469.83	0.0037	2.2444	2290	19.4051%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	5/5/1995	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	5/25/1998	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	2/28/2007	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	4/8/2008	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	3/23/2009	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	6/17/2017	489	468.83	0.0037	2.2407	2298	19.4729%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	1/18/1990	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	3/12/1995	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	2/20/2001	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	4/15/2007	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	1/25/2012	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	3/19/2013	488	467.83	0.0037	2.2370	2304	19.5238%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.4
USGS	5439500	2/25/1992	487	466.83	0.0037	2.2333	2310	19.5746%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	1/27/1993	487	466.83	0.0037	2.2333	2310	19.5746%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	3/27/2019	487	466.83	0.0037	2.2333	2310	19.5746%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	1/18/2020	487	466.83	0.0037	2.2333	2310	19.5746%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	5/8/1990	486	465.83	0.0037	2.2296	2314	19.6085%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	5/24/1990	486	465.83	0.0037	2.2296	2314	19.6085%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	6/8/1999	486	465.83	0.0037	2.2296	2314	19.6085%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	3/3/2021	486	465.83	0.0037	2.2296	2314	19.6085%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	5/11/1997	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	6/21/1998	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	6/22/2000	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	1/16/2008	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	4/12/2010	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	6/14/2010	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	6/19/2011	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	5/6/2013	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	1/16/2016	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	5/21/2017	485	464.83	0.0037	2.2259	2318	19.6424%	Phosphorus, Total		mg/L	0.83	1.11	-	10.0	13.3
USGS	5439500	1/13/1993	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	6/28/1996	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	6/15/2008	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	8/3/2010	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	4/10/2011	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	2/19/2013	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	12/11/2015	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	5/26/2018	484	463.83	0.0037	2.2222	2328	19.7271%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.3
USGS	5439500	5/8/1991	483	462.83	0.0037	2.2185	2336	19.7949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	3/25/1998	483	462.83	0.0037	2.2185	2336	19.7949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	12/29/2007	483	462.83	0.0037	2.2185	2336	19.7949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	4/15/2017	483	462.83	0.0037	2.2185	2336	19.7949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	1/17/2020	483	462.83	0.0037	2.2185	2336	19.7949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	11/30/1992	482	461.83	0.0037	2.2148	2341	19.8373%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	9/30/1993	482	461.83	0.0037	2.2148	2341	19.8373%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	3/6/2001	482	461.83	0.0037	2.2148	2341	19.8373%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	4/4/1991	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	7/11/1993	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	11/17/1994	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	5/3/2002	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	3/29/2007	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	7/17/2020	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	3/23/2021	481	460.83	0.0037	2.2112	2344	19.8627%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	8/23/1990	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	4/20/1992	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	2/10/1996	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	5/2/2013	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	7/31/2017	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	10/5/2018	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	3/27/2020	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	4/13/2022	480	459.83	0.0037	2.2075	2351	19.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	5/28/1990	479	458.83	0.0037	2.2038	2359	19.9898%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	12/28/1994	479	458.83	0.0037	2.2038	2359	19.9898%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	5/15/1996	479	458.83	0.0037	2.2038	2359	19.9898%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	6/7/2000	479	458.83	0.0037	2.2038	2359	19.9898%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	2/6/2001	479	458.83	0.0037	2.2038	2359	19.9898%	Phosphorus, Total		mg/L	0.83	1.11	-	9.9	13.2
USGS	5439500	4/16/1992	478	457.83	0.0037	2.2001	2364	20.0322%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	5/18/1998	478	457.83	0.0037	2.2001	2364	20.0322%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	7/22/2015	478	457.83	0.0037	2.2001	2364	20.0322%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	6/5/1991	477	456.83	0.0037	2.1964	2367	20.0576%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	6/9/1995	477	456.83	0.0037	2.1964	2367	20.0576%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	12/14/1996	477	456.83	0.0037	2.1964	2367	20.0576%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	2/17/1999	477	456.83	0.0037	2.1964	2367	20.0576%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	2/21/2001	477	456.83	0.0037	2.1964	2367	20.0576%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	3/1/1994	476	455.83	0.0037	2.1927	2372	20.1000%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	3/13/1995	476	455.83	0.0037	2.1927	2372	20.1000%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	1/31/2010	476	455.83	0.0037	2.1927	2372	20.1000%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	5/24/2010	476	455.83	0.0037	2.1927	2372	20.1000%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	4/22/1995	475	454.83	0.0037	2.1890	2376	20.1339%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	3/21/2007	475	454.83	0.0037	2.1890	2376	20.1339%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	3/8/2018	475	454.83	0.0037	2.1890	2376	20.1339%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	12/31/2018	475	454.83	0.0037	2.1890	2376	20.1339%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	3/16/2020	475	454.83	0.0037	2.1890	2376	20.1339%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.1
USGS	5439500	7/6/1998	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	5/31/2009	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	5/25/2010	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	3/20/2016	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	6/19/2017	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	6/16/2018	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	6/13/2019	474	453.83	0.0037	2.1853	2381	20.1763%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	12/20/1990	473	452.83	0.0037	2.1816	2388	20.2356%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	4/23/1991	473	452.83	0.0037	2.1816	2388	20.2356%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	3/18/2007	473	452.83	0.0037	2.1816	2388	20.2356%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	4/15/2014	473	452.83	0.0037	2.1816	2388	20.2356%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	10/17/2014	473	452.83	0.0037	2.1816	2388	20.2356%	Phosphorus, Total		mg/L	0.83	1.11	-	9.8	13.0
USGS	5439500	11/30/1994	472	451.83	0.0037	2.1779	2393	20.2779%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/2/2006	472	451.83	0.0037	2.1779	2393	20.2779%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	12/24/1994	471	450.83	0.0037	2.1742	2395	20.2949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	1/28/2017	471	450.83	0.0037	2.1742	2395	20.2949%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/24/1991	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/22/1995	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	1/10/1998	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	4/16/2001	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/26/2008	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/8/2010	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/11/2010	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	5/28/2010	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	12/10/2018	470	449.83	0.0037	2.1706	2397	20.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	13.0
USGS	5439500	1/18/1992	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	8/17/1996	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	5/19/1998	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	5/23/2002	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	4/3/2004	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	4/26/2008	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	3/27/2011	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	2/8/2016	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	11/26/2019	469	448.83	0.0037	2.1669	2406	20.3881%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	3/12/1993	468	447.83	0.0037	2.1632	2415	20.4644%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	7/16/2008	468	447.83	0.0037	2.1632	2415	20.4644%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	6/26/2009	468	447.83	0.0037	2.1632	2415	20.4644%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	4/15/2012	468	447.83	0.0037	2.1632	2415	20.4644%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	7/7/1998	467	446.83	0.0037	2.1595	2419	20.4983%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	10/4/1999	467	446.83	0.0037	2.1595	2419	20.4983%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	4/1/2007	467	446.83	0.0037	2.1595	2419	20.4983%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	6/3/2007	467	446.83	0.0037	2.1595	2419	20.4983%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	6/1/2015	467	446.83	0.0037	2.1595	2419	20.4983%	Phosphorus, Total		mg/L	0.83	1.11	-	9.7	12.9
USGS	5439500	7/22/1990	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	9/16/1993	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	5/11/2008	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	5/31/2008	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	11/30/2009	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	5/19/2011	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	12/26/2016	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	3/1/2017	466	445.83	0.0037	2.1558	2424	20.5406%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.9
USGS	5439500	2/7/1990	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/25/1990	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	2/11/1991	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	11/21/1992	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	2/20/1995	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	12/10/1998	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/24/2000	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/8/2008	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	12/12/2009	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/18/2011	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	7/4/2018	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	10/16/2019	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	12/5/2019	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	1/6/2020	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/29/2020	465	444.83	0.0037	2.1521	2432	20.6084%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	7/3/1990	464	443.83	0.0037	2.1484	2447	20.7355%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	1/14/1993	464	443.83	0.0037	2.1484	2447	20.7355%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	9/12/2000	464	443.83	0.0037	2.1484	2447	20.7355%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/3/2016	464	443.83	0.0037	2.1484	2447	20.7355%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	4/5/1991	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	7/31/1993	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	4/15/2002	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	5/4/2011	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	11/16/2011	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	12/8/2011	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/28/2019	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	9/27/2019	463	442.83	0.0037	2.1447	2451	20.7694%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	8/13/1994	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	12/29/1994	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	8/2/2000	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	2/10/2005	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/26/2008	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	4/15/2009	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/25/2010	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/10/2012	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	2/7/2016	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/3/2020	462	441.83	0.0037	2.1410	2459	20.8372%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/27/1992	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	5/11/1993	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/14/1995	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	3/13/2001	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	2/13/2005	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	4/3/2007	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	5/25/2015	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	6/4/2016	461	440.83	0.0037	2.1373	2469	20.9220%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.8
USGS	5439500	1/21/1993	460	439.83	0.0037	2.1337	2477	20.9897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.7
USGS	5439500	6/26/1998	460	439.83	0.0037	2.1337	2477	20.9897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.7
USGS	5439500	4/15/2013	460	439.83	0.0037	2.1337	2477	20.9897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.7
USGS	5439500	1/13/2019	460	439.83	0.0037	2.1337	2477	20.9897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.7
USGS	5439500	11/11/2019	460	439.83	0.0037	2.1337	2477	20.9897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.6	12.7
USGS	5439500	5/25/1990	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	12/16/1990	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	4/21/1992	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/13/1997	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	2/16/1998	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/15/2002	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	2/19/2005	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/23/2008	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	1/8/2009	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	6/7/2016	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	6/3/2018	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	6/18/2019	459	438.83	0.0037	2.1300	2482	21.0321%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	12/15/1996	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	5/29/1997	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/13/1998	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	7/28/2007	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/16/2012	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	4/15/2015	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	7/4/2015	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	5/23/2016	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	5/22/2017	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	7/6/2017	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	2/27/2022	458	437.83	0.0037	2.1263	2494	21.1338%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	3/12/1992	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	6/20/2004	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	12/3/2006	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	11/8/2009	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	11/29/2011	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	10/28/2017	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	4/18/2019	457	436.83	0.0037	2.1226	2505	21.2270%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.7
USGS	5439500	11/5/1990	456	435.83	0.0037	2.1189	2512	21.2863%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	1/11/1993	456	435.83	0.0037	2.1189	2512	21.2863%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	4/10/1995	456	435.83	0.0037	2.1189	2512	21.2863%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	1/21/1995	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	3/22/1999	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	6/13/2006	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	5/10/2012	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	6/24/2016	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	5/8/2020	455	434.83	0.0037	2.1152	2515	21.3118%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/26/1994	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	3/26/1998	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	3/8/2002	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	5/17/2003	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	3/21/2008	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	2/19/2009	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	3/25/2014	454	433.83	0.0037	2.1115	2521	21.3626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.5	12.6
USGS	5439500	12/16/1996	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	5/17/2008	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	3/20/2011	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	1/20/2016	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	11/6/2018	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	2/8/2020	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	3/31/2022	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	4/21/2022	453	432.83	0.0037	2.1078	2528	21.4219%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	5/9/1990	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	5/17/1991	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	5/21/1991	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	11/14/1998	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	3/30/2019	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	6/30/2020	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	2/20/2022	452	431.83	0.0037	2.1041	2536	21.4897%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.6
USGS	5439500	3/25/1992	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	8/18/1995	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/10/2007	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/14/2014	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	4/26/2015	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	3/17/2020	451	430.83	0.0037	2.1004	2543	21.5490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	12/31/1990	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	5/25/1991	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	12/4/1991	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	2/20/1992	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	7/1/1994	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	1/7/1995	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	5/6/1995	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	2/9/1996	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	1/5/1997	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/30/2000	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	4/17/2001	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/17/2002	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	7/2/2010	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	11/24/2015	450	429.83	0.0037	2.0968	2549	21.5999%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	12/11/1990	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/28/1995	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/17/1998	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	9/5/2007	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	12/16/2009	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	8/11/2010	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	2/3/2012	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	7/11/2014	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	5/19/2017	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	1/19/2020	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	3/19/2020	449	428.83	0.0037	2.0931	2563	21.7185%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	4/15/1990	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	12/17/1990	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	4/27/2000	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	6/5/2009	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	8/15/2010	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	5/20/2015	448	427.83	0.0037	2.0894	2574	21.8117%	Phosphorus, Total		mg/L	0.83	1.11	-	9.4	12.5
USGS	5439500	10/5/1999	447	426.83	0.0037	2.0857	2580	21.8626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	3/14/2001	447	426.83	0.0037	2.0857	2580	21.8626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	5/3/2007	447	426.83	0.0037	2.0857	2580	21.8626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	12/13/2008	447	426.83	0.0037	2.0857	2580	21.8626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	5/14/2018	447	426.83	0.0037	2.0857	2580	21.8626%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	6/14/1991	446	425.83	0.0037	2.0820	2585	21.9049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	3/14/1997	446	425.83	0.0037	2.0820	2585	21.9049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	12/11/2009	446	425.83	0.0037	2.0820	2585	21.9049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	7/17/2014	446	425.83	0.0037	2.0820	2585	21.9049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	4/24/1991	445	424.83	0.0037	2.0783	2589	21.9388%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	3/27/1994	445	424.83	0.0037	2.0783	2589	21.9388%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	5/22/2009	445	424.83	0.0037	2.0783	2589	21.9388%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	4/5/2016	445	424.83	0.0037	2.0783	2589	21.9388%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	4/10/2020	445	424.83	0.0037	2.0783	2589	21.9388%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	6/20/1990	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	3/2/2000	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	4/21/2008	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	4/11/2009	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	1/16/2017	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	5/6/2018	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	3/29/2019	444	423.83	0.0037	2.0746	2594	21.9812%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	11/17/1995	443	422.83	0.0037	2.0709	2601	22.0405%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.4
USGS	5439500	7/12/1993	442	421.83	0.0037	2.0672	2602	22.0490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.3
USGS	5439500	5/9/2016	442	421.83	0.0037	2.0672	2602	22.0490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.3
USGS	5439500	5/20/2017	442	421.83	0.0037	2.0672	2602	22.0490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.3
USGS	5439500	2/17/2022	442	421.83	0.0037	2.0672	2602	22.0490%	Phosphorus, Total		mg/L	0.83	1.11	-	9.3	12.3
USGS	5439500	4/13/2010	441	420.83	0.0037	2.0635	2606	22.0829%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	4/16/2019	441	420.83	0.0037	2.0635	2606	22.0829%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	12/7/1990	440	419.83	0.0037	2.0599	2608	22.0998%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	5/9/1991	440	419.83	0.0037	2.0599	2608	22.0998%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	10/14/2018	440	419.83	0.0037	2.0599	2608	22.0998%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	2/26/2020	440	419.83	0.0037	2.0599	2608	22.0998%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	8/15/1994	439	418.83	0.0037	2.0562	2612	22.1337%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	11/18/1994	439	418.83	0.0037	2.0562	2612	22.1337%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	4/26/1995	439	418.83	0.0037	2.0562	2612	22.1337%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	3/14/2016	439	418.83	0.0037	2.0562	2612	22.1337%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.3
USGS	5439500	6/26/1990	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	4/6/1991	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/10/1995	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	5/24/2002	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	12/23/2011	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/15/2013	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	12/13/2015	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	4/12/2016	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/18/2016	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	4/28/2019	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	3/29/2021	438	417.83	0.0037	2.0525	2616	22.1676%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	5/29/1990	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	12/14/1990	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	3/29/1995	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/29/1996	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	8/2/2010	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/20/2011	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	2/20/2016	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	4/21/2017	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	6/4/2020	437	416.83	0.0037	2.0488	2627	22.2608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	3/26/1990	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	5/22/1991	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	2/28/1992	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	8/18/1996	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	3/26/2001	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/19/2007	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	4/11/2011	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	11/20/2019	436	415.83	0.0037	2.0451	2636	22.3371%	Phosphorus, Total		mg/L	0.83	1.11	-	9.2	12.2
USGS	5439500	1/10/1990	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	12/1/1992	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	4/9/1999	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	4/4/2007	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	6/15/2010	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	5/5/2011	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	12/12/2015	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	8/29/2016	435	414.83	0.0037	2.0414	2644	22.4049%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	2/7/2001	434	413.83	0.0037	2.0377	2652	22.4727%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	10/24/2017	434	413.83	0.0037	2.0377	2652	22.4727%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	6/20/2019	434	413.83	0.0037	2.0377	2652	22.4727%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.2
USGS	5439500	11/9/1990	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	5/12/1993	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	2/17/1998	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	10/30/2001	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/24/2004	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	1/17/2008	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/8/2011	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	4/19/2022	433	412.83	0.0037	2.0340	2655	22.4981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	12/15/1990	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	1/16/1992	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	8/19/1996	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	5/11/2001	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	11/27/2011	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/14/2019	432	411.83	0.0037	2.0303	2663	22.5659%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	4/16/1990	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/6/1991	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	5/26/1999	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	3/7/2001	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/11/2001	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/13/2013	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	7/5/2013	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/11/2020	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	3/1/2021	431	410.83	0.0037	2.0266	2669	22.6167%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	12/21/1990	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	3/17/1994	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	3/15/1995	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	7/8/2000	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	2/24/2002	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	12/18/2006	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	2/6/2008	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	6/22/2011	430	409.83	0.0037	2.0229	2678	22.6930%	Phosphorus, Total		mg/L	0.83	1.11	-	9.1	12.1
USGS	5439500	1/19/1992	429	408.83	0.0037	2.0193	2686	22.7608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.1
USGS	5439500	2/28/1996	429	408.83	0.0037	2.0193	2686	22.7608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.1
USGS	5439500	6/26/1999	429	408.83	0.0037	2.0193	2686	22.7608%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.1
USGS	5439500	1/5/1990	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	1/13/1995	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	10/23/1998	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	12/1/2009	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	3/6/2010	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	3/1/2019	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	7/19/2019	428	407.83	0.0037	2.0156	2689	22.7862%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	2/28/1998	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	6/10/1998	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	10/2/1999	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	6/1/2008	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	6/17/2008	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	3/11/2012	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	5/24/2017	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	12/1/2018	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	2/17/2019	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	6/15/2019	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	12/6/2019	427	406.83	0.0037	2.0119	2696	22.8455%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	2/20/1991	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	4/11/1999	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	1/9/2009	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	5/24/2016	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	10/28/2016	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	3/18/2020	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	4/13/2020	426	405.83	0.0037	2.0082	2707	22.9387%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	4/23/1995	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	5/7/1995	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	5/26/1998	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	4/7/2001	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	2/1/2010	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	3/29/2014	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	11/8/2018	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	1/7/2020	425	404.83	0.0037	2.0045	2714	22.9981%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	12.0
USGS	5439500	6/7/1993	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	10/1/1993	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	3/2/1994	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	3/27/1998	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	5/17/2006	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	7/13/2007	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	3/28/2011	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	3/21/2016	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	7/10/2017	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	11/12/2019	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	4/26/2020	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	3/28/2022	424	403.83	0.0037	2.0008	2722	23.0658%	Phosphorus, Total		mg/L	0.83	1.11	-	9.0	11.9
USGS	5439500	1/26/1990	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	2/6/1990	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	4/22/1992	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	6/18/1998	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	12/12/2006	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	4/17/2012	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/31/2019	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	6/19/2019	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	11/19/2019	423	402.83	0.0037	1.9971	2734	23.1675%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	8/1/1993	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	8/15/2007	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/28/2008	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	5/6/2011	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	5/7/2013	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	7/8/2013	422	401.83	0.0037	1.9934	2743	23.2438%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/14/1998	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	7/4/1998	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/22/2008	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	6/6/2010	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	6/21/2011	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	7/7/2016	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	9/1/2016	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/9/2018	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	10/17/2019	421	400.83	0.0037	1.9897	2749	23.2946%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	12/7/1991	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	3/8/1998	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	2/18/1999	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/7/2008	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	9/24/2008	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	9/30/2008	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	12/3/2016	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	1/14/2019	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	10/22/2019	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	5/9/2020	420	399.83	0.0037	1.9860	2758	23.3709%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.9
USGS	5439500	12/23/1992	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	12/30/1994	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	6/29/1995	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	6/23/2000	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	6/13/2010	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	4/12/2020	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	3/20/2022	419	398.83	0.0037	1.9824	2768	23.4556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	1/22/1995	418	397.83	0.0037	1.9787	2775	23.5150%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	11/21/1995	418	397.83	0.0037	1.9787	2775	23.5150%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	2/22/2001	418	397.83	0.0037	1.9787	2775	23.5150%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	3/30/2007	418	397.83	0.0037	1.9787	2775	23.5150%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	8/1/2017	418	397.83	0.0037	1.9787	2775	23.5150%	Phosphorus, Total		mg/L	0.83	1.11	-	8.9	11.8
USGS	5439500	3/4/1990	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	2/4/1993	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	8/17/1995	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	5/12/1997	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	5/21/2000	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	11/12/2000	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	3/26/2010	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	3/19/2011	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	4/27/2020	417	396.83	0.0037	1.9750	2780	23.5573%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	5/4/1997	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	8/24/2002	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	3/10/2004	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	12/21/2006	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	4/16/2009	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	3/18/2015	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	11/5/2016	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	1/26/2018	416	395.83	0.0037	1.9713	2789	23.6336%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.8
USGS	5439500	5/16/1996	415	394.83	0.0037	1.9676	2797	23.7014%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/8/2000	415	394.83	0.0037	1.9676	2797	23.7014%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	7/10/2000	415	394.83	0.0037	1.9676	2797	23.7014%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	7/11/2017	415	394.83	0.0037	1.9676	2797	23.7014%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	1/12/1993	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	11/9/2009	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	5/21/2015	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	7/23/2015	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	11/25/2015	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	5/3/2018	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	3/9/2020	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	4/11/2020	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	11/26/2020	414	393.83	0.0037	1.9639	2801	23.7353%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/22/1990	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	8/29/1990	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	5/30/1997	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	2/8/2001	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	3/27/2008	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	5/23/2009	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/6/2009	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/27/2009	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	2/4/2012	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/10/2016	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	10/15/2018	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	4/14/2020	413	392.83	0.0037	1.9602	2810	23.8115%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	4/7/1991	412	391.83	0.0037	1.9565	2822	23.9132%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	11/5/1994	412	391.83	0.0037	1.9565	2822	23.9132%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	3/30/1995	412	391.83	0.0037	1.9565	2822	23.9132%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	5/12/2001	412	391.83	0.0037	1.9565	2822	23.9132%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	1/19/2016	412	391.83	0.0037	1.9565	2822	23.9132%	Phosphorus, Total		mg/L	0.83	1.11	-	8.8	11.7
USGS	5439500	6/21/1990	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	8/20/1996	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	5/3/1997	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	2/21/2005	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	6/24/2011	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	1/22/2018	411	390.83	0.0037	1.9528	2827	23.9556%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.7
USGS	5439500	12/16/1991	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/18/1995	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	3/8/2001	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	3/15/2006	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/19/2006	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	1/29/2008	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/25/2009	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	5/20/2011	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/9/2011	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	6/2/2015	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/11/2018	410	389.83	0.0037	1.9491	2833	24.0064%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/16/1992	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	7/5/1995	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	6/12/2010	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	6/8/2016	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/31/2016	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/20/2017	409	388.83	0.0037	1.9455	2844	24.0997%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	1/6/1990	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	1/28/1993	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	10/18/1993	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	3/28/1995	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/20/1995	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	2/18/1998	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/12/2009	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/18/2011	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	6/1/2013	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	3/1/2022	408	387.83	0.0037	1.9418	2850	24.1505%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/21/1990	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/25/1991	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	2/22/1995	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	6/9/1999	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/28/2006	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/30/2007	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	9/30/2011	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/17/2011	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	7/12/2014	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	4/16/2015	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	7/5/2015	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	7/6/2015	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	11/27/2018	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	2/9/2020	407	386.83	0.0037	1.9381	2860	24.2352%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.6
USGS	5439500	12/8/1990	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	3/13/1992	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	6/11/1995	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	7/1/2000	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	5/25/2002	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	6/18/2002	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	4/14/2014	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/23/2017	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	3/2/2019	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	11/13/2019	406	385.83	0.0037	1.9344	2874	24.3539%	Phosphorus, Total		mg/L	0.83	1.11	-	8.7	11.5
USGS	5439500	3/27/1990	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	7/4/1990	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/28/1994	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/8/2005	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/9/2008	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/13/2009	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/16/2014	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/28/2015	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/30/2017	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	1/21/2020	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/28/2020	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/10/2020	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	7/4/2021	405	384.83	0.0037	1.9307	2884	24.4386%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	1/21/2016	404	383.83	0.0037	1.9270	2897	24.5488%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	2/9/2016	404	383.83	0.0037	1.9270	2897	24.5488%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	6/26/2020	404	383.83	0.0037	1.9270	2897	24.5488%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/10/1991	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/16/1995	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/24/1995	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	1/18/2008	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/28/2008	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	6/7/2008	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	6/17/2010	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/7/2011	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/17/2012	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	1/17/2016	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	7/2/2017	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	6/24/2019	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	3/30/2021	403	382.83	0.0037	1.9233	2900	24.5742%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	4/16/2002	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	1/17/2005	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	2/5/2005	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	2/20/2005	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	2/21/2016	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/25/2016	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	5/11/2020	402	381.83	0.0037	1.9196	2913	24.6843%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.5
USGS	5439500	6/27/1990	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	11/29/1991	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/15/1993	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	4/14/2010	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	3/13/2014	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	4/1/2019	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	6/21/2019	401	380.83	0.0037	1.9159	2920	24.7437%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	5/30/1990	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	2/22/1991	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	12/5/1991	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	5/13/1993	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	12/26/1993	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/8/1995	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	2/11/1996	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	3/28/1998	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	12/13/2003	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	3/19/2007	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/4/2008	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/19/2008	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/30/2008	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	2/5/2008	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	3/29/2008	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	1/3/2010	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	2/5/2012	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	4/16/2013	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	4/13/2016	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	10/19/2017	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	12/12/2018	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	9/19/2019	400	379.83	0.0037	1.9122	2927	24.8030%	Phosphorus, Total		mg/L	0.83	1.11	-	8.6	11.4
USGS	5439500	11/19/1995	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	4/28/2000	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	5/4/2007	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	4/27/2008	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	5/18/2008	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	4/5/2010	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	5/29/2010	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	6/16/2010	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	12/24/2011	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	11/14/2019	399	378.83	0.0037	1.9086	2949	24.9894%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	3/17/1991	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	6/1/2001	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	5/8/2003	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	4/4/2004	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	3/11/2008	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	3/22/2016	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	3/4/2017	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	6/5/2020	398	377.83	0.0037	1.9049	2959	25.0741%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.4
USGS	5439500	3/5/1991	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	7/13/1993	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	12/1/1994	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	6/30/1996	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	5/14/2000	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	7/13/2000	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	8/5/2008	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	7/3/2010	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	11/30/2011	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	10/23/2019	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	12/7/2019	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/20/2022	397	376.83	0.0037	1.9012	2967	25.1419%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	10/5/1991	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	12/2/1992	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	1/31/1993	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	5/26/2002	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	9/6/2007	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/22/2008	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	2/13/2013	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	5/25/2017	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/18/2020	396	375.83	0.0037	1.8975	2979	25.2436%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	3/3/1990	395	374.83	0.0037	1.8938	2988	25.3199%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	8/1/2000	395	374.83	0.0037	1.8938	2988	25.3199%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	6/20/2017	395	374.83	0.0037	1.8938	2988	25.3199%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	6/25/2019	395	374.83	0.0037	1.8938	2988	25.3199%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	2/27/1990	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/11/1992	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	2/8/1993	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/16/2007	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	3/29/2011	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	6/2/2013	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/19/2020	394	373.83	0.0037	1.8901	2992	25.3538%	Phosphorus, Total		mg/L	0.83	1.11	-	8.5	11.3
USGS	5439500	4/22/1990	393	372.83	0.0037	1.8864	2999	25.4131%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.3
USGS	5439500	3/15/1997	393	372.83	0.0037	1.8864	2999	25.4131%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/22/1998	393	372.83	0.0037	1.8864	2999	25.4131%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.3
USGS	5439500	1/15/2019	393	372.83	0.0037	1.8864	2999	25.4131%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.3
USGS	5439500	4/2/2019	393	372.83	0.0037	1.8864	2999	25.4131%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.3
USGS	5439500	4/17/1990	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	12/17/1996	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	6/2/2007	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	1/23/2012	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	7/11/2013	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	4/12/2021	392	371.83	0.0037	1.8827	3004	25.4555%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	2/29/1992	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	5/29/1998	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	6/27/1999	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	3/27/2001	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	5/4/2015	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	11/26/2018	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	1/23/2019	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	10/18/2019	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	1/8/2020	391	370.83	0.0037	1.8790	3010	25.5063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	1/11/1990	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	2/4/1990	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	3/3/1994	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	11/3/1994	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	12/31/1994	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	3/12/2001	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	6/12/2001	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	5/3/2006	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	2/1/2008	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	8/13/2010	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	8/25/2011	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	7/15/2017	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	12/8/2019	390	369.83	0.0037	1.8753	3019	25.5826%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	4/8/1991	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	6/5/1993	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	1/24/1995	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	8/21/1996	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	3/23/1999	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	7/2/2000	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	2/27/2007	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	4/17/2009	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	8/12/2010	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	10/16/2018	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	12/9/2019	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	2/10/2020	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	3/3/2020	389	368.83	0.0037	1.8716	3032	25.6927%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.2
USGS	5439500	6/7/1991	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	10/31/2001	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	5/27/2018	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	6/17/2018	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	1/20/2020	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	12/13/2020	388	367.83	0.0037	1.8680	3045	25.8029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.4	11.1
USGS	5439500	11/10/1990	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	5/17/1996	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/1/1998	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/3/2000	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	6/20/2007	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	5/24/2009	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	6/7/2009	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	6/18/2010	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	1/29/2017	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	1/25/2020	387	366.83	0.0037	1.8643	3051	25.8537%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	12/10/1990	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	4/26/1991	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	1/6/1997	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	5/4/2002	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/27/2010	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/28/2014	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	4/19/2019	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	4/15/2020	386	365.83	0.0037	1.8606	3061	25.9385%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	7/2/1994	385	364.83	0.0037	1.8569	3069	26.0063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	12/11/1998	385	364.83	0.0037	1.8569	3069	26.0063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	11/18/2019	385	364.83	0.0037	1.8569	3069	26.0063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	2/27/2020	385	364.83	0.0037	1.8569	3069	26.0063%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/28/1990	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	2/12/1991	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	3/18/1994	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	8/23/1996	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	2/23/2001	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	8/12/2007	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	4/12/2011	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	11/9/2018	384	363.83	0.0037	1.8532	3073	26.0402%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.1
USGS	5439500	8/24/1990	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	3/28/1992	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	8/12/1994	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	4/25/1995	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	5/27/1999	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	7/9/2000	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	2/20/2002	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	3/16/2002	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	10/25/2008	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	2/20/2009	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	5/8/2013	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	6/12/2021	383	362.83	0.0037	1.8495	3081	26.1080%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	8/2/1993	382	361.83	0.0037	1.8458	3093	26.2096%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	6/25/2004	382	361.83	0.0037	1.8458	3093	26.2096%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	4/28/2017	382	361.83	0.0037	1.8458	3093	26.2096%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	3/21/2022	382	361.83	0.0037	1.8458	3093	26.2096%	Phosphorus, Total		mg/L	0.83	1.11	-	8.3	11.0
USGS	5439500	3/31/1995	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	5/5/1997	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	5/8/2011	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	7/25/2011	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/6/2012	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/1/2016	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	7/5/2018	381	360.83	0.0037	1.8421	3097	26.2435%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	4/23/1990	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	4/27/1991	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	12/17/1991	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	11/19/1994	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/9/1995	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	6/12/1995	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	11/15/1998	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	4/18/2001	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	3/31/2007	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/20/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/21/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/28/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/31/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/2/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/3/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/4/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/8/2008	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/2/2010	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	4/14/2016	380	359.83	0.0037	1.8384	3104	26.3029%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	2/3/1993	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	4/14/1997	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	5/28/1998	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	3/30/2014	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	11/19/2017	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	1/26/2020	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	3/2/2020	379	358.83	0.0037	1.8347	3123	26.4639%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	11.0
USGS	5439500	12/9/1990	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	4/23/1992	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	5/27/1998	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	11/10/2009	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	6/7/2010	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	3/10/2018	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	11/28/2018	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	11/15/2019	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	2/16/2020	378	357.83	0.0037	1.8311	3130	26.5232%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	6/26/1997	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	10/9/2008	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	10/27/2008	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	5/21/2011	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	12/25/2011	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	3/23/2016	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	6/9/2016	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	1/22/2020	377	356.83	0.0037	1.8274	3139	26.5994%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	2/12/1990	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	2/21/1991	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	4/24/1992	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	7/6/1995	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	5/31/1997	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	2/19/1999	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	12/2/2009	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	4/22/2017	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	1/16/2019	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	1/23/2020	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	3/4/2020	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	5/12/2020	376	355.83	0.0037	1.8237	3147	26.6672%	Phosphorus, Total		mg/L	0.83	1.11	-	8.2	10.9
USGS	5439500	5/14/1993	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	3/9/2001	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	2/25/2002	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	4/25/2008	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	3/30/2011	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	3/26/2014	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	6/25/2016	375	354.83	0.0037	1.8200	3159	26.7689%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.9
USGS	5439500	2/24/1990	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/28/1990	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/8/2001	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/30/2008	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/22/2012	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	7/18/2014	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	2/10/2016	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	7/17/2017	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	2/18/2019	374	353.83	0.0037	1.8163	3166	26.8282%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/27/1990	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/30/1990	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/23/1995	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/10/2006	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	12/31/2011	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	5/22/2015	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/3/2015	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/29/2017	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	5/30/2018	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	10/19/2019	373	352.83	0.0037	1.8126	3175	26.9045%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	5/31/1990	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	11/12/1992	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/17/1995	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/29/1998	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	7/23/2007	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	10/1/2008	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/18/2009	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/15/2010	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/31/2013	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	7/1/2020	372	351.83	0.0037	1.8089	3185	26.9892%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/12/1992	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	10/16/2001	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	5/18/2006	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/28/2009	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/28/2010	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	11/18/2011	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/6/2020	371	350.83	0.0037	1.8052	3195	27.0740%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/29/1990	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/28/1991	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/20/1992	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	11/22/1995	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/24/1997	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/22/2001	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	2/24/2004	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	5/5/2007	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/22/2008	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	12/26/2011	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	7/6/2013	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/6/2014	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	1/22/2016	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	3/10/2016	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	6/19/2016	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/3/2019	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	4/16/2020	370	349.83	0.0037	1.8015	3202	27.1333%	Phosphorus, Total		mg/L	0.83	1.11	-	8.1	10.8
USGS	5439500	10/2/1993	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	11/5/1995	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	1/10/2009	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	12/10/2011	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	12/13/2018	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	2/11/2020	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/29/2022	369	348.83	0.0037	1.7978	3219	27.2773%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/13/1997	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	12/31/2007	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	1/1/2012	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/18/2012	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/22/2014	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/11/2016	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/26/2017	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/2/2017	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/31/2021	368	347.83	0.0037	1.7942	3226	27.3367%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/22/1996	367	346.83	0.0037	1.7905	3235	27.4129%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/9/2010	367	346.83	0.0037	1.7905	3235	27.4129%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	6/22/2019	367	346.83	0.0037	1.7905	3235	27.4129%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	12/10/2019	367	346.83	0.0037	1.7905	3235	27.4129%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/14/1992	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/20/1994	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/28/1995	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/24/1996	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/22/2000	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/18/2003	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/9/2011	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	8/21/2011	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	4/17/2015	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	12/4/2016	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	3/3/2019	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	1/9/2020	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	4/17/2020	366	345.83	0.0037	1.7868	3239	27.4468%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.7
USGS	5439500	5/11/1991	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	7/14/1993	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/26/1997	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	5/21/2003	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	4/29/2008	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	5/22/2011	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	5/11/2012	365	344.83	0.0037	1.7831	3252	27.5570%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	2/26/1990	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/5/1990	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/31/1990	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/13/1993	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/5/1994	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	1/12/1998	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	6/28/1999	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	6/9/2000	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	3/11/2001	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	6/19/2002	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	6/18/2008	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	7/23/2008	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	7/24/2015	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	4/15/2016	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	6/11/2016	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	8/1/2016	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	4/4/2019	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	7/4/2019	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	1/10/2020	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	1/24/2020	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	11/27/2020	364	343.83	0.0037	1.7794	3259	27.6163%	Phosphorus, Total		mg/L	0.83	1.11	-	8.0	10.6
USGS	5439500	7/1/1996	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	3/15/1998	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	7/10/1998	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	9/7/2007	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	9/25/2008	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	6/3/2010	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	3/31/2011	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	4/8/2011	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	2/11/2013	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	10/18/2014	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	10/29/2017	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	1/24/2019	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	11/17/2019	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	5/13/2020	363	342.83	0.0037	1.7757	3280	27.7943%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	1/27/1995	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	2/11/2005	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	6/14/2006	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	8/31/2009	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	12/13/2009	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	6/25/2011	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	7/30/2011	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	5/31/2017	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	6/23/2019	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	3/5/2020	362	341.83	0.0037	1.7720	3294	27.9129%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	4/25/1992	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	4/29/2000	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	4/17/2002	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	2/22/2005	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	7/4/2010	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	11/16/2019	361	340.83	0.0037	1.7683	3304	27.9976%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.6
USGS	5439500	2/13/1990	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	4/24/1990	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	12/22/1990	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/1/1991	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	6/15/1991	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/10/1995	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/18/1996	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/23/2008	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/24/2008	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/25/2008	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/26/2008	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/27/2008	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/30/2010	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	12/27/2011	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	2/28/2022	360	339.83	0.0037	1.7646	3310	28.0485%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/15/1993	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	2/19/1998	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	6/11/2000	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	3/28/2001	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/26/2008	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	12/14/2008	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	6/16/2013	359	338.83	0.0037	1.7609	3325	28.1756%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	6/8/1991	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/16/1993	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/1/2003	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	3/11/2004	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	4/5/2007	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	5/25/2009	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	1/26/2012	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	2/28/2012	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	10/17/2018	358	337.83	0.0037	1.7573	3332	28.2349%	Phosphorus, Total		mg/L	0.83	1.11	-	7.9	10.5
USGS	5439500	4/14/1990	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	7/23/1990	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	2/21/1992	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	10/19/1993	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	1/26/1995	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	6/27/1995	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	3/16/1997	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	3/20/2013	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	7/5/2017	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	9/9/2020	357	336.83	0.0037	1.7536	3341	28.3112%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.5
USGS	5439500	2/23/1991	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/29/1994	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	12/23/1994	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/11/1998	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/23/2008	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/28/2008	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/11/2009	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/31/2010	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/23/2016	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	11/29/2018	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/17/2019	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	10/20/2019	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/20/2020	356	335.83	0.0037	1.7499	3351	28.3959%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/6/1993	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/4/2000	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/21/2001	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/11/2007	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	12/3/2009	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/9/2013	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/8/2017	355	334.83	0.0037	1.7462	3364	28.5061%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/9/1990	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/1/1990	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/28/1999	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/11/2001	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/23/2001	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	11/11/2009	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	2/3/2010	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/2/2010	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/1/2011	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	12/1/2011	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/17/2014	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/29/2015	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/13/2015	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	2/11/2016	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/5/2017	354	333.83	0.0037	1.7425	3371	28.5654%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	2/11/1990	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/15/1997	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/30/1998	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/9/2001	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/19/2001	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/20/2003	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/9/2005	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/5/2010	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/5/2010	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	11/10/2018	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/26/2019	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/12/2020	353	332.83	0.0037	1.7388	3386	28.6925%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	2/23/1990	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	8/30/1990	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/30/1991	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/1/1992	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	6/13/1995	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	10/24/1998	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	5/20/2005	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/16/2010	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	8/16/2010	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/2/2012	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	10/24/2019	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	1/27/2020	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	3/30/2022	352	331.83	0.0037	1.7351	3398	28.7942%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.4
USGS	5439500	4/18/1990	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	4/29/1991	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	12/2/1994	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	5/1/2006	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	3/20/2007	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	8/16/2007	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	5/26/2009	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	5/10/2011	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	2/7/2012	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	5/10/2013	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	3/7/2017	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	4/27/2017	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	12/14/2018	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	1/22/2019	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	1/27/2019	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	2/12/2020	351	330.83	0.0037	1.7314	3411	28.9043%	Phosphorus, Total		mg/L	0.83	1.11	-	7.8	10.3
USGS	5439500	7/5/1990	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	12/6/1991	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	12/27/1993	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	1/11/1995	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	1/12/1995	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/20/1997	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/24/1999	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/28/2001	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	6/13/2001	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/2/2002	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/7/2005	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	6/19/2007	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	1/3/2008	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	2/9/2008	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	2/25/2008	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/29/2010	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	4/13/2011	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	2/19/2019	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	10/21/2019	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	2/23/2020	350	329.83	0.0037	1.7277	3427	29.0399%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/29/1992	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	11/4/1994	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	11/21/1994	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/27/1997	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/3/1999	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	12/19/2006	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	4/12/2007	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	7/17/2008	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	6/9/2010	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	1/4/2012	349	328.83	0.0037	1.7240	3447	29.2094%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	4/2/1990	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	10/6/1999	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	4/6/2001	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/27/2002	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/21/2005	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/13/2006	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	9/8/2007	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	5/19/2008	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	11/19/2011	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	12/3/2011	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	2/12/2016	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	6/18/2018	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	6/23/2021	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	3/7/2022	348	327.83	0.0037	1.7203	3457	29.2941%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.3
USGS	5439500	4/1/1990	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	4/10/2001	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	1/4/2010	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	12/28/2011	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/19/2015	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	9/2/2018	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	6/7/2020	347	326.83	0.0037	1.7167	3471	29.4128%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/8/1990	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	6/2/1990	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	6/3/1990	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/6/1991	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/30/1998	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/1/2005	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/31/2014	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	1/23/2016	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	4/16/2016	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	2/2/2019	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	10/23/2020	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/4/2022	346	325.83	0.0037	1.7130	3478	29.4721%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	10/18/1990	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	1/29/1993	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	6/23/1998	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	11/1/2001	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	4/5/2004	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	5/16/2006	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	8/14/2007	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	4/5/2011	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	2/22/2016	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	9/22/2016	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	1/1/2017	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	12/15/2018	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	7/20/2019	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	3/6/2020	345	324.83	0.0037	1.7093	3490	29.5738%	Phosphorus, Total		mg/L	0.83	1.11	-	7.7	10.2
USGS	5439500	1/1/1995	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	10/3/1999	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	3/10/2001	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	2/21/2009	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	6/1/2010	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	6/15/2014	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	3/10/2015	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	11/21/2017	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	2/28/2020	344	323.83	0.0037	1.7056	3504	29.6924%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	4/20/1990	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	5/12/1991	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	5/23/2000	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	4/20/2001	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	6/26/2004	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	11/12/2009	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	12/11/2011	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	1/18/2019	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	2/13/2020	343	322.83	0.0037	1.7019	3513	29.7687%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.2
USGS	5439500	4/26/1992	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/24/1992	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	8/3/1993	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/2/1998	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	4/23/2017	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/3/2019	342	321.83	0.0037	1.6982	3522	29.8449%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	6/12/1991	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/3/1992	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/3/1994	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	11/1/1994	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/3/1996	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/30/1997	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	5/15/2000	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/29/2001	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/8/2004	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	1/1/2008	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	4/17/2011	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	1/3/2012	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	5/22/2014	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	6/4/2015	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/3/2017	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/11/2018	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/6/2018	341	320.83	0.0037	1.6945	3528	29.8958%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/18/1991	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	1/25/1995	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	7/2/1996	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	5/6/1997	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	6/1/1997	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/17/1998	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	4/12/1999	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	4/16/2011	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	5/11/2011	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/5/2016	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	6/21/2017	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	10/26/2019	340	319.83	0.0037	1.6908	3545	30.0398%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/20/1991	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	1/20/1993	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	11/23/1995	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/17/1997	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/29/1997	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	2/20/1999	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/4/1999	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	9/22/2001	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/17/2002	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/29/2006	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	1/6/2010	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	4/1/2014	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	3/27/2015	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	6/20/2016	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	8/28/2016	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	11/6/2016	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	12/14/2020	339	318.83	0.0037	1.6871	3557	30.1415%	Phosphorus, Total		mg/L	0.83	1.11	-	7.6	10.1
USGS	5439500	11/17/1992	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/4/2003	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/17/2007	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	6/29/2009	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/4/2011	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/11/2013	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/7/2018	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/21/2020	338	317.83	0.0037	1.6834	3574	30.2856%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	11/3/1992	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	11/20/1994	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/1/1995	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	11/13/2000	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	6/8/2010	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/12/2016	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	6/1/2017	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	11/30/2018	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/23/2022	337	316.83	0.0037	1.6798	3582	30.3534%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/2/1992	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	7/15/1993	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/2/2011	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	12/30/2011	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/19/2012	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/24/2012	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/27/2014	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/21/2014	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/20/2019	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	12/11/2019	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/9/2020	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	2/21/2022	336	315.83	0.0037	1.6761	3591	30.4296%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/3/1990	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/25/1990	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/25/1997	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	2/20/2013	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	9/11/2014	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/28/2018	335	314.83	0.0037	1.6724	3603	30.5313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/30/1992	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/17/1993	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	12/12/1998	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	7/14/2000	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	5/5/2002	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	6/20/2002	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/14/2011	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	4/20/2015	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	3/13/2016	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	1/28/2020	334	313.83	0.0037	1.6687	3609	30.5822%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	10.0
USGS	5439500	1/10/1992	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	7/17/1996	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	3/28/1997	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	5/14/1997	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	6/29/1999	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	5/28/2007	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	11/13/2009	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	6/5/2010	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	7/5/2010	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	5/12/2011	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	1/19/2019	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	3/6/2019	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	4/5/2019	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	9/20/2019	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	4/1/2021	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	7/5/2021	333	312.83	0.0037	1.6650	3619	30.6669%	Phosphorus, Total		mg/L	0.83	1.11	-	7.5	9.9
USGS	5439500	2/5/1990	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	10/19/1990	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	5/6/2007	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	12/4/2009	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	8/3/2017	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	10/18/2018	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/27/2019	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	2/2/2020	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/8/2020	332	311.83	0.0037	1.6613	3635	30.8025%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	3/15/1992	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	3/18/1995	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	8/25/1996	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	3/16/1998	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	4/30/2000	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	5/31/2000	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	4/18/2002	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	7/29/2007	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	5/30/2008	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/19/2008	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/26/2011	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	4/7/2014	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	5/23/2015	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	1/24/2016	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	3/6/2017	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/28/2019	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	4/13/2021	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	3/22/2022	331	310.83	0.0037	1.6576	3644	30.8787%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	2/17/1990	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	11/11/1990	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/9/1991	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	1/21/1992	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	12/25/1992	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/14/1995	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	5/19/1996	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	2/11/1998	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	2/25/2004	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	1/2/2008	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	12/29/2011	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/3/2013	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/7/2013	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	7/7/2013	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	7/25/2015	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	1/30/2017	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	7/7/2017	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	6/9/2018	330	309.83	0.0037	1.6539	3662	31.0313%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.9
USGS	5439500	1/17/1993	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	1/28/1995	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	6/30/1995	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/26/2002	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	6/2/2008	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	3/30/2010	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	6/10/2010	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/18/2015	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	7/7/2018	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	7/2/2019	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/23/2020	329	308.83	0.0037	1.6502	3680	31.1838%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	11/21/1991	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	12/21/1991	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	1/11/1992	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/24/1992	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	3/19/1994	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	3/11/1995	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/28/1999	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	5/29/1999	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/26/2004	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/24/2008	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/17/2010	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/17/2016	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	12/16/2018	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/15/2020	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/19/2020	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/22/2020	328	307.83	0.0037	1.6465	3691	31.2770%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	1/7/1990	327	306.83	0.0037	1.6429	3707	31.4126%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	11/16/1998	327	306.83	0.0037	1.6429	3707	31.4126%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	3/1/1999	327	306.83	0.0037	1.6429	3707	31.4126%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	5/13/2004	327	306.83	0.0037	1.6429	3707	31.4126%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	2/22/2020	327	306.83	0.0037	1.6429	3707	31.4126%	Phosphorus, Total		mg/L	0.83	1.11	-	7.4	9.8
USGS	5439500	4/4/1990	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	4/19/1990	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	12/19/1991	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/31/1998	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/1/2000	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/27/2001	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	3/18/2002	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/28/2002	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	12/2/2011	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/12/2011	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	7/19/2014	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	2/1/2019	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	12/13/2019	326	305.83	0.0037	1.6392	3712	31.4550%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	4/5/1990	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/4/1990	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/1/1991	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/16/1993	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	6/10/2000	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	11/14/2009	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	6/4/2010	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	1/2/2011	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	11/20/2011	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	6/26/2016	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	2/17/2020	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	2/18/2020	325	304.83	0.0037	1.6355	3725	31.5651%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.8
USGS	5439500	5/13/1991	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	3/5/2000	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	9/24/2000	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/30/2008	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	9/26/2008	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/13/2016	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/20/2019	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/21/2019	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	12/12/2019	324	303.83	0.0037	1.6318	3737	31.6668%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	6/4/1990	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	5/24/1993	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	8/21/1994	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/20/1998	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	3/30/2001	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	9/24/2001	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	5/14/2006	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	10/10/2008	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/4/2010	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	1/31/2012	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/8/2012	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	3/25/2012	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	7/12/2013	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/19/2016	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	12/6/2016	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	6/4/2018	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	6/29/2019	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	7/5/2019	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	10/25/2019	323	302.83	0.0037	1.6281	3746	31.7431%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/27/1998	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/29/2002	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	5/29/2008	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	12/9/2009	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	1/7/2010	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/30/2015	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	10/19/2018	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	12/14/2019	322	301.83	0.0037	1.6244	3765	31.9041%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	5/13/2001	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	3/31/2010	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/15/2011	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	6/21/2016	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	2/8/2017	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/24/2017	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	1/29/2020	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	3/7/2020	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	6/13/2020	321	300.83	0.0037	1.6207	3773	31.9719%	Phosphorus, Total		mg/L	0.83	1.11	-	7.3	9.7
USGS	5439500	4/27/1992	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	5/16/2000	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	4/19/2002	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	1/1/2007	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	2/10/2008	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	1/25/2016	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	4/21/2016	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	10/30/2017	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	1/28/2019	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	7/1/2019	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	4/11/2021	320	299.83	0.0037	1.6170	3782	32.0481%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.7
USGS	5439500	4/11/1990	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	9/17/1993	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/31/1997	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/16/1997	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	2/12/2005	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/1/2012	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/21/2015	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/29/2016	319	298.83	0.0037	1.6133	3793	32.1413%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	1/12/1990	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	1/2/1995	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/27/2004	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	1/12/2009	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/1/2010	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	10/1/2011	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	1/27/2012	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	5/12/2012	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/12/2016	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	10/29/2016	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/2/2017	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/24/2017	318	297.83	0.0037	1.6096	3801	32.2091%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/26/1990	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/3/1992	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	6/16/1997	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	2/4/1998	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/16/1999	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/22/2004	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/24/2020	317	296.83	0.0037	1.6060	3813	32.3108%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	2/14/1990	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/6/1990	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	8/25/1990	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	11/6/1995	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/18/1997	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	3/3/1998	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/6/2004	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	5/20/2008	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	2/22/2009	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/3/2011	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/6/2011	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	12/13/2011	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	1/5/2012	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/18/2016	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/22/2016	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	12/21/2018	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	4/25/2020	316	295.83	0.0037	1.6023	3820	32.3701%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.6
USGS	5439500	2/22/1992	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	6/2/1997	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	3/2/1999	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	3/5/1999	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/29/2002	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	3/24/2004	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	2/23/2005	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	6/30/2009	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	3/20/2012	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	4/18/2012	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	5/18/2014	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	10/20/2018	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	12/17/2018	315	294.83	0.0037	1.5986	3837	32.5142%	Phosphorus, Total		mg/L	0.83	1.11	-	7.2	9.5
USGS	5439500	2/28/1990	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/15/1992	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/3/1994	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/28/1998	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	3/25/1999	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/24/2001	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/6/2002	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/3/2008	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/21/2008	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	1/28/2012	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/2/2014	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	8/23/2014	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/23/2016	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/19/2016	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	3/12/2018	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/20/2020	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/29/2020	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/18/2020	314	293.83	0.0037	1.5949	3850	32.6244%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/16/1993	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/15/1995	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/7/1997	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/14/2001	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/3/2008	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/4/2017	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	11/11/2018	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	3/1/2020	313	292.83	0.0037	1.5912	3868	32.7769%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	1/4/1990	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	1/29/1995	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	3/19/1995	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	8/19/1995	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/24/1998	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/21/2002	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/19/2003	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/9/2004	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/19/2006	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/6/2009	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/5/2009	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/5/2010	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/13/2010	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	11/23/2011	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/5/2015	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	10/20/2017	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/22/2018	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/16/2020	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/2/2021	312	291.83	0.0037	1.5875	3876	32.8447%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	12/18/1996	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/17/2000	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/15/2006	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	10/28/2008	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	5/12/2013	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/14/2016	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/20/2016	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/28/2016	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/8/2016	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	7/8/2018	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	9/6/2018	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/6/2019	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	6/30/2019	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	10/24/2020	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	4/6/2021	311	290.83	0.0037	1.5838	3895	33.0057%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.5
USGS	5439500	2/16/1990	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	6/10/1991	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/26/1992	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/27/1992	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	12/26/1992	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	12/29/1992	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	11/24/1995	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	8/26/1996	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/14/1998	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/18/2005	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	3/10/2005	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	4/6/2007	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	2/11/2008	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	4/8/2014	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	5/24/2015	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/14/2017	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/30/2020	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	2/1/2020	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	3/8/2020	310	289.83	0.0037	1.5801	3910	33.1328%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/12/1992	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	3/31/1992	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	5/17/1993	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	5/2/1997	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	5/15/1997	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	6/27/1998	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	3/31/2001	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	9/9/2007	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	12/18/2009	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	2/27/2012	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	7/18/2017	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	1/26/2019	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	7/2/2020	309	288.83	0.0037	1.5764	3929	33.2938%	Phosphorus, Total		mg/L	0.83	1.11	-	7.1	9.4
USGS	5439500	3/17/1992	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	8/11/1994	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/2/1995	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	8/16/1995	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	1/4/1997	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	6/17/1997	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	1/13/1998	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/22/2002	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/28/2002	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	3/12/2004	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/20/2006	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	5/7/2007	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	2/23/2009	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/18/2010	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	5/10/2010	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/18/2014	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	5/17/2014	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	4/3/2015	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	6/8/2015	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/24/2016	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	6/22/2016	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	12/7/2016	308	287.83	0.0037	1.5727	3942	33.4039%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	5/14/1991	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	11/20/1991	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	11/22/1994	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	3/20/1995	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	5/29/2007	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	1/8/2010	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	3/20/2015	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	6/3/2017	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	12/20/2018	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	12/15/2019	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	1/31/2020	307	286.83	0.0037	1.5690	3964	33.5904%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.4
USGS	5439500	3/7/1991	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/11/1991	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/30/1999	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/4/2006	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	7/6/2010	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	7/12/2010	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	8/17/2010	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/27/2011	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	1/6/2012	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	2/9/2012	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/9/2017	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/25/2017	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	12/18/2018	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/21/2019	306	285.83	0.0037	1.5654	3975	33.6836%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/27/1990	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/16/1992	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/13/1992	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/28/1992	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/30/1994	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	2/21/1999	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/2/2000	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/26/2006	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	12/13/2007	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/1/2008	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/2/2008	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/26/2010	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/17/2013	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/26/2015	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/30/2016	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	11/6/2017	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/3/2021	305	284.83	0.0037	1.5617	3989	33.8022%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/6/1990	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/4/1992	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	11/2/2001	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/20/2008	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	10/2/2008	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	11/15/2009	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/22/2017	304	283.83	0.0037	1.5580	4006	33.9463%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	1/20/1990	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	7/6/1990	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	12/22/1991	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/16/1995	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	2/3/1998	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	3/6/1999	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/1/2001	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/20/2002	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	5/12/2004	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	4/18/2007	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/11/2010	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	1/21/2012	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	1/2/2017	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/5/2017	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	12/19/2018	303	282.83	0.0037	1.5543	4013	34.0056%	Phosphorus, Total		mg/L	0.83	1.11	-	7.0	9.3
USGS	5439500	6/16/1991	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	1/13/1992	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	2/23/1992	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	12/4/1992	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	3/14/1993	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	10/20/1993	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	12/22/1994	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	6/30/1999	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	2/28/2005	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	5/15/2006	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	3/10/2008	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	3/4/2010	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	2/14/2013	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	8/4/2017	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	11/5/2018	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	2/21/2020	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	6/14/2020	302	281.83	0.0037	1.5506	4028	34.1327%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.3
USGS	5439500	3/2/1990	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	6/6/1990	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	11/22/1991	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/19/1993	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	7/17/1993	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/19/1994	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/13/1998	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/31/1999	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/29/2000	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/27/2007	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/19/2008	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/20/2008	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/25/2009	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/2/2010	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/25/2010	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	11/21/2011	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/29/2012	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/28/2015	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/19/2015	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	7/26/2015	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/31/2017	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/26/2017	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	6/4/2017	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	6/23/2017	301	280.83	0.0037	1.5469	4045	34.2768%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/23/1990	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/4/1991	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/22/1992	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/25/1992	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/28/1992	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/27/1992	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/28/1993	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	7/4/1994	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/8/1996	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/12/1996	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	7/4/1996	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	8/27/1996	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/19/1997	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/24/2000	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/19/2002	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/26/2004	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/4/2006	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/8/2007	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/24/2009	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/15/2009	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/7/2011	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/12/2012	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/15/2017	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	10/26/2021	300	279.83	0.0037	1.5432	4069	34.4801%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/28/1990	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/2/1991	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/6/1992	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/18/1992	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/29/1992	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/30/1992	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/15/1992	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	10/3/1993	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/21/2002	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/2/2004	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/30/2006	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/6/2009	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/18/2016	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/29/2018	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/7/2019	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/7/2019	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/4/2021	299	278.83	0.0037	1.5395	4093	34.6835%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/10/1990	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/12/1990	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	6/5/1990	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/5/1991	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/9/1992	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/18/1993	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/4/1994	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/19/1996	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/13/1997	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	3/4/1998	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	5/7/2002	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	8/13/2007	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	12/22/2008	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	1/9/2010	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/6/2010	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/19/2010	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	11/22/2011	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	2/10/2012	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	10/21/2018	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/5/2021	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	4/14/2021	298	277.83	0.0037	1.5358	4110	34.8276%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.2
USGS	5439500	10/11/1990	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	11/12/1990	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	5/18/1993	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	12/20/1994	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	6/15/2001	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	2/27/2002	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	4/27/2004	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	12/20/2006	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	6/12/2007	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	7/8/2010	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	1/26/2016	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	1/27/2016	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	1/31/2016	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	3/9/2016	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	7/9/2018	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	2/22/2019	297	276.83	0.0037	1.5321	4131	35.0055%	Phosphorus, Total		mg/L	0.83	1.11	-	6.9	9.1
USGS	5439500	12/23/1991	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/14/1992	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/1/1997	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/5/1998	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/21/1998	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	5/22/2003	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	11/24/2011	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	10/31/2018	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	11/1/2018	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/29/2019	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/9/2021	296	275.83	0.0037	1.5285	4147	35.1411%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/18/1992	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/30/1993	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	10/25/1998	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/6/2000	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/16/2001	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/3/2004	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/7/2004	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/28/2004	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/16/2008	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/13/2009	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	5/29/2014	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/11/2014	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/13/2016	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/8/2019	295	274.83	0.0037	1.5248	4158	35.2343%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/25/1990	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/29/1990	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/5/1992	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	7/5/1994	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/21/1995	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/19/1997	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/3/1997	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	5/9/2000	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	5/30/2002	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/25/2007	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/3/2010	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	7/7/2010	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/13/2012	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	11/7/2016	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	11/22/2017	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/13/2018	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/21/2019	294	273.83	0.0037	1.5211	4172	35.3529%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/19/1990	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	12/3/1993	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	12/20/1993	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	1/31/1995	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	7/1/1999	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	6/22/2002	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	2/24/2005	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	3/2/2005	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	9/27/2008	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	12/14/2009	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/20/2010	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1
USGS	5439500	4/30/2014	293	272.83	0.0037	1.5174	4189	35.4970%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/7/1990	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	11/2/1991	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/22/2001	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	4/30/2002	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/10/2004	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/1/2009	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	1/7/2012	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	3/21/2013	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/20/2014	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	3/4/2019	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/6/2019	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/21/2019	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	12/16/2019	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	3/8/2022	292	271.83	0.0037	1.5137	4201	35.5987%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	4/1/1992	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	3/15/1993	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	5/31/1993	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	1/30/1995	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/17/1995	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/1/1998	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	10/29/1998	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	5/29/2001	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	5/21/2008	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	12/15/2008	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	12/8/2009	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	4/4/2010	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	2/25/2012	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/6/2013	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	4/3/2014	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/16/2014	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	10/19/2014	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	2/25/2016	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	7/10/2018	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	9/7/2018	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	10/22/2018	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	12/23/2018	291	270.83	0.0037	1.5100	4215	35.7173%	Phosphorus, Total		mg/L	0.83	1.11	-	6.8	9.0
USGS	5439500	6/9/1990	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	1/2/1991	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	1/24/1992	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	3/19/1992	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	12/28/1992	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	12/21/1994	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	7/7/1995	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	4/17/1997	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	1/15/1998	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	6/29/1998	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	11/17/1998	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	4/13/1999	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	3/11/2005	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	2/12/2008	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	7/11/2008	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	3/24/2013	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	5/1/2015	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	11/5/2017	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	1/20/2019	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	4/7/2021	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	4/8/2021	290	269.83	0.0037	1.5063	4237	35.9037%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	10/20/1990	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	5/25/1993	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	10/28/1998	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	4/15/1999	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	7/15/2000	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	12/31/2006	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	12/7/2009	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	1/1/2011	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	2/15/2016	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	6/14/2016	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	6/28/2017	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	11/12/2018	289	268.83	0.0037	1.5026	4258	36.0817%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	9.0
USGS	5439500	2/13/1991	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/15/1991	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/19/1993	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	11/25/1995	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	11/14/2000	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/25/2001	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/2/2007	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/1/2007	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/10/2010	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	7/9/2010	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/13/2013	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/27/2016	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/3/2017	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/9/2019	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	7/17/2021	288	267.83	0.0037	1.4989	4270	36.1834%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	2/18/1991	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	2/12/1993	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	11/7/1995	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	10/30/1996	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	3/20/1997	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/27/1997	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	7/11/1998	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	2/22/1999	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/21/2010	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/28/2011	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/7/2012	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/28/2014	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	12/8/2016	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/15/2020	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/10/2021	287	266.83	0.0037	1.4952	4285	36.3105%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/8/1990	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	11/18/1992	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	2/9/1993	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/21/1997	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	3/26/1999	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/12/2005	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/21/2008	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	3/23/2012	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	9/12/2014	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/22/2019	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	7/12/2020	286	265.83	0.0037	1.4916	4300	36.4376%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/8/1990	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	2/18/1990	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/25/1998	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	5/28/2000	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/11/2017	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	7/8/2017	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	6/5/2018	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	1/31/2019	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	12/17/2019	285	264.83	0.0037	1.4879	4311	36.5308%	Phosphorus, Total		mg/L	0.83	1.11	-	6.7	8.9
USGS	5439500	4/7/1990	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/13/1990	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	5/16/1991	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	6/18/1995	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	12/3/1995	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	5/16/1997	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	6/25/1997	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	3/20/2002	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	1/12/2010	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	8/18/2010	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	5/13/2012	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	6/8/2013	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	5/27/2014	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	9/2/2016	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	12/27/2018	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	4/15/2021	284	263.83	0.0037	1.4842	4320	36.6071%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.9
USGS	5439500	8/4/1993	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/20/1994	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/23/1995	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/26/1995	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/5/1996	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/21/1997	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	4/2/2001	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/9/2002	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/11/2010	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/3/2010	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/21/2012	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/1/2014	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/19/2014	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	6/12/2015	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/27/2015	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	4/23/2016	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/12/2017	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/13/2017	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	10/31/2017	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	9/12/2020	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	9/13/2020	283	262.83	0.0037	1.4805	4336	36.7426%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/24/1990	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	9/20/2001	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/25/2005	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	9/10/2007	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/15/2008	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/7/2010	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/30/2012	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	6/4/2013	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	6/6/2015	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	6/7/2015	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/16/2016	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/19/2017	282	261.83	0.0037	1.4768	4357	36.9206%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/3/1991	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/24/1991	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/1/1992	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/6/1992	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/18/1994	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/10/1995	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/27/1995	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/31/2002	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/9/2007	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	8/17/2007	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	10/29/2008	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/24/2009	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/25/2011	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	6/12/2013	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/13/2013	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	9/23/2016	281	260.83	0.0037	1.4731	4369	37.0223%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/1/1990	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/25/1990	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/28/1990	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/15/1992	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/23/1992	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	1/29/1992	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	4/14/1992	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/15/1992	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	4/3/1995	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/28/1995	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/22/1998	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/3/2000	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/30/2000	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	5/14/2001	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	12/14/2003	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/14/2007	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/13/2008	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/14/2008	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/15/2008	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	11/16/2009	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	2/14/2012	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	8/24/2014	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	10/23/2018	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	3/8/2019	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/7/2019	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	7/12/2021	280	259.83	0.0037	1.4694	4385	37.1579%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.8
USGS	5439500	8/5/1990	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	12/4/1993	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	8/28/1996	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	6/18/2001	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	7/18/2008	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	4/22/2010	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	5/7/2010	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	11/26/2011	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	3/29/2015	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	3/14/2018	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	4/10/2019	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	12/18/2019	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	11/28/2020	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	7/6/2021	279	258.83	0.0037	1.4657	4411	37.3782%	Phosphorus, Total		mg/L	0.83	1.11	-	6.6	8.7
USGS	5439500	1/28/1990	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/5/1998	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	7/2/1999	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	10/7/1999	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/26/2001	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/8/2002	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/6/2007	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/7/2007	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/26/2012	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/19/2012	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/9/2015	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/29/2016	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/6/2017	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/27/2019	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/13/2021	278	257.83	0.0037	1.4620	4425	37.4968%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/7/1990	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/12/1990	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/5/1992	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/21/1993	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/4/1994	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/2/1997	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/23/1999	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/27/1999	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/11/2002	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/18/2008	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/13/2010	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/16/2012	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/14/2013	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/31/2013	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/28/2016	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/10/2017	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	11/2/2018	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/5/2019	277	256.83	0.0037	1.4583	4440	37.6239%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	11/13/1990	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/24/1991	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	11/19/1991	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/18/1993	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/4/1995	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/6/1997	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/4/1997	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/23/2002	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/1/2002	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/14/2010	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/11/2012	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/9/2014	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/4/2017	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/6/2017	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/25/2019	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/23/2019	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/16/2020	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/15/2020	276	255.83	0.0037	1.4547	4458	37.7765%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	5/20/1993	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/31/1994	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/6/1995	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/19/1995	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
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USGS	5439500	6/23/2002	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	6/29/2004	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
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USGS	5439500	10/11/2008	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/10/2009	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	3/21/2015	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/4/2015	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/17/2016	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	12/24/2016	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	1/7/2017	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	2/1/2017	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	4/11/2019	275	254.83	0.0037	1.4510	4476	37.9290%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.7
USGS	5439500	7/7/1990	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	3/22/1997	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	6/2/1998	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	3/27/1999	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	8/26/1999	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/25/2002	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/25/2004	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	5/22/2005	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	5/4/2008	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	7/9/2009	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	8/23/2011	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	1/18/2012	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	5/23/2014	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	8/5/2017	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	11/13/2018	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	12/24/2018	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	3/19/2022	274	253.83	0.0037	1.4473	4494	38.0815%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	3/20/1992	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/19/1997	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	12/14/1998	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/14/1999	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	3/7/2000	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/8/2004	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	6/16/2006	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/19/2007	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/24/2010	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/19/2014	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	12/14/2016	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	1/5/2017	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	7/11/2018	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	1/30/2019	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	7/19/2020	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	5/10/2021	273	252.83	0.0037	1.4436	4511	38.2256%	Phosphorus, Total		mg/L	0.83	1.11	-	6.5	8.6
USGS	5439500	4/30/1990	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	5/4/1991	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	11/23/1991	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	3/16/1993	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/18/1997	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	7/22/1999	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	10/17/2001	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	9/11/2007	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/18/2009	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/20/2009	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	7/2/2009	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	6/18/2013	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	3/15/2018	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/26/2019	272	251.83	0.0037	1.4399	4527	38.3612%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/17/1990	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/8/1990	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	8/26/1990	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/2/1992	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	2/27/1995	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	3/6/2005	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	7/24/2007	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	11/18/2009	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/12/2012	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/15/2012	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	1/19/2012	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	2/24/2012	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/25/2016	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	10/24/2018	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/12/2019	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/15/2019	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	4/16/2021	271	250.83	0.0037	1.4362	4541	38.4798%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.6
USGS	5439500	10/10/1993	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	10/21/1993	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	12/25/1993	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/3/1997	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/25/1997	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/17/1997	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/16/1998	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	3/21/2002	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/3/2002	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	12/10/2003	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	2/27/2004	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/23/2004	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/28/2004	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	10/3/2008	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	11/17/2009	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	11/19/2009	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	2/8/2010	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/8/2012	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	2/26/2012	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/24/2016	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/8/2017	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/24/2019	270	249.83	0.0037	1.4325	4558	38.6238%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/2/1992	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/23/1993	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	7/1/1995	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	11/30/1995	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/10/2007	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/21/2009	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
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USGS	5439500	11/25/2014	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/22/2015	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	12/23/2016	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	7/15/2018	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/17/2020	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/23/2020	269	248.83	0.0037	1.4288	4580	38.8103%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/9/1990	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/17/1991	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/5/1992	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	10/4/1993	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/8/1997	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/9/1997	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/1/2002	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	3/13/2004	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
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USGS	5439500	9/1/2009	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	8/19/2010	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/17/2012	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/10/2017	268	247.83	0.0037	1.4251	4594	38.9289%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	7/16/1992	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	12/2/1995	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	7/6/1996	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/3/1997	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	3/7/1999	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	3/28/1999	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/4/2000	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	4/3/2001	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
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USGS	5439500	7/14/2010	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	5/20/2014	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	11/28/2016	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	1/9/2017	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	6/25/2017	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	7/3/2020	267	246.83	0.0037	1.4214	4608	39.0475%	Phosphorus, Total		mg/L	0.83	1.11	-	6.4	8.5
USGS	5439500	8/16/1994	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	8/29/1996	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	3/6/1998	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	12/6/1999	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	5/25/2000	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	5/15/2001	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	2/12/2002	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	3/12/2005	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	6/22/2008	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	11/16/2008	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	1/15/2010	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	6/29/2011	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	7/24/2016	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	12/15/2016	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	2/14/2020	266	245.83	0.0037	1.4177	4627	39.2085%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.5
USGS	5439500	6/20/1995	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/16/1996	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/24/1999	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/8/2000	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/22/2008	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	9/28/2008	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/15/2009	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/17/2009	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/19/2009	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/22/2009	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/25/2013	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/15/2013	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/29/2014	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/8/2016	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/9/2016	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/7/2017	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/6/2018	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/25/2018	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/25/2018	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/25/2019	265	244.83	0.0037	1.4141	4642	39.3356%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/22/1992	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/5/1997	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/6/1998	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/24/1998	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/30/1998	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/3/2001	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/4/2004	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/5/2005	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/3/2007	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	8/26/2011	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/2/2011	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/8/2011	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/11/2012	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/15/2012	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/5/2013	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	7/21/2014	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/4/2014	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	9/20/2015	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/7/2017	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/8/2018	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/6/2022	264	243.83	0.0037	1.4104	4662	39.5051%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	8/25/1993	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/19/1993	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/3/1995	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/29/1995	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/5/1995	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/23/1997	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/18/1997	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/26/2005	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/3/2005	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/5/2007	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/16/2012	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/2/2014	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	7/28/2015	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/23/2017	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/10/2018	263	242.83	0.0037	1.4067	4683	39.6831%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/8/1991	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/4/1992	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/21/1997	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/22/1997	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/23/1998	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/5/2000	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/19/2001	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/23/2001	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/30/2002	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/10/2002	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/24/2002	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/21/2004	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/24/2009	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/29/2009	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/19/2009	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	8/22/2011	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/9/2012	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/10/2012	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/13/2012	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	2/17/2012	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/14/2012	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/30/2015	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/2/2015	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/30/2016	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	12/25/2016	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	7/9/2017	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/21/2017	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	5/13/2018	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/5/2022	262	241.83	0.0037	1.4030	4698	39.8102%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	8/31/1990	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	4/1/1994	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/6/1997	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/13/1997	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/9/2000	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	1/20/2012	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	3/22/2012	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	7/6/2016	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	10/26/2018	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	11/14/2018	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	7/18/2019	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/24/2021	261	240.83	0.0037	1.3993	4727	40.0559%	Phosphorus, Total		mg/L	0.83	1.11	-	6.3	8.4
USGS	5439500	6/10/1990	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/14/1991	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/17/1991	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/21/1993	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/4/1997	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/5/1997	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/4/1998	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/26/1998	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/11/2002	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	8/25/2002	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	7/4/2004	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/23/2009	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	7/10/2010	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/21/2013	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/17/2014	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/3/2015	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/26/2016	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	8/2/2016	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/5/2017	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/3/2018	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/18/2020	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/25/2021	260	239.83	0.0037	1.3956	4739	40.1576%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/14/1990	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	12/25/1991	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/1/1995	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/1/1997	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/17/2001	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/25/2001	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/30/2004	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/16/2006	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/16/2009	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/25/2009	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/26/2009	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	1/28/2009	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/10/2013	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/7/2018	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	7/22/2019	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/17/2021	259	238.83	0.0037	1.3919	4761	40.3440%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/21/1990	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/27/1994	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/27/1994	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	7/7/1996	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	6/7/1997	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/14/2004	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/8/2008	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/30/2008	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/14/2014	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/20/2014	258	237.83	0.0037	1.3882	4777	40.4796%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/21/1992	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/22/1995	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/9/1995	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	8/30/1996	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/8/1999	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/23/2003	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	12/10/2004	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	5/20/2006	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	9/29/2008	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/20/2009	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	2/17/2011	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	3/22/2013	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	4/26/2016	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	10/27/2018	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/4/2018	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/15/2018	257	236.83	0.0037	1.3845	4787	40.5644%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.3
USGS	5439500	11/8/1995	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/25/1998	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	3/7/1998	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	3/29/1999	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	7/16/2000	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	1/4/2007	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	5/11/2007	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	10/19/2007	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/9/2010	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	5/23/2013	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	6/9/2013	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	7/25/2016	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/3/2017	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/9/2017	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	11/1/2017	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	11/24/2017	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/19/2018	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	3/16/2018	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	5/11/2021	256	235.83	0.0037	1.3808	4803	40.6999%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	6/1/1993	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	11/23/1994	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	12/6/1995	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	1/7/1997	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	3/24/1997	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	6/18/1997	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	11/18/1998	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/25/1999	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	1/27/2009	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	1/30/2009	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	1/31/2009	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	2/5/2009	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	6/28/2016	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	6/8/2017	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	12/26/2018	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	7/8/2019	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	12/22/2019	255	234.83	0.0037	1.3772	4822	40.8609%	Phosphorus, Total		mg/L	0.83	1.11	-	6.2	8.2
USGS	5439500	3/16/1991	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	3/24/1992	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/3/1992	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/4/1992	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/21/1995	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/3/1998	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/30/1998	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	8/3/2000	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/5/2001	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/22/2007	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/13/2007	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/14/2007	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	8/20/2010	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	3/23/2013	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	7/14/2013	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/10/2014	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	2/29/2016	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	11/16/2018	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/23/2019	254	233.83	0.0037	1.3735	4839	41.0050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/29/1990	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/5/1994	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/7/1994	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/7/2007	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/17/2008	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	7/3/2009	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/30/2011	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/20/2012	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/20/2014	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	3/11/2017	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/9/2017	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	10/28/2018	253	232.83	0.0037	1.3698	4858	41.1660%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/4/1992	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/5/1992	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	2/1/1995	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	4/4/2001	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	11/26/2001	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	6/2/2002	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	2/1/2009	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	1/16/2010	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	7/31/2011	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	11/26/2014	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	3/8/2016	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/10/2016	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	12/19/2019	252	231.83	0.0037	1.3661	4870	41.2677%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.2
USGS	5439500	8/5/1993	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/15/1998	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/15/1999	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/3/1999	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/27/2000	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/15/2000	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/15/2004	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/4/2005	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/14/2008	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/28/2010	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/27/2012	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	1/27/2018	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/17/2018	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/14/2018	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/24/2019	251	230.83	0.0037	1.3624	4883	41.3778%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	1/13/1990	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/20/1990	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/24/1990	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/26/1990	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	1/30/1992	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/20/1992	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	10/17/1993	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/29/1993	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/7/1995	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/4/1995	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/1/1995	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/13/1996	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/26/1998	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/9/1999	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/30/2001	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	6/25/2002	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/16/2003	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/27/2005	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	9/12/2007	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/5/2008	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/24/2013	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/31/2015	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	6/10/2015	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/28/2016	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	10/30/2016	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/2/2016	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/4/2017	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/6/2017	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/13/2019	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/25/2019	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/18/2021	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/7/2021	250	229.83	0.0037	1.3587	4898	41.5050%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/21/1990	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/24/1991	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/26/1991	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/9/1992	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/23/1992	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	8/31/1993	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/2/1996	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/8/1996	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/11/1996	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/24/1997	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/2/1997	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/29/2004	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/5/2006	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/8/2007	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	6/23/2008	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	2/3/2009	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/5/2009	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	9/3/2010	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	8/14/2011	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	5/15/2012	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	4/27/2016	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	11/2/2017	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	3/17/2018	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	10/29/2018	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	12/21/2019	249	228.83	0.0037	1.3550	4930	41.7761%	Phosphorus, Total		mg/L	0.83	1.11	-	6.1	8.1
USGS	5439500	7/8/1990	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	12/22/1993	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	2/29/1996	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	1/2/1997	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	4/22/1997	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	6/12/1997	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	3/10/1999	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	5/6/2000	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	5/26/2000	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	4/9/2004	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	5/12/2006	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	10/12/2008	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	12/16/2008	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	5/16/2013	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	12/11/2016	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	3/18/2018	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	4/16/2018	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	12/26/2019	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	6/19/2020	248	227.83	0.0037	1.3513	4955	41.9880%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.1
USGS	5439500	11/15/1990	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/3/1991	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/21/1994	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/7/1997	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/23/1997	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/22/2001	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/1/2002	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/5/2004	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	1/17/2010	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/29/2010	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/19/2013	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/1/2016	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/2/2017	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/25/2017	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	10/30/2018	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/20/2019	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/9/2022	247	226.83	0.0037	1.3476	4974	42.1490%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/25/1990	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	10/6/1991	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/3/1992	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/22/1993	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/6/1994	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	8/31/1996	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/22/2002	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/26/2002	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/7/2008	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/10/2010	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/3/2014	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/5/2015	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/12/2016	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/22/2016	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/10/2017	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	8/6/2017	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/17/2018	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/16/2020	246	225.83	0.0037	1.3439	4991	42.2930%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/19/1992	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/8/1995	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/28/2001	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/2/2009	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/4/2009	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/21/2009	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/2/2010	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/30/2010	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/18/2012	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/10/2013	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/18/2016	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/17/2018	245	224.83	0.0037	1.3403	5009	42.4456%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/27/1990	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/9/1998	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/9/2000	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/26/2002	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/17/2006	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	8/6/2008	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/17/2008	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/11/2009	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	8/21/2010	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	1/14/2012	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/18/2014	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/2/2015	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/7/2017	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/26/2017	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/9/2018	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/8/2018	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	9/8/2018	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/27/2019	244	223.83	0.0037	1.3366	5021	42.5472%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/19/1990	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/16/1991	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/8/1992	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/13/1994	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/19/1998	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/16/1998	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/7/2000	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/4/2001	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/23/2002	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/27/2002	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/1/2004	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	5/23/2008	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/12/2009	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/24/2009	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	1/18/2010	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/21/2013	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/22/2014	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	12/25/2014	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	3/22/2015	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/23/2015	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	4/25/2015	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/27/2016	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	11/25/2017	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	7/16/2018	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	6/24/2020	243	222.83	0.0037	1.3329	5039	42.6998%	Phosphorus, Total		mg/L	0.83	1.11	-	6.0	8.0
USGS	5439500	2/22/1990	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/11/1990	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/6/1992	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/26/1999	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/11/1999	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/16/2001	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/28/2005	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/6/2008	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	10/4/2008	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/4/2009	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/1/2011	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	11/9/2016	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/14/2019	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/28/2019	242	221.83	0.0037	1.3292	5064	42.9116%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/7/1992	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/26/1993	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/5/1993	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/6/1994	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/12/1997	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/12/1998	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/8/2000	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/2/2002	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/24/2002	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/31/2007	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	8/18/2007	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/9/2008	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/19/2010	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/1/2010	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/30/2014	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/13/2016	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/19/2021	241	220.83	0.0037	1.3255	5078	43.0303%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	8/28/1990	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/3/1991	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	9/11/1992	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/10/1993	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/2/1994	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/7/1995	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/1/1996	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/3/1996	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/23/1997	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/7/1998	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/4/1998	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/14/2001	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/29/2005	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/20/2007	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/12/2007	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/26/2008	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/2/2010	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/21/2014	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/16/2014	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	11/8/2017	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/12/2018	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/9/2019	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/20/2020	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/21/2020	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	9/11/2020	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/11/2021	240	219.83	0.0037	1.3218	5095	43.1743%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/27/1991	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/7/1992	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/30/1993	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	8/6/1993	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	10/22/1993	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/4/1995	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/8/1997	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	2/8/1998	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	5/31/2001	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	4/24/2004	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	1/8/2007	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	10/31/2008	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/6/2009	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	11/22/2009	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	12/20/2009	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	9/4/2010	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	10/21/2014	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	6/29/2016	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	11/1/2016	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	11/18/2017	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	3/28/2018	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	7/13/2020	239	218.83	0.0037	1.3181	5121	43.3946%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.9
USGS	5439500	8/27/1990	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	10/5/1993	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	12/8/1995	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	4/23/1997	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/12/1999	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	9/25/2000	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	4/21/2006	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/25/2006	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/10/2009	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/11/2010	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/13/2014	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/15/2014	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/24/2014	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/29/2015	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/23/2019	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/22/2020	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/4/2020	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/18/2021	238	217.83	0.0037	1.3144	5143	43.5811%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/12/1990	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/9/1991	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/18/1991	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	1/3/1992	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	10/27/1998	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/14/1999	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/10/2000	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	9/25/2001	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/11/2004	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/26/2008	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	9/26/2011	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	2/15/2013	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/11/2013	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	4/11/2014	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	12/21/2016	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	2/10/2017	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/12/2017	237	216.83	0.0037	1.3107	5161	43.7336%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	1/21/1990	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	2/11/1993	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/27/1993	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	10/11/1993	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	11/24/1994	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	2/19/1995	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/22/1995	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	7/9/1996	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	6/5/1998	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/30/1999	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	3/3/2002	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	2/23/2012	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/16/2012	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	4/1/2013	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	10/31/2016	236	215.83	0.0037	1.3070	5178	43.8776%	Phosphorus, Total		mg/L	0.83	1.11	-	5.9	7.8
USGS	5439500	5/4/1992	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/13/1993	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	6/2/1993	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/24/1995	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	9/1/1996	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	3/13/1999	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/23/1999	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	10/8/1999	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	5/8/2001	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	3/27/2005	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	5/13/2005	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	11/23/2009	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	1/20/2010	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/11/2010	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/19/2012	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/22/2012	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
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USGS	5439500	11/18/2018	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	11/29/2020	235	214.83	0.0037	1.3034	5193	44.0047%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	6/13/1990	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	12/28/1991	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/2/1995	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	4/17/1996	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	6/28/1997	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	2/10/1998	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	10/31/1998	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	11/27/2001	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	6/27/2002	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	4/30/2004	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	3/30/2005	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	1/23/2007	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	5/3/2010	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/15/2010	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	4/9/2013	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	3/13/2017	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	9/28/2018	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/10/2020	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/11/2020	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	4/20/2021	234	213.83	0.0037	1.2997	5213	44.1742%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.8
USGS	5439500	7/25/1990	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/17/1991	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/29/1991	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/8/1994	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/23/1995	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/29/2001	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/13/2005	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/31/2005	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	10/13/2008	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/26/2011	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/17/2013	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/25/2013	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/15/2013	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/1/2015	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/9/2016	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/18/2018	233	212.83	0.0037	1.2960	5233	44.3437%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/30/1990	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	2/12/1992	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/23/1993	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/5/1996	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/17/2000	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/20/2001	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	2/13/2002	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/4/2002	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/16/2004	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/1/2004	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/24/2008	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/21/2010	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/2/2011	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	10/3/2011	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/3/2012	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/22/2014	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/11/2015	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/20/2016	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/27/2017	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	10/23/2017	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/19/2018	232	211.83	0.0037	1.2923	5249	44.4793%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	10/22/1990	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/16/1990	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/18/1991	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/30/1991	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/28/1993	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/5/2001	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/31/2002	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/13/2007	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/30/2007	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	9/13/2007	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/1/2008	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/22/2010	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/28/2012	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/22/2013	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/2/2016	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/9/2017	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/16/2017	231	210.83	0.0037	1.2886	5270	44.6572%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/3/1990	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/27/1990	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/5/1991	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/4/1993	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/1/1994	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/10/1994	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	2/19/1996	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/4/1996	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/24/1997	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/17/1998	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/31/1999	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/16/2000	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/30/2001	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	5/24/2003	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	2/28/2004	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	12/5/2006	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/11/2007	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	6/14/2007	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	1/23/2010	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	8/22/2010	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/12/2014	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/23/2015	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	4/6/2015	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	8/7/2017	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	10/12/2017	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	11/3/2017	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	3/20/2018	230	209.83	0.0037	1.2849	5287	44.8013%	Phosphorus, Total		mg/L	0.83	1.11	-	5.8	7.7
USGS	5439500	7/9/1990	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/1/1991	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/5/1992	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/19/1993	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/9/1995	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	4/1/1999	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/4/1999	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	10/5/2000	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/1/2001	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	10/20/2007	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/24/2008	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/25/2008	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/18/2008	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	2/21/2012	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/29/2013	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/4/2014	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/25/2018	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/17/2020	229	208.83	0.0037	1.2812	5314	45.0301%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	4/5/1992	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/11/1994	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/26/1995	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	10/31/1996	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/17/1998	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/23/2005	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/28/2013	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/20/2013	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/14/2017	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/27/2017	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/11/2017	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/13/2018	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/8/2021	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/10/2022	228	207.83	0.0037	1.2775	5332	45.1826%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	1/14/1990	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/29/1993	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	9/18/1993	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/6/1993	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/9/1994	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	4/8/1997	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/9/1997	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/9/1998	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/17/2004	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/2/2004	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	1/30/2006	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/27/2007	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	2/12/2010	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/31/2013	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/20/2013	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/21/2013	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/27/2013	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/26/2014	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/25/2015	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/7/2016	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/30/2016	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/10/2016	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/16/2016	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/21/2018	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/20/2018	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/25/2020	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	4/21/2021	227	206.83	0.0037	1.2738	5346	45.3012%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	1/31/1990	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	10/13/1990	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	2/16/1992	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/31/1992	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/11/1992	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	8/7/1993	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/19/1997	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/6/1998	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/20/1998	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/5/2002	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/15/2003	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/14/2007	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/10/2008	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	2/20/2012	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/4/2017	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	7/20/2020	226	205.83	0.0037	1.2701	5373	45.5300%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	2/8/1995	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/23/1995	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	12/15/2001	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/18/2004	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/20/2004	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	1/9/2007	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/27/2008	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	6/29/2008	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/13/2008	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/18/2013	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	5/26/2013	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	3/3/2016	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/24/2017	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	8/27/2019	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	9/10/2020	225	204.83	0.0037	1.2664	5389	45.6656%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.6
USGS	5439500	11/22/1990	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	6/19/1991	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	12/8/1992	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	7/7/1994	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	7/8/1994	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	9/2/1996	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	5/2/2001	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	6/21/2001	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	4/9/2007	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	5/15/2007	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	6/25/2008	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	5/4/2010	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	5/17/2012	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	7/23/2014	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	4/24/2015	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	3/4/2016	224	203.83	0.0037	1.2628	5404	45.7927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.7	7.5
USGS	5439500	4/30/1996	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	6/21/1997	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	5/17/2001	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/2/2002	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	3/19/2004	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	1/30/2013	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/13/2014	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	8/25/2014	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	12/19/2016	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	2/26/2017	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	3/28/2017	223	202.83	0.0037	1.2591	5420	45.9283%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	2/15/1990	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	10/16/1990	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	11/25/1994	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	2/17/1997	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/2/1999	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	8/8/2000	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	5/23/2001	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	5/24/2001	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	3/1/2004	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/2/2005	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	5/27/2006	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	6/18/2006	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	10/5/2008	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	10/14/2008	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	5/26/2014	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	12/24/2014	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	8/25/2016	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	3/21/2018	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	11/21/2018	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	7/24/2019	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	10/25/2020	222	201.83	0.0037	1.2554	5431	46.0215%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	6/3/1993	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	9/1/1993	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	10/12/1993	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/10/2004	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	7/3/2004	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	3/26/2005	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/12/2014	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	7/10/2019	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	7/11/2019	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	4/22/2021	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	7/13/2021	221	200.83	0.0037	1.2517	5452	46.1995%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.5
USGS	5439500	1/4/1991	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/16/1991	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	11/27/1991	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	1/31/1992	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/27/1995	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/14/1996	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/15/1996	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/18/1996	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/10/1996	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	9/27/1996	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/25/1997	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/1/1998	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	11/8/2000	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	6/24/2001	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/6/2002	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/29/2004	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/6/2004	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	1/19/2005	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/3/2005	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	6/28/2006	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/16/2007	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	6/22/2007	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/7/2009	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	12/21/2009	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/13/2010	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/23/2010	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/3/2011	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/21/2012	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/19/2013	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	9/13/2014	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/8/2015	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	9/19/2015	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/5/2016	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	12/17/2016	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/26/2017	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/19/2018	220	199.83	0.0037	1.2480	5463	46.2927%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	2/25/1991	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	12/7/1993	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	6/14/1997	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/11/2000	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	6/24/2007	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/25/2008	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	9/2/2009	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/25/2014	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/31/2014	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/7/2015	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	10/14/2017	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	11/17/2017	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/29/2018	219	198.83	0.0037	1.2443	5499	46.5977%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	10/15/1990	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	12/31/1991	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	7/9/1995	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/9/1997	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	5/9/2001	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/25/2002	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	4/1/2005	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/24/2015	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	3/6/2016	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/26/2017	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	10/1/2018	218	197.83	0.0037	1.2406	5512	46.7079%	Phosphorus, Total		mg/L	0.83	1.11	-	5.6	7.4
USGS	5439500	11/25/1991	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/6/1992	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	8/30/1993	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	4/19/1996	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	9/19/2001	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	3/29/2002	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	3/21/2004	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/21/2006	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	11/2/2008	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	11/19/2008	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	7/16/2013	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	12/27/2014	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	7/30/2015	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	2/11/2017	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/11/2018	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/12/2018	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	7/5/2020	217	196.83	0.0037	1.2369	5523	46.8011%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/1/1990	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	1/2/1992	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	4/6/1992	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	12/17/1994	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	4/5/1995	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	6/24/1995	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	6/20/1997	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	12/18/1998	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	11/17/2000	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/26/2001	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	11/6/2001	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	3/7/2002	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	4/1/2002	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	6/28/2002	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	7/8/2009	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	12/22/2009	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/5/2010	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	8/23/2010	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	5/30/2013	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	9/1/2013	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	10/22/2014	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	9/24/2016	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	3/15/2017	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	6/12/2017	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	8/8/2017	216	195.83	0.0037	1.2332	5540	46.9452%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.4
USGS	5439500	7/10/1990	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/1/1990	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/12/1994	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/2/1995	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/1/1996	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	1/26/1997	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/10/1997	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/10/2001	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/14/2007	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/14/2010	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/3/2016	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/11/2016	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/10/2017	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/18/2018	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/30/2018	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/12/2019	215	194.83	0.0037	1.2295	5565	47.1570%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/30/1990	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/17/1990	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	3/10/1991	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/20/1991	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/7/1992	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/5/1992	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/10/1992	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/24/1993	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/7/1999	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/3/2001	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/18/2001	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/28/2001	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/1/2001	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/14/2002	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/3/2002	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/2/2004	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/21/2007	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/28/2008	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/22/2010	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/18/2012	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/23/2014	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/13/2017	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	8/9/2017	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	8/10/2017	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/23/2021	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/12/2021	214	193.83	0.0037	1.2259	5581	47.2926%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	1/1/1992	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/10/1992	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/9/1992	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/20/1996	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/1/1998	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/12/2007	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/16/2008	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/3/2008	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/20/2008	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	3/29/2012	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/2/2013	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/23/2016	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/27/2018	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/18/2020	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/24/2021	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/16/2021	213	192.83	0.0037	1.2222	5607	47.5129%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/23/1990	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/10/1992	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	3/24/1995	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/3/1995	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/11/1997	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/3/1999	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/6/2000	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/10/2007	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	10/15/2008	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/15/2010	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/16/2010	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	8/27/2011	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	4/30/2012	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/1/2012	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	6/4/2012	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	3/26/2013	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	5/5/2014	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/27/2014	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/18/2016	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	2/28/2017	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	9/26/2018	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/22/2018	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	12/12/2020	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	7/9/2021	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	3/11/2022	212	191.83	0.0037	1.2185	5623	47.6485%	Phosphorus, Total		mg/L	0.83	1.11	-	5.5	7.3
USGS	5439500	11/17/1990	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/8/1992	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/7/1992	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/17/1992	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/2/1994	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/14/1994	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	9/3/1996	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/11/1997	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/12/2000	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/18/2000	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/25/2001	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/11/2004	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/13/2005	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/6/2006	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	11/7/2008	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/23/2009	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/24/2010	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/31/2012	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	9/29/2018	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	11/30/2020	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/14/2021	211	190.83	0.0037	1.2148	5648	47.8604%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	1/15/1990	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/19/1993	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	10/9/1993	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/16/1996	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/17/1996	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/12/1996	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/10/1997	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/29/1997	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/13/1998	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/4/1999	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/26/2002	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/19/2006	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/30/2008	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	10/6/2008	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/6/2010	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/27/2018	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/13/2019	210	189.83	0.0037	1.2111	5669	48.0383%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	11/6/1992	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/3/1995	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/5/1999	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/5/1999	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/4/2005	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/14/2005	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/4/2011	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/22/2013	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/30/2013	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	10/5/2014	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/29/2017	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/30/2018	209	188.83	0.0037	1.2074	5686	48.1824%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/10/1992	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/25/1995	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/18/1996	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/7/1998	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/19/1998	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	6/15/2007	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	11/4/2008	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/16/2010	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	10/4/2011	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/30/2012	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/2/2012	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	2/27/2017	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/22/2018	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/20/2018	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	9/5/2019	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/25/2021	208	187.83	0.0037	1.2037	5698	48.2840%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/8/1992	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/2/1995	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	4/6/1995	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/10/1995	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	9/4/1996	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	10/9/1999	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/25/2003	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/14/2005	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/25/2007	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/13/2009	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	8/24/2010	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	8/3/2011	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	5/19/2012	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/28/2014	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	7/17/2019	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	3/18/2022	207	186.83	0.0037	1.2000	5714	48.4196%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.2
USGS	5439500	12/9/1992	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	3/2/1993	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	3/20/1993	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	4/3/1994	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	4/29/1994	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	6/25/1995	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	8/20/1995	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	4/26/1997	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	3/13/2000	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	5/7/2001	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	2/15/2002	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	10/17/2007	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	3/1/2010	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	10/23/2014	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	3/16/2017	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	8/11/2017	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	7/25/2019	206	185.83	0.0037	1.1963	5730	48.5552%	Phosphorus, Total		mg/L	0.83	1.11	-	5.4	7.1
USGS	5439500	11/2/1992	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/20/1993	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	10/6/1993	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	10/23/1993	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	12/8/1993	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	1/20/1996	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/21/1998	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/4/2001	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/18/2001	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/21/2001	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/11/2004	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/7/2004	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/15/2007	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/25/2014	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/1/2016	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/24/2018	205	184.83	0.0037	1.1926	5747	48.6993%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/12/1992	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/11/1996	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/7/2001	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	12/2/2001	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	3/27/2002	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/19/2003	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/4/2006	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	10/28/2006	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/6/2008	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/17/2010	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/21/2010	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	1/3/2011	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/1/2012	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/24/2014	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/6/2014	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/24/2014	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/27/2017	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/28/2017	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/16/2019	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	12/19/2020	204	183.83	0.0037	1.1890	5763	48.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/21/1990	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/9/1992	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/10/1992	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/14/1993	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/18/1993	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	3/22/1993	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/26/1994	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/13/1996	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/16/1996	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/2/1998	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/5/2001	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	12/16/2001	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/7/2002	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/8/2008	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/20/2012	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	5/9/2014	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	3/17/2017	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/14/2019	203	182.83	0.0037	1.1853	5783	49.0043%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	1/1/1997	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	3/21/2000	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	3/28/2002	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	7/26/2008	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	10/7/2008	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/5/2008	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	9/5/2010	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	6/1/2014	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	11/11/2017	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/20/2018	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/26/2021	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	4/27/2021	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	8/10/2021	202	181.83	0.0037	1.1816	5801	49.1569%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.1
USGS	5439500	2/17/1992	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	5/13/1992	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	12/9/1993	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	3/26/1996	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	4/28/1997	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	4/30/1997	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/3/1997	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/8/1998	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	3/14/2000	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	3/20/2000	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	9/23/2001	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
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USGS	5439500	4/5/2005	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	9/15/2007	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	10/17/2008	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	8/25/2010	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/3/2014	201	180.83	0.0037	1.1779	5814	49.2670%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/1/1990	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/11/1990	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	1/6/1991	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	1/8/1991	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	3/11/1991	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/21/1993	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
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USGS	5439500	2/18/1994	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	4/28/1994	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/20/1996	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
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USGS	5439500	7/1/1997	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	1/18/1998	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/29/2002	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/23/2004	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/12/2004	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	5/24/2005	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/26/2007	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	5/17/2007	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/23/2007	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/18/2007	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	10/18/2007	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	2/18/2010	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/24/2011	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/5/2012	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/17/2013	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	4/28/2014	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	5/7/2014	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	6/2/2014	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	10/24/2014	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/22/2018	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	7/6/2020	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	12/31/2020	200	179.83	0.0037	1.1742	5831	49.4111%	Phosphorus, Total		mg/L	0.83	1.11	-	5.3	7.0
USGS	5439500	12/11/1992	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/21/1995	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	6/25/2001	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	3/22/2004	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/7/2004	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	6/9/2005	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	10/4/2006	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/21/2008	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/9/2008	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	8/9/2011	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	5/21/2012	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/15/2017	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/15/2019	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/26/2019	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	9/14/2020	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/10/2021	199	178.83	0.0037	1.1705	5865	49.6992%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/18/1990	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/4/1991	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	5/11/1992	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/1/1996	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	4/27/1997	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	4/29/1997	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/3/1998	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/2/1998	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	3/15/2000	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/3/2001	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/17/2001	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/18/2001	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	2/25/2010	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/5/2011	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	4/22/2012	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	8/21/2016	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	3/18/2017	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	11/12/2017	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	12/20/2020	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	1/2/2021	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	4/28/2021	198	177.83	0.0037	1.1668	5881	49.8348%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	7.0
USGS	5439500	7/15/1990	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/26/1990	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/23/1990	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	3/12/1991	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/4/1996	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/6/2001	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/29/2001	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	2/16/2002	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/3/2004	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
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USGS	5439500	5/5/2012	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/8/2014	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/10/2014	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
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USGS	5439500	2/12/2017	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	1/28/2018	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/21/2020	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/14/2021	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/15/2021	197	176.83	0.0037	1.1631	5902	50.0127%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/28/1991	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/16/1993	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/22/1994	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	2/3/1995	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/9/1996	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/22/1998	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	4/6/1999	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/19/2000	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/7/2000	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	9/13/2000	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	12/4/2001	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	4/4/2002	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	4/22/2006	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	2/20/2010	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/3/2016	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/12/2016	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/14/2020	196	175.83	0.0037	1.1594	5924	50.1991%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/14/1990	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/19/1990	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	2/17/1993	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	2/22/1993	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/8/1993	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/24/1993	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	10/13/1993	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	6/30/1997	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	1/10/2007	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	10/24/2008	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
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USGS	5439500	7/19/2018	195	174.83	0.0037	1.1557	5941	50.3432%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	10/14/1990	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/20/1990	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	3/15/1991	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	6/21/1991	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
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USGS	5439500	7/6/1999	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	12/19/2001	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	7/31/2015	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	8/30/2015	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	3/23/2018	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	4/4/2018	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	11/23/2018	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	4/29/2021	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/13/2021	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	5/29/2021	194	173.83	0.0037	1.1521	5954	50.4534%	Phosphorus, Total		mg/L	0.83	1.11	-	5.2	6.9
USGS	5439500	10/24/1990	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	10/31/1991	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	11/1/1991	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	2/15/1992	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
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USGS	5439500	4/13/1994	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	4/26/1994	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	5/2/1996	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	11/18/2000	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	11/8/2001	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	12/16/2003	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	3/23/2004	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
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USGS	5439500	11/28/2004	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	3/15/2005	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	4/6/2005	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	6/16/2007	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	12/31/2010	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
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USGS	5439500	11/29/2017	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	4/1/2018	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	9/8/2020	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	1/1/2021	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	7/19/2021	193	172.83	0.0037	1.1484	5973	50.6144%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.9
USGS	5439500	2/26/1991	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	2/23/1993	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	5/19/2001	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/29/2004	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	4/5/2006	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	11/12/2008	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	7/15/2009	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	7/24/2009	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	5/22/2012	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	8/18/2017	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	11/13/2017	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	1/12/2018	192	171.83	0.0037	1.1447	5998	50.8262%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/15/1994	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	3/16/2000	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	6/30/2002	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	4/23/2007	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	10/18/2008	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	8/1/2011	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	10/25/2014	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	9/9/2018	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/21/2020	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	5/4/2021	191	170.83	0.0037	1.1410	6010	50.9279%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	8/13/1990	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	1/7/1991	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	1/11/1991	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
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USGS	5439500	6/15/1994	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	2/9/1995	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/19/1996	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/28/1996	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	1/27/1997	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	2/6/1997	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	6/1/2003	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/6/2006	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	11/9/2008	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	11/4/2011	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	4/26/2014	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	7/22/2016	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	2/22/2017	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/1/2020	190	169.83	0.0037	1.1373	6020	51.0126%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	10/7/1995	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	1/21/1996	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	11/3/1998	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	5/11/2004	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	5/22/2006	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	12/15/2007	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	7/17/2010	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	8/30/2018	189	168.83	0.0037	1.1336	6044	51.2160%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.8
USGS	5439500	7/12/1990	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	10/8/1993	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	2/5/1997	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	2/7/1997	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	4/7/1999	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	8/6/2000	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	12/5/2001	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	4/5/2002	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	5/4/2004	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	7/8/2004	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	3/16/2005	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	3/19/2005	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	6/20/2006	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	7/3/2008	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	3/29/2013	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	7/25/2014	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	7/10/2016	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	1/11/2018	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	1/3/2021	188	167.83	0.0037	1.1299	6052	51.2838%	Phosphorus, Total		mg/L	0.83	1.11	-	5.1	6.7
USGS	5439500	10/25/1993	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/30/1994	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	12/16/1994	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/11/1995	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	11/1/1995	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/21/1996	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	12/20/2001	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/7/2005	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	1/24/2007	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/18/2007	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/26/2010	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/3/2012	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/21/2018	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/7/2020	187	166.83	0.0037	1.1262	6071	51.4448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	1/16/1990	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/13/1991	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/14/1992	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/23/1997	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	12/20/1998	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/26/2001	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/6/2002	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	8/15/2002	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/5/2004	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/17/2005	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/25/2005	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/17/2006	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/27/2006	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	1/21/2007	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/25/2007	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/14/2009	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/25/2009	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/27/2010	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/28/2010	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/5/2011	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/11/2017	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	1/13/2018	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/17/2022	186	165.83	0.0037	1.1225	6085	51.5634%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/22/1991	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/25/1993	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/4/1995	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/14/1996	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/14/1998	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/8/1999	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	9/26/2000	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	12/6/2001	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/17/2002	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/19/2002	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/26/2003	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	8/1/2003	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/20/2005	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/21/2006	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/6/2012	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/23/2012	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/6/2012	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/14/2014	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	8/12/2017	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/25/2018	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/8/2020	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	12/26/2020	185	164.83	0.0037	1.1188	6108	51.7583%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/1/1993	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/26/1993	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	2/26/1995	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/25/1995	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	5/3/1996	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	8/5/1998	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/10/1999	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/10/1999	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/19/2000	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/10/2002	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	8/4/2004	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/18/2005	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/22/2006	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	10/19/2008	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	11/24/2008	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	11/25/2008	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	9/3/2009	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/17/2012	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/2/2016	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	3/24/2018	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	7/9/2020	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	4/30/2021	184	163.83	0.0037	1.1151	6130	51.9448%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.7
USGS	5439500	6/6/1992	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	2/26/1993	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	3/21/1993	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	11/19/2000	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	12/13/2001	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/13/2004	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	7/9/2004	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/14/2005	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	11/22/2008	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	8/26/2010	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	7/6/2011	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	7/26/2016	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	3/31/2018	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/3/2018	183	162.83	0.0037	1.1115	6152	52.1312%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	8/6/1990	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	11/24/1990	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	9/19/1993	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/4/1994	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/8/1995	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	11/24/1998	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/19/2000	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	7/20/2000	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	5/20/2001	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	5/7/2006	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	4/24/2007	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	9/16/2007	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	10/21/2008	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	8/4/2011	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	11/14/2017	182	161.83	0.0037	1.1078	6166	52.2498%	Phosphorus, Total		mg/L	0.83	1.11	-	5.0	6.6
USGS	5439500	2/27/1991	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	2/11/1992	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	7/9/1994	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	5/5/1996	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	3/25/2000	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	11/9/2001	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	5/28/2006	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/11/2007	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/12/2007	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	2/23/2013	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	12/4/2014	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	11/2/2015	181	160.83	0.0037	1.1041	6181	52.3769%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/9/1991	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/13/1991	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/16/1991	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	2/15/1993	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	2/21/1996	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	4/23/1996	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	12/31/1996	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/10/1997	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	2/8/1997	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/19/1998	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/11/2000	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	11/20/2000	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	10/19/2001	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	7/1/2002	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	8/26/2002	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	12/12/2004	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	1/20/2005	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	12/7/2006	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	10/21/2007	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	7/1/2008	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	6/4/2014	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	12/1/2014	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	9/4/2019	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	5/14/2021	180	159.83	0.0037	1.1004	6193	52.4786%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.6
USGS	5439500	9/2/1990	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/15/1992	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	2/28/1993	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/11/1993	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	8/4/2000	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/13/2004	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/23/2008	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/18/2013	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/26/2018	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/22/2018	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/22/2020	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/27/2020	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	10/27/2021	179	158.83	0.0037	1.0967	6217	52.6820%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	10/25/1990	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	2/27/1993	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	8/9/1993	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	6/20/1994	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/15/1996	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/29/1996	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	2/9/1997	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/21/1998	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/17/2000	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/22/2000	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/23/2005	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/19/2007	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/2/2008	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/8/2008	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/27/2008	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	10/20/2008	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	10/14/2011	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/23/2012	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/24/2012	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	8/31/2013	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/18/2013	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	1/14/2014	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/27/2019	178	157.83	0.0037	1.0930	6230	52.7921%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/23/1992	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/7/1992	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	10/27/1993	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/15/1996	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	9/28/1996	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/7/1999	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/10/2001	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	12/7/2001	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/6/2004	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/21/2005	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/24/2005	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/8/2005	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	6/29/2006	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	6/17/2007	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/31/2007	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/10/2008	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	8/10/2011	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/12/2014	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/19/2017	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/30/2017	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/2/2018	177	156.83	0.0037	1.0893	6253	52.9870%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/4/1994	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	3/4/1995	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/12/1995	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/25/1998	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/14/2004	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	4/23/2005	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/15/2005	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/25/2005	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/29/2006	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	1/15/2007	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	6/16/2012	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	2/16/2013	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/26/2014	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	11/13/2016	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	9/20/2018	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/22/2020	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	5/30/2021	176	155.83	0.0037	1.0856	6274	53.1650%	Phosphorus, Total		mg/L	0.83	1.11	-	4.9	6.5
USGS	5439500	7/16/1990	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	10/10/1990	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	2/4/1997	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	7/4/1997	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	11/26/1998	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	3/24/2000	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	2/18/2002	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	3/22/2005	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	9/17/2007	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	11/26/2008	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	7/17/2009	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	5/4/2012	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	6/7/2012	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	6/8/2012	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	5/11/2014	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	10/26/2014	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	3/20/2017	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	3/21/2017	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	5/15/2021	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	3/12/2022	175	154.83	0.0037	1.0819	6291	53.3090%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.5
USGS	5439500	8/1/1992	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/10/1992	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/12/1992	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/14/1993	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/7/2000	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/27/2001	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/21/2001	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/15/2003	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/29/2006	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/11/2006	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/20/2007	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	8/27/2010	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	8/29/2010	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	3/28/2013	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	4/3/2013	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/7/2013	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	9/25/2018	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/23/2020	174	153.83	0.0037	1.0782	6311	53.4785%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/27/1990	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/14/1992	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	2/16/1993	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/4/1998	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/9/1999	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	3/18/2000	173	152.83	0.0037	1.0746	6329	53.6310%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/5/1991	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/28/1993	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/29/1993	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/5/1994	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	4/22/1996	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	1/28/1997	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/1/1998	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	3/28/2000	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	8/9/2000	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/29/2003	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/20/2003	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/23/2006	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/26/2007	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/11/2008	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/6/2008	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	9/6/2010	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/31/2012	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/5/2014	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/26/2016	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/3/2021	172	151.83	0.0037	1.0709	6335	53.6819%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/17/1990	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	11/25/1990	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/23/1991	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	4/14/1994	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	8/17/1994	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	9/5/1996	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	6/24/1997	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	3/23/2000	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	3/27/2000	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/22/2001	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/2/2002	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	8/14/2002	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/16/2007	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	10/22/2008	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	2/1/2013	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	9/14/2014	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	9/19/2018	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	12/30/2020	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/5/2021	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	5/16/2021	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	6/15/2021	171	150.83	0.0037	1.0672	6355	53.8514%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.4
USGS	5439500	7/18/1990	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/10/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/12/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/14/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/15/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/17/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/3/1991	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/2/1992	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
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USGS	5439500	9/12/1992	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	8/13/1993	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/27/1993	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/31/1993	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/2/1994	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	4/5/1994	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/10/1995	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	3/26/1995	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/22/1996	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/2/1996	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/10/1997	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/20/1998	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/26/1998	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/27/1998	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/12/2000	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/21/2000	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/10/2006	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/13/2007	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/25/2007	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	2/27/2008	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	8/7/2008	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	5/25/2012	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	1/15/2014	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	4/27/2014	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	10/28/2014	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/28/2014	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/14/2016	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/1/2017	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	4/5/2018	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	12/2/2020	170	149.83	0.0037	1.0635	6376	54.0293%	Phosphorus, Total		mg/L	0.83	1.11	-	4.8	6.3
USGS	5439500	11/28/1993	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/21/1996	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	3/26/2000	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/8/2001	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/23/2001	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/17/2003	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	10/23/2006	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/26/2007	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/26/2007	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/3/2012	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/6/2014	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	10/27/2014	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	11/30/2014	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/23/2018	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	9/21/2018	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/15/2020	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/1/2021	169	148.83	0.0037	1.0598	6416	54.3683%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	10/15/1993	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/18/1993	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/6/1994	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/6/1996	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/22/1996	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/30/1996	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/25/1998	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	11/11/2001	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	11/15/2001	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/30/2003	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/15/2004	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/7/2004	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/23/2006	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	1/16/2007	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/18/2007	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	9/18/2007	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/7/2008	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/9/2012	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/12/2012	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/2/2014	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	2/21/2017	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/17/2017	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/7/2018	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/9/2021	168	147.83	0.0037	1.0561	6433	54.5123%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/2/1990	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/29/1990	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	10/26/1990	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/11/1993	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/17/1993	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	12/14/1993	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	10/28/1995	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/21/2000	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/11/2002	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/17/2003	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/23/2006	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/21/2007	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/28/2010	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/4/2012	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/24/2012	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/15/2012	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	2/18/2013	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	9/25/2016	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/13/2017	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	9/12/2019	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/2/2021	167	146.83	0.0037	1.0524	6457	54.7157%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/31/1990	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/8/1994	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	3/6/1996	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/24/1996	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/28/2001	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/27/2003	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	5/31/2003	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/5/2004	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/9/2005	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	11/27/2008	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	7/23/2009	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	6/13/2012	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	8/26/2014	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	11/24/2014	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	4/23/2018	166	145.83	0.0037	1.0487	6478	54.8937%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.3
USGS	5439500	1/18/1991	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	9/2/1993	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	12/15/1993	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	2/23/1996	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	7/15/1998	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	11/22/2000	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	7/4/2008	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	12/1/2008	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	8/8/2011	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	8/28/2011	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	8/1/2015	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	2/13/2017	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	2/15/2017	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	4/6/2018	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	1/4/2021	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	5/19/2021	165	144.83	0.0037	1.0450	6493	55.0208%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	2/5/1995	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	7/13/1995	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	3/7/1996	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	4/25/1996	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	5/7/1996	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	12/24/2001	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	5/24/2006	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	10/23/2008	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	10/6/2011	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	4/25/2012	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	6/14/2012	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	3/27/2013	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	1/29/2018	164	143.83	0.0037	1.0413	6509	55.1563%	Phosphorus, Total		mg/L	0.83	1.11	-	4.7	6.2
USGS	5439500	5/17/1992	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	5/7/1994	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	2/2/1997	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	2/3/1997	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/9/1997	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	11/5/1998	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	11/27/1998	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	11/30/1998	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	4/18/2000	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/1/2000	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	4/12/2005	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	4/15/2005	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	5/19/2005	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	11/28/2008	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	8/30/2010	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	9/1/2010	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/30/2014	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	2/14/2017	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	4/24/2018	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/24/2020	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	5/20/2021	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	3/16/2022	163	142.83	0.0037	1.0377	6522	55.2665%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	1/22/1990	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/28/1990	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	11/26/1990	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/13/1992	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	2/1/1997	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/20/1998	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	8/6/1998	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
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USGS	5439500	4/17/2004	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	5/22/2007	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/22/2007	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/18/2009	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	8/15/2011	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/3/2016	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	7/20/2021	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	3/14/2022	162	141.83	0.0037	1.0340	6544	55.4529%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.2
USGS	5439500	12/14/1992	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	9/25/1993	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/16/1993	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/12/1993	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/16/1993	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	9/22/2000	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/8/2004	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/14/2004	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/26/2005	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/10/2005	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/8/2006	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/14/2007	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/26/2009	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	9/2/2010	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/11/2012	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/27/2014	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/24/2016	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	3/25/2017	161	140.83	0.0037	1.0303	6561	55.5970%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/19/1991	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/4/1992	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/5/1992	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/30/1993	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/13/1993	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/11/1995	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/12/1995	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
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USGS	5439500	3/8/1996	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/3/1996	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/23/1996	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/13/1997	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/31/1997	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/11/1997	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/5/1997	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/18/1997	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/24/1998	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/10/2000	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/22/2000	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	3/29/2000	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/2/2000	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/14/2001	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/16/2004	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/13/2004	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/21/2005	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	4/20/2005	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	4/24/2005	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/26/2006	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/8/2006	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/9/2006	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	2/28/2008	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/2/2008	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	9/4/2009	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	4/29/2012	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/15/2016	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	4/25/2018	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	9/24/2018	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/17/2021	160	139.83	0.0037	1.0266	6579	55.7495%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/4/1992	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/9/1994	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/27/1999	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
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USGS	5439500	12/26/2001	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/3/2002	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
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USGS	5439500	7/22/2004	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/21/2005	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/27/2006	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/28/2008	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/29/2008	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/30/2008	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/31/2010	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/4/2011	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/26/2012	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/10/2012	159	138.83	0.0037	1.0229	6617	56.0715%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	3/14/1991	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/18/1992	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/21/1994	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/29/1995	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/30/1997	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/6/1998	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/11/1999	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	11/12/2001	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	4/10/2005	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	5/31/2006	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	10/24/2006	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	6/28/2007	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/12/2013	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/5/2016	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	8/20/2016	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/2/2017	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	12/5/2017	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	1/17/2021	158	137.83	0.0037	1.0192	6635	56.2240%	Phosphorus, Total		mg/L	0.83	1.11	-	4.6	6.1
USGS	5439500	7/13/1990	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	10/27/1990	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	2/28/1991	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	8/12/1993	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	9/20/1993	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	4/15/1994	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	8/21/1995	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	12/27/1996	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	12/8/1999	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	9/27/2000	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	12/3/2000	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	6/29/2001	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	5/9/2004	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	4/22/2005	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	9/19/2007	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	7/18/2010	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	7/7/2011	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	12/23/2014	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	11/1/2015	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	12/6/2017	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	7/23/2020	157	136.83	0.0037	1.0155	6653	56.3766%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.1
USGS	5439500	9/3/1990	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/22/1995	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/22/1996	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/14/1997	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/28/1998	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/29/1998	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/21/1999	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/27/2000	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/9/2002	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/25/2007	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	6/27/2007	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/8/2013	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	10/26/2020	156	135.83	0.0037	1.0118	6674	56.5545%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/22/1992	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/26/1993	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/20/1996	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/24/1996	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/13/2000	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/23/2000	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/30/2000	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/19/2005	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/7/2014	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/28/2020	155	134.83	0.0037	1.0081	6687	56.6647%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/3/1990	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	6/24/1991	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/18/1996	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/29/1996	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/16/1998	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/6/1998	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/4/2000	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/13/2001	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/16/2001	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	2/10/2002	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	6/2/2003	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/30/2004	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/16/2005	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/11/2005	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/16/2005	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/6/2006	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/17/2007	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/8/2008	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/2/2011	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	2/16/2017	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/14/2017	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/21/2021	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/21/2021	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/22/2021	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	3/15/2022	154	133.83	0.0037	1.0044	6697	56.7494%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/17/1993	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/6/1994	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/10/1994	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/26/1996	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/25/1996	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/26/1996	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/12/1997	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/24/2001	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/10/2001	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/11/2001	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/25/2001	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/11/2005	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/17/2005	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/18/2005	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/27/2005	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/23/2007	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
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USGS	5439500	7/5/2008	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
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USGS	5439500	2/17/2013	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/6/2016	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
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USGS	5439500	12/4/2017	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	9/22/2018	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/3/2020	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	1/18/2021	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/31/2021	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	12/12/2021	153	132.83	0.0037	1.0008	6722	56.9613%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/18/1992	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	11/29/1993	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/14/1995	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/8/1996	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/24/1999	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/17/2000	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	7/22/2000	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	10/8/2000	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/10/2004	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	4/26/2005	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	10/15/2011	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/6/2021	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	5/18/2021	152	131.83	0.0037	0.9971	6751	57.2070%	Phosphorus, Total		mg/L	0.83	1.11	-	4.5	6.0
USGS	5439500	8/9/1991	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	5/19/1992	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	5/24/1992	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/21/1993	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	6/22/1994	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/29/1997	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/12/1997	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/24/2000	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/26/2000	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	6/30/2001	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/20/2001	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/27/2001	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/19/2003	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/21/2005	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	5/30/2006	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/19/2009	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/12/2011	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/23/2011	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/5/2011	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	5/27/2012	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/29/2014	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/15/2018	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/5/2021	151	130.83	0.0037	0.9934	6764	57.3172%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/28/1990	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/20/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/23/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/26/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/28/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/2/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/30/1991	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/3/1992	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/6/1992	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/7/1996	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	3/9/1996	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/1/1996	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/11/1997	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/15/1997	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/13/1997	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/21/1998	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/23/1998	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/28/1998	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/4/2000	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/5/2000	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/4/2002	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/18/2004	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/15/2004	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/22/2005	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/17/2007	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/22/2007	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/3/2007	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/18/2007	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/29/2008	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/7/2011	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	10/6/2014	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	3/22/2017	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/10/2017	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/30/2018	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/26/2018	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/25/2020	150	129.83	0.0037	0.9897	6787	57.5121%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/8/1990	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/8/1991	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/3/1993	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/16/1994	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/2/1998	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/3/1998	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/4/1998	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/11/1999	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	3/30/2000	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/26/2001	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/20/2004	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/25/2005	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	5/9/2006	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	6/24/2006	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/30/2008	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/22/2009	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/7/2010	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/13/2014	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/25/2014	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/4/2016	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/27/2018	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/10/2018	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	9/23/2018	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/16/2021	149	128.83	0.0037	0.9860	6823	57.8171%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	1/22/1997	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/14/1997	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/6/1997	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	8/25/1998	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/6/2000	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/12/2001	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	4/27/2005	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/9/2008	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	2/24/2013	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/29/2014	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/16/2016	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	7/23/2021	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	12/11/2021	148	127.83	0.0037	0.9823	6847	58.0205%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.9
USGS	5439500	11/8/1992	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	12/2/1993	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	6/16/1994	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	12/9/1995	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	10/12/1999	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	1/16/2000	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	4/9/2000	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	12/28/2001	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	5/28/2005	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	6/30/2006	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	7/4/2006	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	9/5/2006	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	12/3/2008	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	10/13/2011	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	5/28/2012	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	1/16/2014	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	12/31/2014	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	1/1/2015	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	7/11/2016	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	9/4/2016	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	5/7/2021	147	126.83	0.0037	0.9786	6860	58.1307%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	3/10/1996	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	3/27/1996	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	11/7/1998	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	4/3/2000	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	4/10/2000	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	4/24/2006	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	6/29/2007	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	9/20/2007	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	3/1/2008	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	7/29/2008	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	10/24/2010	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	7/8/2011	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	4/5/2012	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	3/24/2017	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	9/15/2018	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	5/21/2021	146	125.83	0.0037	0.9749	6881	58.3086%	Phosphorus, Total		mg/L	0.83	1.11	-	4.4	5.8
USGS	5439500	1/21/1991	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	1/27/1991	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	1/29/1991	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/7/1992	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	3/6/1995	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	9/8/1995	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	2/24/1996	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	1/21/1997	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	8/5/2000	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	12/7/2000	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/17/2001	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
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USGS	5439500	8/1/2007	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	4/4/2013	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/6/2014	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	2/17/2017	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	4/28/2018	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	7/24/2020	145	124.83	0.0037	0.9712	6897	58.4442%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/23/1994	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	8/19/1994	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	3/31/2000	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	4/2/2000	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	4/11/2000	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/9/2003	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/24/2007	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	7/31/2008	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/29/2012	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	1/2/2015	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	2/18/2017	144	123.83	0.0037	0.9675	6915	58.5967%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	8/4/1990	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	8/14/1993	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/10/1994	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/4/1996	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/5/1996	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	10/17/1998	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/8/1998	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/28/2000	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	11/19/2001	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/10/2006	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/11/2006	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/1/2006	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	7/6/2008	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	6/9/2014	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	8/2/2015	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	2/20/2017	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	9/14/2018	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	12/4/2020	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	1/19/2021	143	122.83	0.0037	0.9638	6926	58.6899%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.8
USGS	5439500	5/20/1992	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/15/1993	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	3/5/1995	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/15/1995	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/9/1998	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	10/13/1999	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/15/2000	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	4/1/2000	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	4/8/2000	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/25/2000	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/29/2000	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/1/2001	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/25/2007	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/7/2011	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	2/24/2014	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/3/2015	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/9/2017	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/28/2021	142	121.83	0.0037	0.9602	6945	58.8509%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/25/1992	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	10/31/1993	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/20/1997	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	10/9/2000	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/18/2001	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	6/3/2003	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	3/11/2006	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	6/25/2006	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	10/30/2006	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/7/2008	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/20/2009	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/30/2012	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/28/2019	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/6/2021	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/8/2021	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	6/16/2021	141	120.83	0.0037	0.9565	6963	59.0035%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/22/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/24/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/25/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/30/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/31/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	6/25/1991	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	2/7/1992	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/21/1992	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/1/1993	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/3/1994	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	4/7/1994	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	5/11/1994	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/11/1995	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/6/1996	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/2/1996	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/16/1997	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	2/15/1997	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/10/1997	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/22/1998	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/22/1998	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/5/1999	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	4/4/2000	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/8/2000	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/20/2001	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/10/2002	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/5/2002	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/2/2003	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/23/2004	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	1/23/2005	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	3/18/2006	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	2/24/2007	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	9/21/2007	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/19/2007	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/4/2008	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/4/2008	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/19/2010	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/3/2011	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	7/28/2014	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/13/2015	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	12/7/2017	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	8/8/2018	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	6/1/2021	140	119.83	0.0037	0.9528	6979	59.1391%	Phosphorus, Total		mg/L	0.83	1.11	-	4.3	5.7
USGS	5439500	11/4/1990	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	10/7/1991	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	11/9/1992	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	3/25/1996	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/7/1997	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	12/5/1998	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/4/2001	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	5/29/2005	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	9/5/2009	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	9/23/2010	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	10/8/2011	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	12/17/2014	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/5/2016	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/29/2016	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	2/19/2017	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/24/2018	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	8/26/2019	139	118.83	0.0037	0.9491	7021	59.4950%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.7
USGS	5439500	7/23/1995	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/3/1996	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/18/1997	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/19/1997	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/6/1999	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/23/2000	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/31/2001	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/28/2005	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	5/17/2005	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/23/2007	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/5/2008	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/6/2011	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	3/23/2017	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/15/2017	138	117.83	0.0037	0.9454	7038	59.6390%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/4/1990	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/7/1996	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/6/2000	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/7/2000	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/27/2002	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/30/2005	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/12/2006	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/26/2007	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/21/2007	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/22/2010	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/25/2010	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/11/2011	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/17/2014	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/3/2015	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/8/2016	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/26/2016	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	5/22/2021	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	3/13/2022	137	116.83	0.0037	0.9417	7052	59.7576%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/4/1993	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/2/1993	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/3/1993	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	5/15/1994	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/17/1998	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/5/2000	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/12/2000	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/28/2000	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/21/2001	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/12/2002	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/31/2006	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/21/2009	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/27/2009	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/27/2012	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/28/2012	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/18/2014	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/19/2018	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/8/2018	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	5/27/2021	136	115.83	0.0037	0.9380	7070	59.9102%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/29/1990	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/30/1990	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	2/1/1991	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	2/13/1992	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/18/1993	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/22/1993	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/4/1993	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/5/1993	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/16/1993	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	5/12/1994	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/8/1996	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/10/2000	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/2/2001	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/22/2001	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/11/2002	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	6/4/2003	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/1/2004	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/7/2006	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/27/2010	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	3/11/2014	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	10/30/2014	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/4/2015	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/22/2015	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/17/2016	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/25/2016	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/19/2017	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/12/2021	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/20/2021	135	114.83	0.0037	0.9343	7089	60.0712%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	2/14/1992	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/23/1994	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/8/1997	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/12/1999	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/9/1999	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/31/2000	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/10/2000	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/14/2000	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/25/2006	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/30/2006	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	9/22/2007	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/10/2008	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	4/6/2012	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	7/19/2013	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	2/26/2014	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	8/3/2015	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/15/2018	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	12/5/2020	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	1/15/2021	134	113.83	0.0037	0.9306	7117	60.3084%	Phosphorus, Total		mg/L	0.83	1.11	-	4.2	5.6
USGS	5439500	11/14/1993	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/30/1993	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/11/1994	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/16/1995	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	4/27/1996	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/7/1999	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/13/2001	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/29/2001	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/1/2002	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/12/2002	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/18/2012	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/8/2014	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/16/2014	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/31/2018	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/29/2020	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/7/2021	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	5/26/2021	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/24/2021	133	112.83	0.0037	0.9269	7136	60.4695%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/31/1990	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/6/1991	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	8/2/1992	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	4/12/1994	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/6/1996	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/17/1997	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/16/1997	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/5/1999	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/7/2000	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/13/2002	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/14/2002	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/6/2002	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	5/18/2005	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/30/2007	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/20/2010	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	9/24/2010	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/16/2011	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/1/2013	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/7/2014	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/5/2015	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	8/4/2016	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/14/2018	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	9/6/2019	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/13/2021	132	111.83	0.0037	0.9233	7154	60.6220%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/1/1990	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/26/1991	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/17/1992	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/8/1999	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/3/2001	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/6/2002	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/7/2002	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	8/4/2003	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/22/2003	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/27/2007	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/24/2007	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	8/8/2008	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/3/2009	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	9/8/2010	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/9/2011	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	4/5/2013	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/19/2014	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/18/2016	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	4/9/2018	131	110.83	0.0037	0.9196	7178	60.8254%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/8/1992	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	5/26/1992	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/6/1993	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/15/1993	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	5/13/1994	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/20/1994	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/22/1994	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/13/1995	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/14/1995	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	3/7/1995	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	7/20/1995	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/12/1995	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/26/1996	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/23/1998	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/29/1998	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/1/1999	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/14/1999	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/14/2000	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	4/13/2000	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/16/2001	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/21/2001	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/23/2001	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/30/2001	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/10/2003	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/24/2005	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/29/2005	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/31/2005	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	2/23/2007	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/20/2007	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	9/25/2010	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	10/9/2011	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	9/15/2014	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	12/22/2014	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/6/2015	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	1/8/2021	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	5/23/2021	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	6/2/2021	130	109.83	0.0037	0.9159	7197	60.9864%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.5
USGS	5439500	11/2/1990	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	10/8/1995	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/23/1996	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	11/9/1996	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/19/1998	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/9/1999	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	4/14/2000	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	4/15/2000	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/5/2002	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/21/2003	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	3/12/2006	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/29/2009	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	9/11/2010	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	10/26/2010	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/29/2013	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/5/2014	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/7/2015	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/8/2015	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/14/2015	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/25/2020	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	9/15/2020	129	108.83	0.0037	0.9122	7234	61.2999%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/30/1992	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	4/8/1994	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	4/17/1994	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	8/22/1995	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/5/1996	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/24/2000	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	10/11/2000	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/2/2002	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/9/2002	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	8/16/2002	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/20/2003	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/14/2004	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	6/11/2005	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	7/1/2006	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	9/10/2010	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	10/28/2010	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/5/2011	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	10/31/2014	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	12/20/2014	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/9/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/10/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/11/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/12/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/13/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	1/15/2015	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	5/24/2021	128	107.83	0.0037	0.9085	7255	61.4778%	Phosphorus, Total		mg/L	0.83	1.11	-	4.1	5.4
USGS	5439500	9/5/1990	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	4/9/1994	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	5/16/1994	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	5/25/1994	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	10/30/1995	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	4/16/2000	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/4/2002	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	4/29/2005	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	6/2/2006	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	11/11/2006	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	7/28/2009	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/6/2009	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	10/22/2009	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/29/2011	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	4/7/2013	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	12/9/2014	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	11/23/2016	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/16/2017	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/20/2018	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	7/27/2020	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	12/6/2020	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/9/2021	127	106.83	0.0037	0.9048	7281	61.6982%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	11/3/1990	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	6/27/1991	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/18/1994	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/26/1994	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/10/1999	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	10/15/1999	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	10/14/2000	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/7/2002	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	3/15/2003	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	5/30/2005	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	10/5/2006	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/6/2008	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/8/2009	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/12/2010	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/18/2014	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	7/29/2014	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	12/21/2014	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/4/2015	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	9/18/2018	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/24/2021	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	6/3/2021	126	105.83	0.0037	0.9011	7303	61.8846%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	5/24/1994	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	3/28/1996	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/24/1998	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/29/2000	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/3/2002	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/15/2002	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	1/3/2005	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/23/2007	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	9/9/2010	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	4/7/2012	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	2/25/2013	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	12/6/2014	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	7/30/2019	125	104.83	0.0037	0.8974	7324	62.0625%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.4
USGS	5439500	8/14/1990	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/7/1991	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/19/1992	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/19/1993	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/13/1994	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/29/1996	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/16/1999	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/15/2000	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/8/2002	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/8/2002	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/8/2003	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/12/2005	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	2/1/2005	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	2/4/2005	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/5/2005	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/6/2007	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/1/2008	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/10/2014	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/20/2015	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/25/2018	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/14/2021	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	5/25/2021	124	103.83	0.0037	0.8937	7337	62.1727%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/1/1990	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/27/1993	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/26/1993	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/12/1994	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	3/11/1996	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/29/1998	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/10/1999	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/18/2000	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/12/2000	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/5/2001	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/20/2002	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	4/26/2006	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/3/2006	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/12/2006	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/4/2007	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/21/2010	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/21/2010	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/13/2011	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/5/2011	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/17/2011	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/20/2013	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/16/2015	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/31/2015	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	4/10/2018	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/11/2018	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/13/2018	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/26/2020	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/22/2021	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/17/2021	123	102.83	0.0037	0.8900	7359	62.3591%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/23/1990	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/13/1993	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/1/1993	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	5/14/1994	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/9/1996	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/11/1999	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/17/2001	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/19/2002	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/21/2002	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/13/2002	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	4/30/2005	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/6/2005	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/26/2010	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/27/2010	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/10/2011	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/11/2011	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/7/2011	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/19/2013	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/27/2014	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/15/2014	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/12/2016	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/13/2017	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/7/2020	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/4/2021	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/11/2021	122	101.83	0.0037	0.8864	7388	62.6049%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/7/1990	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	6/8/1992	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/23/1993	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	4/10/1994	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/28/1995	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	10/31/1995	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/29/1996	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/18/1998	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/21/1998	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/13/1999	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/25/1999	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	12/2/2004	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	5/1/2005	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	8/2/2007	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/13/2010	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	9/29/2010	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/11/2011	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	4/6/2013	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/17/2015	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/18/2015	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	11/19/2016	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	7/29/2019	121	100.83	0.0037	0.8827	7413	62.8167%	Phosphorus, Total		mg/L	0.83	1.11	-	4.0	5.3
USGS	5439500	1/4/1994	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/17/1994	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/14/1994	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/15/1995	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/17/1995	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/4/1996	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	9/15/1998	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/12/1999	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/9/2000	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/22/2001	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/16/2004	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/6/2004	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/25/2005	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/28/2005	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/22/2007	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/5/2008	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/20/2010	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/28/2010	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/10/2011	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/12/2011	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/8/2012	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/3/2013	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/26/2013	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/23/2014	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/30/2014	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/10/2014	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/27/2016	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/13/2019	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/11/2020	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/10/2021	120	99.83	0.0037	0.8790	7435	63.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	5/27/1992	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	3/8/1995	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/24/1995	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/17/1996	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/10/1996	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/25/1998	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/25/2000	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/8/2005	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	3/10/2006	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
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USGS	5439500	10/31/2006	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/17/2007	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/7/2009	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/3/2014	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/15/2017	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/13/2018	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/28/2019	119	98.83	0.0037	0.8753	7465	63.2574%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/9/1990	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/18/1992	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/20/1993	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/13/1999	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/17/2000	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	6/5/2003	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/21/2004	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/6/2006	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/30/2009	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/15/2010	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/19/2015	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/18/2015	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/8/2017	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/6/2018	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/11/2018	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/29/2018	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/27/2020	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/9/2020	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/11/2021	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	6/18/2021	118	97.83	0.0037	0.8716	7482	63.4014%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/9/1991	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/25/1994	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/6/1996	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/11/1997	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/7/1998	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/14/1999	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
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USGS	5439500	7/24/2004	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/4/2005	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	5/2/2005	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	5/3/2005	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	5/31/2005	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/25/2007	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/25/2007	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/14/2010	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
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USGS	5439500	8/20/2011	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/19/2012	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/7/2014	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/9/2015	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	12/8/2020	117	96.83	0.0037	0.8679	7502	63.5709%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/1/1991	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/13/1991	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/15/1991	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/26/1992	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/18/1994	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	5/17/1994	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/22/1995	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/6/1998	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/15/1999	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	10/15/2000	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	6/11/2003	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/10/2003	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	6/3/2006	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/2/2006	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/24/2007	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/26/2007	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
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USGS	5439500	9/19/2010	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	8/12/2011	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	4/9/2012	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/19/2014	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	2/27/2014	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/1/2014	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/4/2014	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	11/5/2014	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	1/20/2015	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	9/12/2018	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/28/2020	116	95.83	0.0037	0.8642	7525	63.7658%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.2
USGS	5439500	7/25/1992	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	9/14/1993	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	12/13/1995	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	4/28/1996	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	12/10/1996	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	1/2/1999	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	7/6/2001	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	7/1/2007	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/28/2007	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	9/16/2010	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	10/18/2011	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	12/21/2012	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	2/2/2013	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	2/9/2013	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	1/16/2018	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	7/31/2019	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	9/7/2020	115	94.83	0.0037	0.8605	7553	64.0031%	Phosphorus, Total		mg/L	0.83	1.11	-	3.9	5.1
USGS	5439500	1/24/1990	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	9/6/1990	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/17/1993	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/30/1996	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/26/1998	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/16/1999	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/17/1999	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/6/2003	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/20/2004	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/4/2009	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/13/2011	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/16/2011	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/30/2011	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/8/2014	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/8/2014	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/21/2015	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/22/2015	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/23/2015	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/10/2018	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/21/2018	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	5/2/2018	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/23/2021	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	6/5/2021	114	93.83	0.0037	0.8568	7570	64.1471%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	6/28/1991	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	9/5/1993	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/19/1993	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	4/19/1994	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	3/10/1995	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	3/29/1996	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/11/1996	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/7/1996	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	2/1/1998	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/17/1999	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/20/1999	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/22/2000	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/23/2000	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/18/2001	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/22/2002	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/23/2002	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	4/27/2006	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/28/2007	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	9/27/2007	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/16/2007	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/27/2007	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/31/2009	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/1/2010	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/2/2010	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/6/2010	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/7/2010	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	4/10/2012	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/7/2014	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/24/2015	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/19/2015	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/4/2015	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/26/2016	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/11/2017	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	2/18/2018	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	4/14/2018	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/10/2020	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	2/28/2021	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/30/2021	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/9/2021	113	92.83	0.0037	0.8531	7593	64.3420%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	5/28/1992	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	11/7/1993	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	9/10/1996	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/16/1997	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/18/1999	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/28/1999	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/26/2000	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/11/2000	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/2/2000	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/16/2000	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/7/2001	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/16/2002	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/17/2002	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/25/2002	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	6/1/2005	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/9/2008	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	8/21/2009	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/22/2010	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	9/18/2010	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	10/4/2010	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	2/16/2011	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/31/2014	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/11/2014	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	12/14/2014	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/25/2015	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	1/18/2018	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/26/2018	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	7/30/2020	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	6/20/2021	112	91.83	0.0037	0.8495	7632	64.6725%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.1
USGS	5439500	6/19/1992	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	4/11/1994	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/7/1996	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/24/1996	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/16/1996	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/8/1996	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/17/1997	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/19/1999	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/14/1999	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/11/1999	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/1/2000	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/24/2002	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/6/2002	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/4/2003	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/24/2004	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/2/2005	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	5/8/2005	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	5/10/2005	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/12/2005	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	3/19/2006	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/8/2006	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/5/2006	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/17/2010	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/3/2010	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/5/2010	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/8/2010	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/19/2011	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/6/2013	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/7/2013	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/16/2014	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/2/2014	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/3/2014	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/23/2014	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/20/2017	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/25/2020	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/19/2021	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/25/2021	111	90.83	0.0037	0.8458	7661	64.9182%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/2/1990	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/4/1992	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/22/1992	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/21/1993	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/18/1993	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/5/1994	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/16/1995	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/14/1995	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/15/1995	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/18/1996	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/19/1996	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/8/1998	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/31/1998	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/4/1999	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/20/1999	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/21/1999	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/19/2000	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/21/2000	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/18/2000	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/17/2000	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/8/2001	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/22/2004	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/17/2004	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/15/2004	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/26/2005	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/27/2005	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	5/9/2005	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/29/2007	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/20/2007	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/21/2007	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/26/2007	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/2/2008	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/10/2008	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/17/2009	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/9/2010	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/6/2011	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/25/2011	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/19/2012	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/6/2014	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/19/2014	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/26/2015	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/27/2015	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	4/12/2018	110	89.83	0.0037	0.8421	7698	65.2318%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/9/1992	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/21/1992	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	9/24/1993	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/24/1996	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	11/17/1996	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/27/1998	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/29/1998	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/30/1998	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/28/2002	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/6/2003	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/18/2003	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/3/2003	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/6/2004	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	5/4/2005	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/10/2010	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/14/2011	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/12/2014	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	12/12/2014	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/28/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/29/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/30/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	1/31/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	2/1/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/5/2015	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	8/7/2019	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	6/6/2021	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	10/28/2021	109	88.83	0.0037	0.8384	7741	65.5961%	Phosphorus, Total		mg/L	0.83	1.11	-	3.8	5.0
USGS	5439500	7/3/1992	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	11/20/1993	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	5/23/1994	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	5/26/1994	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/18/1995	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	11/12/1996	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	12/9/1996	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	9/20/1997	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/3/2000	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/3/2000	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	12/10/2000	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/19/2001	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/14/2002	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	12/3/2004	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	2/3/2005	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/26/2006	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	9/8/2009	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	8/2/2014	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/29/2015	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/13/2016	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	11/26/2016	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/29/2020	108	87.83	0.0037	0.8347	7768	65.8249%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/15/1994	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/25/1995	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	2/25/1996	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	11/20/1996	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/28/1998	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/31/1998	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	7/22/1998	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/20/2001	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	6/7/2003	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	6/12/2003	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	9/28/2007	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/11/2008	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/16/2009	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/11/2010	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	10/20/2011	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	4/11/2012	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	1/20/2014	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	11/7/2014	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	2/2/2015	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	8/22/2017	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	12/14/2017	107	86.83	0.0037	0.8310	7790	66.0114%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	5.0
USGS	5439500	8/2/1990	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/29/1991	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/20/1994	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/8/1996	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/13/1996	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/4/2000	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/27/2000	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/18/2000	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/16/2000	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/27/2001	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/23/2003	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/29/2003	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/2/2004	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/7/2005	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/5/2005	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/7/2005	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/2/2005	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/4/2005	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/4/2006	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/30/2007	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/1/2009	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/26/2009	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/31/2011	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/21/2011	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/4/2013	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/13/2014	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/4/2015	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/5/2015	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/6/2015	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/7/2015	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/8/2015	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/27/2016	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/21/2017	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/27/2018	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/21/2019	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/22/2020	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/7/2021	106	85.83	0.0037	0.8273	7811	66.1893%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/8/1993	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/24/1994	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/17/1995	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/27/1995	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/16/1995	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/17/1995	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/12/1996	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/21/1996	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/22/1996	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/18/1999	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/24/2000	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/25/2000	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/26/2000	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/11/2000	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/17/2000	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/9/2001	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	3/16/2003	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/31/2004	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/2/2007	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/3/2007	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/22/2007	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/23/2007	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/27/2013	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	3/4/2013	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/21/2013	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/27/2013	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/11/2014	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/3/2015	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/9/2015	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/10/2015	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/11/2015	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/28/2018	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/16/2020	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/8/2021	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/10/2021	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/30/2021	105	84.83	0.0037	0.8236	7848	66.5028%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/12/1990	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/17/1992	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/20/1994	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	3/12/1996	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/15/1999	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/26/1999	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/20/2000	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/18/2002	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/26/2002	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/31/2002	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/2/2002	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/9/2003	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/30/2003	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/6/2005	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/4/2006	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/1/2006	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/5/2007	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/12/2012	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/14/2012	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/31/2014	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/20/2014	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/12/2015	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/5/2016	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/1/2018	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/31/2020	104	83.83	0.0037	0.8199	7884	66.8079%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	7/4/1991	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/27/1992	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/13/1992	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/11/1993	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/12/1993	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/21/1993	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	5/21/1994	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/27/1996	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/15/1996	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/23/1996	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/28/1996	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/19/1999	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/12/1999	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/16/1999	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/1/2000	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/21/2000	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/19/2000	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/27/2000	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	12/15/2000	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/1/2002	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/6/2003	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/2/2005	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	1/5/2005	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/3/2005	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	6/7/2005	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/28/2006	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/29/2007	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	8/2/2009	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/29/2010	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/22/2011	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/24/2011	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	10/26/2011	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	4/13/2012	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	3/10/2014	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/6/2014	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/12/2015	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/7/2015	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/21/2016	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	11/20/2016	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	2/1/2018	103	82.83	0.0037	0.8162	7909	67.0197%	Phosphorus, Total		mg/L	0.83	1.11	-	3.7	4.9
USGS	5439500	9/22/1990	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	5/22/1994	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	5/27/1994	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/19/1995	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/6/1995	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	3/30/1996	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/11/1996	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/24/1996	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/31/2000	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/24/2000	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/15/2001	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/24/2003	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/25/2004	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/3/2004	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/8/2005	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/2/2007	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/3/2007	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/2/2009	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/14/2010	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/15/2011	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/8/2014	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/12/2014	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/13/2015	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/28/2016	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/27/2016	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/30/2018	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/28/2020	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/9/2021	102	81.83	0.0037	0.8125	7949	67.3587%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/2/1991	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/28/1993	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/6/1993	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/9/1993	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/25/1993	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	5/18/1994	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/29/1995	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/23/1995	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/25/1996	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/23/1998	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/13/1999	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/21/2001	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/10/2001	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/13/2003	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/13/2005	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/16/2006	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/29/2007	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/9/2009	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/10/2009	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/5/2013	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/9/2014	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/10/2014	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/14/2015	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/15/2015	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/23/2015	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/28/2016	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/13/2021	101	80.83	0.0037	0.8089	7977	67.5960%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/7/1990	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/30/1991	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/20/1992	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/6/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/11/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/12/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/16/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	5/19/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	6/19/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/16/1994	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/18/1995	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/18/1995	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/19/1995	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/19/1997	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/16/1998	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/7/1998	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/3/1999	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/27/1999	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/9/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/20/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/26/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/10/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/29/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/21/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/23/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/25/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/12/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/18/2000	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/27/2002	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/18/2004	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/19/2004	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/4/2004	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/16/2004	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/31/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/1/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/2/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/3/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/17/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/18/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/19/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/4/2007	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/18/2009	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/1/2011	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/5/2014	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/16/2015	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	3/9/2015	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/6/2015	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/7/2016	100	79.83	0.0037	0.8052	8004	67.8248%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/28/2002	99.9	79.73	0.0037	0.8048	8052	68.2315%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/5/2007	99.9	79.73	0.0037	0.8048	8052	68.2315%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/27/2011	99.9	79.73	0.0037	0.8048	8052	68.2315%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/10/2011	99.8	79.63	0.0037	0.8044	8055	68.2569%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/30/2014	99.8	79.63	0.0037	0.8044	8055	68.2569%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/10/2009	99.7	79.53	0.0037	0.8041	8057	68.2739%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/6/2011	99.7	79.53	0.0037	0.8041	8057	68.2739%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/21/2014	99.7	79.53	0.0037	0.8041	8057	68.2739%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/17/2018	99.7	79.53	0.0037	0.8041	8057	68.2739%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/17/2015	99.6	79.43	0.0037	0.8037	8061	68.3078%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/11/2003	99.5	79.33	0.0037	0.8033	8062	68.3162%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/21/2014	99.5	79.33	0.0037	0.8033	8062	68.3162%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/14/2019	99.5	79.33	0.0037	0.8033	8062	68.3162%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/5/2002	99.4	79.23	0.0037	0.8030	8065	68.3417%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/1/2014	99.4	79.23	0.0037	0.8030	8065	68.3417%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/16/2018	99.4	79.23	0.0037	0.8030	8065	68.3417%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/22/2009	99.2	79.03	0.0037	0.8022	8068	68.3671%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/29/2018	99.1	78.93	0.0037	0.8018	8069	68.3756%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/3/1992	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/23/1993	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/21/1995	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	3/31/1996	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/6/1996	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/18/1996	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	7/17/1999	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/2/2000	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/9/2000	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/14/2000	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/7/2002	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/28/2013	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/5/2014	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/22/2014	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/7/2018	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/7/2019	99	78.83	0.0037	0.8015	8070	68.3840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/29/2021	98.9	78.73	0.0037	0.8011	8086	68.5196%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/18/2015	98.7	78.53	0.0037	0.8004	8087	68.5281%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/19/2015	98.7	78.53	0.0037	0.8004	8087	68.5281%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/20/2015	98.7	78.53	0.0037	0.8004	8087	68.5281%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/21/2015	98.7	78.53	0.0037	0.8004	8087	68.5281%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/12/2018	98.7	78.53	0.0037	0.8004	8087	68.5281%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/9/2005	98.6	78.43	0.0037	0.8000	8092	68.5705%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/8/2014	98.6	78.43	0.0037	0.8000	8092	68.5705%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/17/2018	98.6	78.43	0.0037	0.8000	8092	68.5705%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/31/2021	98.6	78.43	0.0037	0.8000	8092	68.5705%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/3/2002	98.5	78.33	0.0037	0.7996	8096	68.6044%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/1/2007	98.3	78.13	0.0037	0.7989	8097	68.6128%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/6/2015	98.2	78.03	0.0037	0.7985	8098	68.6213%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	5/29/1992	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/22/1993	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/22/1993	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	11/24/1993	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/21/1994	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/27/1994	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	3/9/1995	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/25/1996	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/26/1996	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/3/1996	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/5/1996	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	4/12/1996	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/15/1999	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/5/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/27/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/30/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/2/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/3/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/13/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/16/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/22/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/28/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/29/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	12/13/2000	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/4/2007	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/5/2007	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/6/2007	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/15/2007	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/16/2007	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/28/2014	98	77.83	0.0037	0.7978	8099	68.6298%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/22/2015	97.9	77.73	0.0037	0.7974	8129	68.8840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/23/2015	97.9	77.73	0.0037	0.7974	8129	68.8840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	2/24/2015	97.9	77.73	0.0037	0.7974	8129	68.8840%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/18/2006	97.8	77.63	0.0037	0.7970	8132	68.9094%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/15/2010	97.8	77.63	0.0037	0.7970	8132	68.9094%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/23/2010	97.8	77.63	0.0037	0.7970	8132	68.9094%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/28/2011	97.8	77.63	0.0037	0.7970	8132	68.9094%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/29/2019	97.7	77.53	0.0037	0.7967	8136	68.9433%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	1/29/2002	97.6	77.43	0.0037	0.7963	8137	68.9518%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/23/2011	97.6	77.43	0.0037	0.7963	8137	68.9518%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	9/17/2014	97.6	77.43	0.0037	0.7963	8137	68.9518%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/18/2019	97.6	77.43	0.0037	0.7963	8137	68.9518%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/25/2021	97.6	77.43	0.0037	0.7963	8137	68.9518%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/19/2006	97.5	77.33	0.0037	0.7959	8142	68.9942%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/5/2007	97.5	77.33	0.0037	0.7959	8142	68.9942%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	8/3/2008	97.5	77.33	0.0037	0.7959	8142	68.9942%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/20/2009	97.5	77.33	0.0037	0.7959	8142	68.9942%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.8
USGS	5439500	10/12/2010	97.4	77.23	0.0037	0.7956	8146	69.0280%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	8/29/1993	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	9/7/1993	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	10/9/1994	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	4/4/1996	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	4/13/1996	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	7/18/1999	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	12/17/1999	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	7/28/2000	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	8/12/2000	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	10/30/2000	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	12/29/2000	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	1/6/2001	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	2/6/2002	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	2/25/2015	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/11/2015	97	76.83	0.0037	0.7941	8147	69.0365%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	8/17/2011	96.9	76.73	0.0037	0.7937	8162	69.1636%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	12/26/2003	96.8	76.63	0.0037	0.7934	8163	69.1721%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	6/20/2012	96.8	76.63	0.0037	0.7934	8163	69.1721%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	1/21/2014	96.8	76.63	0.0037	0.7934	8163	69.1721%	Phosphorus, Total		mg/L	0.83	1.11	-	3.6	4.7
USGS	5439500	8/17/2002	96.7	76.53	0.0037	0.7930	8166	69.1975%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/1/2005	96.7	76.53	0.0037	0.7930	8166	69.1975%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/19/2009	96.6	76.43	0.0037	0.7926	8168	69.2145%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/17/2017	96.6	76.43	0.0037	0.7926	8168	69.2145%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/27/2003	96.5	76.33	0.0037	0.7923	8170	69.2314%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/17/2015	96.5	76.33	0.0037	0.7923	8170	69.2314%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/16/2011	96.4	76.23	0.0037	0.7919	8172	69.2484%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/26/2021	96.4	76.23	0.0037	0.7919	8172	69.2484%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/9/2002	96.3	76.13	0.0037	0.7915	8174	69.2653%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/30/2015	96.3	76.13	0.0037	0.7915	8174	69.2653%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/22/2016	96.2	76.03	0.0037	0.7911	8176	69.2823%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/4/2007	96.1	75.93	0.0037	0.7908	8177	69.2907%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/10/1990	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/5/1991	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	5/30/1992	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/23/1993	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	3/13/1996	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	4/1/1996	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/14/1996	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/29/1996	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/20/1999	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/11/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/12/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/19/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/28/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/30/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/31/2000	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/1/2001	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/7/2001	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/28/2003	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	4/29/2006	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/7/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/8/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/9/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/10/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/11/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/12/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/13/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/14/2007	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	3/3/2013	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/17/2014	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/26/2015	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/23/2017	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/25/2021	96	75.83	0.0037	0.7904	8178	69.2992%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/28/2014	95.9	75.73	0.0037	0.7900	8210	69.5704%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/12/2017	95.9	75.73	0.0037	0.7900	8210	69.5704%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/30/2002	95.8	75.63	0.0037	0.7897	8212	69.5873%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/28/2004	95.8	75.63	0.0037	0.7897	8212	69.5873%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/22/2013	95.8	75.63	0.0037	0.7897	8212	69.5873%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/14/2015	95.8	75.63	0.0037	0.7897	8212	69.5873%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/21/2016	95.7	75.53	0.0037	0.7893	8216	69.6212%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/8/2002	95.6	75.43	0.0037	0.7889	8217	69.6297%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/11/2009	95.6	75.43	0.0037	0.7889	8217	69.6297%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/8/2018	95.5	75.33	0.0037	0.7886	8219	69.6466%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/31/2003	95.3	75.13	0.0037	0.7878	8220	69.6551%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/30/2007	95.3	75.13	0.0037	0.7878	8220	69.6551%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/17/2018	95.3	75.13	0.0037	0.7878	8220	69.6551%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/13/2014	95.2	75.03	0.0037	0.7875	8223	69.6805%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/1/2010	95.1	74.93	0.0037	0.7871	8224	69.6890%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/11/2011	95.1	74.93	0.0037	0.7871	8224	69.6890%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/14/2014	95.1	74.93	0.0037	0.7871	8224	69.6890%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/8/1990	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/15/1992	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/13/1994	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	5/28/1994	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	4/2/1996	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/12/1997	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/30/1998	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/16/1999	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/14/2000	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/31/2000	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/2/2000	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/27/2000	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/5/2001	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/8/2001	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/11/2001	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/8/2001	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/8/2013	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/13/2014	95	74.83	0.0037	0.7867	8227	69.7144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/3/2007	94.9	74.73	0.0037	0.7863	8245	69.8670%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/30/2010	94.9	74.73	0.0037	0.7863	8245	69.8670%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/22/2014	94.9	74.73	0.0037	0.7863	8245	69.8670%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/29/2021	94.9	74.73	0.0037	0.7863	8245	69.8670%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/22/2006	94.8	74.63	0.0037	0.7860	8249	69.9009%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/17/2010	94.6	74.43	0.0037	0.7852	8250	69.9093%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/22/2019	94.6	74.43	0.0037	0.7852	8250	69.9093%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/21/2003	94.5	74.33	0.0037	0.7849	8252	69.9263%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/5/2004	94.5	74.33	0.0037	0.7849	8252	69.9263%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/15/2011	94.4	74.23	0.0037	0.7845	8254	69.9432%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/1/2020	94.4	74.23	0.0037	0.7845	8254	69.9432%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/9/2014	94.3	74.13	0.0037	0.7841	8256	69.9602%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	6/14/2003	94.2	74.03	0.0037	0.7838	8257	69.9686%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/16/2010	94.2	74.03	0.0037	0.7838	8257	69.9686%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	4/7/2003	94.1	73.93	0.0037	0.7834	8259	69.9856%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/27/1992	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/28/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/29/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/7/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/8/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/30/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/1/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/3/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/5/2000	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/15/2002	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/17/2004	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	4/3/2006	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	6/5/2006	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/20/2010	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/20/2010	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	2/27/2015	94	73.83	0.0037	0.7830	8260	69.9941%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/19/2010	93.9	73.73	0.0037	0.7827	8276	70.1297%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/14/2016	93.9	73.73	0.0037	0.7827	8276	70.1297%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/6/2006	93.8	73.63	0.0037	0.7823	8278	70.1466%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/2/2006	93.8	73.63	0.0037	0.7823	8278	70.1466%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/29/2016	93.8	73.63	0.0037	0.7823	8278	70.1466%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/21/2010	93.7	73.53	0.0037	0.7819	8281	70.1720%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/30/2007	93.6	73.43	0.0037	0.7816	8282	70.1805%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/2/2011	93.6	73.43	0.0037	0.7816	8282	70.1805%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/5/2015	93.6	73.43	0.0037	0.7816	8282	70.1805%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/26/2021	93.5	73.33	0.0037	0.7812	8285	70.2059%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/1/2019	93.4	73.23	0.0037	0.7808	8286	70.2144%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/18/2017	93.3	73.13	0.0037	0.7804	8287	70.2229%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/5/2009	93.2	73.03	0.0037	0.7801	8288	70.2313%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/24/2010	93.2	73.03	0.0037	0.7801	8288	70.2313%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	3/2/2013	93.2	73.03	0.0037	0.7801	8288	70.2313%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/29/2020	93.1	72.93	0.0037	0.7797	8291	70.2568%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/8/1991	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	8/5/1992	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/28/1992	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/10/1993	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	7/26/1995	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/29/1996	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	9/26/1996	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/21/1999	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/14/1999	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/7/2000	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	11/4/2000	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	12/26/2000	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/2/2001	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	1/9/2001	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/11/2009	93	72.83	0.0037	0.7793	8292	70.2652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.7
USGS	5439500	10/31/2007	92.9	72.73	0.0037	0.7790	8307	70.3923%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/28/2015	92.9	72.73	0.0037	0.7790	8307	70.3923%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/1/2015	92.9	72.73	0.0037	0.7790	8307	70.3923%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/12/2020	92.9	72.73	0.0037	0.7790	8307	70.3923%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	1/11/2005	92.8	72.63	0.0037	0.7786	8311	70.4262%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	12/25/2010	92.8	72.63	0.0037	0.7786	8311	70.4262%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/29/2002	92.7	72.53	0.0037	0.7782	8313	70.4432%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/20/2006	92.7	72.53	0.0037	0.7782	8313	70.4432%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/15/2014	92.7	72.53	0.0037	0.7782	8313	70.4432%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	6/14/2005	92.6	72.43	0.0037	0.7779	8316	70.4686%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	9/7/2014	92.6	72.43	0.0037	0.7779	8316	70.4686%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/12/2008	92.5	72.33	0.0037	0.7775	8318	70.4856%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/3/2009	92.4	72.23	0.0037	0.7771	8319	70.4940%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/13/2010	92.2	72.03	0.0037	0.7764	8320	70.5025%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	12/19/2017	92.2	72.03	0.0037	0.7764	8320	70.5025%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/26/2004	92.1	71.93	0.0037	0.7760	8322	70.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/18/2009	92.1	71.93	0.0037	0.7760	8322	70.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/22/2010	92.1	71.93	0.0037	0.7760	8322	70.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/2/2015	92.1	71.93	0.0037	0.7760	8322	70.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/3/2015	92.1	71.93	0.0037	0.7760	8322	70.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/21/1992	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/23/1992	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/24/1992	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	9/23/1992	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	4/22/1994	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	4/25/1994	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/22/1999	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/4/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/15/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/13/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/6/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	12/20/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	12/25/2000	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/4/2002	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/5/2002	92	71.83	0.0037	0.7756	8327	70.5618%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/1/2011	91.9	71.73	0.0037	0.7753	8342	70.6889%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/5/2007	91.8	71.63	0.0037	0.7749	8343	70.6974%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/23/2013	91.8	71.63	0.0037	0.7749	8343	70.6974%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/29/2011	91.7	71.53	0.0037	0.7745	8345	70.7143%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/4/2014	91.7	71.53	0.0037	0.7745	8345	70.7143%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/7/2015	91.6	71.43	0.0037	0.7742	8347	70.7313%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/4/2007	91.5	71.33	0.0037	0.7738	8348	70.7398%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	1/23/2014	91.5	71.33	0.0037	0.7738	8348	70.7398%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/2/2020	91.5	71.33	0.0037	0.7738	8348	70.7398%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/21/2009	91.3	71.13	0.0037	0.7731	8351	70.7652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/4/2015	91.3	71.13	0.0037	0.7731	8351	70.7652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/5/2015	91.3	71.13	0.0037	0.7731	8351	70.7652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/6/2015	91.3	71.13	0.0037	0.7731	8351	70.7652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/8/2019	91.3	71.13	0.0037	0.7731	8351	70.7652%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	1/10/2005	91.1	70.93	0.0037	0.7723	8356	70.8076%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	4/7/1996	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	9/13/1996	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/27/1996	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/5/2000	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/6/2000	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	2/20/2000	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	12/24/2000	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	1/4/2001	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	8/5/2003	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/29/2018	91	70.83	0.0037	0.7720	8357	70.8160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	10/18/2010	90.9	70.73	0.0037	0.7716	8367	70.9008%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	3/8/2013	90.9	70.73	0.0037	0.7716	8367	70.9008%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	7/28/2021	90.9	70.73	0.0037	0.7716	8367	70.9008%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/1/2007	90.7	70.53	0.0037	0.7708	8370	70.9262%	Phosphorus, Total		mg/L	0.83	1.11	-	3.5	4.6
USGS	5439500	11/12/2015	90.6	70.43	0.0037	0.7705	8371	70.9347%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	2/13/2018	90.6	70.43	0.0037	0.7705	8371	70.9347%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/31/2011	90.5	70.33	0.0037	0.7701	8373	70.9516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/22/2014	90.5	70.33	0.0037	0.7701	8373	70.9516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/16/2015	90.5	70.33	0.0037	0.7701	8373	70.9516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/8/2016	90.5	70.33	0.0037	0.7701	8373	70.9516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/2/2007	90.4	70.23	0.0037	0.7697	8377	70.9855%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	9/22/2009	90.3	70.13	0.0037	0.7694	8378	70.9940%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/27/2021	90.3	70.13	0.0037	0.7694	8378	70.9940%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	3/8/2015	90.2	70.03	0.0037	0.7690	8380	71.0109%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/13/2017	90.2	70.03	0.0037	0.7690	8380	71.0109%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/6/2019	90.2	70.03	0.0037	0.7690	8380	71.0109%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	11/2/2011	90.1	69.93	0.0037	0.7686	8383	71.0364%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	6/10/1992	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/7/1994	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/10/1994	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/14/1994	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	4/23/1994	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/23/1994	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/27/1995	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/20/1995	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/28/1996	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	3/14/1996	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	3/15/1996	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	4/9/1996	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/25/1996	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/24/1998	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/19/1999	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/19/1999	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/21/2000	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/22/2000	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/23/2000	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/3/2001	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/12/2001	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	2/21/2004	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/6/2007	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/23/2010	90	69.83	0.0037	0.7683	8384	71.0448%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/23/2013	89.9	69.73	0.0037	0.7679	8408	71.2482%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/11/2020	89.9	69.73	0.0037	0.7679	8408	71.2482%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	11/16/2014	89.8	69.63	0.0037	0.7675	8410	71.2651%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	3/7/2015	89.8	69.63	0.0037	0.7675	8410	71.2651%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	3/17/2003	89.7	69.53	0.0037	0.7672	8412	71.2821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	9/12/2009	89.7	69.53	0.0037	0.7672	8412	71.2821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/27/2021	89.7	69.53	0.0037	0.7672	8412	71.2821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/20/2006	89.6	69.43	0.0037	0.7668	8415	71.3075%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/6/2007	89.5	69.33	0.0037	0.7664	8416	71.3160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/10/2009	89.5	69.33	0.0037	0.7664	8416	71.3160%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/29/2004	89.4	69.23	0.0037	0.7661	8418	71.3329%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	9/9/2019	89.4	69.23	0.0037	0.7661	8418	71.3329%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/23/2009	89.2	69.03	0.0037	0.7653	8420	71.3499%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	12/20/2017	89.2	69.03	0.0037	0.7653	8420	71.3499%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	2/1/2006	89.1	68.93	0.0037	0.7649	8422	71.3668%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/3/1990	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/8/1991	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/3/1995	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/9/1995	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/23/1999	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	2/19/2000	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	1/22/2001	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	6/6/2006	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/3/2020	89	68.83	0.0037	0.7646	8423	71.3753%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	11/2/2007	88.9	68.73	0.0037	0.7642	8432	71.4516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/11/2021	88.9	68.73	0.0037	0.7642	8432	71.4516%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	7/16/2002	88.8	68.63	0.0037	0.7638	8434	71.4685%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/6/2006	88.7	68.53	0.0037	0.7635	8435	71.4770%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	8/20/2009	88.7	68.53	0.0037	0.7635	8435	71.4770%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/6/2009	88.7	68.53	0.0037	0.7635	8435	71.4770%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	6/15/2003	88.6	68.43	0.0037	0.7631	8438	71.5024%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	10/30/2011	88.6	68.43	0.0037	0.7631	8438	71.5024%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	9/10/2019	88.5	68.33	0.0037	0.7627	8440	71.5194%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.6
USGS	5439500	9/9/2016	88.4	68.23	0.0037	0.7624	8441	71.5278%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/30/2010	88.3	68.13	0.0037	0.7620	8442	71.5363%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/9/2011	88.3	68.13	0.0037	0.7620	8442	71.5363%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/22/2017	88.2	68.03	0.0037	0.7616	8444	71.5533%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/1/2004	88.1	67.93	0.0037	0.7613	8445	71.5617%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/18/1990	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	5/31/1992	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/11/1992	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/15/1994	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/16/1994	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/17/1994	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	4/24/1994	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/17/1994	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/9/1995	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	4/8/1996	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/30/1996	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/1/2000	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/6/2000	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/16/2000	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/17/2000	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/3/2002	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/18/2004	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/30/2004	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/26/2010	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/30/2016	88	67.83	0.0037	0.7609	8446	71.5702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/18/2007	87.9	67.73	0.0037	0.7605	8466	71.7397%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/20/2007	87.9	67.73	0.0037	0.7605	8466	71.7397%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/18/2014	87.9	67.73	0.0037	0.7605	8466	71.7397%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/4/2009	87.8	67.63	0.0037	0.7601	8469	71.7651%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	3/1/2014	87.8	67.63	0.0037	0.7601	8469	71.7651%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/13/2013	87.7	67.53	0.0037	0.7598	8471	71.7821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/24/2017	87.7	67.53	0.0037	0.7598	8471	71.7821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/12/2019	87.7	67.53	0.0037	0.7598	8471	71.7821%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/6/2001	87.6	67.43	0.0037	0.7594	8474	71.8075%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	11/3/2006	87.6	67.43	0.0037	0.7594	8474	71.8075%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	11/16/2020	87.6	67.43	0.0037	0.7594	8474	71.8075%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	11/24/2007	87.5	67.33	0.0037	0.7590	8477	71.8329%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/21/2010	87.5	67.33	0.0037	0.7590	8477	71.8329%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/3/2011	87.5	67.33	0.0037	0.7590	8477	71.8329%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/11/2015	87.4	67.23	0.0037	0.7587	8480	71.8583%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	4/9/2006	87.3	67.13	0.0037	0.7583	8481	71.8668%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/8/2013	87.3	67.13	0.0037	0.7583	8481	71.8668%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/23/2012	87.2	67.03	0.0037	0.7579	8483	71.8837%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/10/2008	87.1	66.93	0.0037	0.7576	8484	71.8922%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/15/2009	87.1	66.93	0.0037	0.7576	8484	71.8922%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/21/2017	87.1	66.93	0.0037	0.7576	8484	71.8922%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/15/1990	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/11/1990	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/21/1990	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/20/1992	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/8/1993	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	4/14/1996	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/13/1997	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/29/1999	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/21/2000	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/14/2000	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/13/2001	87	66.83	0.0037	0.7572	8487	71.9176%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/31/2015	86.9	66.73	0.0037	0.7568	8498	72.0108%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/9/2018	86.9	66.73	0.0037	0.7568	8498	72.0108%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/11/2018	86.8	66.63	0.0037	0.7565	8500	72.0278%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	11/22/2003	86.7	66.53	0.0037	0.7561	8501	72.0363%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/11/2009	86.7	66.53	0.0037	0.7561	8501	72.0363%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/31/2010	86.4	66.23	0.0037	0.7550	8503	72.0532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	3/1/2013	86.4	66.23	0.0037	0.7550	8503	72.0532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/11/2007	86.1	65.93	0.0037	0.7539	8505	72.0702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/27/2010	86.1	65.93	0.0037	0.7539	8505	72.0702%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/18/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/19/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/20/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/21/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/29/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	5/29/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/25/1994	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/24/1995	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/23/1995	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	3/16/1996	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/14/1996	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/8/2000	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/17/2000	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	2/18/2000	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/2/2004	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/27/2004	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/4/2011	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/1/2016	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/15/2019	86	65.83	0.0037	0.7535	8507	72.0871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/31/2021	85.9	65.73	0.0037	0.7531	8526	72.2481%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/2/2010	85.8	65.63	0.0037	0.7528	8527	72.2566%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/18/2011	85.8	65.63	0.0037	0.7528	8527	72.2566%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/29/2014	85.8	65.63	0.0037	0.7528	8527	72.2566%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	11/20/2013	85.5	65.33	0.0037	0.7517	8530	72.2820%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/3/2019	85.4	65.23	0.0037	0.7513	8531	72.2905%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/17/2020	85.3	65.13	0.0037	0.7509	8532	72.2990%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/5/2002	85.2	65.03	0.0037	0.7506	8533	72.3074%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	4/8/2003	85.2	65.03	0.0037	0.7506	8533	72.3074%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/10/2015	85.2	65.03	0.0037	0.7506	8533	72.3074%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/7/2016	85.2	65.03	0.0037	0.7506	8533	72.3074%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/14/1992	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/22/1992	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	7/27/1992	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/19/1992	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	1/30/1994	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	5/30/1994	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/26/1994	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	9/24/1994	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/10/1994	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/19/1997	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/27/1998	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/8/1998	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	10/26/1999	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/19/2000	85	64.83	0.0037	0.7498	8537	72.3413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	12/22/2010	84.9	64.73	0.0037	0.7494	8551	72.4600%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/13/2008	84.8	64.63	0.0037	0.7491	8552	72.4684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/12/2014	84.8	64.63	0.0037	0.7491	8552	72.4684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/21/2015	84.8	64.63	0.0037	0.7491	8552	72.4684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/9/2018	84.8	64.63	0.0037	0.7491	8552	72.4684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/9/2019	84.8	64.63	0.0037	0.7491	8552	72.4684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	8/12/2020	84.7	64.53	0.0037	0.7487	8557	72.5108%	Phosphorus, Total		mg/L	0.83	1.11	-	3.4	4.5
USGS	5439500	6/7/2006	84.6	64.43	0.0037	0.7483	8558	72.5193%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/21/2006	84.6	64.43	0.0037	0.7483	8558	72.5193%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	12/18/2010	84.6	64.43	0.0037	0.7483	8558	72.5193%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/8/2019	84.6	64.43	0.0037	0.7483	8558	72.5193%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	10/12/2009	84.5	64.33	0.0037	0.7480	8562	72.5532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/24/2012	84.5	64.33	0.0037	0.7480	8562	72.5532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/24/2013	84.5	64.33	0.0037	0.7480	8562	72.5532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	2/16/2018	84.5	64.33	0.0037	0.7480	8562	72.5532%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	11/5/2003	84.4	64.23	0.0037	0.7476	8566	72.5871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/15/2005	84.4	64.23	0.0037	0.7476	8566	72.5871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/21/2012	84.4	64.23	0.0037	0.7476	8566	72.5871%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/13/2006	84.3	64.13	0.0037	0.7472	8569	72.6125%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	10/9/2014	84.3	64.13	0.0037	0.7472	8569	72.6125%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	8/8/2015	84.1	63.93	0.0037	0.7465	8571	72.6294%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	10/25/2015	84.1	63.93	0.0037	0.7465	8571	72.6294%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	11/8/2015	84.1	63.93	0.0037	0.7465	8571	72.6294%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/4/1991	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	11/10/1991	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/1/1992	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/2/1992	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/12/1992	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	6/15/1992	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/4/1992	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	1/22/1994	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	1/23/1994	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	1/24/1994	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/17/1994	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	1/30/1996	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	4/10/1996	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/14/1997	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	7/28/1999	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	12/22/1999	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/28/2001	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/5/2011	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	9/24/2015	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	8/20/2019	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	8/4/2020	84	63.83	0.0037	0.7461	8574	72.6549%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	10/30/2020	83.9	63.73	0.0037	0.7458	8595	72.8328%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.5
USGS	5439500	8/7/2009	83.8	63.63	0.0037	0.7454	8596	72.8413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/15/2016	83.8	63.63	0.0037	0.7454	8596	72.8413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/10/2018	83.8	63.63	0.0037	0.7454	8596	72.8413%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/17/2010	83.7	63.53	0.0037	0.7450	8599	72.8667%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/11/2020	83.7	63.53	0.0037	0.7450	8599	72.8667%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/4/2006	83.6	63.43	0.0037	0.7446	8601	72.8837%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/2/2013	83.6	63.43	0.0037	0.7446	8601	72.8837%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/2/2019	83.5	63.33	0.0037	0.7443	8603	72.9006%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/9/2007	83.2	63.03	0.0037	0.7432	8604	72.9091%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/13/2009	83.2	63.03	0.0037	0.7432	8604	72.9091%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/28/2013	83.2	63.03	0.0037	0.7432	8604	72.9091%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	3/2/2014	83.2	63.03	0.0037	0.7432	8604	72.9091%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/2/2018	83.2	63.03	0.0037	0.7432	8604	72.9091%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/2/2013	83.1	62.93	0.0037	0.7428	8609	72.9514%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/19/2019	83.1	62.93	0.0037	0.7428	8609	72.9514%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/13/1993	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/31/1994	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/2/1994	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/17/1996	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/23/1996	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/26/1996	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/24/1999	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/17/2000	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/10/2001	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/14/2001	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/23/2001	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/7/2006	83	62.83	0.0037	0.7424	8611	72.9684%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/7/2007	82.8	62.63	0.0037	0.7417	8623	73.0701%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/7/2011	82.7	62.53	0.0037	0.7413	8624	73.0786%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/16/2017	82.7	62.53	0.0037	0.7413	8624	73.0786%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/5/2020	82.5	62.33	0.0037	0.7406	8626	73.0955%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/1/2010	82.4	62.23	0.0037	0.7402	8627	73.1040%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	6/22/2012	82.4	62.23	0.0037	0.7402	8627	73.1040%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/7/2009	82.3	62.13	0.0037	0.7399	8629	73.1209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/2/2019	82.3	62.13	0.0037	0.7399	8629	73.1209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	3/21/2006	82.2	62.03	0.0037	0.7395	8631	73.1379%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/12/2011	82.1	61.93	0.0037	0.7391	8632	73.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/17/2015	82.1	61.93	0.0037	0.7391	8632	73.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/2/2016	82.1	61.93	0.0037	0.7391	8632	73.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/31/2022	82.1	61.93	0.0037	0.7391	8632	73.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/24/1992	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/25/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/26/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/27/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/28/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/3/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/27/1994	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/30/1995	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/4/1995	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/5/1995	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	3/17/1996	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/15/1996	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/20/1997	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/25/1998	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/28/1998	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/20/2000	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/14/2001	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	6/20/2003	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/19/2004	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/21/2006	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/7/2007	82	61.83	0.0037	0.7387	8636	73.1802%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/5/2009	81.9	61.73	0.0037	0.7384	8657	73.3582%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/21/2009	81.7	61.53	0.0037	0.7376	8658	73.3667%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/24/2014	81.7	61.53	0.0037	0.7376	8658	73.3667%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/10/2014	81.7	61.53	0.0037	0.7376	8658	73.3667%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/12/2003	81.6	61.43	0.0037	0.7373	8661	73.3921%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/11/2014	81.6	61.43	0.0037	0.7373	8661	73.3921%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/19/2010	81.5	61.33	0.0037	0.7369	8663	73.4090%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/19/2011	81.5	61.33	0.0037	0.7369	8663	73.4090%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/23/2017	81.5	61.33	0.0037	0.7369	8663	73.4090%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/17/2002	81.4	61.23	0.0037	0.7365	8666	73.4345%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/11/2014	81.4	61.23	0.0037	0.7365	8666	73.4345%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/17/2020	81.4	61.23	0.0037	0.7365	8666	73.4345%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/3/2007	81.3	61.13	0.0037	0.7362	8669	73.4599%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	3/3/2014	81.3	61.13	0.0037	0.7362	8669	73.4599%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/7/2016	81.3	61.13	0.0037	0.7362	8669	73.4599%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/26/2013	81.2	61.03	0.0037	0.7358	8672	73.4853%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/25/2017	81.2	61.03	0.0037	0.7358	8672	73.4853%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/1/2021	81.1	60.93	0.0037	0.7354	8674	73.5022%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/9/1990	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/3/1991	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/14/1991	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/4/1991	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/16/1992	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	3/23/1996	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/30/1999	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/31/1999	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/15/2000	81	60.83	0.0037	0.7351	8675	73.5107%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	6/21/2003	80.9	60.73	0.0037	0.7347	8684	73.5870%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/13/2015	80.9	60.73	0.0037	0.7347	8684	73.5870%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/1/2022	80.9	60.73	0.0037	0.7347	8684	73.5870%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/23/2019	80.8	60.63	0.0037	0.7343	8687	73.6124%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	6/16/2003	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/25/2003	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/5/2006	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/15/2015	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/9/2016	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/3/2019	80.6	60.43	0.0037	0.7336	8688	73.6209%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	6/19/2003	80.5	60.33	0.0037	0.7332	8694	73.6717%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/9/2009	80.5	60.33	0.0037	0.7332	8694	73.6717%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/26/2017	80.5	60.33	0.0037	0.7332	8694	73.6717%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/8/2007	80.3	60.13	0.0037	0.7325	8697	73.6971%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/21/2014	80.3	60.13	0.0037	0.7325	8697	73.6971%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/1/2015	80.3	60.13	0.0037	0.7325	8697	73.6971%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/9/2004	80.2	60.03	0.0037	0.7321	8700	73.7226%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/30/2002	80.1	59.93	0.0037	0.7317	8701	73.7310%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/18/2015	80.1	59.93	0.0037	0.7317	8701	73.7310%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/1/1990	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/9/1993	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/8/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/9/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/1/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/4/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/5/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/6/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	5/31/1994	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/6/1996	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	4/11/1996	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/19/1996	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/30/1998	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/18/1999	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/23/1999	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/29/1999	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/18/2000	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/11/2001	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/13/2001	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/3/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/4/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/5/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/6/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/7/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/8/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/20/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	12/29/2004	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/6/2005	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/17/2009	80	59.83	0.0037	0.7314	8703	73.7480%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/22/2014	79.9	59.73	0.0037	0.7310	8732	73.9937%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/28/2004	79.8	59.63	0.0037	0.7306	8733	74.0022%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/6/2009	79.8	59.63	0.0037	0.7306	8733	74.0022%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	10/14/2009	79.8	59.63	0.0037	0.7306	8733	74.0022%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/18/2002	79.7	59.53	0.0037	0.7303	8736	74.0276%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	8/10/2019	79.7	59.53	0.0037	0.7303	8736	74.0276%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	7/19/2003	79.5	59.33	0.0037	0.7295	8738	74.0446%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/19/2014	79.5	59.33	0.0037	0.7295	8738	74.0446%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	2/15/2018	79.5	59.33	0.0037	0.7295	8738	74.0446%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/15/2020	79.5	59.33	0.0037	0.7295	8738	74.0446%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	1/30/2022	79.5	59.33	0.0037	0.7295	8738	74.0446%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	9/13/2009	79.4	59.23	0.0037	0.7291	8743	74.0869%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.4
USGS	5439500	11/13/2006	79.3	59.13	0.0037	0.7288	8744	74.0954%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	11/4/2007	79.3	59.13	0.0037	0.7288	8744	74.0954%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	3/9/2014	79.3	59.13	0.0037	0.7288	8744	74.0954%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/10/2015	79.3	59.13	0.0037	0.7288	8744	74.0954%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/9/2015	79.2	59.03	0.0037	0.7284	8748	74.1293%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/4/2019	79.2	59.03	0.0037	0.7284	8748	74.1293%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	3/18/2003	79.1	58.93	0.0037	0.7280	8750	74.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/30/2019	79.1	58.93	0.0037	0.7280	8750	74.1463%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	10/9/1990	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/8/1991	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	6/13/1992	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	6/23/1992	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	3/18/1996	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	3/24/1996	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	9/18/1997	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	10/25/1999	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	12/24/1999	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/12/2001	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	1/24/2001	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	7/15/2001	79	58.83	0.0037	0.7277	8752	74.1632%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	3/4/2014	78.9	58.73	0.0037	0.7273	8764	74.2649%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	6/25/2012	78.8	58.63	0.0037	0.7269	8765	74.2734%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	1/29/2022	78.8	58.63	0.0037	0.7269	8765	74.2734%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	1/13/2011	78.6	58.43	0.0037	0.7262	8767	74.2903%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	8/17/2019	78.6	58.43	0.0037	0.7262	8767	74.2903%	Phosphorus, Total		mg/L	0.83	1.11	-	3.3	4.3
USGS	5439500	12/22/2012	78.5	58.33	0.0037	0.7258	8769	74.3073%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/25/2014	78.4	58.23	0.0037	0.7255	8770	74.3157%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/5/2014	78.4	58.23	0.0037	0.7255	8770	74.3157%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/16/2016	78.4	58.23	0.0037	0.7255	8770	74.3157%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/27/2017	78.4	58.23	0.0037	0.7255	8770	74.3157%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/30/2017	78.3	58.13	0.0037	0.7251	8774	74.3496%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/14/2018	78.3	58.13	0.0037	0.7251	8774	74.3496%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/6/2020	78.3	58.13	0.0037	0.7251	8774	74.3496%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/14/2007	78.2	58.03	0.0037	0.7247	8777	74.3751%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/16/2022	78.2	58.03	0.0037	0.7247	8777	74.3751%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/23/1990	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/26/1991	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/11/1991	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/29/1992	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/7/1994	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/19/1994	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/31/1996	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/19/1996	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/20/1996	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/16/1996	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/1/1996	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/25/1999	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/26/1999	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/27/1999	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/3/2001	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/10/2001	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/10/2004	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/20/2004	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/8/2007	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/23/2009	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/11/2019	78	57.83	0.0037	0.7240	8779	74.3920%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/18/2002	77.9	57.73	0.0037	0.7236	8800	74.5700%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/26/2017	77.9	57.73	0.0037	0.7236	8800	74.5700%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/12/2021	77.9	57.73	0.0037	0.7236	8800	74.5700%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/13/2022	77.8	57.63	0.0037	0.7232	8803	74.5954%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/17/2011	77.7	57.53	0.0037	0.7229	8804	74.6038%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/6/2016	77.7	57.53	0.0037	0.7229	8804	74.6038%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/16/2010	77.6	57.43	0.0037	0.7225	8806	74.6208%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/25/2013	77.6	57.43	0.0037	0.7225	8806	74.6208%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/6/2006	77.5	57.33	0.0037	0.7221	8808	74.6377%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/10/2014	77.5	57.33	0.0037	0.7221	8808	74.6377%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	6/16/2005	77.4	57.23	0.0037	0.7218	8810	74.6547%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/12/2009	77.4	57.23	0.0037	0.7218	8810	74.6547%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/13/2011	77.4	57.23	0.0037	0.7218	8810	74.6547%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/14/2011	77.4	57.23	0.0037	0.7218	8810	74.6547%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/3/2006	77.3	57.13	0.0037	0.7214	8814	74.6886%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/13/2014	77.3	57.13	0.0037	0.7214	8814	74.6886%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/10/2007	77.2	57.03	0.0037	0.7210	8816	74.7055%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/5/2019	77.2	57.03	0.0037	0.7210	8816	74.7055%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	4/9/2003	77.1	56.93	0.0037	0.7207	8818	74.7225%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/31/2020	77.1	56.93	0.0037	0.7207	8818	74.7225%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/12/1990	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	6/3/1992	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	6/16/1992	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/6/1995	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/24/1995	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/17/1996	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/26/1996	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/27/1999	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/29/1999	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/30/1999	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/28/1999	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/9/2008	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/26/2014	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/22/2016	77	56.83	0.0037	0.7203	8820	74.7394%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/8/2009	76.9	56.73	0.0037	0.7199	8834	74.8581%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/28/2017	76.9	56.73	0.0037	0.7199	8834	74.8581%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/29/2017	76.9	56.73	0.0037	0.7199	8834	74.8581%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/28/2022	76.9	56.73	0.0037	0.7199	8834	74.8581%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/2/2022	76.9	56.73	0.0037	0.7199	8834	74.8581%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/14/2021	76.8	56.63	0.0037	0.7196	8839	74.9004%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/2/2010	76.7	56.53	0.0037	0.7192	8840	74.9089%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/10/2014	76.7	56.53	0.0037	0.7192	8840	74.9089%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/9/2015	76.7	56.53	0.0037	0.7192	8840	74.9089%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	4/5/2003	76.6	56.43	0.0037	0.7188	8843	74.9343%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	6/8/2006	76.6	56.43	0.0037	0.7188	8843	74.9343%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/7/2006	76.5	56.33	0.0037	0.7184	8845	74.9513%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/25/2015	76.5	56.33	0.0037	0.7184	8845	74.9513%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/16/2019	76.5	56.33	0.0037	0.7184	8845	74.9513%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/29/2004	76.4	56.23	0.0037	0.7181	8848	74.9767%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/5/2007	76.4	56.23	0.0037	0.7181	8848	74.9767%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	4/10/2006	76.2	56.03	0.0037	0.7173	8850	74.9936%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/15/2007	76.1	55.93	0.0037	0.7170	8851	75.0021%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/6/2014	76.1	55.93	0.0037	0.7170	8851	75.0021%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/18/2014	76.1	55.93	0.0037	0.7170	8851	75.0021%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/7/2020	76.1	55.93	0.0037	0.7170	8851	75.0021%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/25/1995	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/22/1995	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/9/1998	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/29/1999	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/11/2004	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/28/2004	76	55.83	0.0037	0.7166	8855	75.0360%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/25/2007	75.9	55.73	0.0037	0.7162	8861	75.0869%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/1/2014	75.9	55.73	0.0037	0.7162	8861	75.0869%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/12/2007	75.8	55.63	0.0037	0.7159	8863	75.1038%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/13/2007	75.8	55.63	0.0037	0.7159	8863	75.1038%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/7/2014	75.6	55.43	0.0037	0.7151	8865	75.1208%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/22/2011	75.5	55.33	0.0037	0.7148	8866	75.1292%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/13/2020	75.5	55.33	0.0037	0.7148	8866	75.1292%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/12/2022	75.5	55.33	0.0037	0.7148	8866	75.1292%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/1/2020	75.3	55.13	0.0037	0.7140	8869	75.1546%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/2/2002	75.2	55.03	0.0037	0.7136	8870	75.1631%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/14/2008	75.2	55.03	0.0037	0.7136	8870	75.1631%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	3/8/2014	75.2	55.03	0.0037	0.7136	8870	75.1631%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/15/2015	75.2	55.03	0.0037	0.7136	8870	75.1631%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/12/2015	75.2	55.03	0.0037	0.7136	8870	75.1631%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/27/2014	75.1	54.93	0.0037	0.7133	8875	75.2055%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/14/2014	75.1	54.93	0.0037	0.7133	8875	75.2055%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/13/1990	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/6/1991	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/28/1992	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/14/1992	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/10/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/11/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/12/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/13/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/14/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	2/15/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/11/1994	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	12/23/1995	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/16/1996	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/21/1997	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/22/1997	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/28/1999	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/31/1999	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/1/1999	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	11/2/1999	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/20/2000	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/19/2000	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/25/2001	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/16/2001	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/17/2001	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/8/2006	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/6/2007	75	54.83	0.0037	0.7129	8877	75.2224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	10/6/2002	74.9	54.73	0.0037	0.7125	8903	75.4428%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	7/22/2003	74.9	54.73	0.0037	0.7125	8903	75.4428%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	6/26/2012	74.9	54.73	0.0037	0.7125	8903	75.4428%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	1/4/2006	74.8	54.63	0.0037	0.7122	8906	75.4682%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	9/21/2014	74.8	54.63	0.0037	0.7122	8906	75.4682%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.3
USGS	5439500	8/27/2016	74.7	54.53	0.0037	0.7118	8908	75.4851%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/15/2010	74.6	54.43	0.0037	0.7114	8909	75.4936%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/16/2015	74.5	54.33	0.0037	0.7111	8910	75.5021%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/29/2006	74.4	54.23	0.0037	0.7107	8911	75.5105%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/3/2010	74.4	54.23	0.0037	0.7107	8911	75.5105%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	3/9/2013	74.4	54.23	0.0037	0.7107	8911	75.5105%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/20/2014	74.4	54.23	0.0037	0.7107	8911	75.5105%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/8/2006	74.3	54.13	0.0037	0.7103	8915	75.5444%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/28/2015	74.3	54.13	0.0037	0.7103	8915	75.5444%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/10/2020	74.3	54.13	0.0037	0.7103	8915	75.5444%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/28/2010	74.2	54.03	0.0037	0.7100	8918	75.5699%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/29/2010	74.2	54.03	0.0037	0.7100	8918	75.5699%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/1/2021	74.1	53.93	0.0037	0.7096	8920	75.5868%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/4/1990	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	2/8/1994	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	6/1/1994	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/28/1994	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/25/1995	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	2/1/1996	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/18/1996	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/26/1998	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/18/2001	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/12/2004	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/21/2004	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/27/2004	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/28/2014	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/26/2015	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/3/2016	74	53.83	0.0037	0.7092	8921	75.5953%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/11/2014	73.9	53.73	0.0037	0.7089	8936	75.7224%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/14/2009	73.7	53.53	0.0037	0.7081	8937	75.7309%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/31/2017	73.7	53.53	0.0037	0.7081	8937	75.7309%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	2/7/2022	73.7	53.53	0.0037	0.7081	8937	75.7309%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/10/2006	73.5	53.33	0.0037	0.7074	8940	75.7563%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/9/2007	73.5	53.33	0.0037	0.7074	8940	75.7563%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/7/2008	73.5	53.33	0.0037	0.7074	8940	75.7563%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/12/2010	73.5	53.33	0.0037	0.7074	8940	75.7563%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/29/2014	73.5	53.33	0.0037	0.7074	8940	75.7563%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/18/2020	73.4	53.23	0.0037	0.7070	8945	75.7987%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/4/2002	73.3	53.13	0.0037	0.7066	8946	75.8071%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/18/2011	73.3	53.13	0.0037	0.7066	8946	75.8071%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/25/2017	73.3	53.13	0.0037	0.7066	8946	75.8071%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/21/2013	73.2	53.03	0.0037	0.7063	8949	75.8326%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/17/2016	73.2	53.03	0.0037	0.7063	8949	75.8326%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/31/2018	73.2	53.03	0.0037	0.7063	8949	75.8326%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/8/2020	73.2	53.03	0.0037	0.7063	8949	75.8326%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	2/6/2022	73.2	53.03	0.0037	0.7063	8949	75.8326%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/25/2010	73.1	52.93	0.0037	0.7059	8954	75.8749%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/26/2015	73.1	52.93	0.0037	0.7059	8954	75.8749%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/1/2019	73.1	52.93	0.0037	0.7059	8954	75.8749%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/20/1992	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	6/2/1994	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/18/1994	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/1/1995	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/15/1995	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/24/1995	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/31/1995	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/11/1996	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/14/1996	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	1/15/1996	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	3/21/1996	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	3/22/1996	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/15/1997	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/18/1997	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/5/1998	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/3/1999	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/16/2000	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/29/2001	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/6/2011	73	52.83	0.0037	0.7055	8957	75.9003%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/4/2004	72.9	52.73	0.0037	0.7052	8976	76.0614%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/4/2010	72.9	52.73	0.0037	0.7052	8976	76.0614%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	11/10/2015	72.9	52.73	0.0037	0.7052	8976	76.0614%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	8/24/2019	72.9	52.73	0.0037	0.7052	8976	76.0614%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	6/17/2003	72.8	52.63	0.0037	0.7048	8980	76.0952%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/11/2007	72.8	52.63	0.0037	0.7048	8980	76.0952%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/3/2010	72.8	52.63	0.0037	0.7048	8980	76.0952%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	6/27/2012	72.7	52.53	0.0037	0.7044	8983	76.1207%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/12/2014	72.7	52.53	0.0037	0.7044	8983	76.1207%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	10/18/2016	72.7	52.53	0.0037	0.7044	8983	76.1207%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	9/18/2020	72.7	52.53	0.0037	0.7044	8983	76.1207%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	7/31/2013	72.6	52.43	0.0037	0.7041	8987	76.1546%	Phosphorus, Total		mg/L	0.83	1.11	-	3.2	4.2
USGS	5439500	12/4/2010	72.5	52.33	0.0037	0.7037	8988	76.1630%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/11/2015	72.5	52.33	0.0037	0.7037	8988	76.1630%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/20/2002	72.4	52.23	0.0037	0.7033	8990	76.1800%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/18/2016	72.4	52.23	0.0037	0.7033	8990	76.1800%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/26/2007	72.3	52.13	0.0037	0.7029	8992	76.1969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/11/2019	72.3	52.13	0.0037	0.7029	8992	76.1969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/5/2010	72.2	52.03	0.0037	0.7026	8994	76.2139%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/7/2010	72.2	52.03	0.0037	0.7026	8994	76.2139%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	2/3/2022	72.2	52.03	0.0037	0.7026	8994	76.2139%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/10/1993	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	2/9/1994	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/31/1995	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/26/1995	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/21/1995	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/12/1996	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/13/1996	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/9/1998	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/4/1999	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/20/1999	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/26/2001	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/19/2001	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/22/2004	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/23/2004	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/24/2004	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/25/2004	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/26/2004	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/29/2013	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/30/2014	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/29/2015	72	51.83	0.0037	0.7018	8997	76.2393%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/13/2020	71.9	51.73	0.0037	0.7015	9017	76.4088%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	4/11/2006	71.8	51.63	0.0037	0.7011	9018	76.4173%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/9/2006	71.8	51.63	0.0037	0.7011	9018	76.4173%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/10/2010	71.8	51.63	0.0037	0.7011	9018	76.4173%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/10/2014	71.8	51.63	0.0037	0.7011	9018	76.4173%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/6/2016	71.8	51.63	0.0037	0.7011	9018	76.4173%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	2/20/2014	71.7	51.53	0.0037	0.7007	9023	76.4596%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/9/2020	71.7	51.53	0.0037	0.7007	9023	76.4596%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/11/2010	71.6	51.43	0.0037	0.7004	9025	76.4766%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	2/12/2011	71.6	51.43	0.0037	0.7004	9025	76.4766%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/29/2021	71.6	51.43	0.0037	0.7004	9025	76.4766%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/31/2002	71.5	51.33	0.0037	0.7000	9028	76.5020%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/27/2007	71.5	51.33	0.0037	0.7000	9028	76.5020%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/6/2003	71.4	51.23	0.0037	0.6996	9030	76.5189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/20/2004	71.4	51.23	0.0037	0.6996	9030	76.5189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/30/2004	71.3	51.13	0.0037	0.6993	9032	76.5359%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/14/2015	71.3	51.13	0.0037	0.6993	9032	76.5359%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/13/2010	71.2	51.03	0.0037	0.6989	9034	76.5528%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/23/2014	71.2	51.03	0.0037	0.6989	9034	76.5528%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/3/2014	71.2	51.03	0.0037	0.6989	9034	76.5528%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	12/10/2007	71.1	50.93	0.0037	0.6985	9037	76.5783%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/24/2010	71.1	50.93	0.0037	0.6985	9037	76.5783%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/31/2014	71.1	50.93	0.0037	0.6985	9037	76.5783%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/5/1990	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/12/1991	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/30/1992	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	6/3/1994	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	6/18/1994	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/1/1996	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/19/1996	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/21/1996	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/28/2001	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/20/2001	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	10/7/2006	71	50.83	0.0037	0.6982	9040	76.6037%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/19/2002	70.9	50.73	0.0037	0.6978	9051	76.6969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/22/2006	70.9	50.73	0.0037	0.6978	9051	76.6969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/1/2013	70.9	50.73	0.0037	0.6978	9051	76.6969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	1/27/2022	70.9	50.73	0.0037	0.6978	9051	76.6969%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	6/22/2003	70.8	50.63	0.0037	0.6974	9055	76.7308%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/15/2009	70.8	50.63	0.0037	0.6974	9055	76.7308%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/6/2013	70.8	50.63	0.0037	0.6974	9055	76.7308%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/14/2020	70.8	50.63	0.0037	0.6974	9055	76.7308%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/6/2007	70.7	50.53	0.0037	0.6970	9059	76.7647%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	6/27/2003	70.6	50.43	0.0037	0.6967	9060	76.7732%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	11/28/2007	70.5	50.33	0.0037	0.6963	9061	76.7816%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/15/2008	70.5	50.33	0.0037	0.6963	9061	76.7816%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	8/19/2009	70.5	50.33	0.0037	0.6963	9061	76.7816%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	6/17/2005	70.4	50.23	0.0037	0.6959	9064	76.8071%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/30/2013	70.4	50.23	0.0037	0.6959	9064	76.8071%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	7/19/2011	70.3	50.13	0.0037	0.6956	9066	76.8240%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	9/8/2014	70.3	50.13	0.0037	0.6956	9066	76.8240%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.2
USGS	5439500	2/1/2014	70.1	49.93	0.0037	0.6948	9068	76.8409%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/19/2016	70.1	49.93	0.0037	0.6948	9068	76.8409%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/21/1992	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/4/1994	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/24/1994	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/28/1994	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/10/1995	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/2/1996	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/2/1996	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/11/2000	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/27/2001	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/29/2001	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/23/2001	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/24/2001	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/25/2001	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/23/2003	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/13/2004	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/19/2004	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/6/2010	70	49.83	0.0037	0.6945	9070	76.8579%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	4/12/2006	69.9	49.73	0.0037	0.6941	9087	77.0019%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/9/2013	69.9	49.73	0.0037	0.6941	9087	77.0019%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	3/21/2003	69.8	49.63	0.0037	0.6937	9089	77.0189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/13/2003	69.8	49.63	0.0037	0.6937	9089	77.0189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/18/2018	69.8	49.63	0.0037	0.6937	9089	77.0189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/5/2022	69.8	49.63	0.0037	0.6937	9089	77.0189%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/2/2014	69.7	49.53	0.0037	0.6934	9093	77.0528%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	3/19/2003	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/14/2010	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	3/6/2013	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/19/2014	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/10/2016	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/1/2017	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/28/2021	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/11/2022	69.5	49.33	0.0037	0.6926	9094	77.0613%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/22/2013	69.4	49.23	0.0037	0.6922	9102	77.1291%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/27/2015	69.4	49.23	0.0037	0.6922	9102	77.1291%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	4/11/2003	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/18/2003	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/20/2009	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/24/2017	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/14/2020	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/4/2022	69.3	49.13	0.0037	0.6919	9104	77.1460%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	4/10/2003	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/13/2009	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/7/2011	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/8/2011	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/10/2011	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/11/2011	69.2	49.03	0.0037	0.6915	9110	77.1968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/20/2002	69.1	48.93	0.0037	0.6911	9116	77.2477%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/2/2020	69.1	48.93	0.0037	0.6911	9116	77.2477%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/10/1990	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/16/1990	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/7/1991	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	7/9/1991	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/13/1991	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/5/1994	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/6/1994	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/26/1995	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/10/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/2/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/20/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/22/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/16/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/27/1996	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/16/1997	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/3/1998	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/27/1998	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/30/1999	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/30/1999	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/9/2022	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/8/2022	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/14/2022	69	48.83	0.0037	0.6908	9118	77.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/14/2006	68.9	48.73	0.0037	0.6904	9140	77.4511%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/8/2010	68.9	48.73	0.0037	0.6904	9140	77.4511%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/31/2019	68.9	48.73	0.0037	0.6904	9140	77.4511%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	3/22/2006	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/20/2012	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	3/7/2013	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/3/2014	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/17/2014	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/18/2014	68.8	48.63	0.0037	0.6900	9143	77.4765%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/9/2006	68.7	48.53	0.0037	0.6897	9149	77.5273%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/2/2021	68.7	48.53	0.0037	0.6897	9149	77.5273%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/15/2021	68.7	48.53	0.0037	0.6897	9149	77.5273%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/31/2004	68.6	48.43	0.0037	0.6893	9152	77.5527%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/14/2009	68.6	48.43	0.0037	0.6893	9152	77.5527%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/5/2016	68.6	48.43	0.0037	0.6893	9152	77.5527%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/7/2011	68.5	48.33	0.0037	0.6889	9155	77.5782%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/30/2010	68.4	48.23	0.0037	0.6886	9156	77.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/5/2010	68.4	48.23	0.0037	0.6886	9156	77.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/15/2014	68.4	48.23	0.0037	0.6886	9156	77.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/16/2014	68.4	48.23	0.0037	0.6886	9156	77.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/19/2020	68.4	48.23	0.0037	0.6886	9156	77.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/11/2014	68.3	48.13	0.0037	0.6882	9161	77.6290%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/2/2014	68.3	48.13	0.0037	0.6882	9161	77.6290%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/13/2016	68.3	48.13	0.0037	0.6882	9161	77.6290%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	4/12/2003	68.2	48.03	0.0037	0.6878	9164	77.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/9/2006	68.2	48.03	0.0037	0.6878	9164	77.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/28/2012	68.2	48.03	0.0037	0.6878	9164	77.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/4/2016	68.2	48.03	0.0037	0.6878	9164	77.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/10/2022	68.2	48.03	0.0037	0.6878	9164	77.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/7/2007	68.1	47.93	0.0037	0.6874	9169	77.6968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/8/2011	68.1	47.93	0.0037	0.6874	9169	77.6968%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/14/1991	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/29/1992	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/6/1992	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/12/1993	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/25/1995	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/12/1997	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/21/1997	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/5/1999	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/6/1999	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/21/2000	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/21/2001	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/14/2004	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/7/2004	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/24/2009	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/9/2011	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/12/2014	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/13/2014	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/14/2014	68	47.83	0.0037	0.6871	9171	77.7138%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/30/2004	67.9	47.73	0.0037	0.6867	9189	77.8663%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/8/2007	67.9	47.73	0.0037	0.6867	9189	77.8663%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/20/2016	67.9	47.73	0.0037	0.6867	9189	77.8663%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/16/2009	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/7/2010	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/24/2013	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/4/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/5/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/6/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/7/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/8/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/9/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/10/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/15/2014	67.8	47.63	0.0037	0.6863	9192	77.8917%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/12/2006	67.7	47.53	0.0037	0.6860	9203	77.9849%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/9/2010	67.7	47.53	0.0037	0.6860	9203	77.9849%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/30/2021	67.6	47.43	0.0037	0.6856	9205	78.0019%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/7/2002	67.5	47.33	0.0037	0.6852	9206	78.0103%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/30/2007	67.5	47.33	0.0037	0.6852	9206	78.0103%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/15/2020	67.5	47.33	0.0037	0.6852	9206	78.0103%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/21/2016	67.4	47.23	0.0037	0.6849	9209	78.0358%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/10/2022	67.3	47.13	0.0037	0.6845	9210	78.0442%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	2/9/2022	67.3	47.13	0.0037	0.6845	9210	78.0442%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/5/2022	67.2	47.03	0.0037	0.6841	9212	78.0612%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/14/1990	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	6/24/1992	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/25/1992	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/2/1995	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/29/1995	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/30/1995	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/28/1998	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/9/1999	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/22/2001	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/26/2001	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	12/1/2007	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/21/2016	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/25/2019	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	1/8/2022	67	46.83	0.0037	0.6834	9213	78.0697%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	4/13/2006	66.9	46.73	0.0037	0.6830	9227	78.1883%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/20/2011	66.9	46.73	0.0037	0.6830	9227	78.1883%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/9/2007	66.8	46.63	0.0037	0.6827	9229	78.2052%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/24/2009	66.8	46.63	0.0037	0.6827	9229	78.2052%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/19/2009	66.8	46.63	0.0037	0.6827	9229	78.2052%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/18/2009	66.7	46.53	0.0037	0.6823	9232	78.2307%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/27/2015	66.7	46.53	0.0037	0.6823	9232	78.2307%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/3/2020	66.7	46.53	0.0037	0.6823	9232	78.2307%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/11/2011	66.6	46.43	0.0037	0.6819	9235	78.2561%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	10/5/2001	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/21/2002	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/18/2006	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	7/7/2007	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	9/17/2009	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/22/2015	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	11/8/2020	66.5	46.33	0.0037	0.6815	9236	78.2646%	Phosphorus, Total		mg/L	0.83	1.11	-	3.1	4.1
USGS	5439500	8/17/2018	66.3	46.13	0.0037	0.6808	9243	78.3239%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	10/24/2015	66.2	46.03	0.0037	0.6804	9244	78.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/11/2022	66.2	46.03	0.0037	0.6804	9244	78.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/13/2022	66.2	46.03	0.0037	0.6804	9244	78.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	6/18/2005	66.1	45.93	0.0037	0.6801	9247	78.3578%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	6/25/1992	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	9/11/1993	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	6/7/1994	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/5/1996	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	8/13/1997	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	8/7/2013	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/14/2022	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/26/2022	66	45.83	0.0037	0.6797	9248	78.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	10/12/2001	65.9	45.73	0.0037	0.6793	9256	78.4340%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	8/19/2002	65.9	45.73	0.0037	0.6793	9256	78.4340%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	9/21/2002	65.9	45.73	0.0037	0.6793	9256	78.4340%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	9/10/2011	65.9	45.73	0.0037	0.6793	9256	78.4340%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	12/16/2021	65.9	45.73	0.0037	0.6793	9256	78.4340%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/15/2004	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	8/1/2004	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	11/10/2007	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	11/12/2007	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	7/20/2011	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	11/10/2020	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/12/2022	65.8	45.63	0.0037	0.6790	9261	78.4764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.1
USGS	5439500	1/19/2011	65.7	45.53	0.0037	0.6786	9268	78.5357%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/20/2011	65.7	45.53	0.0037	0.6786	9268	78.5357%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/6/2011	65.7	45.53	0.0037	0.6786	9268	78.5357%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/3/2017	65.7	45.53	0.0037	0.6786	9268	78.5357%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/4/2020	65.7	45.53	0.0037	0.6786	9268	78.5357%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/21/2007	65.6	45.43	0.0037	0.6782	9273	78.5781%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/20/2003	65.5	45.33	0.0037	0.6779	9274	78.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/7/2003	65.5	45.33	0.0037	0.6779	9274	78.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/20/2020	65.5	45.33	0.0037	0.6779	9274	78.5866%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	4/14/2006	65.4	45.23	0.0037	0.6775	9277	78.6120%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/28/2015	65.4	45.23	0.0037	0.6775	9277	78.6120%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/16/2016	65.3	45.13	0.0037	0.6771	9279	78.6289%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/2/2017	65.3	45.13	0.0037	0.6771	9279	78.6289%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/23/2010	65.1	44.93	0.0037	0.6764	9281	78.6459%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/15/1990	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/9/1991	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/20/1991	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/29/1991	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/22/1992	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/12/1994	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/28/1995	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/20/1996	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/22/1996	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/23/1997	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/31/1999	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/7/1999	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/8/1999	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/10/1999	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/22/2000	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/2/2015	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/2/2021	65	44.83	0.0037	0.6760	9282	78.6544%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/13/2006	64.9	44.73	0.0037	0.6756	9299	78.7984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/15/2009	64.9	44.73	0.0037	0.6756	9299	78.7984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/6/2010	64.9	44.73	0.0037	0.6756	9299	78.7984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/19/2020	64.9	44.73	0.0037	0.6756	9299	78.7984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/12/2016	64.8	44.63	0.0037	0.6753	9303	78.8323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/9/2011	64.7	44.53	0.0037	0.6749	9304	78.8408%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/11/2016	64.7	44.53	0.0037	0.6749	9304	78.8408%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/14/2016	64.7	44.53	0.0037	0.6749	9304	78.8408%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/10/2016	64.6	44.43	0.0037	0.6745	9307	78.8662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/5/2004	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/8/2010	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/26/2010	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/31/2011	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/22/2013	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/3/2021	64.5	44.33	0.0037	0.6742	9308	78.8747%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/23/2003	64.4	44.23	0.0037	0.6738	9314	78.9255%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/11/2007	64.4	44.23	0.0037	0.6738	9314	78.9255%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	3/5/2013	64.4	44.23	0.0037	0.6738	9314	78.9255%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/24/2016	64.4	44.23	0.0037	0.6738	9314	78.9255%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/25/2016	64.4	44.23	0.0037	0.6738	9314	78.9255%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	3/20/2003	64.3	44.13	0.0037	0.6734	9319	78.9679%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/21/2004	64.2	44.03	0.0037	0.6731	9320	78.9764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/24/2014	64.2	44.03	0.0037	0.6731	9320	78.9764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/6/2022	64.2	44.03	0.0037	0.6731	9320	78.9764%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/11/1990	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/8/1992	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/26/1992	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/14/1994	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/7/1995	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/27/1995	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/3/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/8/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/3/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/23/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/24/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/15/1996	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/10/1998	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/4/1998	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/13/1999	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/30/2001	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/26/2021	64	43.83	0.0037	0.6723	9323	79.0018%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/2/2006	63.9	43.73	0.0037	0.6720	9340	79.1458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/10/2010	63.9	43.73	0.0037	0.6720	9340	79.1458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/29/2010	63.9	43.73	0.0037	0.6720	9340	79.1458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/6/2020	63.9	43.73	0.0037	0.6720	9340	79.1458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/7/2001	63.8	43.63	0.0037	0.6716	9344	79.1797%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/25/2009	63.8	43.63	0.0037	0.6716	9344	79.1797%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/23/2015	63.8	43.63	0.0037	0.6716	9344	79.1797%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/19/2016	63.8	43.63	0.0037	0.6716	9344	79.1797%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/11/2016	63.8	43.63	0.0037	0.6716	9344	79.1797%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/15/2007	63.7	43.53	0.0037	0.6712	9349	79.2221%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/5/2020	63.7	43.53	0.0037	0.6712	9349	79.2221%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/9/2020	63.7	43.53	0.0037	0.6712	9349	79.2221%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/19/2002	63.6	43.43	0.0037	0.6708	9352	79.2475%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/13/2007	63.6	43.43	0.0037	0.6708	9352	79.2475%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/16/2008	63.6	43.43	0.0037	0.6708	9352	79.2475%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/15/2021	63.6	43.43	0.0037	0.6708	9352	79.2475%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/12/2011	63.5	43.33	0.0037	0.6705	9356	79.2814%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/22/2015	63.5	43.33	0.0037	0.6705	9356	79.2814%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/8/2011	63.4	43.23	0.0037	0.6701	9358	79.2984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/4/2014	63.4	43.23	0.0037	0.6701	9358	79.2984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/25/2021	63.4	43.23	0.0037	0.6701	9358	79.2984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/4/2022	63.4	43.23	0.0037	0.6701	9358	79.2984%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/3/2004	63.3	43.13	0.0037	0.6697	9362	79.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/30/2011	63.3	43.13	0.0037	0.6697	9362	79.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/2/2013	63.3	43.13	0.0037	0.6697	9362	79.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/25/2022	63.3	43.13	0.0037	0.6697	9362	79.3323%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/12/2010	63.2	43.03	0.0037	0.6694	9366	79.3662%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/28/2002	63.1	42.93	0.0037	0.6690	9367	79.3746%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/12/2006	63.1	42.93	0.0037	0.6690	9367	79.3746%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/29/2015	63.1	42.93	0.0037	0.6690	9367	79.3746%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/31/2021	63.1	42.93	0.0037	0.6690	9367	79.3746%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/24/1990	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/8/1990	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/9/1996	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/3/1996	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/11/1996	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/21/1996	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/14/1999	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/23/1999	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/23/2000	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/27/2001	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/2/2001	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/14/2007	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/13/2021	63	42.83	0.0037	0.6686	9371	79.4085%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/8/2013	62.8	42.63	0.0037	0.6679	9384	79.5187%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/24/2020	62.8	42.63	0.0037	0.6679	9384	79.5187%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/11/2001	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/29/2007	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/26/2009	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/9/2014	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/15/2016	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/16/2020	62.6	42.43	0.0037	0.6672	9386	79.5356%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/1/2002	62.5	42.33	0.0037	0.6668	9392	79.5865%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/22/2016	62.5	42.33	0.0037	0.6668	9392	79.5865%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/15/2022	62.5	42.33	0.0037	0.6668	9392	79.5865%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/3/2014	62.4	42.23	0.0037	0.6664	9395	79.6119%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/10/2018	62.4	42.23	0.0037	0.6664	9395	79.6119%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/17/2007	62.3	42.13	0.0037	0.6660	9397	79.6288%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/1/2022	62.3	42.13	0.0037	0.6660	9397	79.6288%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/15/2010	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/22/2010	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/15/2011	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/25/2011	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/21/2011	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/23/2016	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/9/2021	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/7/2022	62.2	42.03	0.0037	0.6657	9399	79.6458%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/19/2011	62.1	41.93	0.0037	0.6653	9407	79.7136%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/4/2021	62.1	41.93	0.0037	0.6653	9407	79.7136%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/17/1990	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/8/1994	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/13/1994	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/27/1995	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/6/1996	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/4/1996	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/12/1996	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/13/1996	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/28/1996	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/17/1997	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/11/1998	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/11/1999	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/12/1999	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/24/1999	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/25/1999	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	12/21/1999	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/4/2001	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/16/2004	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/18/2004	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/9/2010	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/17/2010	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/16/2014	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/6/2020	62	41.83	0.0037	0.6649	9409	79.7305%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/23/2003	61.8	41.63	0.0037	0.6642	9432	79.9254%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/10/2006	61.8	41.63	0.0037	0.6642	9432	79.9254%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/4/2017	61.8	41.63	0.0037	0.6642	9432	79.9254%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/5/2021	61.8	41.63	0.0037	0.6642	9432	79.9254%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/14/2003	61.7	41.53	0.0037	0.6638	9436	79.9593%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/13/2010	61.7	41.53	0.0037	0.6638	9436	79.9593%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/30/2018	61.7	41.53	0.0037	0.6638	9436	79.9593%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/21/2020	61.7	41.53	0.0037	0.6638	9436	79.9593%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	1/24/2022	61.7	41.53	0.0037	0.6638	9436	79.9593%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/14/2021	61.6	41.43	0.0037	0.6635	9441	80.0017%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/24/2003	61.5	41.33	0.0037	0.6631	9442	80.0102%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/27/2004	61.5	41.33	0.0037	0.6631	9442	80.0102%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/21/2010	61.5	41.33	0.0037	0.6631	9442	80.0102%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	8/23/2015	61.5	41.33	0.0037	0.6631	9442	80.0102%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/5/2002	61.4	41.23	0.0037	0.6627	9446	80.0441%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/24/2016	61.4	41.23	0.0037	0.6627	9446	80.0441%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/23/2020	61.4	41.23	0.0037	0.6627	9446	80.0441%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	6/19/2005	61.3	41.13	0.0037	0.6624	9449	80.0695%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/11/2010	61.3	41.13	0.0037	0.6624	9449	80.0695%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	11/14/2010	61.3	41.13	0.0037	0.6624	9449	80.0695%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	7/8/2003	61.2	41.03	0.0037	0.6620	9452	80.0949%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	9/9/2014	61.2	41.03	0.0037	0.6620	9452	80.0949%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	2/27/2021	61.2	41.03	0.0037	0.6620	9452	80.0949%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	4.0
USGS	5439500	10/27/1991	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	10/1/1992	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	7/25/1994	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/29/1994	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	9/29/1994	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/28/1995	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	10/14/1996	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	7/29/1998	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	10/10/1998	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	7/27/2002	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	1/16/2011	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	1/21/2011	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	2/1/2011	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	9/30/2015	61	40.83	0.0037	0.6612	9455	80.1203%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/16/2009	60.9	40.73	0.0037	0.6609	9469	80.2390%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	7/21/2011	60.9	40.73	0.0037	0.6609	9469	80.2390%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/23/2013	60.9	40.73	0.0037	0.6609	9469	80.2390%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/8/2016	60.9	40.73	0.0037	0.6609	9469	80.2390%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/17/2020	60.9	40.73	0.0037	0.6609	9469	80.2390%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	8/2/2004	60.8	40.63	0.0037	0.6605	9474	80.2813%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	3/23/2006	60.8	40.63	0.0037	0.6605	9474	80.2813%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/22/2020	60.7	40.53	0.0037	0.6601	9476	80.2983%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	6/26/2003	60.6	40.43	0.0037	0.6598	9477	80.3068%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/16/2007	60.6	40.43	0.0037	0.6598	9477	80.3068%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/20/2007	60.6	40.43	0.0037	0.6598	9477	80.3068%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/16/2010	60.6	40.43	0.0037	0.6598	9477	80.3068%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	1/14/2013	60.6	40.43	0.0037	0.6598	9477	80.3068%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	9/13/2011	60.5	40.33	0.0037	0.6594	9482	80.3491%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	9/1/2018	60.5	40.33	0.0037	0.6594	9482	80.3491%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	11/7/2020	60.5	40.33	0.0037	0.6594	9482	80.3491%	Phosphorus, Total		mg/L	0.83	1.11	-	3.0	3.9
USGS	5439500	7/11/2006	60.4	40.23	0.0037	0.6590	9485	80.3745%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/28/2010	60.4	40.23	0.0037	0.6590	9485	80.3745%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/26/2002	60.2	40.03	0.0037	0.6583	9487	80.3915%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/27/2009	60.2	40.03	0.0037	0.6583	9487	80.3915%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/25/2014	60.2	40.03	0.0037	0.6583	9487	80.3915%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	4/13/2003	60.1	39.93	0.0037	0.6579	9490	80.4169%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/6/2004	60.1	39.93	0.0037	0.6579	9490	80.4169%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/25/2009	60.1	39.93	0.0037	0.6579	9490	80.4169%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/21/2015	60.1	39.93	0.0037	0.6579	9490	80.4169%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/5/2017	60.1	39.93	0.0037	0.6579	9490	80.4169%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/16/1990	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/13/1992	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/31/1994	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/8/1995	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/29/1995	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/26/1995	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/5/1996	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/25/1996	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/5/1996	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/20/1997	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/30/1998	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/24/2000	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/21/2002	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	3/14/2003	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/17/2004	60	39.83	0.0037	0.6576	9495	80.4593%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	4/15/2006	59.9	39.73	0.0037	0.6572	9510	80.5864%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/21/2020	59.9	39.73	0.0037	0.6572	9510	80.5864%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/6/2021	59.9	39.73	0.0037	0.6572	9510	80.5864%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/20/2002	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/14/2011	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/18/2011	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/29/2011	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/5/2011	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/2/2015	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/7/2021	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/10/2021	59.8	39.63	0.0037	0.6568	9513	80.6118%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/17/2014	59.7	39.53	0.0037	0.6565	9521	80.6796%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/22/2020	59.6	39.43	0.0037	0.6561	9522	80.6881%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/20/2020	59.6	39.43	0.0037	0.6561	9522	80.6881%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/17/2021	59.6	39.43	0.0037	0.6561	9522	80.6881%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	3/22/2003	59.5	39.33	0.0037	0.6557	9525	80.7135%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/18/2020	59.5	39.33	0.0037	0.6557	9525	80.7135%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/8/2014	59.4	39.23	0.0037	0.6553	9527	80.7304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/1/2001	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/24/2003	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/17/2008	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/27/2010	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/1/2015	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/23/2021	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/3/2021	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/23/2022	59.2	39.03	0.0037	0.6546	9528	80.7389%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/20/2016	59.1	38.93	0.0037	0.6542	9536	80.8067%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/24/2021	59.1	38.93	0.0037	0.6542	9536	80.8067%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/1/1994	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/13/1994	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/23/1995	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/4/1996	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/10/1996	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/1/1999	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/31/1999	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/15/1999	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/19/1999	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/20/1999	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/28/2001	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/29/2001	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/7/2001	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/9/2001	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/11/2001	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/1/2009	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/3/2013	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/3/2013	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/10/2013	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/23/2020	59	38.83	0.0037	0.6539	9538	80.8237%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/20/2010	58.9	38.73	0.0037	0.6535	9558	80.9931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/15/2012	58.9	38.73	0.0037	0.6535	9558	80.9931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/11/2021	58.9	38.73	0.0037	0.6535	9558	80.9931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	3/30/2003	58.8	38.63	0.0037	0.6531	9561	81.0186%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/3/2006	58.8	38.63	0.0037	0.6531	9561	81.0186%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	6/30/2012	58.8	38.63	0.0037	0.6531	9561	81.0186%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/15/2022	58.8	38.63	0.0037	0.6531	9561	81.0186%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/20/2020	58.7	38.53	0.0037	0.6528	9565	81.0525%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/4/2002	58.6	38.43	0.0037	0.6524	9566	81.0609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/22/2011	58.6	38.43	0.0037	0.6524	9566	81.0609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/13/2021	58.6	38.43	0.0037	0.6524	9566	81.0609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/9/2013	58.5	38.33	0.0037	0.6520	9569	81.0863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/19/2020	58.5	38.33	0.0037	0.6520	9569	81.0863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/1/2012	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/26/2014	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/8/2021	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/20/2021	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/21/2021	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/22/2021	58.4	38.23	0.0037	0.6517	9571	81.1033%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/8/2006	58.3	38.13	0.0037	0.6513	9577	81.1541%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/13/2002	58.2	38.03	0.0037	0.6509	9578	81.1626%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/24/2013	58.2	38.03	0.0037	0.6509	9578	81.1626%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/7/2018	58.2	38.03	0.0037	0.6509	9578	81.1626%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/3/2003	58.1	37.93	0.0037	0.6505	9581	81.1880%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/26/2013	58.1	37.93	0.0037	0.6505	9581	81.1880%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/27/2014	58.1	37.93	0.0037	0.6505	9581	81.1880%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/6/2017	58.1	37.93	0.0037	0.6505	9581	81.1880%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/14/2021	58.1	37.93	0.0037	0.6505	9581	81.1880%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/24/1991	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	6/26/1992	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/7/1992	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/7/1996	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/4/1996	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/8/1996	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/31/1998	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/16/1999	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/18/1999	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/4/1999	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/17/2004	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/16/2004	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/18/2010	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/28/2013	58	37.83	0.0037	0.6502	9586	81.2304%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/14/2011	57.9	37.73	0.0037	0.6498	9600	81.3490%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	2/19/2021	57.9	37.73	0.0037	0.6498	9600	81.3490%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	6/28/2003	57.8	37.63	0.0037	0.6494	9602	81.3660%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/17/2011	57.8	37.63	0.0037	0.6494	9602	81.3660%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/1/2004	57.7	37.53	0.0037	0.6491	9604	81.3829%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/22/2002	57.6	37.43	0.0037	0.6487	9605	81.3914%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/15/2021	57.6	37.43	0.0037	0.6487	9605	81.3914%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/29/2002	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/7/2003	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/26/2004	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/13/2006	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/18/2007	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/28/2011	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/31/2013	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/1/2014	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/24/2020	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	2/12/2021	57.5	37.33	0.0037	0.6483	9607	81.4084%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	6/20/2005	57.3	37.13	0.0037	0.6476	9617	81.4931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/15/2006	57.3	37.13	0.0037	0.6476	9617	81.4931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/18/2011	57.3	37.13	0.0037	0.6476	9617	81.4931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/7/2021	57.3	37.13	0.0037	0.6476	9617	81.4931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/18/2021	57.3	37.13	0.0037	0.6476	9617	81.4931%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/5/2006	57.2	37.03	0.0037	0.6472	9622	81.5355%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/23/2011	57.2	37.03	0.0037	0.6472	9622	81.5355%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/18/2014	57.2	37.03	0.0037	0.6472	9622	81.5355%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/19/2007	57.1	36.93	0.0037	0.6469	9625	81.5609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	1/7/2014	57.1	36.93	0.0037	0.6469	9625	81.5609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/7/2015	57.1	36.93	0.0037	0.6469	9625	81.5609%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/17/1990	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/18/1990	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/10/1991	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/15/1991	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/28/1991	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/2/1992	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/9/1992	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/2/1992	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/3/1992	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	6/9/1994	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/30/1994	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/19/1994	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/21/1995	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/22/1995	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/3/1995	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/6/1996	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/7/1996	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	7/24/1997	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/28/1997	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/17/1998	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/17/1999	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/21/1999	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/22/1999	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/27/1999	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	8/25/2000	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/24/2006	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/3/2015	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/7/2017	57	36.83	0.0037	0.6465	9628	81.5863%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/7/2006	56.9	36.73	0.0037	0.6461	9656	81.8236%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	12/23/2013	56.9	36.73	0.0037	0.6461	9656	81.8236%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/3/2015	56.9	36.73	0.0037	0.6461	9656	81.8236%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/9/2017	56.9	36.73	0.0037	0.6461	9656	81.8236%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	9/29/2020	56.9	36.73	0.0037	0.6461	9656	81.8236%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	3/29/2003	56.8	36.63	0.0037	0.6457	9661	81.8659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/25/2003	56.8	36.63	0.0037	0.6457	9661	81.8659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	11/19/2010	56.8	36.63	0.0037	0.6457	9661	81.8659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	3/24/2006	56.7	36.53	0.0037	0.6454	9664	81.8914%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.9
USGS	5439500	10/25/2004	56.6	36.43	0.0037	0.6450	9665	81.8998%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/26/2013	56.6	36.43	0.0037	0.6450	9665	81.8998%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/4/2013	56.5	36.33	0.0037	0.6446	9667	81.9168%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/13/2021	56.5	36.33	0.0037	0.6446	9667	81.9168%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/16/2021	56.5	36.33	0.0037	0.6446	9667	81.9168%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/3/2013	56.4	36.23	0.0037	0.6443	9670	81.9422%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/29/2013	56.3	36.13	0.0037	0.6439	9671	81.9507%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/8/2017	56.3	36.13	0.0037	0.6439	9671	81.9507%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/18/2021	56.2	36.03	0.0037	0.6435	9673	81.9676%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/25/2003	56.1	35.93	0.0037	0.6432	9674	81.9761%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/8/2008	56.1	35.93	0.0037	0.6432	9674	81.9761%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/5/2013	56.1	35.93	0.0037	0.6432	9674	81.9761%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/30/2013	56.1	35.93	0.0037	0.6432	9674	81.9761%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/4/2021	56.1	35.93	0.0037	0.6432	9674	81.9761%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/19/1990	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/25/1990	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/27/1992	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/5/1992	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/30/1994	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/9/1995	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/10/1995	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/30/1995	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/10/1995	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/31/1998	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/26/1999	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/30/2001	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/1/2001	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/14/2004	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/15/2004	56	35.83	0.0037	0.6428	9679	82.0185%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/2/2001	55.9	35.73	0.0037	0.6424	9694	82.1456%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/10/2001	55.9	35.73	0.0037	0.6424	9694	82.1456%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/17/2021	55.8	35.63	0.0037	0.6421	9696	82.1625%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/20/2004	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/22/2004	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/17/2013	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/4/2015	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/12/2016	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/27/2021	55.7	35.53	0.0037	0.6417	9697	82.1710%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	4/14/2003	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/31/2004	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	11/19/2007	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/28/2009	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/3/2012	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/8/2021	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/18/2022	55.6	35.43	0.0037	0.6413	9703	82.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/27/2004	55.5	35.33	0.0037	0.6410	9710	82.2812%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/31/2004	55.5	35.33	0.0037	0.6410	9710	82.2812%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/11/2008	55.5	35.33	0.0037	0.6410	9710	82.2812%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/3/2002	55.3	35.13	0.0037	0.6402	9713	82.3066%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/14/2006	55.3	35.13	0.0037	0.6402	9713	82.3066%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/9/2017	55.3	35.13	0.0037	0.6402	9713	82.3066%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/30/2009	55.2	35.03	0.0037	0.6398	9716	82.3320%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/2/2014	55.2	35.03	0.0037	0.6398	9716	82.3320%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/6/2014	55.2	35.03	0.0037	0.6398	9716	82.3320%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/9/2018	55.2	35.03	0.0037	0.6398	9716	82.3320%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/8/2001	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/7/2002	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/17/2011	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	2/4/2011	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/13/2015	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/5/2015	55.1	34.93	0.0037	0.6395	9720	82.3659%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/20/1990	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/7/1990	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/10/1991	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/17/1992	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/10/1994	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/9/1996	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/1/1997	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/4/1998	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/3/1999	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/26/2000	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/28/2000	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/31/2001	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/6/2002	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/16/2011	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/17/2022	55	34.83	0.0037	0.6391	9726	82.4167%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/22/2002	54.9	34.73	0.0037	0.6387	9741	82.5439%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/3/2014	54.9	34.73	0.0037	0.6387	9741	82.5439%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/19/2014	54.9	34.73	0.0037	0.6387	9741	82.5439%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/17/2015	54.9	34.73	0.0037	0.6387	9741	82.5439%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	8/28/2020	54.9	34.73	0.0037	0.6387	9741	82.5439%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/23/2002	54.8	34.63	0.0037	0.6384	9746	82.5862%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/6/2015	54.8	34.63	0.0037	0.6384	9746	82.5862%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/30/2003	54.7	34.53	0.0037	0.6380	9748	82.6032%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	4/15/2003	54.6	34.43	0.0037	0.6376	9749	82.6116%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	7/5/2005	54.6	34.43	0.0037	0.6376	9749	82.6116%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/27/2013	54.6	34.43	0.0037	0.6376	9749	82.6116%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/29/2012	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	12/28/2013	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/4/2014	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/5/2014	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/16/2015	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/20/2015	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	1/3/2022	54.5	34.33	0.0037	0.6373	9752	82.6371%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	3/26/2003	54.4	34.23	0.0037	0.6369	9759	82.6964%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	6/29/2003	54.4	34.23	0.0037	0.6369	9759	82.6964%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	9/28/2014	54.4	34.23	0.0037	0.6369	9759	82.6964%	Phosphorus, Total		mg/L	0.83	1.11	-	2.9	3.8
USGS	5439500	10/15/2015	54.3	34.13	0.0037	0.6365	9762	82.7218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/8/2007	54.2	34.03	0.0037	0.6362	9763	82.7303%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/15/2011	54.2	34.03	0.0037	0.6362	9763	82.7303%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/21/2020	54.2	34.03	0.0037	0.6362	9763	82.7303%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/22/2022	54.2	34.03	0.0037	0.6362	9763	82.7303%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/20/2012	54.1	33.93	0.0037	0.6358	9767	82.7642%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/10/2013	54.1	33.93	0.0037	0.6358	9767	82.7642%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/2/2020	54.1	33.93	0.0037	0.6358	9767	82.7642%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	12/19/2021	54.1	33.93	0.0037	0.6358	9767	82.7642%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/16/2022	54.1	33.93	0.0037	0.6358	9767	82.7642%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/6/1990	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/14/1994	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/18/1994	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/11/1995	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/12/1995	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/11/1995	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/25/1997	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/12/1998	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/2/1999	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/28/1999	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/27/2000	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/27/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/28/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/29/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/30/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/31/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	2/11/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	2/12/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	2/13/2004	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/26/2011	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/31/2018	54	33.83	0.0037	0.6354	9772	82.8065%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/24/2015	53.9	33.73	0.0037	0.6350	9793	82.9845%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/9/2001	53.8	33.63	0.0037	0.6347	9794	82.9930%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/25/2006	53.8	33.63	0.0037	0.6347	9794	82.9930%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/23/2008	53.8	33.63	0.0037	0.6347	9794	82.9930%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/6/2013	53.7	33.53	0.0037	0.6343	9797	83.0184%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	12/21/2013	53.7	33.53	0.0037	0.6343	9797	83.0184%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/26/2004	53.6	33.43	0.0037	0.6339	9799	83.0353%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/23/2006	53.6	33.43	0.0037	0.6339	9799	83.0353%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/29/2006	53.6	33.43	0.0037	0.6339	9799	83.0353%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/14/2013	53.6	33.43	0.0037	0.6339	9799	83.0353%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/11/2013	53.6	33.43	0.0037	0.6339	9799	83.0353%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	4/16/2003	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/9/2012	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/29/2014	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/18/2015	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/4/2021	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/2/2022	53.5	33.33	0.0037	0.6336	9804	83.0777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	4/21/2003	53.3	33.13	0.0037	0.6328	9810	83.1285%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/20/2006	53.3	33.13	0.0037	0.6328	9810	83.1285%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/24/2011	53.3	33.13	0.0037	0.6328	9810	83.1285%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/3/2020	53.3	33.13	0.0037	0.6328	9810	83.1285%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/30/2002	53.2	33.03	0.0037	0.6325	9814	83.1624%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/7/2002	53.2	33.03	0.0037	0.6325	9814	83.1624%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/25/2011	53.2	33.03	0.0037	0.6325	9814	83.1624%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/10/2017	53.2	33.03	0.0037	0.6325	9814	83.1624%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/15/2006	53.1	32.93	0.0037	0.6321	9818	83.1963%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/17/2006	53.1	32.93	0.0037	0.6321	9818	83.1963%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/22/2011	53.1	32.93	0.0037	0.6321	9818	83.1963%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/10/1991	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	6/11/1994	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/31/1994	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/7/1995	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/2/1995	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/26/1997	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/1/1998	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/11/1998	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/1/1999	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/30/1999	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	12/2/1999	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/29/2000	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/24/2004	53	32.83	0.0037	0.6317	9821	83.2218%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/15/2013	52.9	32.73	0.0037	0.6314	9834	83.3319%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/20/2014	52.9	32.73	0.0037	0.6314	9834	83.3319%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	12/20/2021	52.9	32.73	0.0037	0.6314	9834	83.3319%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/20/2002	52.8	32.63	0.0037	0.6310	9837	83.3573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/15/2003	52.8	32.63	0.0037	0.6310	9837	83.3573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/23/2011	52.8	32.63	0.0037	0.6310	9837	83.3573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/24/2011	52.8	32.63	0.0037	0.6310	9837	83.3573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/26/2020	52.8	32.63	0.0037	0.6310	9837	83.3573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	4/4/2003	52.7	32.53	0.0037	0.6306	9842	83.3997%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/2/2014	52.7	32.53	0.0037	0.6306	9842	83.3997%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/1/2018	52.7	32.53	0.0037	0.6306	9842	83.3997%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/25/2020	52.7	32.53	0.0037	0.6306	9842	83.3997%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	3/25/2003	52.6	32.43	0.0037	0.6303	9846	83.4336%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/29/2009	52.6	32.43	0.0037	0.6303	9846	83.4336%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/30/2020	52.6	32.43	0.0037	0.6303	9846	83.4336%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/30/2014	52.5	32.33	0.0037	0.6299	9849	83.4590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/8/2017	52.5	32.33	0.0037	0.6299	9849	83.4590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	3/27/2003	52.4	32.23	0.0037	0.6295	9851	83.4760%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	3/31/2003	52.4	32.23	0.0037	0.6295	9851	83.4760%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/7/2004	52.4	32.23	0.0037	0.6295	9851	83.4760%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/8/2015	52.4	32.23	0.0037	0.6295	9851	83.4760%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	6/21/2005	52.3	32.13	0.0037	0.6291	9855	83.5099%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/18/2008	52.3	32.13	0.0037	0.6291	9855	83.5099%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	1/11/2013	52.3	32.13	0.0037	0.6291	9855	83.5099%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	8/27/2020	52.3	32.13	0.0037	0.6291	9855	83.5099%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	9/1/2020	52.3	32.13	0.0037	0.6291	9855	83.5099%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/24/2003	52.2	32.03	0.0037	0.6288	9860	83.5522%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	11/13/2021	52.2	32.03	0.0037	0.6288	9860	83.5522%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	10/9/2015	52.1	31.93	0.0037	0.6284	9862	83.5692%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.8
USGS	5439500	7/11/1991	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/5/1991	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/4/1994	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/29/1999	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/30/2000	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/31/2000	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/3/2001	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/18/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/26/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/1/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/6/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/7/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/8/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/9/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/10/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/23/2004	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/1/2014	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/4/2015	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/4/2020	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/28/2021	52	31.83	0.0037	0.6280	9863	83.5777%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	3/23/2003	51.9	31.73	0.0037	0.6277	9883	83.7471%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	4/17/2003	51.8	31.63	0.0037	0.6273	9884	83.7556%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/9/2007	51.8	31.63	0.0037	0.6273	9884	83.7556%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/12/2015	51.8	31.63	0.0037	0.6273	9884	83.7556%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/4/2001	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	4/1/2003	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/11/2013	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/10/2015	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/14/2015	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/19/2015	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/13/2017	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/5/2021	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/24/2021	51.7	31.53	0.0037	0.6269	9887	83.7810%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/24/2013	51.6	31.43	0.0037	0.6266	9896	83.8573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/11/2015	51.6	31.43	0.0037	0.6266	9896	83.8573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/10/2017	51.6	31.43	0.0037	0.6266	9896	83.8573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/29/2020	51.6	31.43	0.0037	0.6266	9896	83.8573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/31/2020	51.6	31.43	0.0037	0.6266	9896	83.8573%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/11/2017	51.5	31.33	0.0037	0.6262	9901	83.8997%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/16/2006	51.3	31.13	0.0037	0.6255	9902	83.9081%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/18/2012	51.2	31.03	0.0037	0.6251	9903	83.9166%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/24/2002	51.1	30.93	0.0037	0.6247	9904	83.9251%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/8/2003	51.1	30.93	0.0037	0.6247	9904	83.9251%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/2/2018	51.1	30.93	0.0037	0.6247	9904	83.9251%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/22/2021	51.1	30.93	0.0037	0.6247	9904	83.9251%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/26/1990	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/3/1990	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/4/1992	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	6/12/1994	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/1/1994	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/15/1994	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/31/1995	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/1/1999	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/1/2000	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/13/2015	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/12/2017	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/15/2017	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/21/2021	51	30.83	0.0037	0.6243	9908	83.9590%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/21/2002	50.9	30.73	0.0037	0.6240	9921	84.0691%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	3/28/2003	50.9	30.73	0.0037	0.6240	9921	84.0691%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/19/2006	50.9	30.73	0.0037	0.6240	9921	84.0691%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/9/2006	50.9	30.73	0.0037	0.6240	9921	84.0691%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/30/2020	50.9	30.73	0.0037	0.6240	9921	84.0691%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/6/2003	50.8	30.63	0.0037	0.6236	9926	84.1115%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/25/2004	50.8	30.63	0.0037	0.6236	9926	84.1115%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/3/2018	50.8	30.63	0.0037	0.6236	9926	84.1115%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/8/2002	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/19/2002	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/17/2004	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	3/9/2006	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/29/2017	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/19/2022	50.7	30.53	0.0037	0.6232	9929	84.1369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/31/2002	50.6	30.43	0.0037	0.6229	9935	84.1878%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	3/25/2006	50.5	30.33	0.0037	0.6225	9936	84.1963%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/22/2020	50.5	30.33	0.0037	0.6225	9936	84.1963%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/19/2004	50.4	30.23	0.0037	0.6221	9938	84.2132%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/27/2011	50.4	30.23	0.0037	0.6221	9938	84.2132%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	4/20/2003	50.3	30.13	0.0037	0.6218	9940	84.2301%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/2/2011	50.3	30.13	0.0037	0.6218	9940	84.2301%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/12/2013	50.3	30.13	0.0037	0.6218	9940	84.2301%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/16/2013	50.3	30.13	0.0037	0.6218	9940	84.2301%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/20/2013	50.3	30.13	0.0037	0.6218	9940	84.2301%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/25/2013	50.2	30.03	0.0037	0.6214	9945	84.2725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/25/2013	50.2	30.03	0.0037	0.6214	9945	84.2725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/25/2015	50.2	30.03	0.0037	0.6214	9945	84.2725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/14/2017	50.2	30.03	0.0037	0.6214	9945	84.2725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/5/2020	50.1	29.93	0.0037	0.6210	9949	84.3064%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/23/2021	50.1	29.93	0.0037	0.6210	9949	84.3064%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/27/1990	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	6/28/1992	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/10/1992	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/26/1994	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/3/1994	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/16/1994	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/17/1994	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/12/1995	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/27/1997	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/1/1998	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	9/14/1998	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/3/1999	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/21/1999	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/2/2000	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/3/2000	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/5/2001	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/19/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	1/25/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/2/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/3/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/4/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/5/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/8/2004	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/28/2020	50	29.83	0.0037	0.6207	9951	84.3234%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/8/2002	49.9	29.73	0.0037	0.6203	9975	84.5267%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/27/2017	49.9	29.73	0.0037	0.6203	9975	84.5267%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/6/2005	49.8	29.63	0.0037	0.6199	9977	84.5437%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/22/2005	49.8	29.63	0.0037	0.6199	9977	84.5437%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	2/3/2006	49.8	29.63	0.0037	0.6199	9977	84.5437%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/12/2013	49.8	29.63	0.0037	0.6199	9977	84.5437%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/14/2021	49.8	29.63	0.0037	0.6199	9977	84.5437%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/19/2008	49.7	29.53	0.0037	0.6195	9982	84.5861%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/23/2016	49.7	29.53	0.0037	0.6195	9982	84.5861%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/14/2013	49.6	29.43	0.0037	0.6192	9984	84.6030%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/6/2018	49.5	29.33	0.0037	0.6188	9985	84.6115%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/8/2002	49.3	29.13	0.0037	0.6181	9986	84.6199%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/13/2013	49.3	29.13	0.0037	0.6181	9986	84.6199%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/19/2016	49.2	29.03	0.0037	0.6177	9988	84.6369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/19/2017	49.2	29.03	0.0037	0.6177	9988	84.6369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/23/2020	49.2	29.03	0.0037	0.6177	9988	84.6369%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/31/2013	49.1	28.93	0.0037	0.6173	9991	84.6623%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/16/2021	49.1	28.93	0.0037	0.6173	9991	84.6623%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/28/1990	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/29/1990	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/30/1990	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/2/1994	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/1/1995	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/15/1997	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/4/2000	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/5/2002	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	4/19/2003	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/16/2012	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/13/2013	49	28.83	0.0037	0.6170	9993	84.6793%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	3/24/2003	48.9	28.73	0.0037	0.6166	10004	84.7725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/2/2012	48.9	28.73	0.0037	0.6166	10004	84.7725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/12/2020	48.9	28.73	0.0037	0.6166	10004	84.7725%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	7/25/2002	48.8	28.63	0.0037	0.6162	10007	84.7979%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	4/18/2003	48.8	28.63	0.0037	0.6162	10007	84.7979%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/26/2003	48.8	28.63	0.0037	0.6162	10007	84.7979%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	6/22/2005	48.8	28.63	0.0037	0.6162	10007	84.7979%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/23/2017	48.8	28.63	0.0037	0.6162	10007	84.7979%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/20/2005	48.6	28.43	0.0037	0.6155	10012	84.8403%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/11/2006	48.6	28.43	0.0037	0.6155	10012	84.8403%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/12/2021	48.6	28.43	0.0037	0.6155	10012	84.8403%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/23/2004	48.5	28.33	0.0037	0.6151	10015	84.8657%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	8/21/2008	48.5	28.33	0.0037	0.6151	10015	84.8657%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/17/2013	48.5	28.33	0.0037	0.6151	10015	84.8657%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/15/2020	48.5	28.33	0.0037	0.6151	10015	84.8657%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/25/2021	48.5	28.33	0.0037	0.6151	10015	84.8657%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/28/2017	48.4	28.23	0.0037	0.6148	10020	84.9081%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/25/2020	48.4	28.23	0.0037	0.6148	10020	84.9081%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/14/2020	48.4	28.23	0.0037	0.6148	10020	84.9081%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/15/2021	48.4	28.23	0.0037	0.6148	10020	84.9081%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	11/27/2003	48.3	28.13	0.0037	0.6144	10024	84.9420%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	10/14/2006	48.3	28.13	0.0037	0.6144	10024	84.9420%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	9/8/2015	48.3	28.13	0.0037	0.6144	10024	84.9420%	Phosphorus, Total		mg/L	0.83	1.11	-	2.8	3.7
USGS	5439500	12/18/2013	48.2	28.03	0.0037	0.6140	10027	84.9674%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	10/10/2020	48.2	28.03	0.0037	0.6140	10027	84.9674%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/14/2021	48.2	28.03	0.0037	0.6140	10027	84.9674%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	7/1/2003	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/11/2006	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/20/2008	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	11/30/2013	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/16/2017	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/5/2018	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/24/2020	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	10/11/2020	48.1	27.93	0.0037	0.6136	10030	84.9928%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	7/12/1991	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	7/13/1991	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	7/22/1991	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/12/1991	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/28/1992	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	11/1/1992	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/13/1995	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/13/1998	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/4/1999	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/2/1999	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	1/20/2004	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	1/21/2004	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	1/22/2004	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	1/23/2004	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	1/24/2004	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	11/4/2013	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/26/2015	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/25/2017	48	27.83	0.0037	0.6133	10038	85.0606%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	8/9/2003	47.9	27.73	0.0037	0.6129	10056	85.2131%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	10/10/2006	47.9	27.73	0.0037	0.6129	10056	85.2131%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/14/2015	47.9	27.73	0.0037	0.6129	10056	85.2131%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	10/5/2020	47.9	27.73	0.0037	0.6129	10056	85.2131%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	10/1/2020	47.8	27.63	0.0037	0.6125	10060	85.2470%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/14/2006	47.7	27.53	0.0037	0.6122	10061	85.2555%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	11/25/2013	47.7	27.53	0.0037	0.6122	10061	85.2555%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	12/4/2013	47.7	27.53	0.0037	0.6122	10061	85.2555%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	12/13/2013	47.7	27.53	0.0037	0.6122	10061	85.2555%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	2/3/2011	47.6	27.43	0.0037	0.6118	10065	85.2894%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/5/2015	47.6	27.43	0.0037	0.6118	10065	85.2894%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	9/24/2017	47.6	27.43	0.0037	0.6118	10065	85.2894%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.7
USGS	5439500	11/16/2006	47.4	27.23	0.0037	0.6111	10068	85.3148%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/15/2013	47.4	27.23	0.0037	0.6111	10068	85.3148%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/27/2015	47.4	27.23	0.0037	0.6111	10068	85.3148%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/11/2018	47.4	27.23	0.0037	0.6111	10068	85.3148%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/30/2017	47.3	27.13	0.0037	0.6107	10072	85.3487%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/6/2017	47.3	27.13	0.0037	0.6107	10072	85.3487%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/7/2017	47.3	27.13	0.0037	0.6107	10072	85.3487%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/21/2020	47.3	27.13	0.0037	0.6107	10072	85.3487%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/4/2012	47.2	27.03	0.0037	0.6103	10076	85.3826%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/16/2013	47.2	27.03	0.0037	0.6103	10076	85.3826%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/19/2013	47.1	26.93	0.0037	0.6100	10078	85.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/2/2020	47.1	26.93	0.0037	0.6100	10078	85.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/6/2021	47.1	26.93	0.0037	0.6100	10078	85.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/1/1990	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/23/1991	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/6/1992	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/9/1992	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/5/1994	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/3/1994	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/8/1994	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/20/1994	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/11/1995	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/13/1995	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/14/1995	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/28/1997	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/8/1997	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/12/1998	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/13/1998	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/14/1999	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/5/2000	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/17/2001	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/27/2013	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/4/2018	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/4/2020	47	26.83	0.0037	0.6096	10081	85.4250%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/1/2002	46.9	26.73	0.0037	0.6092	10102	85.6029%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/12/2008	46.9	26.73	0.0037	0.6092	10102	85.6029%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/27/2017	46.9	26.73	0.0037	0.6092	10102	85.6029%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/2/2002	46.8	26.63	0.0037	0.6088	10105	85.6283%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/13/2005	46.8	26.63	0.0037	0.6088	10105	85.6283%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/4/2013	46.8	26.63	0.0037	0.6088	10105	85.6283%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/26/2021	46.8	26.63	0.0037	0.6088	10105	85.6283%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/22/2003	46.7	26.53	0.0037	0.6085	10109	85.6622%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/1/2006	46.7	26.53	0.0037	0.6085	10109	85.6622%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/3/2013	46.7	26.53	0.0037	0.6085	10109	85.6622%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/9/2020	46.7	26.53	0.0037	0.6085	10109	85.6622%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/16/2020	46.7	26.53	0.0037	0.6085	10109	85.6622%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/11/2002	46.6	26.43	0.0037	0.6081	10114	85.7046%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/5/2013	46.6	26.43	0.0037	0.6081	10114	85.7046%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/13/2020	46.6	26.43	0.0037	0.6081	10114	85.7046%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/10/2002	46.4	26.23	0.0037	0.6074	10117	85.7300%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/26/2020	46.4	26.23	0.0037	0.6074	10117	85.7300%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/12/2013	46.3	26.13	0.0037	0.6070	10119	85.7470%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/30/2003	46.2	26.03	0.0037	0.6066	10120	85.7554%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/7/2003	46.2	26.03	0.0037	0.6066	10120	85.7554%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/8/2004	46.2	26.03	0.0037	0.6066	10120	85.7554%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/24/2012	46.2	26.03	0.0037	0.6066	10120	85.7554%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	3/29/2006	46.1	25.93	0.0037	0.6063	10124	85.7893%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	6/29/1992	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/7/1992	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/27/1994	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/4/1994	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/5/1994	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/23/1994	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/2/1995	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/14/1997	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/21/1997	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/2/1998	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/15/1998	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/16/1998	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/5/1999	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/8/1999	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/26/2001	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/7/2003	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/28/2015	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/9/2016	46	25.83	0.0037	0.6059	10125	85.7978%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/10/2021	45.9	25.73	0.0037	0.6055	10143	85.9503%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/6/2015	45.8	25.63	0.0037	0.6052	10144	85.9588%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/18/2020	45.8	25.63	0.0037	0.6052	10144	85.9588%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/27/2002	45.7	25.53	0.0037	0.6048	10146	85.9758%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/14/2013	45.7	25.53	0.0037	0.6048	10146	85.9758%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/17/2020	45.7	25.53	0.0037	0.6048	10146	85.9758%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/27/2020	45.6	25.43	0.0037	0.6044	10149	86.0012%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/6/2020	45.6	25.43	0.0037	0.6044	10149	86.0012%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/20/2020	45.6	25.43	0.0037	0.6044	10149	86.0012%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/15/2013	45.5	25.33	0.0037	0.6040	10152	86.0266%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/1/2013	45.5	25.33	0.0037	0.6040	10152	86.0266%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	1/20/2022	45.5	25.33	0.0037	0.6040	10152	86.0266%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	3/26/2006	45.4	25.23	0.0037	0.6037	10155	86.0520%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/20/2017	45.4	25.23	0.0037	0.6037	10155	86.0520%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/28/2017	45.4	25.23	0.0037	0.6037	10155	86.0520%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/3/2020	45.4	25.23	0.0037	0.6037	10155	86.0520%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/24/2002	45.3	25.13	0.0037	0.6033	10159	86.0859%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	6/23/2005	45.3	25.13	0.0037	0.6033	10159	86.0859%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/13/2016	45.3	25.13	0.0037	0.6033	10159	86.0859%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/3/2003	45.2	25.03	0.0037	0.6029	10162	86.1113%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/1/2017	45.2	25.03	0.0037	0.6029	10162	86.1113%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/7/2021	45.2	25.03	0.0037	0.6029	10162	86.1113%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/26/2002	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/2/2003	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	1/16/2013	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/29/2013	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/2/2013	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/20/2021	45.1	24.93	0.0037	0.6026	10165	86.1368%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/14/1991	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	6/30/1992	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/5/1992	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/16/1992	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/28/1994	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/6/1994	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/7/1994	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/2/1994	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/21/1994	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/12/1995	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/6/1997	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/2/1998	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/14/1998	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/18/1998	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/6/1999	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/7/1999	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/13/1999	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/3/1999	45	24.83	0.0037	0.6022	10171	86.1876%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/9/2002	44.9	24.73	0.0037	0.6018	10189	86.3401%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/10/2004	44.9	24.73	0.0037	0.6018	10189	86.3401%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/19/2020	44.9	24.73	0.0037	0.6018	10189	86.3401%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/1/2004	44.8	24.63	0.0037	0.6015	10192	86.3656%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/9/2004	44.8	24.63	0.0037	0.6015	10192	86.3656%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/19/2021	44.8	24.63	0.0037	0.6015	10192	86.3656%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	1/21/2022	44.8	24.63	0.0037	0.6015	10192	86.3656%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/2/2003	44.7	24.53	0.0037	0.6011	10196	86.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/4/2017	44.7	24.53	0.0037	0.6011	10196	86.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/5/2017	44.7	24.53	0.0037	0.6011	10196	86.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/8/2020	44.7	24.53	0.0037	0.6011	10196	86.3995%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/8/2021	44.6	24.43	0.0037	0.6007	10200	86.4334%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/16/2021	44.6	24.43	0.0037	0.6007	10200	86.4334%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/5/2013	44.5	24.33	0.0037	0.6004	10202	86.4503%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/2/2017	44.5	24.33	0.0037	0.6004	10202	86.4503%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/7/2020	44.5	24.33	0.0037	0.6004	10202	86.4503%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/26/2004	44.4	24.23	0.0037	0.6000	10205	86.4757%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/22/2008	44.4	24.23	0.0037	0.6000	10205	86.4757%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/26/2017	44.4	24.23	0.0037	0.6000	10205	86.4757%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/22/2017	44.3	24.13	0.0037	0.5996	10208	86.5011%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/3/2017	44.3	24.13	0.0037	0.5996	10208	86.5011%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/17/2017	44.2	24.03	0.0037	0.5993	10210	86.5181%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/10/2021	44.2	24.03	0.0037	0.5993	10210	86.5181%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/9/2021	44.2	24.03	0.0037	0.5993	10210	86.5181%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/23/2002	44.1	23.93	0.0037	0.5989	10213	86.5435%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/23/2012	44.1	23.93	0.0037	0.5989	10213	86.5435%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/2/1990	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/8/1992	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/11/1992	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/9/1992	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/18/1992	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/22/1994	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/25/1994	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/14/1995	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/3/1995	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/4/1995	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/19/1997	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/3/1998	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/15/1998	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/2/1998	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/9/1999	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/6/2000	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/20/2001	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/9/2002	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/17/2013	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/9/2021	44	23.83	0.0037	0.5985	10215	86.5605%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/11/2021	43.9	23.73	0.0037	0.5981	10235	86.7299%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/17/2021	43.9	23.73	0.0037	0.5981	10235	86.7299%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	4/23/2003	43.8	23.63	0.0037	0.5978	10237	86.7469%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/5/2003	43.8	23.63	0.0037	0.5978	10237	86.7469%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	6/24/2005	43.8	23.63	0.0037	0.5978	10237	86.7469%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/18/2017	43.7	23.53	0.0037	0.5974	10240	86.7723%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/11/2004	43.6	23.43	0.0037	0.5970	10241	86.7808%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/5/2013	43.6	23.43	0.0037	0.5970	10241	86.7808%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/18/2003	43.5	23.33	0.0037	0.5967	10243	86.7977%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	12/9/2003	43.5	23.33	0.0037	0.5967	10243	86.7977%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/18/2021	43.5	23.33	0.0037	0.5967	10243	86.7977%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	11/21/2021	43.5	23.33	0.0037	0.5967	10243	86.7977%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/26/2013	43.4	23.23	0.0037	0.5963	10247	86.8316%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/15/2006	43.3	23.13	0.0037	0.5959	10248	86.8401%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	8/13/2004	43.2	23.03	0.0037	0.5956	10249	86.8486%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	9/7/2015	43.2	23.03	0.0037	0.5956	10249	86.8486%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/25/2003	43.1	22.93	0.0037	0.5952	10251	86.8655%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	7/27/2006	43.1	22.93	0.0037	0.5952	10251	86.8655%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	1/29/2021	43.1	22.93	0.0037	0.5952	10251	86.8655%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.6
USGS	5439500	10/11/1991	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/25/1991	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/13/1992	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/6/1992	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/8/1994	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/20/1995	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/24/1995	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/1/1995	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	12/2/1997	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/19/1998	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/1/1998	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/14/1998	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/10/1999	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/12/1999	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/4/1999	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/23/2001	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	7/24/2006	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/15/2013	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/15/2015	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/21/2017	43	22.83	0.0037	0.5948	10254	86.8909%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/11/2004	42.9	22.73	0.0037	0.5945	10274	87.0604%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	7/17/2006	42.9	22.73	0.0037	0.5945	10274	87.0604%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	11/22/2021	42.9	22.73	0.0037	0.5945	10274	87.0604%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/12/2002	42.8	22.63	0.0037	0.5941	10277	87.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	3/31/2006	42.8	22.63	0.0037	0.5941	10277	87.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	9/16/2013	42.8	22.63	0.0037	0.5941	10277	87.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/24/2008	42.7	22.53	0.0037	0.5937	10280	87.1113%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	12/8/2013	42.7	22.53	0.0037	0.5937	10280	87.1113%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	2/5/2021	42.6	22.43	0.0037	0.5933	10282	87.1282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	11/28/2003	42.5	22.33	0.0037	0.5930	10283	87.1367%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	8/25/2004	42.5	22.33	0.0037	0.5930	10283	87.1367%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	11/29/2021	42.5	22.33	0.0037	0.5930	10283	87.1367%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	10/9/2002	42.4	22.23	0.0037	0.5926	10286	87.1621%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	7/21/2012	42.4	22.23	0.0037	0.5926	10286	87.1621%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	7/5/2012	42.3	22.13	0.0037	0.5922	10288	87.1791%	Phosphorus, Total		mg/L	0.83	1.11	-	2.7	3.5
USGS	5439500	2/4/2021	42.2	22.03	0.0037	0.5919	10289	87.1875%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/25/2021	42.2	22.03	0.0037	0.5919	10289	87.1875%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/10/2002	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/8/2003	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/28/2006	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/16/2006	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/10/2021	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/26/2021	42.1	21.93	0.0037	0.5915	10291	87.2045%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/21/1991	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/1/1992	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/10/1992	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/26/1992	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/10/1992	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/4/1994	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/7/1994	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/24/1994	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/26/1994	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/4/1995	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/26/1995	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/5/1995	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/15/1995	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/5/1997	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/3/1998	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/3/1998	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/14/1999	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/7/2000	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/8/2000	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/10/2000	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/6/2001	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/12/2001	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/10/2003	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	6/25/2005	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	4/2/2006	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/17/2015	42	21.83	0.0037	0.5911	10297	87.2553%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/12/2004	41.9	21.73	0.0037	0.5908	10323	87.4756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/22/2013	41.9	21.73	0.0037	0.5908	10323	87.4756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/3/2021	41.9	21.73	0.0037	0.5908	10323	87.4756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/17/2004	41.8	21.63	0.0037	0.5904	10326	87.5011%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	2/3/2021	41.8	21.63	0.0037	0.5904	10326	87.5011%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/24/2021	41.8	21.63	0.0037	0.5904	10326	87.5011%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/12/2004	41.7	21.53	0.0037	0.5900	10329	87.5265%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/19/2013	41.7	21.53	0.0037	0.5900	10329	87.5265%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/19/2018	41.7	21.53	0.0037	0.5900	10329	87.5265%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/3/2002	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/3/2003	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/16/2003	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/18/2004	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/30/2006	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/8/2021	41.6	21.43	0.0037	0.5897	10332	87.5519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	2/4/2006	41.5	21.33	0.0037	0.5893	10338	87.6027%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/18/2013	41.5	21.33	0.0037	0.5893	10338	87.6027%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/11/2013	41.5	21.33	0.0037	0.5893	10338	87.6027%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/2/2004	41.4	21.23	0.0037	0.5889	10341	87.6282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/5/2013	41.4	21.23	0.0037	0.5889	10341	87.6282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/5/2021	41.4	21.23	0.0037	0.5889	10341	87.6282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/17/2021	41.4	21.23	0.0037	0.5889	10341	87.6282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/23/2021	41.4	21.23	0.0037	0.5889	10341	87.6282%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/28/2021	41.3	21.13	0.0037	0.5886	10346	87.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/6/2021	41.3	21.13	0.0037	0.5886	10346	87.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/6/2002	41.2	21.03	0.0037	0.5882	10348	87.6875%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	2/6/2021	41.2	21.03	0.0037	0.5882	10348	87.6875%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/27/2021	41.2	21.03	0.0037	0.5882	10348	87.6875%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/25/2002	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	4/24/2003	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/6/2003	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	3/28/2006	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/17/2006	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/9/2013	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/15/2021	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/2/2021	41.1	20.93	0.0037	0.5878	10351	87.7129%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/16/1991	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/12/1991	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/7/1992	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/11/1992	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/12/1992	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/29/1994	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/6/1994	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/23/1994	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/3/1994	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/6/1994	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/13/1995	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/30/1995	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/29/1997	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/3/1997	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/16/1998	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/17/1998	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/4/1998	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/11/1999	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/15/1999	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/9/2000	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	3/27/2006	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/16/2013	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/5/2021	41	20.83	0.0037	0.5874	10359	87.7807%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/14/2004	40.9	20.73	0.0037	0.5871	10382	87.9756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/16/2004	40.9	20.73	0.0037	0.5871	10382	87.9756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/4/2008	40.9	20.73	0.0037	0.5871	10382	87.9756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/4/2021	40.9	20.73	0.0037	0.5871	10382	87.9756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/10/2012	40.8	20.63	0.0037	0.5867	10386	88.0095%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/13/2002	40.7	20.53	0.0037	0.5863	10387	88.0180%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/8/2003	40.7	20.53	0.0037	0.5863	10387	88.0180%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/4/2013	40.6	20.43	0.0037	0.5860	10389	88.0349%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/10/2013	40.6	20.43	0.0037	0.5860	10389	88.0349%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/6/2013	40.5	20.33	0.0037	0.5856	10391	88.0519%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/6/2006	40.4	20.23	0.0037	0.5852	10392	88.0603%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/25/2006	40.3	20.13	0.0037	0.5849	10393	88.0688%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/13/2016	40.3	20.13	0.0037	0.5849	10393	88.0688%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/4/2002	40.2	20.03	0.0037	0.5845	10395	88.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/29/2006	40.2	20.03	0.0037	0.5845	10395	88.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/17/2013	40.2	20.03	0.0037	0.5845	10395	88.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/6/2013	40.2	20.03	0.0037	0.5845	10395	88.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/16/2018	40.2	20.03	0.0037	0.5845	10395	88.0858%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/14/2002	40.1	19.93	0.0037	0.5841	10400	88.1281%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/13/2012	40.1	19.93	0.0037	0.5841	10400	88.1281%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/15/1991	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/8/1992	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/9/1994	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/5/1994	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/27/1994	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/19/1995	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/16/1995	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/17/1995	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/22/1997	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/4/1997	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/18/1998	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/5/1998	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/5/1999	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/12/2002	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	3/13/2003	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	6/29/2005	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/6/2012	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	1/17/2013	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/14/2016	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/9/2021	40	19.83	0.0037	0.5838	10402	88.1451%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/11/2021	39.9	19.73	0.0037	0.5834	10422	88.3145%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/8/2021	39.9	19.73	0.0037	0.5834	10422	88.3145%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/18/2002	39.8	19.63	0.0037	0.5830	10424	88.3315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/10/2002	39.8	19.63	0.0037	0.5830	10424	88.3315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/27/2004	39.8	19.63	0.0037	0.5830	10424	88.3315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	1/8/2018	39.8	19.63	0.0037	0.5830	10424	88.3315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/1/2021	39.8	19.63	0.0037	0.5830	10424	88.3315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/25/2002	39.7	19.53	0.0037	0.5826	10429	88.3739%	Phosphorus, Total	1.69	mg/L	0.83	1.11	5.3	2.6	3.5
USGS	5439500	9/25/2002	39.7	19.53	0.0037	0.5826	10429	88.3739%	Phosphorus, Total	2.22	mg/L	0.83	1.11	7.0	2.6	3.5
USGS	5439500	9/25/2002	39.7	19.53	0.0037	0.5826	10429	88.3739%	Phosphorus, Total	1.90	mg/L	0.83	1.11	6.0	2.6	3.5
USGS	5439500	6/26/2005	39.7	19.53	0.0037	0.5826	10429	88.3739%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/2/2002	39.6	19.43	0.0037	0.5823	10433	88.4078%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/30/2003	39.6	19.43	0.0037	0.5823	10433	88.4078%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/5/2003	39.6	19.43	0.0037	0.5823	10433	88.4078%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/18/2004	39.6	19.43	0.0037	0.5823	10433	88.4078%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/30/2021	39.6	19.43	0.0037	0.5823	10433	88.4078%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/20/2002	39.5	19.33	0.0037	0.5819	10438	88.4501%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/18/2002	39.5	19.33	0.0037	0.5819	10438	88.4501%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/4/2003	39.5	19.33	0.0037	0.5819	10438	88.4501%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	10/2/2002	39.4	19.23	0.0037	0.5815	10441	88.4756%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/11/2002	39.3	19.13	0.0037	0.5812	10442	88.4840%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/15/2004	39.2	19.03	0.0037	0.5808	10443	88.4925%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/26/2006	39.1	18.93	0.0037	0.5804	10444	88.5010%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/21/2012	39.1	18.93	0.0037	0.5804	10444	88.5010%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/21/2021	39.1	18.93	0.0037	0.5804	10444	88.5010%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/9/1992	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/30/1994	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/11/1994	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/12/1994	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/28/1994	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/29/1994	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/5/1995	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/16/1995	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/25/1995	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/18/1995	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/30/1997	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/27/1999	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/27/2001	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/13/2002	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/29/2003	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/30/2004	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/14/2012	39	18.83	0.0037	0.5801	10447	88.5264%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/11/2002	38.9	18.73	0.0037	0.5797	10464	88.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/28/2002	38.9	18.73	0.0037	0.5797	10464	88.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/7/2002	38.9	18.73	0.0037	0.5797	10464	88.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/10/2004	38.9	18.73	0.0037	0.5797	10464	88.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/19/2013	38.9	18.73	0.0037	0.5797	10464	88.6705%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/12/2002	38.8	18.63	0.0037	0.5793	10469	88.7128%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	6/27/2005	38.8	18.63	0.0037	0.5793	10469	88.7128%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	7/7/2012	38.8	18.63	0.0037	0.5793	10469	88.7128%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	10/24/2012	38.8	18.63	0.0037	0.5793	10469	88.7128%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/19/2002	38.7	18.53	0.0037	0.5790	10473	88.7467%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/13/2004	38.7	18.53	0.0037	0.5790	10473	88.7467%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/15/2002	38.6	18.43	0.0037	0.5786	10475	88.7637%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/18/2004	38.6	18.43	0.0037	0.5786	10475	88.7637%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	9/16/2015	38.6	18.43	0.0037	0.5786	10475	88.7637%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	8/22/2018	38.6	18.43	0.0037	0.5786	10475	88.7637%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	12/22/2002	38.5	18.33	0.0037	0.5782	10479	88.7976%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/15/2004	38.5	18.33	0.0037	0.5782	10479	88.7976%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.5
USGS	5439500	11/8/2002	38.4	18.23	0.0037	0.5778	10481	88.8145%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/11/2012	38.4	18.23	0.0037	0.5778	10481	88.8145%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/11/2002	38.3	18.13	0.0037	0.5775	10483	88.8315%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/3/2004	38.2	18.03	0.0037	0.5771	10484	88.8399%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/16/2004	38.2	18.03	0.0037	0.5771	10484	88.8399%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/12/2012	38.2	18.03	0.0037	0.5771	10484	88.8399%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	1/7/2018	38.2	18.03	0.0037	0.5771	10484	88.8399%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/21/2018	38.2	18.03	0.0037	0.5771	10484	88.8399%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/16/1991	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/17/1991	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/24/1991	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/14/1992	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/14/1992	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/10/1994	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/6/1995	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/14/1995	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/27/1995	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/19/1995	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/20/1995	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/30/1997	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/23/1997	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/29/1997	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/24/1998	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/20/1998	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/10/2002	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	4/29/2003	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/9/2004	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/26/2006	38	17.83	0.0037	0.5764	10489	88.8823%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	3/30/2006	37.9	17.73	0.0037	0.5760	10509	89.0518%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/18/2021	37.9	17.73	0.0037	0.5760	10509	89.0518%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/15/2002	37.8	17.63	0.0037	0.5756	10511	89.0687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/11/2003	37.8	17.63	0.0037	0.5756	10511	89.0687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/14/2004	37.8	17.63	0.0037	0.5756	10511	89.0687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/27/2013	37.8	17.63	0.0037	0.5756	10511	89.0687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/14/2013	37.8	17.63	0.0037	0.5756	10511	89.0687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/20/2002	37.7	17.53	0.0037	0.5753	10516	89.1111%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/13/2002	37.6	17.43	0.0037	0.5749	10517	89.1196%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/10/2016	37.6	17.43	0.0037	0.5749	10517	89.1196%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/30/2017	37.6	17.43	0.0037	0.5749	10517	89.1196%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	1/1/2018	37.6	17.43	0.0037	0.5749	10517	89.1196%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/26/2006	37.5	17.33	0.0037	0.5745	10521	89.1535%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/29/2002	37.4	17.23	0.0037	0.5742	10522	89.1619%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/9/2002	37.4	17.23	0.0037	0.5742	10522	89.1619%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/21/2004	37.4	17.23	0.0037	0.5742	10522	89.1619%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/31/2017	37.4	17.23	0.0037	0.5742	10522	89.1619%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/22/2021	37.4	17.23	0.0037	0.5742	10522	89.1619%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/1/2003	37.3	17.13	0.0037	0.5738	10527	89.2043%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/16/2021	37.3	17.13	0.0037	0.5738	10527	89.2043%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	4/25/2003	37.2	17.03	0.0037	0.5734	10529	89.2213%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	6/28/2005	37.2	17.03	0.0037	0.5734	10529	89.2213%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/29/2006	37.2	17.03	0.0037	0.5734	10529	89.2213%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/12/2002	37.1	16.93	0.0037	0.5731	10532	89.2467%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	4/28/2003	37.1	16.93	0.0037	0.5731	10532	89.2467%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/7/2021	37.1	16.93	0.0037	0.5731	10532	89.2467%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/16/1991	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/12/1992	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/29/1992	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/13/1992	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/21/1992	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/10/1997	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/6/1999	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/8/1999	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/20/1999	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/7/2001	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/11/2001	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/18/2001	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/5/2001	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/26/2002	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/14/2002	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/17/2004	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/19/2012	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/29/2017	37	16.83	0.0037	0.5727	10535	89.2721%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/21/2002	36.9	16.73	0.0037	0.5723	10553	89.4246%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	4/27/2003	36.9	16.73	0.0037	0.5723	10553	89.4246%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	1/6/2018	36.9	16.73	0.0037	0.5723	10553	89.4246%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/15/2002	36.8	16.63	0.0037	0.5719	10556	89.4500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	8/21/2013	36.7	16.53	0.0037	0.5716	10557	89.4585%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/31/2002	36.6	16.43	0.0037	0.5712	10558	89.4670%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/3/2004	36.6	16.43	0.0037	0.5712	10558	89.4670%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/29/2004	36.6	16.43	0.0037	0.5712	10558	89.4670%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/25/2008	36.6	16.43	0.0037	0.5712	10558	89.4670%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/20/2013	36.6	16.43	0.0037	0.5712	10558	89.4670%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/14/2002	36.5	16.33	0.0037	0.5708	10563	89.5094%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/4/2003	36.5	16.33	0.0037	0.5708	10563	89.5094%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/4/2004	36.5	16.33	0.0037	0.5708	10563	89.5094%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/20/2012	36.5	16.33	0.0037	0.5708	10563	89.5094%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	1/2/2018	36.5	16.33	0.0037	0.5708	10563	89.5094%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/28/2002	36.4	16.23	0.0037	0.5705	10568	89.5517%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	4/26/2003	36.4	16.23	0.0037	0.5705	10568	89.5517%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	7/26/2003	36.3	16.13	0.0037	0.5701	10570	89.5687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	12/3/2003	36.3	16.13	0.0037	0.5701	10570	89.5687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	10/20/2013	36.3	16.13	0.0037	0.5701	10570	89.5687%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	11/16/2002	36.2	16.03	0.0037	0.5697	10573	89.5941%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	1/19/2013	36.2	16.03	0.0037	0.5697	10573	89.5941%	Phosphorus, Total		mg/L	0.83	1.11	-	2.6	3.4
USGS	5439500	9/16/2002	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/17/2002	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/17/2002	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/12/2003	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/9/2004	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/12/2012	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/20/2013	36.1	15.93	0.0037	0.5694	10575	89.6110%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/19/1991	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/11/1992	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/15/1992	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/19/1992	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/31/1994	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/30/1994	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/15/1995	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/28/1995	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/29/1995	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/11/1997	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/14/1997	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/7/1997	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/29/1997	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/19/1998	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/16/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/17/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/19/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/20/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/21/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/22/1999	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/19/2001	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/17/2002	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/16/2002	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/23/2002	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/4/2002	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/16/2004	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/15/2016	36	15.83	0.0037	0.5690	10582	89.6704%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	1/3/2018	35.9	15.73	0.0037	0.5686	10609	89.8992%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/18/2002	35.8	15.63	0.0037	0.5683	10610	89.9076%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/19/2002	35.8	15.63	0.0037	0.5683	10610	89.9076%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/6/2021	35.8	15.63	0.0037	0.5683	10610	89.9076%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/21/2013	35.7	15.53	0.0037	0.5679	10613	89.9331%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	1/5/2018	35.7	15.53	0.0037	0.5679	10613	89.9331%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/2/2003	35.6	15.43	0.0037	0.5675	10615	89.9500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/2/2004	35.6	15.43	0.0037	0.5675	10615	89.9500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/6/2013	35.6	15.43	0.0037	0.5675	10615	89.9500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	1/4/2018	35.6	15.43	0.0037	0.5675	10615	89.9500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/12/2021	35.6	15.43	0.0037	0.5675	10615	89.9500%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/27/2002	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/29/2002	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/30/2002	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/1/2002	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/19/2004	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	1/18/2013	35.5	15.33	0.0037	0.5671	10620	89.9924%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/6/2004	35.3	15.13	0.0037	0.5664	10626	90.0432%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/26/2012	35.3	15.13	0.0037	0.5664	10626	90.0432%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/23/2012	35.3	15.13	0.0037	0.5664	10626	90.0432%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/14/2016	35.2	15.03	0.0037	0.5660	10629	90.0686%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/19/2004	35.1	14.93	0.0037	0.5657	10630	90.0771%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/30/2013	35.1	14.93	0.0037	0.5657	10630	90.0771%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/20/2021	35.1	14.93	0.0037	0.5657	10630	90.0771%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/22/1992	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/2/1994	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/13/1994	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/14/1994	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/17/1995	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/31/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/1/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/6/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/11/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/26/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/28/1997	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/6/1998	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/22/1998	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/18/1999	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/15/1999	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/3/2002	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/29/2002	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/10/2004	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/5/2004	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/28/2004	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/7/2013	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/26/2013	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/15/2018	35	14.83	0.0037	0.5653	10633	90.1025%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/21/2002	34.9	14.73	0.0037	0.5649	10656	90.2974%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/7/2006	34.9	14.73	0.0037	0.5649	10656	90.2974%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	6/30/2005	34.8	14.63	0.0037	0.5646	10658	90.3144%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/18/2002	34.7	14.53	0.0037	0.5642	10659	90.3229%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/18/2006	34.7	14.53	0.0037	0.5642	10659	90.3229%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/30/2002	34.6	14.43	0.0037	0.5638	10661	90.3398%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/7/2013	34.6	14.43	0.0037	0.5638	10661	90.3398%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/7/2021	34.6	14.43	0.0037	0.5638	10661	90.3398%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/22/2002	34.4	14.23	0.0037	0.5631	10664	90.3652%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/4/2004	34.4	14.23	0.0037	0.5631	10664	90.3652%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/3/2021	34.4	14.23	0.0037	0.5631	10664	90.3652%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/8/2012	34.3	14.13	0.0037	0.5627	10667	90.3906%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/13/2012	34.3	14.13	0.0037	0.5627	10667	90.3906%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/19/2021	34.3	14.13	0.0037	0.5627	10667	90.3906%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/18/2013	34.2	14.03	0.0037	0.5623	10670	90.4161%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/19/2013	34.2	14.03	0.0037	0.5623	10670	90.4161%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/22/2002	34.1	13.93	0.0037	0.5620	10672	90.4330%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/18/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	7/20/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/13/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/14/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/15/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/17/1991	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/23/1992	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	10/29/1992	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/1/1994	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/7/1994	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/18/1995	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/1/1997	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/29/1997	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/7/1997	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	12/12/1997	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/20/1998	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/9/1998	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/22/1999	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/23/1999	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/7/1999	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/9/1999	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/23/1999	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/8/2001	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/21/2001	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	9/13/2001	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/22/2004	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	8/3/2006	34	13.83	0.0037	0.5616	10673	90.4415%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.4
USGS	5439500	11/23/2002	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/26/2002	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/17/2002	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/20/2004	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/18/2013	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/12/2016	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/23/2021	33.9	13.73	0.0037	0.5612	10700	90.6703%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/1/2002	33.8	13.63	0.0037	0.5609	10707	90.7296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/27/2003	33.8	13.63	0.0037	0.5609	10707	90.7296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/24/2004	33.8	13.63	0.0037	0.5609	10707	90.7296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/24/2021	33.8	13.63	0.0037	0.5609	10707	90.7296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/24/2002	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/25/2002	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/13/2003	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/7/2004	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/25/2012	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/17/2012	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/11/2016	33.6	13.43	0.0037	0.5601	10711	90.7635%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/8/2013	33.5	13.33	0.0037	0.5598	10718	90.8228%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/29/2013	33.5	13.33	0.0037	0.5598	10718	90.8228%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/24/2002	33.4	13.23	0.0037	0.5594	10720	90.8398%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/17/2004	33.4	13.23	0.0037	0.5594	10720	90.8398%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/11/2002	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/14/2002	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/2/2005	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/7/2005	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/16/2012	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/17/2013	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/17/2021	33.3	13.13	0.0037	0.5590	10722	90.8567%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/27/2006	33.2	13.03	0.0037	0.5587	10729	90.9160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/26/2008	33.2	13.03	0.0037	0.5587	10729	90.9160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/25/2012	33.2	13.03	0.0037	0.5587	10729	90.9160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/12/2018	33.1	12.93	0.0037	0.5583	10732	90.9414%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/25/1991	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/11/1991	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/22/1991	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/23/1991	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/12/1992	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/15/1992	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/28/1992	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/10/1994	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/24/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/9/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/15/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/30/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/9/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/30/1997	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	1/2/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/21/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/22/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/7/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/21/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/25/1998	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/13/1999	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/25/2001	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/15/2002	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/23/2004	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	2/9/2006	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/30/2006	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/14/2012	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	2/2/2021	33	12.83	0.0037	0.5579	10733	90.9499%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/27/2002	32.9	12.73	0.0037	0.5576	10761	91.1872%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/22/2012	32.9	12.73	0.0037	0.5576	10761	91.1872%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/7/2002	32.8	12.63	0.0037	0.5572	10763	91.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/15/2004	32.8	12.63	0.0037	0.5572	10763	91.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/8/2006	32.8	12.63	0.0037	0.5572	10763	91.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/13/2002	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/1/2004	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/29/2005	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	2/5/2006	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/21/2013	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/28/2013	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/16/2016	32.7	12.53	0.0037	0.5568	10766	91.2296%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/16/2002	32.6	12.43	0.0037	0.5564	10773	91.2889%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/14/2003	32.6	12.43	0.0037	0.5564	10773	91.2889%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/1/2012	32.6	12.43	0.0037	0.5564	10773	91.2889%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/15/2013	32.6	12.43	0.0037	0.5564	10773	91.2889%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/18/2004	32.5	12.33	0.0037	0.5561	10777	91.3228%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/15/2012	32.5	12.33	0.0037	0.5561	10777	91.3228%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/12/2002	32.4	12.23	0.0037	0.5557	10779	91.3397%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/7/2013	32.4	12.23	0.0037	0.5557	10779	91.3397%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	1/30/2021	32.4	12.23	0.0037	0.5557	10779	91.3397%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/22/2012	32.3	12.13	0.0037	0.5553	10782	91.3651%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/3/2013	32.3	12.13	0.0037	0.5553	10782	91.3651%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/14/2012	32.2	12.03	0.0037	0.5550	10784	91.3821%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/22/2013	32.2	12.03	0.0037	0.5550	10784	91.3821%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/22/2004	32.1	11.93	0.0037	0.5546	10786	91.3990%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	1/5/2006	32.1	11.93	0.0037	0.5546	10786	91.3990%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/16/1992	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/20/1992	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/24/1992	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/15/1994	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/2/1997	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/4/1997	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/26/1997	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/6/1997	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/16/1997	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/23/1998	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/26/1998	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/10/1999	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/16/1999	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/22/2001	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/24/2001	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/28/2001	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/14/2005	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/15/2013	32	11.83	0.0037	0.5542	10788	91.4160%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/8/2002	31.9	11.73	0.0037	0.5539	10806	91.5685%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/8/2004	31.9	11.73	0.0037	0.5539	10806	91.5685%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/20/2004	31.8	11.63	0.0037	0.5535	10808	91.5855%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/27/2013	31.8	11.63	0.0037	0.5535	10808	91.5855%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/17/2016	31.8	11.63	0.0037	0.5535	10808	91.5855%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/10/2002	31.7	11.53	0.0037	0.5531	10811	91.6109%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/16/2004	31.7	11.53	0.0037	0.5531	10811	91.6109%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/30/2002	31.6	11.43	0.0037	0.5528	10813	91.6278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/21/2004	31.6	11.43	0.0037	0.5528	10813	91.6278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/1/2005	31.6	11.43	0.0037	0.5528	10813	91.6278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/13/2013	31.5	11.33	0.0037	0.5524	10816	91.6532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/5/2002	31.4	11.23	0.0037	0.5520	10817	91.6617%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/18/2016	31.4	11.23	0.0037	0.5520	10817	91.6617%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/27/2008	31.3	11.13	0.0037	0.5516	10819	91.6787%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/18/2021	31.3	11.13	0.0037	0.5516	10819	91.6787%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/5/2004	31.2	11.03	0.0037	0.5513	10821	91.6956%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/16/2013	31.2	11.03	0.0037	0.5513	10821	91.6956%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/28/2002	31.1	10.93	0.0037	0.5509	10823	91.7126%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/2/2002	31.1	10.93	0.0037	0.5509	10823	91.7126%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/31/2003	31.1	10.93	0.0037	0.5509	10823	91.7126%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/19/2004	31.1	10.93	0.0037	0.5509	10823	91.7126%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/20/2016	31.1	10.93	0.0037	0.5509	10823	91.7126%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/19/1991	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/29/1991	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/30/1992	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/8/1994	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/16/1994	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/22/1994	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/3/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/27/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/8/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/9/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/13/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/18/1997	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/23/1998	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/24/1998	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/30/1998	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/11/1999	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/19/1999	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	3/12/2003	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/23/2005	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/8/2013	31	10.83	0.0037	0.5505	10828	91.7549%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/6/2002	30.9	10.73	0.0037	0.5502	10848	91.9244%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/13/2012	30.9	10.73	0.0037	0.5502	10848	91.9244%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/25/2013	30.9	10.73	0.0037	0.5502	10848	91.9244%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/9/2004	30.8	10.63	0.0037	0.5498	10851	91.9498%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/14/2003	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/10/2004	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/22/2004	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/6/2004	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/23/2005	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/28/2006	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/19/2012	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/11/2012	30.7	10.53	0.0037	0.5494	10852	91.9583%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/4/2002	30.6	10.43	0.0037	0.5491	10860	92.0261%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/29/2004	30.6	10.43	0.0037	0.5491	10860	92.0261%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/2/2013	30.6	10.43	0.0037	0.5491	10860	92.0261%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/20/2021	30.6	10.43	0.0037	0.5491	10860	92.0261%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/24/2004	30.5	10.33	0.0037	0.5487	10864	92.0600%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/23/2013	30.5	10.33	0.0037	0.5487	10864	92.0600%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/9/2013	30.5	10.33	0.0037	0.5487	10864	92.0600%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/29/2003	30.4	10.23	0.0037	0.5483	10867	92.0854%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/28/2005	30.4	10.23	0.0037	0.5483	10867	92.0854%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/31/2008	30.4	10.23	0.0037	0.5483	10867	92.0854%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/18/2012	30.4	10.23	0.0037	0.5483	10867	92.0854%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/1/2013	30.4	10.23	0.0037	0.5483	10867	92.0854%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/30/2008	30.3	10.13	0.0037	0.5480	10872	92.1278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/17/2012	30.3	10.13	0.0037	0.5480	10872	92.1278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/27/2012	30.3	10.13	0.0037	0.5480	10872	92.1278%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	11/9/2003	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/23/2004	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	10/11/2004	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	12/26/2012	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	8/28/2013	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	9/29/2013	30.2	10.03	0.0037	0.5476	10875	92.1532%	Phosphorus, Total		mg/L	0.83	1.11	-	2.5	3.3
USGS	5439500	7/28/2003	30.1	9.93	0.0037	0.5472	10881	92.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/28/2008	30.1	9.93	0.0037	0.5472	10881	92.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/9/2013	30.1	9.93	0.0037	0.5472	10881	92.2041%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	7/21/1991	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/17/1991	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/18/1991	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/17/1994	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/21/1994	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/7/1997	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/25/1997	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/15/1997	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/25/1997	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/31/1997	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/8/1998	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/10/1998	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/27/1998	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/12/1999	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/17/1999	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/18/1999	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/24/1999	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/12/2001	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/16/2001	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/4/2001	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/6/2001	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	2/3/2003	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	2/4/2003	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	3/9/2003	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	3/10/2003	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/21/2004	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/14/2004	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	7/22/2005	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/2/2012	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/19/2021	30	9.83	0.0037	0.5469	10884	92.2295%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/28/2004	29.9	9.73	0.0037	0.5465	10914	92.4837%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/30/2004	29.9	9.73	0.0037	0.5465	10914	92.4837%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/8/2004	29.9	9.73	0.0037	0.5465	10914	92.4837%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/25/2004	29.8	9.63	0.0037	0.5461	10917	92.5091%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/29/2008	29.8	9.63	0.0037	0.5461	10917	92.5091%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	1/21/2013	29.8	9.63	0.0037	0.5461	10917	92.5091%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/3/2002	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	9/11/2004	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/15/2004	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/22/2013	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/13/2018	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/14/2018	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/29/2021	29.7	9.53	0.0037	0.5457	10920	92.5345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	7/4/2005	29.6	9.43	0.0037	0.5454	10927	92.5938%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/17/2012	29.6	9.43	0.0037	0.5454	10927	92.5938%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	9/12/2004	29.5	9.33	0.0037	0.5450	10929	92.6108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	7/24/2012	29.5	9.33	0.0037	0.5450	10929	92.6108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/23/2013	29.5	9.33	0.0037	0.5450	10929	92.6108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/24/2013	29.5	9.33	0.0037	0.5450	10929	92.6108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/9/2002	29.4	9.23	0.0037	0.5446	10933	92.6447%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	12/23/2002	29.4	9.23	0.0037	0.5446	10933	92.6447%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	10/7/2004	29.4	9.23	0.0037	0.5446	10933	92.6447%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.3
USGS	5439500	8/15/2016	29.3	9.13	0.0037	0.5443	10936	92.6701%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/28/2021	29.3	9.13	0.0037	0.5443	10936	92.6701%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/10/2013	29.2	9.03	0.0037	0.5439	10938	92.6871%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/8/2006	29.1	8.93	0.0037	0.5435	10939	92.6955%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/25/2012	29.1	8.93	0.0037	0.5435	10939	92.6955%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/30/2013	29.1	8.93	0.0037	0.5435	10939	92.6955%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/18/1992	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/25/1992	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/18/1994	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/27/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/28/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/18/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/23/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/24/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/27/1997	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/12/1998	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/25/1999	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/26/1999	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/9/2001	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/10/2001	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/29/2001	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/14/2001	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/18/2001	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/15/2003	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/31/2006	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/15/2006	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/24/2013	29	8.83	0.0037	0.5432	10942	92.7210%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/30/2003	28.9	8.73	0.0037	0.5428	10963	92.8989%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/20/2013	28.9	8.73	0.0037	0.5428	10963	92.8989%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/13/2004	28.8	8.63	0.0037	0.5424	10965	92.9159%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/1/2006	28.8	8.63	0.0037	0.5424	10965	92.9159%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/23/2012	28.8	8.63	0.0037	0.5424	10965	92.9159%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/28/2006	28.7	8.53	0.0037	0.5421	10968	92.9413%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/28/2012	28.7	8.53	0.0037	0.5421	10968	92.9413%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/18/2012	28.7	8.53	0.0037	0.5421	10968	92.9413%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/12/2004	28.6	8.43	0.0037	0.5417	10971	92.9667%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/10/2012	28.6	8.43	0.0037	0.5417	10971	92.9667%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/20/2018	28.6	8.43	0.0037	0.5417	10971	92.9667%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/27/2004	28.5	8.33	0.0037	0.5413	10974	92.9921%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/28/2013	28.5	8.33	0.0037	0.5413	10974	92.9921%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/10/2013	28.5	8.33	0.0037	0.5413	10974	92.9921%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/19/2016	28.5	8.33	0.0037	0.5413	10974	92.9921%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/21/2021	28.5	8.33	0.0037	0.5413	10974	92.9921%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/5/2012	28.4	8.23	0.0037	0.5409	10979	93.0345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/30/2013	28.4	8.23	0.0037	0.5409	10979	93.0345%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/14/2004	28.3	8.13	0.0037	0.5406	10981	93.0514%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/3/2005	28.3	8.13	0.0037	0.5406	10981	93.0514%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/26/2004	28.2	8.03	0.0037	0.5402	10983	93.0684%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/11/2013	28.2	8.03	0.0037	0.5402	10983	93.0684%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/12/2013	28.2	8.03	0.0037	0.5402	10983	93.0684%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/19/2006	28.1	7.93	0.0037	0.5398	10986	93.0938%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/23/2021	28.1	7.93	0.0037	0.5398	10986	93.0938%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/17/1991	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/31/1992	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/9/1994	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/19/1994	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/30/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/31/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/21/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/25/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/28/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/20/1997	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/1/1998	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/29/1998	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/15/2001	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/13/2003	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/21/2003	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/22/2003	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/23/2003	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/20/2006	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/21/2006	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/7/2012	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/26/2012	28	7.83	0.0037	0.5395	10988	93.1108%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/1/2008	27.9	7.73	0.0037	0.5391	11009	93.2887%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/5/2021	27.9	7.73	0.0037	0.5391	11009	93.2887%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/27/2006	27.8	7.63	0.0037	0.5387	11011	93.3057%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/25/2013	27.8	7.63	0.0037	0.5387	11011	93.3057%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/26/2013	27.6	7.43	0.0037	0.5380	11013	93.3226%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/8/2005	27.5	7.33	0.0037	0.5376	11014	93.3311%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/26/2018	27.5	7.33	0.0037	0.5376	11014	93.3311%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/31/2021	27.5	7.33	0.0037	0.5376	11014	93.3311%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/13/2004	27.4	7.23	0.0037	0.5373	11017	93.3565%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/10/2006	27.4	7.23	0.0037	0.5373	11017	93.3565%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/9/2006	27.4	7.23	0.0037	0.5373	11017	93.3565%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/30/2021	27.4	7.23	0.0037	0.5373	11017	93.3565%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/12/2012	27.3	7.13	0.0037	0.5369	11021	93.3904%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/27/2013	27.3	7.13	0.0037	0.5369	11021	93.3904%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/7/2006	27.2	7.03	0.0037	0.5365	11023	93.4073%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/9/2012	27.2	7.03	0.0037	0.5365	11023	93.4073%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/29/2013	27.2	7.03	0.0037	0.5365	11023	93.4073%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/1/2021	27.1	6.93	0.0037	0.5361	11026	93.4328%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/26/1991	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/30/1991	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/6/1991	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/17/1992	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/30/1992	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/20/1994	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/9/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/1/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/5/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/10/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/12/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/19/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/26/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/27/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/14/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/17/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/19/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/23/1997	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/11/1998	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/16/2001	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/17/2001	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/24/2002	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/10/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/11/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/12/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/14/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/2/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/24/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/11/2003	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/8/2006	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/17/2006	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/18/2006	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/19/2006	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/27/2021	27	6.83	0.0037	0.5358	11027	93.4412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/16/2003	26.9	6.73	0.0037	0.5354	11061	93.7293%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/29/2012	26.9	6.73	0.0037	0.5354	11061	93.7293%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/30/2012	26.9	6.73	0.0037	0.5354	11061	93.7293%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/11/2013	26.9	6.73	0.0037	0.5354	11061	93.7293%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/31/2006	26.8	6.63	0.0037	0.5350	11065	93.7632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/20/2006	26.8	6.63	0.0037	0.5350	11065	93.7632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/16/2016	26.8	6.63	0.0037	0.5350	11065	93.7632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/22/2021	26.8	6.63	0.0037	0.5350	11065	93.7632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/27/2013	26.7	6.53	0.0037	0.5347	11069	93.7971%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/28/2013	26.7	6.53	0.0037	0.5347	11069	93.7971%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/10/2006	26.6	6.43	0.0037	0.5343	11071	93.8141%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/4/2006	26.6	6.43	0.0037	0.5343	11071	93.8141%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/1/2021	26.6	6.43	0.0037	0.5343	11071	93.8141%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/30/2005	26.5	6.33	0.0037	0.5339	11074	93.8395%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/2/2006	26.5	6.33	0.0037	0.5339	11074	93.8395%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/10/2012	26.5	6.33	0.0037	0.5339	11074	93.8395%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/2/2008	26.4	6.23	0.0037	0.5336	11077	93.8649%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/6/2012	26.4	6.23	0.0037	0.5336	11077	93.8649%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/31/2021	26.4	6.23	0.0037	0.5336	11077	93.8649%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/23/2021	26.3	6.13	0.0037	0.5332	11080	93.8903%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/6/2021	26.3	6.13	0.0037	0.5332	11080	93.8903%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/28/2021	26.3	6.13	0.0037	0.5332	11080	93.8903%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/22/2006	26.2	6.03	0.0037	0.5328	11083	93.9158%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/28/2012	26.2	6.03	0.0037	0.5328	11083	93.9158%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/16/2012	26.1	5.93	0.0037	0.5325	11085	93.9327%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	7/27/1991	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/12/1991	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/25/1992	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/26/1992	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/10/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/29/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/2/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/10/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/26/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/31/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/13/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/15/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/16/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/20/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/21/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/22/1997	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/13/2001	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/30/2001	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/25/2002	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/26/2002	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/29/2002	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/30/2002	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/31/2002	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/8/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/9/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/15/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/6/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/20/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/28/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/1/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/2/2003	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/8/2012	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/11/2012	26	5.83	0.0037	0.5321	11086	93.9412%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/12/2013	25.9	5.73	0.0037	0.5317	11119	94.2208%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/4/2021	25.9	5.73	0.0037	0.5317	11119	94.2208%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/11/2006	25.8	5.63	0.0037	0.5314	11121	94.2378%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/15/2012	25.8	5.63	0.0037	0.5314	11121	94.2378%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/27/2012	25.8	5.63	0.0037	0.5314	11121	94.2378%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/7/2005	25.7	5.53	0.0037	0.5310	11124	94.2632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/3/2008	25.7	5.53	0.0037	0.5310	11124	94.2632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/29/2012	25.7	5.53	0.0037	0.5310	11124	94.2632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/25/2021	25.7	5.53	0.0037	0.5310	11124	94.2632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/22/2021	25.7	5.53	0.0037	0.5310	11124	94.2632%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/11/2003	25.6	5.43	0.0037	0.5306	11129	94.3056%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/6/2006	25.6	5.43	0.0037	0.5306	11129	94.3056%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/29/2006	25.6	5.43	0.0037	0.5306	11129	94.3056%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/28/2012	25.6	5.43	0.0037	0.5306	11129	94.3056%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/7/2021	25.6	5.43	0.0037	0.5306	11129	94.3056%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/30/2006	25.4	5.23	0.0037	0.5299	11134	94.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/15/2012	25.4	5.23	0.0037	0.5299	11134	94.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/24/2021	25.4	5.23	0.0037	0.5299	11134	94.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/17/2003	25.3	5.13	0.0037	0.5295	11137	94.3734%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/28/2003	25.3	5.13	0.0037	0.5295	11137	94.3734%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/11/2012	25.3	5.13	0.0037	0.5295	11137	94.3734%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/9/2012	25.3	5.13	0.0037	0.5295	11137	94.3734%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/3/2021	25.3	5.13	0.0037	0.5295	11137	94.3734%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/10/2003	25.2	5.03	0.0037	0.5291	11142	94.4157%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/7/2012	25.2	5.03	0.0037	0.5291	11142	94.4157%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/16/2012	25.2	5.03	0.0037	0.5291	11142	94.4157%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/17/2012	25.2	5.03	0.0037	0.5291	11142	94.4157%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/2/2021	25.2	5.03	0.0037	0.5291	11142	94.4157%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/16/2012	25.1	4.93	0.0037	0.5288	11147	94.4581%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/20/2012	25.1	4.93	0.0037	0.5288	11147	94.4581%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/27/2012	25.1	4.93	0.0037	0.5288	11147	94.4581%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/18/1991	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/19/1992	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/1/1992	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/27/1992	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/8/1997	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/17/1997	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/1/1997	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	11/22/1997	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/28/1998	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/14/2001	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	8/15/2001	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/31/2001	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/27/2002	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	12/28/2002	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/1/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/7/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/16/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/1/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/7/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/12/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/13/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/14/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/19/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/25/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/26/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	2/27/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/3/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/6/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/7/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	3/8/2003	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/2/2006	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/16/2006	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/23/2006	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	10/2/2006	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/26/2013	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/14/2013	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	9/27/2021	25	4.83	0.0037	0.5284	11150	94.4835%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.2
USGS	5439500	1/22/2013	24.8	4.63	0.0037	0.5277	11187	94.7971%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/18/2012	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/6/2012	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	11/18/2012	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/8/2012	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/19/2012	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/13/2013	24.7	4.53	0.0037	0.5273	11188	94.8055%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/25/2006	24.6	4.43	0.0037	0.5269	11194	94.8564%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	7/9/2005	24.5	4.33	0.0037	0.5266	11195	94.8648%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/19/2005	24.5	4.33	0.0037	0.5266	11195	94.8648%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	11/8/2005	24.5	4.33	0.0037	0.5266	11195	94.8648%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/2/2012	24.5	4.33	0.0037	0.5266	11195	94.8648%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/12/2021	24.5	4.33	0.0037	0.5266	11195	94.8648%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/1/2002	24.4	4.23	0.0037	0.5262	11200	94.9072%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	7/31/2012	24.4	4.23	0.0037	0.5262	11200	94.9072%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/25/2021	24.4	4.23	0.0037	0.5262	11200	94.9072%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	7/27/2005	24.3	4.13	0.0037	0.5258	11203	94.9326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	10/29/2012	24.3	4.13	0.0037	0.5258	11203	94.9326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/12/2012	24.3	4.13	0.0037	0.5258	11203	94.9326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/26/2021	24.3	4.13	0.0037	0.5258	11203	94.9326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/24/2021	24.3	4.13	0.0037	0.5258	11203	94.9326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/12/2006	24.2	4.03	0.0037	0.5254	11208	94.9750%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/21/2006	24.2	4.03	0.0037	0.5254	11208	94.9750%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/4/2012	24.2	4.03	0.0037	0.5254	11208	94.9750%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	12/31/2012	24.2	4.03	0.0037	0.5254	11208	94.9750%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/9/2021	24.2	4.03	0.0037	0.5254	11208	94.9750%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	9/3/2003	24.1	3.93	0.0037	0.5251	11213	95.0174%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	10/27/2003	24.1	3.93	0.0037	0.5251	11213	95.0174%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	8/17/2016	24.1	3.93	0.0037	0.5251	11213	95.0174%	Phosphorus, Total		mg/L	0.83	1.11	-	2.4	3.1
USGS	5439500	7/28/1991	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/15/1991	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/2/1992	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/3/1997	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/16/1997	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/2/1997	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/11/1997	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/14/1997	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/13/1998	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/2/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/3/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/4/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/5/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/6/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/17/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/5/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/10/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/11/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/15/2003	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/24/2005	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/7/2012	24	3.83	0.0037	0.5247	11216	95.0428%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/19/2003	23.9	3.73	0.0037	0.5243	11237	95.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/8/2012	23.9	3.73	0.0037	0.5243	11237	95.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/8/2021	23.9	3.73	0.0037	0.5243	11237	95.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/15/2003	23.8	3.63	0.0037	0.5240	11240	95.2462%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/1/2006	23.8	3.63	0.0037	0.5240	11240	95.2462%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/30/2012	23.8	3.63	0.0037	0.5240	11240	95.2462%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/9/2012	23.8	3.63	0.0037	0.5240	11240	95.2462%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/21/2012	23.8	3.63	0.0037	0.5240	11240	95.2462%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/11/2012	23.7	3.53	0.0037	0.5236	11245	95.2885%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/31/2012	23.7	3.53	0.0037	0.5236	11245	95.2885%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/7/2012	23.7	3.53	0.0037	0.5236	11245	95.2885%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/15/2012	23.7	3.53	0.0037	0.5236	11245	95.2885%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/26/2021	23.7	3.53	0.0037	0.5236	11245	95.2885%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/11/2021	23.6	3.43	0.0037	0.5232	11250	95.3309%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/13/2021	23.6	3.43	0.0037	0.5232	11250	95.3309%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/12/2003	23.5	3.33	0.0037	0.5229	11252	95.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/20/2006	23.5	3.33	0.0037	0.5229	11252	95.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/2/2012	23.5	3.33	0.0037	0.5229	11252	95.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/6/2012	23.5	3.33	0.0037	0.5229	11252	95.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/29/2021	23.5	3.33	0.0037	0.5229	11252	95.3479%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/9/2012	23.4	3.23	0.0037	0.5225	11257	95.3902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/1/2012	23.4	3.23	0.0037	0.5225	11257	95.3902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/3/2012	23.4	3.23	0.0037	0.5225	11257	95.3902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/23/2013	23.4	3.23	0.0037	0.5225	11257	95.3902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/2/2021	23.4	3.23	0.0037	0.5225	11257	95.3902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/1/2012	23.3	3.13	0.0037	0.5221	11262	95.4326%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/18/2003	23.2	3.03	0.0037	0.5218	11263	95.4411%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/17/2003	23.2	3.03	0.0037	0.5218	11263	95.4411%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/6/2012	23.2	3.03	0.0037	0.5218	11263	95.4411%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/10/2021	23.2	3.03	0.0037	0.5218	11263	95.4411%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/30/2021	23.2	3.03	0.0037	0.5218	11263	95.4411%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/24/2005	23.1	2.93	0.0037	0.5214	11268	95.4834%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/10/2006	23.1	2.93	0.0037	0.5214	11268	95.4834%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/19/2012	23.1	2.93	0.0037	0.5214	11268	95.4834%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/31/1991	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/7/1991	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/13/1991	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/19/1991	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/3/1992	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/4/1997	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/13/1997	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/25/1997	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/4/1997	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/17/1997	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	9/1/2001	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/2/2001	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/3/2001	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/18/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/19/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/20/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/8/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/9/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/16/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/17/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/18/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	3/4/2003	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/13/2005	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/4/2012	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/6/2012	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/7/2012	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/20/2012	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/25/2013	23	2.83	0.0037	0.5210	11271	95.5089%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/21/2006	22.9	2.73	0.0037	0.5207	11299	95.7461%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/5/2012	22.9	2.73	0.0037	0.5207	11299	95.7461%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/29/2005	22.8	2.63	0.0037	0.5203	11301	95.7631%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/10/2012	22.8	2.63	0.0037	0.5203	11301	95.7631%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/22/2012	22.8	2.63	0.0037	0.5203	11301	95.7631%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/18/2016	22.8	2.63	0.0037	0.5203	11301	95.7631%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/24/2003	22.7	2.53	0.0037	0.5199	11305	95.7970%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/14/2005	22.7	2.53	0.0037	0.5199	11305	95.7970%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/13/2012	22.7	2.53	0.0037	0.5199	11305	95.7970%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/1/2021	22.7	2.53	0.0037	0.5199	11305	95.7970%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/26/2003	22.6	2.43	0.0037	0.5195	11309	95.8309%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/26/2005	22.6	2.43	0.0037	0.5195	11309	95.8309%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/20/2003	22.5	2.33	0.0037	0.5192	11311	95.8478%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/14/2012	22.5	2.33	0.0037	0.5192	11311	95.8478%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/3/2013	22.5	2.33	0.0037	0.5192	11311	95.8478%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/12/2005	22.4	2.23	0.0037	0.5188	11314	95.8732%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/15/2021	22.4	2.23	0.0037	0.5188	11314	95.8732%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/13/2003	22.3	2.13	0.0037	0.5184	11316	95.8902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/15/2006	22.3	2.13	0.0037	0.5184	11316	95.8902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/22/2006	22.3	2.13	0.0037	0.5184	11316	95.8902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/10/2012	22.3	2.13	0.0037	0.5184	11316	95.8902%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/4/2012	22.2	2.03	0.0037	0.5181	11320	95.9241%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/30/2012	22.1	1.93	0.0037	0.5177	11321	95.9325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/14/2012	22.1	1.93	0.0037	0.5177	11321	95.9325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/14/2021	22.1	1.93	0.0037	0.5177	11321	95.9325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/1/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/6/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/18/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/3/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/7/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/10/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/21/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/23/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/24/1991	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/31/1992	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/4/1992	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/5/1997	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/7/1997	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/25/1997	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/3/1997	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/24/1997	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/22/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/23/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/27/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/28/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/31/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	3/5/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/21/2003	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/10/2005	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/13/2006	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/3/2012	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/29/2012	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/10/2013	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/24/2013	22	1.83	0.0037	0.5173	11324	95.9580%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/27/2003	21.9	1.73	0.0037	0.5170	11353	96.2037%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/8/2012	21.9	1.73	0.0037	0.5170	11353	96.2037%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/24/2003	21.8	1.63	0.0037	0.5166	11355	96.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	2/11/2006	21.8	1.63	0.0037	0.5166	11355	96.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/23/2012	21.8	1.63	0.0037	0.5166	11355	96.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/6/2013	21.8	1.63	0.0037	0.5166	11355	96.2207%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/5/2012	21.7	1.53	0.0037	0.5162	11359	96.2546%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/21/2021	21.7	1.53	0.0037	0.5162	11359	96.2546%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/19/2012	21.6	1.43	0.0037	0.5159	11361	96.2715%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/15/2005	21.5	1.33	0.0037	0.5155	11362	96.2800%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/1/2006	21.5	1.33	0.0037	0.5155	11362	96.2800%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/13/2012	21.5	1.33	0.0037	0.5155	11362	96.2800%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/1/2013	21.5	1.33	0.0037	0.5155	11362	96.2800%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/21/2003	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/14/2006	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/28/2006	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/3/2012	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/4/2012	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/9/2013	21.4	1.23	0.0037	0.5151	11366	96.3139%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/19/2006	21.3	1.13	0.0037	0.5147	11372	96.3647%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/5/2012	21.3	1.13	0.0037	0.5147	11372	96.3647%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/16/2003	21.2	1.03	0.0037	0.5144	11374	96.3817%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/29/2003	21.2	1.03	0.0037	0.5144	11374	96.3817%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/16/2005	21.2	1.03	0.0037	0.5144	11374	96.3817%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/8/2013	21.2	1.03	0.0037	0.5144	11374	96.3817%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/13/2003	21.1	0.93	0.0037	0.5140	11378	96.4156%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/11/2005	21.1	0.93	0.0037	0.5140	11378	96.4156%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/3/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/5/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/14/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/20/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/26/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/29/1991	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/21/1992	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/5/1992	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/6/1992	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/8/1997	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/23/1997	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/9/1997	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	10/11/1997	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/21/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/24/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/25/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/26/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/29/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/30/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/2/2003	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	12/8/2005	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	11/28/2012	21	0.83	0.0037	0.5136	11380	96.4325%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/25/2005	20.9	0.73	0.0037	0.5133	11402	96.6189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/12/2005	20.9	0.73	0.0037	0.5133	11402	96.6189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/25/2012	20.9	0.73	0.0037	0.5133	11402	96.6189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/5/2013	20.9	0.73	0.0037	0.5133	11402	96.6189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/7/2013	20.9	0.73	0.0037	0.5133	11402	96.6189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	7/15/2005	20.8	0.63	0.0037	0.5129	11407	96.6613%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/12/2012	20.8	0.63	0.0037	0.5129	11407	96.6613%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/24/2012	20.7	0.53	0.0037	0.5125	11409	96.6782%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/4/2013	20.7	0.53	0.0037	0.5125	11409	96.6782%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/22/2006	20.6	0.43	0.0037	0.5122	11411	96.6952%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/16/2012	20.6	0.43	0.0037	0.5122	11411	96.6952%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/24/2012	20.6	0.43	0.0037	0.5122	11411	96.6952%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/22/2003	20.5	0.33	0.0037	0.5118	11414	96.7206%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/25/2012	20.5	0.33	0.0037	0.5118	11414	96.7206%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/26/2012	20.5	0.33	0.0037	0.5118	11414	96.7206%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/25/2003	20.4	0.23	0.0037	0.5114	11417	96.7460%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	9/4/2003	20.4	0.23	0.0037	0.5114	11417	96.7460%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/16/2003	20.4	0.23	0.0037	0.5114	11417	96.7460%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/23/2006	20.3	0.13	0.0037	0.5111	11420	96.7715%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	11/27/2012	20.3	0.13	0.0037	0.5111	11420	96.7715%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	1/2/2013	20.3	0.13	0.0037	0.5111	11420	96.7715%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/27/2018	20.3	0.13	0.0037	0.5111	11420	96.7715%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.1
USGS	5439500	8/16/2006	20.2	0.03	0.0037	0.5107	11424	96.8054%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/20/2012	20.2	0.03	0.0037	0.5107	11424	96.8054%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/25/2018	20.2	0.03	0.0037	0.5107	11424	96.8054%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/28/2003	20.1	-0.07	0.0037	0.5103	11427	96.8308%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/29/2003	20.1	-0.07	0.0037	0.5103	11427	96.8308%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/9/2012	20.1	-0.07	0.0037	0.5103	11427	96.8308%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/11/1991	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/22/1991	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/25/1991	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/20/1992	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/6/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/11/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/24/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/27/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/17/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/18/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/19/1997	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	11/14/2003	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/2/2012	20	-0.17	0.0037	0.5099	11430	96.8562%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/18/2006	19.9	-0.27	0.0037	0.5096	11443	96.9664%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/17/2012	19.9	-0.27	0.0037	0.5096	11443	96.9664%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/20/2021	19.9	-0.27	0.0037	0.5096	11443	96.9664%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	7/26/2005	19.8	-0.37	0.0037	0.5092	11446	96.9918%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/18/2005	19.7	-0.47	0.0037	0.5088	11447	97.0003%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	2/15/2006	19.7	-0.47	0.0037	0.5088	11447	97.0003%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/18/2021	19.7	-0.47	0.0037	0.5088	11447	97.0003%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/27/2005	19.6	-0.57	0.0037	0.5085	11450	97.0257%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/24/2006	19.6	-0.57	0.0037	0.5085	11450	97.0257%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/2/2006	19.6	-0.57	0.0037	0.5085	11450	97.0257%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	11/15/2003	19.5	-0.67	0.0037	0.5081	11453	97.0511%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	11/17/2003	19.5	-0.67	0.0037	0.5081	11453	97.0511%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/18/2005	19.5	-0.67	0.0037	0.5081	11453	97.0511%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/1/2012	19.5	-0.67	0.0037	0.5081	11453	97.0511%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/19/2021	19.5	-0.67	0.0037	0.5081	11453	97.0511%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/23/2003	19.4	-0.77	0.0037	0.5077	11458	97.0935%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/3/2012	19.4	-0.77	0.0037	0.5077	11458	97.0935%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/3/2006	19.3	-0.87	0.0037	0.5074	11460	97.1104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/22/2003	19.2	-0.97	0.0037	0.5070	11461	97.1189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/30/2003	19.2	-0.97	0.0037	0.5070	11461	97.1189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/17/2006	19.2	-0.97	0.0037	0.5070	11461	97.1189%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/19/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/23/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/31/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/8/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/27/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/28/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/3/1991	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/22/1992	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/23/1992	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/24/1992	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/13/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/22/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/26/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/12/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/20/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/22/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/23/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/24/1997	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/9/2005	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/10/2005	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/11/2005	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/12/2005	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/13/2005	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	2/17/2006	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/21/2012	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/30/2012	19	-1.17	0.0037	0.5063	11464	97.1443%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/23/2006	18.9	-1.27	0.0037	0.5059	11490	97.3646%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/22/2012	18.9	-1.27	0.0037	0.5059	11490	97.3646%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/23/2012	18.8	-1.37	0.0037	0.5055	11492	97.3816%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	7/17/2005	18.7	-1.47	0.0037	0.5052	11493	97.3901%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/17/2012	18.7	-1.47	0.0037	0.5052	11493	97.3901%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/18/2012	18.7	-1.47	0.0037	0.5052	11493	97.3901%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/26/2012	18.7	-1.47	0.0037	0.5052	11493	97.3901%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/2/2003	18.6	-1.57	0.0037	0.5048	11497	97.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	3/8/2006	18.6	-1.57	0.0037	0.5048	11497	97.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/29/2012	18.6	-1.57	0.0037	0.5048	11497	97.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/24/2018	18.6	-1.57	0.0037	0.5048	11497	97.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/16/2021	18.6	-1.57	0.0037	0.5048	11497	97.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/28/2003	18.5	-1.67	0.0037	0.5044	11502	97.4663%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/30/2003	18.5	-1.67	0.0037	0.5044	11502	97.4663%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	7/30/2005	18.5	-1.67	0.0037	0.5044	11502	97.4663%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	2/16/2006	18.5	-1.67	0.0037	0.5044	11502	97.4663%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/30/2012	18.5	-1.67	0.0037	0.5044	11502	97.4663%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/17/2003	18.4	-1.77	0.0037	0.5040	11507	97.5087%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/25/2005	18.4	-1.77	0.0037	0.5040	11507	97.5087%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/18/2003	18.3	-1.87	0.0037	0.5037	11509	97.5256%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/25/2005	18.3	-1.87	0.0037	0.5037	11509	97.5256%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	12/17/2005	18.3	-1.87	0.0037	0.5037	11509	97.5256%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	2/14/2006	18.3	-1.87	0.0037	0.5037	11509	97.5256%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/10/2003	18.2	-1.97	0.0037	0.5033	11513	97.5595%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/14/2003	18.2	-1.97	0.0037	0.5033	11513	97.5595%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	2/12/2006	18.2	-1.97	0.0037	0.5033	11513	97.5595%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	10/26/2003	18.1	-2.07	0.0037	0.5029	11516	97.5850%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/21/2012	18.1	-2.07	0.0037	0.5029	11516	97.5850%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	9/8/2012	18.1	-2.07	0.0037	0.5029	11516	97.5850%	Phosphorus, Total		mg/L	0.83	1.11	-	2.3	3.0
USGS	5439500	8/2/1991	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/4/1991	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/16/1991	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/29/1991	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/9/1991	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/12/1997	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/16/1997	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/28/1997	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/29/1997	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/1/1997	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/7/2005	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/14/2005	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/15/2005	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/16/2005	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/18/2005	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	2/18/2006	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/28/2018	18	-2.17	0.0037	0.5026	11519	97.6104%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/27/2012	17.9	-2.27	0.0037	0.5022	11536	97.7544%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/5/2003	17.8	-2.37	0.0037	0.5018	11537	97.7629%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	1/6/2006	17.8	-2.37	0.0037	0.5018	11537	97.7629%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/23/2003	17.7	-2.47	0.0037	0.5015	11539	97.7798%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	1/1/2006	17.7	-2.47	0.0037	0.5015	11539	97.7798%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/28/2012	17.7	-2.47	0.0037	0.5015	11539	97.7798%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/31/2003	17.6	-2.57	0.0037	0.5011	11542	97.8053%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/1/2003	17.5	-2.67	0.0037	0.5007	11543	97.8137%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/31/2005	17.5	-2.67	0.0037	0.5007	11543	97.8137%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/17/2021	17.5	-2.67	0.0037	0.5007	11543	97.8137%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/11/2003	17.4	-2.77	0.0037	0.5004	11546	97.8392%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/29/2003	17.3	-2.87	0.0037	0.5000	11547	97.8476%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/25/2003	17.3	-2.87	0.0037	0.5000	11547	97.8476%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/30/2005	17.3	-2.87	0.0037	0.5000	11547	97.8476%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/24/2006	17.3	-2.87	0.0037	0.5000	11547	97.8476%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/22/2012	17.2	-2.97	0.0037	0.4996	11551	97.8815%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/12/2003	17.1	-3.07	0.0037	0.4992	11552	97.8900%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/14/2012	17.1	-3.07	0.0037	0.4992	11552	97.8900%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/20/1991	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/25/1991	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/30/1991	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/1/1991	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/7/1992	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/8/1992	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/14/1997	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/15/1997	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/3/1997	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/10/1997	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/21/1997	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/31/2003	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/2/2003	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/19/2005	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/20/2005	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	2/19/2006	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/15/2012	17	-3.17	0.0037	0.4989	11554	97.9070%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/9/2003	16.9	-3.27	0.0037	0.4985	11571	98.0510%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/23/2012	16.9	-3.27	0.0037	0.4985	11571	98.0510%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/25/2003	16.8	-3.37	0.0037	0.4981	11573	98.0680%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/27/2003	16.8	-3.37	0.0037	0.4981	11573	98.0680%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/3/2003	16.8	-3.37	0.0037	0.4981	11573	98.0680%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/19/2003	16.8	-3.37	0.0037	0.4981	11573	98.0680%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/12/2003	16.7	-3.47	0.0037	0.4978	11577	98.1019%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/30/2003	16.7	-3.47	0.0037	0.4978	11577	98.1019%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/26/2005	16.7	-3.47	0.0037	0.4978	11577	98.1019%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/10/2012	16.7	-3.47	0.0037	0.4978	11577	98.1019%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/11/2012	16.7	-3.47	0.0037	0.4978	11577	98.1019%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/8/2003	16.6	-3.57	0.0037	0.4974	11582	98.1442%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/26/2006	16.6	-3.57	0.0037	0.4974	11582	98.1442%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/9/2006	16.5	-3.67	0.0037	0.4970	11584	98.1612%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/29/2012	16.5	-3.67	0.0037	0.4970	11584	98.1612%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/6/2003	16.4	-3.77	0.0037	0.4967	11586	98.1781%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/16/2005	16.4	-3.77	0.0037	0.4967	11586	98.1781%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/6/2005	16.3	-3.87	0.0037	0.4963	11588	98.1951%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/18/2003	16.2	-3.97	0.0037	0.4959	11589	98.2035%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	7/31/2005	16.2	-3.97	0.0037	0.4959	11589	98.2035%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/9/2005	16.2	-3.97	0.0037	0.4959	11589	98.2035%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/1/2003	16.1	-4.07	0.0037	0.4956	11592	98.2290%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/5/2012	16.1	-4.07	0.0037	0.4956	11592	98.2290%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/21/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/22/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/27/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/1/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/30/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/2/1991	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/2/1997	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/4/1997	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/5/1997	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/6/1997	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/7/1997	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/26/2003	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/1/2003	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	7/18/2005	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	7/21/2005	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/28/2005	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/21/2005	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	12/29/2005	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	2/20/2006	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	2/21/2006	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	11/25/2006	16	-4.17	0.0037	0.4952	11594	98.2459%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/28/2005	15.9	-4.27	0.0037	0.4948	11615	98.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	8/24/2012	15.9	-4.27	0.0037	0.4948	11615	98.4239%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	9/22/2003	15.8	-4.37	0.0037	0.4944	11617	98.4408%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	3.0
USGS	5439500	10/4/2003	15.6	-4.57	0.0037	0.4937	11618	98.4493%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/20/2003	15.6	-4.57	0.0037	0.4937	11618	98.4493%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/29/2005	15.6	-4.57	0.0037	0.4937	11618	98.4493%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/24/2003	15.5	-4.67	0.0037	0.4933	11621	98.4747%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/27/2005	15.5	-4.67	0.0037	0.4933	11621	98.4747%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/23/2003	15.4	-4.77	0.0037	0.4930	11623	98.4917%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/26/2005	15.4	-4.77	0.0037	0.4930	11623	98.4917%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/13/2012	15.4	-4.77	0.0037	0.4930	11623	98.4917%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/5/2005	15.3	-4.87	0.0037	0.4926	11626	98.5171%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/27/2006	15.3	-4.87	0.0037	0.4926	11626	98.5171%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/26/2012	15.3	-4.87	0.0037	0.4926	11626	98.5171%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/12/2012	15.3	-4.87	0.0037	0.4926	11626	98.5171%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/1/2005	15.2	-4.97	0.0037	0.4922	11630	98.5510%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/24/1991	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/26/1991	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/30/1997	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/8/1997	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/6/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/22/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/23/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/24/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/25/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/26/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	12/27/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/28/2005	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	1/28/2006	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/22/2006	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/23/2006	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/27/2012	15	-5.17	0.0037	0.4915	11631	98.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/28/2012	14.8	-5.37	0.0037	0.4908	11647	98.6950%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/7/2003	14.7	-5.47	0.0037	0.4904	11648	98.7035%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/27/2005	14.7	-5.47	0.0037	0.4904	11648	98.7035%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/19/2003	14.6	-5.57	0.0037	0.4900	11650	98.7204%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/7/2003	14.6	-5.57	0.0037	0.4900	11650	98.7204%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/10/2003	14.5	-5.67	0.0037	0.4897	11652	98.7374%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/11/2003	14.5	-5.67	0.0037	0.4897	11652	98.7374%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/6/2005	14.4	-5.77	0.0037	0.4893	11654	98.7543%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/30/2005	14.3	-5.87	0.0037	0.4889	11655	98.7628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/13/2006	14.3	-5.87	0.0037	0.4889	11655	98.7628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/8/2003	14.2	-5.97	0.0037	0.4885	11657	98.7798%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/25/2012	14.2	-5.97	0.0037	0.4885	11657	98.7798%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/5/2003	14.1	-6.07	0.0037	0.4882	11659	98.7967%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/6/2003	14.1	-6.07	0.0037	0.4882	11659	98.7967%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/22/2005	14.1	-6.07	0.0037	0.4882	11659	98.7967%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/4/2012	14.1	-6.07	0.0037	0.4882	11659	98.7967%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/28/1991	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/2/1991	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	7/20/2005	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/1/2005	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	1/27/2006	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/24/2006	14	-6.17	0.0037	0.4878	11663	98.8306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/1/2005	13.8	-6.37	0.0037	0.4871	11669	98.8815%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/4/2005	13.8	-6.37	0.0037	0.4871	11669	98.8815%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/28/2005	13.7	-6.47	0.0037	0.4867	11671	98.8984%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/3/2012	13.7	-6.47	0.0037	0.4867	11671	98.8984%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/19/2005	13.6	-6.57	0.0037	0.4863	11673	98.9153%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/15/2005	13.6	-6.57	0.0037	0.4863	11673	98.9153%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	3/7/2006	13.6	-6.57	0.0037	0.4863	11673	98.9153%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/13/2003	13.5	-6.67	0.0037	0.4860	11676	98.9408%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/17/2005	13.5	-6.67	0.0037	0.4860	11676	98.9408%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/21/2005	13.5	-6.67	0.0037	0.4860	11676	98.9408%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/16/2005	13.4	-6.77	0.0037	0.4856	11679	98.9662%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/17/2005	13.4	-6.77	0.0037	0.4856	11679	98.9662%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/17/2005	13.3	-6.87	0.0037	0.4852	11681	98.9831%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/7/2005	13.3	-6.87	0.0037	0.4852	11681	98.9831%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/24/2005	13.3	-6.87	0.0037	0.4852	11681	98.9831%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/29/2005	13.2	-6.97	0.0037	0.4849	11684	99.0086%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/14/2005	13.2	-6.97	0.0037	0.4849	11684	99.0086%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/10/2005	13.2	-6.97	0.0037	0.4849	11684	99.0086%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/14/2005	13.2	-6.97	0.0037	0.4849	11684	99.0086%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/20/2003	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/25/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/26/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/27/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	2/28/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	3/1/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	3/2/2006	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/2/2012	13	-7.17	0.0037	0.4841	11688	99.0425%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/24/2005	12.9	-7.27	0.0037	0.4837	11696	99.1102%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/2/2005	12.9	-7.27	0.0037	0.4837	11696	99.1102%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/28/2005	12.9	-7.27	0.0037	0.4837	11696	99.1102%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	1/7/2006	12.8	-7.37	0.0037	0.4834	11699	99.1357%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/5/2005	12.7	-7.47	0.0037	0.4830	11700	99.1441%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/9/2003	12.5	-7.67	0.0037	0.4823	11701	99.1526%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/2/2005	12.5	-7.67	0.0037	0.4823	11701	99.1526%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/23/2005	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/3/2005	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/4/2005	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/15/2005	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/13/2005	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	3/6/2006	12.4	-7.77	0.0037	0.4819	11703	99.1696%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/2/2005	12.3	-7.87	0.0037	0.4815	11709	99.2204%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	3/4/2006	12.2	-7.97	0.0037	0.4812	11710	99.2289%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/30/2012	12.2	-7.97	0.0037	0.4812	11710	99.2289%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	9/1/2012	12.2	-7.97	0.0037	0.4812	11710	99.2289%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	11/3/2005	12.1	-8.07	0.0037	0.4808	11713	99.2543%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/3/2005	12	-8.17	0.0037	0.4804	11714	99.2628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	8/4/2005	12	-8.17	0.0037	0.4804	11714	99.2628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	10/23/2005	12	-8.17	0.0037	0.4804	11714	99.2628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/5/2005	12	-8.17	0.0037	0.4804	11714	99.2628%	Phosphorus, Total		mg/L	0.83	1.11	-	2.2	2.9
USGS	5439500	12/3/2005	11.9	-8.27	0.0037	0.4801	11718	99.2967%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	9/21/2003	11.8	-8.37	0.0037	0.4797	11719	99.3051%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	10/8/2005	11.8	-8.37	0.0037	0.4797	11719	99.3051%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	11/18/2005	11.8	-8.37	0.0037	0.4797	11719	99.3051%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	8/31/2005	11.7	-8.47	0.0037	0.4793	11722	99.3306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	12/4/2005	11.7	-8.47	0.0037	0.4793	11722	99.3306%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	9/20/2005	11.6	-8.57	0.0037	0.4790	11724	99.3475%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	3/3/2006	11.6	-8.57	0.0037	0.4790	11724	99.3475%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	3/5/2006	11.6	-8.57	0.0037	0.4790	11724	99.3475%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	9/16/2005	11.5	-8.67	0.0037	0.4786	11727	99.3729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	10/9/2005	11.5	-8.67	0.0037	0.4786	11727	99.3729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	10/13/2005	11.5	-8.67	0.0037	0.4786	11727	99.3729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	11/11/2005	11.5	-8.67	0.0037	0.4786	11727	99.3729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	11/23/2005	11.5	-8.67	0.0037	0.4786	11727	99.3729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	8/11/2005	11.3	-8.87	0.0037	0.4778	11732	99.4153%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.9
USGS	5439500	11/19/2005	11.2	-8.97	0.0037	0.4775	11733	99.4238%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/20/2005	11.2	-8.97	0.0037	0.4775	11733	99.4238%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/31/2012	11.2	-8.97	0.0037	0.4775	11733	99.4238%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/29/2005	11.1	-9.07	0.0037	0.4771	11736	99.4492%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	7/19/2005	11	-9.17	0.0037	0.4767	11737	99.4577%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/8/2006	11	-9.17	0.0037	0.4767	11737	99.4577%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/31/2005	10.9	-9.27	0.0037	0.4764	11739	99.4746%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/12/2005	10.9	-9.27	0.0037	0.4764	11739	99.4746%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/25/2005	10.8	-9.37	0.0037	0.4760	11741	99.4916%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/30/2005	10.7	-9.47	0.0037	0.4756	11742	99.5000%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/30/2005	10.7	-9.47	0.0037	0.4756	11742	99.5000%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/1/2005	10.6	-9.57	0.0037	0.4753	11744	99.5170%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/2/2005	10.2	-9.97	0.0037	0.4738	11745	99.5255%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/21/2005	10.2	-9.97	0.0037	0.4738	11745	99.5255%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/7/2005	10.1	-10.07	0.0037	0.4734	11747	99.5424%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/22/2005	10.1	-10.07	0.0037	0.4734	11747	99.5424%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/10/2005	10	-10.17	0.0037	0.4730	11749	99.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/24/2005	10	-10.17	0.0037	0.4730	11749	99.5594%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/5/2005	9.96	-10.21	0.0037	0.4729	11751	99.5763%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/17/2005	9.95	-10.22	0.0037	0.4729	11752	99.5848%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/12/2005	9.8	-10.37	0.0037	0.4723	11753	99.5933%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	12/2/2005	9.8	-10.37	0.0037	0.4723	11753	99.5933%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/21/2005	9.79	-10.38	0.0037	0.4723	11755	99.6102%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/6/2005	9.78	-10.39	0.0037	0.4722	11756	99.6187%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/3/2005	9.74	-10.43	0.0037	0.4721	11757	99.6272%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/7/2005	9.7	-10.47	0.0037	0.4719	11758	99.6356%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/1/2005	9.62	-10.55	0.0037	0.4716	11759	99.6441%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/8/2005	9.28	-10.89	0.0037	0.4704	11760	99.6526%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8

Gage ID	Date	Discharge (CFS)	Discharge (CFS)	Gage Discharge - NPDES Correction (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	25% reduction	Current Avg Conc (mg/L)	Actual Load (lbs/day)	25% Load Reduction (lbs/day)	Current Avg Load (lbs/day)
USGS	5439500	8/10/2005	9.16	-11.01	0.0037	0.4699	11761	99.6610%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/27/2005	9.15	-11.02	0.0037	0.4699	11762	99.6695%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/8/2005	9.13	-11.04	0.0037	0.4698	11763	99.6780%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/16/2005	9.12	-11.05	0.0037	0.4698	11764	99.6865%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/14/2005	9.1	-11.07	0.0037	0.4697	11765	99.6949%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/18/2005	9.05	-11.12	0.0037	0.4695	11766	99.7034%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/9/2006	9	-11.17	0.0037	0.4694	11767	99.7119%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/22/2005	8.94	-11.23	0.0037	0.4691	11768	99.7204%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/10/2005	8.88	-11.29	0.0037	0.4689	11769	99.7288%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/25/2005	8.8	-11.37	0.0037	0.4686	11770	99.7373%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/11/2005	8.57	-11.60	0.0037	0.4678	11771	99.7458%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/9/2005	8.53	-11.64	0.0037	0.4676	11772	99.7543%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/26/2006	8.49	-11.68	0.0037	0.4675	11773	99.7627%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/20/2005	8.37	-11.80	0.0037	0.4670	11774	99.7712%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/10/2006	8.2	-11.97	0.0037	0.4664	11775	99.7797%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/25/2006	8.2	-11.97	0.0037	0.4664	11775	99.7797%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	10/19/2005	8.12	-12.05	0.0037	0.4661	11777	99.7966%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/24/2006	8.1	-12.07	0.0037	0.4660	11778	99.8051%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/4/2005	8.07	-12.10	0.0037	0.4659	11779	99.8136%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/15/2005	8.06	-12.11	0.0037	0.4659	11780	99.8220%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/21/2006	8.05	-12.12	0.0037	0.4658	11781	99.8305%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	11/26/2005	8	-12.17	0.0037	0.4657	11782	99.8390%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/11/2006	8	-12.17	0.0037	0.4657	11782	99.8390%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/22/2006	8	-12.17	0.0037	0.4657	11782	99.8390%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/23/2006	8	-12.17	0.0037	0.4657	11782	99.8390%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/18/2006	7.9	-12.27	0.0037	0.4653	11786	99.8729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/19/2006	7.9	-12.27	0.0037	0.4653	11786	99.8729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/20/2006	7.9	-12.27	0.0037	0.4653	11786	99.8729%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	8/9/2005	7.89	-12.28	0.0037	0.4653	11789	99.8983%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/12/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/13/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/14/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/15/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/16/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	1/17/2006	7.8	-12.37	0.0037	0.4649	11790	99.9068%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/6/2005	7.59	-12.58	0.0037	0.4642	11796	99.9576%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/13/2005	7.07	-13.10	0.0037	0.4622	11797	99.9661%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/12/2005	7.05	-13.12	0.0037	0.4622	11798	99.9746%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/5/2005	6.68	-13.49	0.0037	0.4608	11799	99.9831%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.8
USGS	5439500	9/11/2005	6.34	-13.83	0.0037	0.4595	11800	99.9915%	Phosphorus, Total		mg/L	0.83	1.11	-	2.1	2.7

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/18/1996	14600	14620.17	0.5073	7424.82	1	0.0170%	Fecal		CFU/100 mL	200	-	36,334,829.3
5439500	7/19/1996	9270	9290.17	0.5073	4720.93	2	0.0340%	Fecal		CFU/100 mL	200	-	23,102,784.1
5439500	7/24/2010	8420	8440.17	0.5073	4289.72	3	0.0510%	Fecal		CFU/100 mL	200	-	20,992,608.1
5439500	8/24/2007	7180	7200.17	0.5073	3660.68	4	0.0680%	Fecal		CFU/100 mL	200	-	17,914,233.6
5439500	6/4/2002	7040	7060.17	0.5073	3589.65	5	0.0849%	Fecal		CFU/100 mL	200	-	17,566,675.2
5439500	7/20/1996	6660	6680.17	0.5073	3396.88	6	0.1019%	Fecal		CFU/100 mL	200	-	16,623,302.3
5439500	6/9/1993	6530	6550.17	0.5073	3330.93	7	0.1189%	Fecal		CFU/100 mL	200	-	16,300,569.5
5439500	7/25/2010	6320	6340.17	0.5073	3224.40	8	0.1359%	Fecal		CFU/100 mL	200	-	15,779,231.9
5439500	8/26/2007	6180	6200.17	0.5073	3153.38	9	0.1529%	Fecal		CFU/100 mL	200	-	15,431,673.5
5439500	6/13/1999	6120	6140.17	0.5073	3122.94	10	0.1699%	Fecal		CFU/100 mL	200	-	15,282,719.9
5439500	6/5/2002	6030	6050.17	0.5073	3077.28	11	0.1869%	Fecal		CFU/100 mL	200	-	15,059,289.5
5439500	6/14/1999	5910	5930.17	0.5073	3016.41	12	0.2039%	Fecal		CFU/100 mL	200	-	14,761,382.3
5439500	5/17/2020	5880	5900.17	0.5073	3001.19	13	0.2209%	Fecal		CFU/100 mL	200	-	14,686,905.5
5439500	8/25/2007	5760	5780.17	0.5073	2940.31	14	0.2379%	Fecal		CFU/100 mL	200	-	14,388,998.3
5439500	5/15/2020	5620	5640.17	0.5073	2869.29	15	0.2548%	Fecal		CFU/100 mL	200	-	14,041,439.9
5439500	5/18/2020	5580	5600.17	0.5073	2849.00	16	0.2718%	Fecal		CFU/100 mL	200	-	13,942,137.5
5439500	8/27/2007	5440	5460.17	0.5073	2777.98	17	0.2888%	Fecal		CFU/100 mL	200	-	13,594,579.1
5439500	7/21/1996	5180	5200.17	0.5073	2646.08	18	0.3058%	Fecal		CFU/100 mL	200	-	12,949,113.4
5439500	8/7/1996	4860	4880.17	0.5073	2483.75	19	0.3228%	Fecal		CFU/100 mL	200	-	12,154,694.2
5439500	5/29/1996	4610	4630.17	0.5073	2356.92	20	0.3398%	Fecal		CFU/100 mL	200	-	11,534,054.2
5439500	5/23/2004	4390	4410.17	0.5073	2245.32	21	0.3568%	Fecal		CFU/100 mL	200	-	10,987,891.0
5439500	5/16/2020	4370	4390.17	0.5073	2235.17	22	0.3738%	Fecal		CFU/100 mL	200	-	10,938,239.8
5439500	9/17/2008	4360	4380.17	0.5073	2230.10	23	0.3908%	Fecal		CFU/100 mL	200	-	10,913,414.2
5439500	8/28/2007	4350	4370.17	0.5073	2225.02	24	0.4077%	Fecal		CFU/100 mL	200	-	10,888,588.6
5439500	6/6/2002	4320	4340.17	0.5073	2209.80	25	0.4247%	Fecal		CFU/100 mL	200	-	10,814,111.8
5439500	5/19/2020	4320	4340.17	0.5073	2209.80	25	0.4247%	Fecal		CFU/100 mL	200	-	10,814,111.8
5439500	5/13/2010	4300	4320.17	0.5073	2199.66	27	0.4587%	Fecal		CFU/100 mL	200	-	10,764,460.6
5439500	8/20/2007	4190	4210.17	0.5073	2143.86	28	0.4757%	Fecal		CFU/100 mL	200	-	10,491,379.0
5439500	6/10/1993	4180	4200.17	0.5073	2138.78	29	0.4927%	Fecal		CFU/100 mL	200	-	10,466,553.4
5439500	7/22/2017	4180	4200.17	0.5073	2138.78	29	0.4927%	Fecal		CFU/100 mL	200	-	10,466,553.4
5439500	5/28/1996	4050	4070.17	0.5073	2072.83	31	0.5267%	Fecal		CFU/100 mL	200	-	10,143,820.6
5439500	8/6/1996	4040	4060.17	0.5073	2067.76	32	0.5437%	Fecal		CFU/100 mL	200	-	10,118,995.0
5439500	6/16/2015	3960	3980.17	0.5073	2027.18	33	0.5607%	Fecal		CFU/100 mL	200	-	9,920,390.1
5439500	7/20/1993	3900	3920.17	0.5073	1996.74	34	0.5776%	Fecal		CFU/100 mL	200	-	9,771,436.5
5439500	5/20/2020	3860	3880.17	0.5073	1976.45	35	0.5946%	Fecal		CFU/100 mL	200	-	9,672,134.1
5439500	7/26/2010	3840	3860.17	0.5073	1966.30	36	0.6116%	Fecal		CFU/100 mL	200	-	9,622,482.9
5439500	6/1/2004	3780	3800.17	0.5073	1935.86	37	0.6286%	Fecal		CFU/100 mL	200	-	9,473,529.3
5439500	9/18/2008	3770	3790.17	0.5073	1930.79	38	0.6456%	Fecal		CFU/100 mL	200	-	9,448,703.7
5439500	9/16/2008	3760	3780.17	0.5073	1925.72	39	0.6626%	Fecal		CFU/100 mL	200	-	9,423,878.1
5439500	6/15/1999	3750	3770.17	0.5073	1920.64	40	0.6796%	Fecal		CFU/100 mL	200	-	9,399,052.5
5439500	5/24/2004	3740	3760.17	0.5073	1915.57	41	0.6966%	Fecal		CFU/100 mL	200	-	9,374,226.9
5439500	7/22/1996	3680	3700.17	0.5073	1885.13	42	0.7136%	Fecal		CFU/100 mL	200	-	9,225,273.3
5439500	5/3/2019	3630	3650.17	0.5073	1859.77	43	0.7305%	Fecal		CFU/100 mL	200	-	9,101,145.3
5439500	5/1/2019	3610	3630.17	0.5073	1849.62	44	0.7475%	Fecal		CFU/100 mL	200	-	9,051,494.1
5439500	5/30/1996	3590	3610.17	0.5073	1839.48	45	0.7645%	Fecal		CFU/100 mL	200	-	9,001,842.9
5439500	5/14/2010	3590	3610.17	0.5073	1839.48	45	0.7645%	Fecal		CFU/100 mL	200	-	9,001,842.9
5439500	6/2/2004	3570	3590.17	0.5073	1829.33	47	0.7985%	Fecal		CFU/100 mL	200	-	8,952,191.7
5439500	8/23/2007	3550	3570.17	0.5073	1819.19	48	0.8155%	Fecal		CFU/100 mL	200	-	8,902,540.5
5439500	5/2/2019	3540	3560.17	0.5073	1814.11	49	0.8325%	Fecal		CFU/100 mL	200	-	8,877,714.9
5439500	6/7/2002	3530	3550.17	0.5073	1809.04	50	0.8495%	Fecal		CFU/100 mL	200	-	8,852,889.3
5439500	6/18/2015	3510	3530.17	0.5073	1798.89	51	0.8665%	Fecal		CFU/100 mL	200	-	8,803,238.1
5439500	6/19/2015	3460	3480.17	0.5073	1773.53	52	0.8835%	Fecal		CFU/100 mL	200	-	8,679,110.1
5439500	6/12/2004	3450	3470.17	0.5073	1768.46	53	0.9004%	Fecal		CFU/100 mL	200	-	8,654,284.5
5439500	5/21/1996	3430	3450.17	0.5073	1758.31	54	0.9174%	Fecal		CFU/100 mL	200	-	8,604,633.3
5439500	5/31/2004	3390	3410.17	0.5073	1738.02	55	0.9344%	Fecal		CFU/100 mL	200	-	8,505,330.9
5439500	8/29/2007	3330	3350.17	0.5073	1707.58	56	0.9514%	Fecal		CFU/100 mL	200	-	8,356,377.3
5439500	8/8/1996	3320	3340.17	0.5073	1702.51	57	0.9684%	Fecal		CFU/100 mL	200	-	8,331,551.7
5439500	7/19/1993	3300	3320.17	0.5073	1692.36	58	0.9854%	Fecal		CFU/100 mL	200	-	8,281,900.5
5439500	7/1/2014	3300	3320.17	0.5073	1692.36	58	0.9854%	Fecal		CFU/100 mL	200	-	8,281,900.5
5439500	7/23/2017	3220	3240.17	0.5073	1651.78	60	1.0194%	Fecal		CFU/100 mL	200	-	8,083,295.7
5439500	5/20/1996	3190	3210.17	0.5073	1636.56	61	1.0364%	Fecal		CFU/100 mL	200	-	8,008,818.9
5439500	8/21/2007	3180	3200.17	0.5073	1631.49	62	1.0533%	Fecal		CFU/100 mL	200	-	7,983,993.3
5439500	5/15/2010	3180	3200.17	0.5073	1631.49	62	1.0533%	Fecal		CFU/100 mL	200	-	7,983,993.3
5439500	6/17/2015	3160	3180.17	0.5073	1621.34	64	1.0873%	Fecal		CFU/100 mL	200	-	7,934,342.1
5439500	9/15/2008	3150	3170.17	0.5073	1616.27	65	1.1043%	Fecal		CFU/100 mL	200	-	7,909,516.5
5439500	6/20/2015	3150	3170.17	0.5073	1616.27	65	1.1043%	Fecal		CFU/100 mL	200	-	7,909,516.5
5439500	5/4/2019	3140	3160.17	0.5073	1611.19	67	1.1383%	Fecal		CFU/100 mL	200	-	7,884,690.9
5439500	7/20/2017	3120	3140.17	0.5073	1601.05	68	1.1553%	Fecal		CFU/100 mL	200	-	7,835,039.7
5439500	7/21/1993	3100	3120.17	0.5073	1590.90	69	1.1723%	Fecal		CFU/100 mL	200	-	7,785,388.5
5439500	6/1/2011	3020	3040.17	0.5073	1550.32	70	1.1893%	Fecal		CFU/100 mL	200	-	7,586,783.7
5439500	5/24/2020	3020	3040.17	0.5073	1550.32	70	1.1893%	Fecal		CFU/100 mL	200	-	7,586,783.7
5439500	5/25/2004	3000	3020.17	0.5073	1540.17	72	1.2232%	Fecal		CFU/100 mL	200	-	7,537,132.5
5439500	9/19/2008	2960	2980.17	0.5073	1519.88	73	1.2402%	Fecal		CFU/100 mL	200	-	7,437,830.1
5439500	6/11/1993	2930	2950.17	0.5073	1504.66	74	1.2572%	Fecal		CFU/100 mL	200	-	7,363,353.3
5439500	5/31/1996	2920	2940.17	0.5073	1499.59	75	1.2742%	Fecal		CFU/100 mL	200	-	7,338,527.7
5439500	5/28/1991	2910	2930.17	0.5073	1494.51	76	1.2912%	Fecal		CFU/100 mL	200	-	7,313,702.1
5439500	6/21/1993	2900	2920.17	0.5073	1489.44	77	1.3082%	Fecal		CFU/100 mL	200	-	7,288,876.5
5439500	6/3/2004	2900	2920.17	0.5073	1489.44	77	1.3082%	Fecal		CFU/100 mL	200	-	7,288,876.5
5439500	6/19/1993	2880	2900.17	0.5073	1479.30	79	1.3422%	Fecal		CFU/100 mL	200	-	7,239,225.3
5439500	5/30/2011	2880	2900.17	0.5073	1479.30	79	1.3422%	Fecal		CFU/100 mL	200	-	7,239,225.3
5439500	5/14/2016	2880	2900.17	0.5073	1479.30	79	1.3422%	Fecal		CFU/100 mL	200	-	7,239,225.3
5439500	5/27/1991	2870	2890.17	0.5073	1474.22	82	1.3931%	Fecal		CFU/100 mL	200	-	7,214,399.7
5439500	5/16/2010	2870	2890.17	0.5073	1474.22	82	1.3931%	Fecal		CFU/100 mL	200	-	7,214,399.7
5439500	9/14/2008	2850	2870.17	0.5073	1464.08	84	1.4271%	Fecal		CFU/100 mL	200	-	7,164,748.5
5439500	5/1/2017	2840	2860.17	0.5073	1459.00	85	1.4441%	Fecal		CFU/100 mL	200	-	7,139,922.9
5439500	5/25/1997	2830	2850.17	0.5073	1453.93	86	1.4611%	Fecal		CFU/100 mL	200	-	7,115,097.3
5439500	5/22/2004	2810	2830.17	0.5073	1443.79	87	1.4781%	Fecal		CFU/100 mL	200	-	7,065,446.1
5439500	5/2/2017	2780	2800.17	0.5073	1428.57	88	1.4951%	Fecal		CFU/100 mL	200	-	6,990,969.3
5439500	5/31/2011	2770	2790.17	0.5073	1423.49	89	1.5121%	Fecal		CFU/100 mL	200	-	6,966,143.7
5439500	6/8/2002	2760	2780.17	0.5073	1418.42	90	1.5291%	Fecal		CFU/100 mL	200	-	6,941,318.1
5439500	6/20/2009	2760	2780.17	0.5073	1418.42	90	1.5291%	Fecal		CFU/100 mL	200	-	6,941,318.1
5439500	5/11/2017	2710	2730.17	0.5073	1393.06	92	1.5630%	Fecal		CFU/100 mL	200	-	6,817,190.1
5439500	6/22/1993	2700	2720.17	0.5073	1387.98	93	1.5800%	Fecal		CFU/100 mL	200	-	6,792,364.5
5439500	7/23/1996	2700	2720.17	0.5073	1387.98	93	1.5800%	Fecal		CFU/100 mL	200	-	6,792,364.5
5439500	6/22/2014	2690	2710.17	0.5073	1382.91	95	1.6140%	Fecal		CFU/100 mL	200	-	6,767,538.9
5439500	5/21/2020	2690	2710.17	0.5073	1382.91	95	1.6140%	Fecal		CFU/100 mL	200	-	6,767,538.9
5439500	6/20/1993	2660	2680.17	0.5073	1367.69	97	1.6480%	Fecal		CFU/100 mL	200	-	6,693,062.1
5439500	6/16/1999	2640	2660.17	0.5073	1357.54	98	1.6650%	Fecal		CFU/100 mL	200	-	6,643,410.9
5439500	6/29/2017	2640	2660.17	0.5073	1357.54	98	1.6650%	Fecal		CFU/100 mL	200	-	6,643,410.9
5439500	5/30/2019	2640	2660.17	0.5073	1357.54	98	1.6650%	Fecal		CFU/100 mL	200	-	6,643,410.9
5439500	8/7/2007	2620	2640.17	0.5073	1347.40	101	1.7159%	Fecal		CFU/100 mL	200	-	6,593,759.7
5439500	6/30/1993	2610	2630.17	0.5073	1342.33	102	1.7329%	Fecal		CFU/100 mL	200	-	6,568,934.1
5439500	6/26/2013	2600	2620.17	0.5073	1337.25	103	1.7499%	Fecal		CFU/100 mL	200	-	6,544,108.5
5439500	5/15/2016	2600	2620.17	0.5073	1337.25	103	1.7499%	Fecal		CFU/100 mL	200	-	6,544,108.5
5439500	6/28/2018	2600	2620.17	0.5073	1337.25	103	1.7499%	Fecal		CFU/100 mL	200	-	6,544,108.5
5439500	7/2/2014	2590	2610.17	0.5073	1332.18	106	1.8009%	Fecal		CFU/100 mL	200	-	6,519,282.9
5439500	6/15/2015	2550	2570.17	0.5073	1311.89	107	1.8179%	Fecal		CFU/100 mL	200	-	6,419,980.5
5439500	8/9/1996	2540	2560.17	0.5073	1306.81	108	1.8349%	Fecal		CFU/100 mL	200	-	6,395,154.8
5439500	6/14/2000	2540	2560.17	0.5073	1306.81	108	1.8349%	Fecal		CFU/100 mL	200	-	6,395,154.8
5439500	6/13/2004	2540	2560.17	0.5073	1306.81	108	1.8349%	Fecal		CFU/100 mL	200	-	6,395,154.8
5439500	5/9/1998	2530	2550.17	0.5073	1301.74	111	1.8858%	Fecal		CFU/100 mL	200	-	6,370,329.2
5439500	5/3/2017	2520	2540.17	0.5073	1296.67	112	1.9028%	Fecal		CFU/100 mL	200	-	6,345,503.6
5439500	10/31/2009	2510	2530.17	0.5073	1291.60	113	1.9198%	Fecal		CFU/100 mL	200	-	6,320,678.0

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	5/8/1998	2500	2520.17	0.5073	1286.52	114	1.9368%	Fecal		CFU/100 mL	200	-	6,295,852.4
5439500	6/21/2015	2470	2490.17	0.5073	1271.30	115	1.9538%	Fecal		CFU/100 mL	200	-	6,221,375.6
5439500	10/5/2019	2470	2490.17	0.5073	1271.30	115	1.9538%	Fecal		CFU/100 mL	200	-	6,221,375.6
5439500	7/24/2017	2450	2470.17	0.5073	1261.16	117	1.9878%	Fecal		CFU/100 mL	200	-	6,171,724.4
5439500	6/8/1993	2410	2430.17	0.5073	1240.87	118	2.0048%	Fecal		CFU/100 mL	200	-	6,072,422.0
5439500	7/3/2014	2400	2420.17	0.5073	1235.79	119	2.0217%	Fecal		CFU/100 mL	200	-	6,047,596.4
5439500	8/30/2007	2390	2410.17	0.5073	1230.72	120	2.0387%	Fecal		CFU/100 mL	200	-	6,022,770.8
5439500	5/25/1995	2380	2400.17	0.5073	1225.65	121	2.0557%	Fecal		CFU/100 mL	200	-	5,997,945.2
5439500	6/1/1996	2380	2400.17	0.5073	1225.65	121	2.0557%	Fecal		CFU/100 mL	200	-	5,997,945.2
5439500	6/23/2018	2380	2400.17	0.5073	1225.65	121	2.0557%	Fecal		CFU/100 mL	200	-	5,997,945.2
5439500	10/4/2019	2380	2400.17	0.5073	1225.65	121	2.0557%	Fecal		CFU/100 mL	200	-	5,997,945.2
5439500	6/11/2011	2370	2390.17	0.5073	1220.57	125	2.1237%	Fecal		CFU/100 mL	200	-	5,973,119.6
5439500	7/29/1996	2360	2380.17	0.5073	1215.50	126	2.1407%	Fecal		CFU/100 mL	200	-	5,948,294.0
5439500	6/15/2000	2360	2380.17	0.5073	1215.50	126	2.1407%	Fecal		CFU/100 mL	200	-	5,948,294.0
5439500	5/5/2019	2350	2370.17	0.5073	1210.43	128	2.1747%	Fecal		CFU/100 mL	200	-	5,923,468.4
5439500	5/10/1998	2340	2360.17	0.5073	1205.36	129	2.1916%	Fecal		CFU/100 mL	200	-	5,898,642.8
5439500	6/20/2014	2330	2350.17	0.5073	1200.28	130	2.2086%	Fecal		CFU/100 mL	200	-	5,873,817.2
5439500	8/22/2007	2310	2330.17	0.5073	1190.14	131	2.2256%	Fecal		CFU/100 mL	200	-	5,824,166.0
5439500	5/11/2019	2310	2330.17	0.5073	1190.14	131	2.2256%	Fecal		CFU/100 mL	200	-	5,824,166.0
5439500	5/10/1995	2280	2300.17	0.5073	1174.92	133	2.2596%	Fecal		CFU/100 mL	200	-	5,749,689.2
5439500	6/27/2018	2270	2290.17	0.5073	1169.84	134	2.2766%	Fecal		CFU/100 mL	200	-	5,724,863.6
5439500	7/1/1993	2260	2280.17	0.5073	1164.77	135	2.2936%	Fecal		CFU/100 mL	200	-	5,700,038.0
5439500	6/13/2000	2250	2270.17	0.5073	1159.70	136	2.3106%	Fecal		CFU/100 mL	200	-	5,675,212.4
5439500	6/22/2018	2250	2270.17	0.5073	1159.70	136	2.3106%	Fecal		CFU/100 mL	200	-	5,675,212.4
5439500	10/3/2019	2250	2270.17	0.5073	1159.70	136	2.3106%	Fecal		CFU/100 mL	200	-	5,675,212.4
5439500	5/24/1995	2230	2250.17	0.5073	1149.55	139	2.3615%	Fecal		CFU/100 mL	200	-	5,625,561.2
5439500	6/12/2011	2230	2250.17	0.5073	1149.55	139	2.3615%	Fecal		CFU/100 mL	200	-	5,625,561.2
5439500	6/2/1996	2220	2240.17	0.5073	1144.48	141	2.3955%	Fecal		CFU/100 mL	200	-	5,600,735.6
5439500	5/14/2002	2190	2210.17	0.5073	1129.26	142	2.4125%	Fecal		CFU/100 mL	200	-	5,526,258.8
5439500	5/31/2019	2190	2210.17	0.5073	1129.26	142	2.4125%	Fecal		CFU/100 mL	200	-	5,526,258.8
5439500	5/26/2004	2180	2200.17	0.5073	1124.19	144	2.4465%	Fecal		CFU/100 mL	200	-	5,501,433.2
5439500	8/19/2007	2180	2200.17	0.5073	1124.19	144	2.4465%	Fecal		CFU/100 mL	200	-	5,501,433.2
5439500	6/2/2011	2170	2190.17	0.5073	1119.11	146	2.4805%	Fecal		CFU/100 mL	200	-	5,476,607.6
5439500	6/16/1993	2140	2160.17	0.5073	1103.90	147	2.4975%	Fecal		CFU/100 mL	200	-	5,402,130.8
5439500	7/27/2010	2130	2150.17	0.5073	1098.82	148	2.5144%	Fecal		CFU/100 mL	200	-	5,377,305.2
5439500	5/12/2017	2130	2150.17	0.5073	1098.82	148	2.5144%	Fecal		CFU/100 mL	200	-	5,377,305.2
5439500	5/26/1995	2110	2130.17	0.5073	1088.68	150	2.5484%	Fecal		CFU/100 mL	200	-	5,327,654.0
5439500	6/10/2011	2100	2120.17	0.5073	1083.60	151	2.5654%	Fecal		CFU/100 mL	200	-	5,302,828.4
5439500	6/27/2013	2100	2120.17	0.5073	1083.60	151	2.5654%	Fecal		CFU/100 mL	200	-	5,302,828.4
5439500	7/21/2017	2100	2120.17	0.5073	1083.60	151	2.5654%	Fecal		CFU/100 mL	200	-	5,302,828.4
5439500	6/15/1993	2080	2100.17	0.5073	1073.46	154	2.6164%	Fecal		CFU/100 mL	200	-	5,253,177.2
5439500	6/24/2018	2080	2100.17	0.5073	1073.46	154	2.6164%	Fecal		CFU/100 mL	200	-	5,253,177.2
5439500	5/10/2019	2070	2090.17	0.5073	1068.39	156	2.6504%	Fecal		CFU/100 mL	200	-	5,228,351.6
5439500	6/29/2018	2060	2080.17	0.5073	1063.31	157	2.6673%	Fecal		CFU/100 mL	200	-	5,203,526.0
5439500	5/13/2002	2040	2060.17	0.5073	1053.17	158	2.6843%	Fecal		CFU/100 mL	200	-	5,153,874.8
5439500	6/23/1993	2030	2050.17	0.5073	1048.09	159	2.7013%	Fecal		CFU/100 mL	200	-	5,129,049.2
5439500	8/22/2002	2010	2030.17	0.5073	1037.95	160	2.7183%	Fecal		CFU/100 mL	200	-	5,079,398.0
5439500	7/4/2014	2010	2030.17	0.5073	1037.95	160	2.7183%	Fecal		CFU/100 mL	200	-	5,079,398.0
5439500	10/6/2019	2010	2030.17	0.5073	1037.95	160	2.7183%	Fecal		CFU/100 mL	200	-	5,079,398.0
5439500	10/24/2001	1990	2010.17	0.5073	1027.80	163	2.7693%	Fecal		CFU/100 mL	200	-	5,029,746.8
5439500	6/21/2014	1990	2010.17	0.5073	1027.80	163	2.7693%	Fecal		CFU/100 mL	200	-	5,029,746.8
5439500	5/25/1996	1980	2000.17	0.5073	1022.73	165	2.8033%	Fecal		CFU/100 mL	200	-	5,004,921.2
5439500	5/26/1991	1970	1990.17	0.5073	1017.66	166	2.8203%	Fecal		CFU/100 mL	200	-	4,980,095.6
5439500	6/26/1994	1970	1990.17	0.5073	1017.66	166	2.8203%	Fecal		CFU/100 mL	200	-	4,980,095.6
5439500	5/1/2009	1970	1990.17	0.5073	1017.66	166	2.8203%	Fecal		CFU/100 mL	200	-	4,980,095.6
5439500	6/18/1996	1960	1980.17	0.5073	1012.58	169	2.8712%	Fecal		CFU/100 mL	200	-	4,955,270.0
5439500	10/29/2019	1960	1980.17	0.5073	1012.58	169	2.8712%	Fecal		CFU/100 mL	200	-	4,955,270.0
5439500	5/28/1995	1940	1960.17	0.5073	1002.44	171	2.9052%	Fecal		CFU/100 mL	200	-	4,905,618.8
5439500	9/13/2019	1940	1960.17	0.5073	1002.44	171	2.9052%	Fecal		CFU/100 mL	200	-	4,905,618.8
5439500	6/3/1996	1930	1950.17	0.5073	997.36	173	2.9392%	Fecal		CFU/100 mL	200	-	4,880,793.2
5439500	5/15/2004	1930	1950.17	0.5073	997.36	173	2.9392%	Fecal		CFU/100 mL	200	-	4,880,793.2
5439500	9/29/1999	1920	1940.17	0.5073	992.29	175	2.9732%	Fecal		CFU/100 mL	200	-	4,855,967.6
5439500	10/28/2019	1920	1940.17	0.5073	992.29	175	2.9732%	Fecal		CFU/100 mL	200	-	4,855,967.6
5439500	5/29/1991	1910	1930.17	0.5073	987.22	177	3.0071%	Fecal		CFU/100 mL	200	-	4,831,142.0
5439500	6/23/2014	1910	1930.17	0.5073	987.22	177	3.0071%	Fecal		CFU/100 mL	200	-	4,831,142.0
5439500	6/4/2004	1900	1920.17	0.5073	982.14	179	3.0411%	Fecal		CFU/100 mL	200	-	4,806,316.4
5439500	6/14/2004	1900	1920.17	0.5073	982.14	179	3.0411%	Fecal		CFU/100 mL	200	-	4,806,316.4
5439500	5/13/2016	1900	1920.17	0.5073	982.14	179	3.0411%	Fecal		CFU/100 mL	200	-	4,806,316.4
5439500	6/16/2000	1890	1910.17	0.5073	977.07	182	3.0921%	Fecal		CFU/100 mL	200	-	4,781,490.8
5439500	5/17/2010	1880	1900.17	0.5073	972.00	183	3.1091%	Fecal		CFU/100 mL	200	-	4,756,665.2
5439500	6/1/2019	1870	1890.17	0.5073	966.93	184	3.1261%	Fecal		CFU/100 mL	200	-	4,731,839.6
5439500	7/3/1993	1840	1860.17	0.5073	951.71	185	3.1431%	Fecal		CFU/100 mL	200	-	4,657,362.8
5439500	5/29/1995	1840	1860.17	0.5073	951.71	185	3.1431%	Fecal		CFU/100 mL	200	-	4,657,362.8
5439500	5/4/2017	1840	1860.17	0.5073	951.71	185	3.1431%	Fecal		CFU/100 mL	200	-	4,657,362.8
5439500	6/2/1999	1830	1850.17	0.5073	946.63	188	3.1940%	Fecal		CFU/100 mL	200	-	4,632,537.2
5439500	10/25/2001	1830	1850.17	0.5073	946.63	188	3.1940%	Fecal		CFU/100 mL	200	-	4,632,537.2
5439500	10/30/2009	1830	1850.17	0.5073	946.63	188	3.1940%	Fecal		CFU/100 mL	200	-	4,632,537.2
5439500	7/17/2015	1830	1850.17	0.5073	946.63	188	3.1940%	Fecal		CFU/100 mL	200	-	4,632,537.2
5439500	9/20/2008	1820	1840.17	0.5073	941.56	192	3.2620%	Fecal		CFU/100 mL	200	-	4,607,711.6
5439500	5/11/1995	1810	1830.17	0.5073	936.49	193	3.2790%	Fecal		CFU/100 mL	200	-	4,582,886.0
5439500	5/26/1996	1810	1830.17	0.5073	936.49	193	3.2790%	Fecal		CFU/100 mL	200	-	4,582,886.0
5439500	6/19/1996	1810	1830.17	0.5073	936.49	193	3.2790%	Fecal		CFU/100 mL	200	-	4,582,886.0
5439500	10/19/1998	1810	1830.17	0.5073	936.49	193	3.2790%	Fecal		CFU/100 mL	200	-	4,582,886.0
5439500	8/8/2007	1810	1830.17	0.5073	936.49	193	3.2790%	Fecal		CFU/100 mL	200	-	4,582,886.0
5439500	8/10/1996	1800	1820.17	0.5073	931.41	198	3.3639%	Fecal		CFU/100 mL	200	-	4,558,060.4
5439500	6/9/2009	1800	1820.17	0.5073	931.41	198	3.3639%	Fecal		CFU/100 mL	200	-	4,558,060.4
5439500	7/12/2008	1790	1810.17	0.5073	926.34	200	3.3979%	Fecal		CFU/100 mL	200	-	4,533,234.8
5439500	7/24/1996	1780	1800.17	0.5073	921.27	201	3.4149%	Fecal		CFU/100 mL	200	-	4,508,409.2
5439500	5/27/1996	1770	1790.17	0.5073	916.20	202	3.4319%	Fecal		CFU/100 mL	200	-	4,483,583.6
5439500	5/16/2016	1770	1790.17	0.5073	916.20	202	3.4319%	Fecal		CFU/100 mL	200	-	4,483,583.6
5439500	5/16/2004	1760	1780.17	0.5073	911.12	204	3.4659%	Fecal		CFU/100 mL	200	-	4,458,758.0
5439500	10/27/2019	1760	1780.17	0.5073	911.12	204	3.4659%	Fecal		CFU/100 mL	200	-	4,458,758.0
5439500	6/17/1999	1750	1770.17	0.5073	906.05	206	3.4998%	Fecal		CFU/100 mL	200	-	4,433,932.4
5439500	6/2/2000	1750	1770.17	0.5073	906.05	206	3.4998%	Fecal		CFU/100 mL	200	-	4,433,932.4
5439500	6/22/2015	1750	1770.17	0.5073	906.05	206	3.4998%	Fecal		CFU/100 mL	200	-	4,433,932.4
5439500	5/1/2020	1750	1770.17	0.5073	906.05	206	3.4998%	Fecal		CFU/100 mL	200	-	4,433,932.4
5439500	5/29/2011	1740	1760.17	0.5073	900.98	210	3.5678%	Fecal		CFU/100 mL	200	-	4,409,106.8
5439500	5/23/2020	1740	1760.17	0.5073	900.98	210	3.5678%	Fecal		CFU/100 mL	200	-	4,409,106.8
5439500	9/30/2019	1730	1750.17	0.5073	895.90	212	3.6018%	Fecal		CFU/100 mL	200	-	4,384,281.2
5439500	6/25/1994	1720	1740.17	0.5073	890.83	213	3.6188%	Fecal		CFU/100 mL	200	-	4,359,455.6
5439500	6/5/2019	1720	1740.17	0.5073	890.83	213	3.6188%	Fecal		CFU/100 mL	200	-	4,359,455.6
5439500	10/18/1998	1710	1730.17	0.5073	885.76	215	3.6527%	Fecal		CFU/100 mL	200	-	4,334,630.0
5439500	10/6/2018	1710	1730.17	0.5073	885.76	215	3.6527%	Fecal		CFU/100 mL	200	-	4,334,630.0
5439500	5/22/1996	1700	1720.17	0.5073	880.68	217	3.6867%	Fecal		CFU/100 mL	200	-	4,309,804.4
5439500	5/15/2002	1700	1720.17	0.5073	880.68	217	3.6867%	Fecal		CFU/100 mL	200	-	4,309,804.4
5439500	6/12/1993	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	6/14/1993	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/24/1996	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	7/30/1996	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/13/2003	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/2/2009	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/13/2017	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/9/2019	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	5/12/2019	1690	1710.17	0.5073	875.61	219	3.7207%	Fecal		CFU/100 mL	200	-	4,284,978.8
5439500	5/11/1990	1680	1700.17	0.5073	870.54	228	3.8736%	Fecal		CFU/100 mL	200	-	4,260,153.2
5439500	6/4/1996	1680	1700.17	0.5073	870.54	228	3.8736%	Fecal		CFU/100 mL	200	-	4,260,153.2
5439500	5/29/2019	1680	1700.17	0.5073	870.54	228	3.8736%	Fecal		CFU/100 mL	200	-	4,260,153.2
5439500	5/12/1990	1670	1690.17	0.5073	865.47	231	3.9246%	Fecal		CFU/100 mL	200	-	4,235,327.6
5439500	6/27/1994	1670	1690.17	0.5073	865.47	231	3.9246%	Fecal		CFU/100 mL	200	-	4,235,327.6
5439500	6/9/2002	1670	1690.17	0.5073	865.47	231	3.9246%	Fecal		CFU/100 mL	200	-	4,235,327.6
5439500	6/23/2013	1670	1690.17	0.5073	865.47	231	3.9246%	Fecal		CFU/100 mL	200	-	4,235,327.6
5439500	6/11/2018	1660	1680.17	0.5073	860.39	235	3.9925%	Fecal		CFU/100 mL	200	-	4,210,502.0
5439500	5/12/2002	1650	1670.17	0.5073	855.32	236	4.0095%	Fecal		CFU/100 mL	200	-	4,185,676.4
5439500	8/9/2007	1650	1670.17	0.5073	855.32	236	4.0095%	Fecal		CFU/100 mL	200	-	4,185,676.4
5439500	6/15/2017	1650	1670.17	0.5073	855.32	236	4.0095%	Fecal		CFU/100 mL	200	-	4,185,676.4
5439500	5/16/2018	1640	1660.17	0.5073	850.25	239	4.0605%	Fecal		CFU/100 mL	200	-	4,160,850.8
5439500	6/12/2018	1630	1650.17	0.5073	845.17	240	4.0775%	Fecal		CFU/100 mL	200	-	4,136,025.2
5439500	5/20/1998	1620	1640.17	0.5073	840.10	241	4.0945%	Fecal		CFU/100 mL	200	-	4,111,199.6
5439500	9/13/2008	1620	1640.17	0.5073	840.10	241	4.0945%	Fecal		CFU/100 mL	200	-	4,111,199.6
5439500	6/14/2009	1610	1630.17	0.5073	835.03	243	4.1284%	Fecal		CFU/100 mL	200	-	4,086,374.0
5439500	10/1/2019	1610	1630.17	0.5073	835.03	243	4.1284%	Fecal		CFU/100 mL	200	-	4,086,374.0
5439500	5/11/1998	1600	1620.17	0.5073	829.96	245	4.1624%	Fecal		CFU/100 mL	200	-	4,061,548.4
5439500	5/22/2020	1600	1620.17	0.5073	829.96	245	4.1624%	Fecal		CFU/100 mL	200	-	4,061,548.4
5439500	5/30/1995	1590	1610.17	0.5073	824.88	247	4.1964%	Fecal		CFU/100 mL	200	-	4,036,722.8
5439500	5/14/1999	1590	1610.17	0.5073	824.88	247	4.1964%	Fecal		CFU/100 mL	200	-	4,036,722.8
5439500	7/14/2015	1590	1610.17	0.5073	824.88	247	4.1964%	Fecal		CFU/100 mL	200	-	4,036,722.8
5439500	9/3/2018	1580	1600.17	0.5073	819.81	250	4.2474%	Fecal		CFU/100 mL	200	-	4,011,897.2
5439500	9/23/2019	1580	1600.17	0.5073	819.81	250	4.2474%	Fecal		CFU/100 mL	200	-	4,011,897.2
5439500	10/23/2001	1570	1590.17	0.5073	814.74	252	4.2813%	Fecal		CFU/100 mL	200	-	3,987,071.6
5439500	5/12/2003	1570	1590.17	0.5073	814.74	252	4.2813%	Fecal		CFU/100 mL	200	-	3,987,071.6
5439500	5/10/1996	1560	1580.17	0.5073	809.66	254	4.3153%	Fecal		CFU/100 mL	200	-	3,962,246.0
5439500	5/13/1999	1560	1580.17	0.5073	809.66	254	4.3153%	Fecal		CFU/100 mL	200	-	3,962,246.0
5439500	5/18/2004	1560	1580.17	0.5073	809.66	254	4.3153%	Fecal		CFU/100 mL	200	-	3,962,246.0
5439500	5/6/2015	1560	1580.17	0.5073	809.66	254	4.3153%	Fecal		CFU/100 mL	200	-	3,962,246.0
5439500	7/22/1993	1550	1570.17	0.5073	804.59	258	4.3833%	Fecal		CFU/100 mL	200	-	3,937,420.4
5439500	6/28/2010	1550	1570.17	0.5073	804.59	258	4.3833%	Fecal		CFU/100 mL	200	-	3,937,420.4
5439500	6/24/2014	1550	1570.17	0.5073	804.59	258	4.3833%	Fecal		CFU/100 mL	200	-	3,937,420.4
5439500	6/18/1993	1540	1560.17	0.5073	799.52	261	4.4343%	Fecal		CFU/100 mL	200	-	3,912,594.8
5439500	6/8/1996	1540	1560.17	0.5073	799.52	261	4.4343%	Fecal		CFU/100 mL	200	-	3,912,594.8
5439500	6/13/2011	1540	1560.17	0.5073	799.52	261	4.4343%	Fecal		CFU/100 mL	200	-	3,912,594.8
5439500	5/13/1990	1530	1550.17	0.5073	794.44	264	4.4852%	Fecal		CFU/100 mL	200	-	3,887,769.2
5439500	6/21/2009	1530	1550.17	0.5073	794.44	264	4.4852%	Fecal		CFU/100 mL	200	-	3,887,769.2
5439500	5/6/2019	1530	1550.17	0.5073	794.44	264	4.4852%	Fecal		CFU/100 mL	200	-	3,887,769.2
5439500	7/2/1993	1520	1540.17	0.5073	789.37	267	4.5362%	Fecal		CFU/100 mL	200	-	3,862,943.6
5439500	8/28/2009	1520	1540.17	0.5073	789.37	267	4.5362%	Fecal		CFU/100 mL	200	-	3,862,943.6
5439500	8/5/2010	1520	1540.17	0.5073	789.37	267	4.5362%	Fecal		CFU/100 mL	200	-	3,862,943.6
5439500	6/3/1999	1500	1520.17	0.5073	779.23	270	4.5872%	Fecal		CFU/100 mL	200	-	3,813,292.4
5439500	5/30/2004	1500	1520.17	0.5073	779.23	270	4.5872%	Fecal		CFU/100 mL	200	-	3,813,292.4
5439500	5/27/2011	1500	1520.17	0.5073	779.23	270	4.5872%	Fecal		CFU/100 mL	200	-	3,813,292.4
5439500	5/27/2004	1490	1510.17	0.5073	774.15	273	4.6381%	Fecal		CFU/100 mL	200	-	3,788,466.8
5439500	8/27/2009	1470	1490.17	0.5073	764.01	274	4.6551%	Fecal		CFU/100 mL	200	-	3,738,815.6
5439500	9/14/2019	1470	1490.17	0.5073	764.01	274	4.6551%	Fecal		CFU/100 mL	200	-	3,738,815.6
5439500	6/6/2019	1460	1480.17	0.5073	758.93	276	4.6891%	Fecal		CFU/100 mL	200	-	3,713,990.0
5439500	10/30/2019	1460	1480.17	0.5073	758.93	276	4.6891%	Fecal		CFU/100 mL	200	-	3,713,990.0
5439500	7/13/2008	1450	1470.17	0.5073	753.86	278	4.7231%	Fecal		CFU/100 mL	200	-	3,689,164.4
5439500	7/25/2017	1450	1470.17	0.5073	753.86	278	4.7231%	Fecal		CFU/100 mL	200	-	3,689,164.4
5439500	10/16/2017	1450	1470.17	0.5073	753.86	278	4.7231%	Fecal		CFU/100 mL	200	-	3,689,164.4
5439500	7/18/1993	1440	1460.17	0.5073	748.79	281	4.7740%	Fecal		CFU/100 mL	200	-	3,664,338.8
5439500	5/27/1995	1430	1450.17	0.5073	743.71	282	4.7910%	Fecal		CFU/100 mL	200	-	3,639,513.2
5439500	9/29/2019	1430	1450.17	0.5073	743.71	282	4.7910%	Fecal		CFU/100 mL	200	-	3,639,513.2
5439500	6/21/2018	1420	1440.17	0.5073	738.64	284	4.8250%	Fecal		CFU/100 mL	200	-	3,614,687.6
5439500	9/22/2019	1420	1440.17	0.5073	738.64	284	4.8250%	Fecal		CFU/100 mL	200	-	3,614,687.6
5439500	6/9/1996	1410	1430.17	0.5073	733.57	286	4.8590%	Fecal		CFU/100 mL	200	-	3,589,862.0
5439500	6/29/2013	1410	1430.17	0.5073	733.57	286	4.8590%	Fecal		CFU/100 mL	200	-	3,589,862.0
5439500	5/7/2015	1410	1430.17	0.5073	733.57	286	4.8590%	Fecal		CFU/100 mL	200	-	3,589,862.0
5439500	6/17/1993	1400	1420.17	0.5073	728.50	289	4.9100%	Fecal		CFU/100 mL	200	-	3,565,036.4
5439500	6/8/2007	1400	1420.17	0.5073	728.50	289	4.9100%	Fecal		CFU/100 mL	200	-	3,565,036.4
5439500	6/23/2015	1400	1420.17	0.5073	728.50	289	4.9100%	Fecal		CFU/100 mL	200	-	3,565,036.4
5439500	9/28/1999	1390	1410.17	0.5073	723.42	292	4.9609%	Fecal		CFU/100 mL	200	-	3,540,210.8
5439500	5/22/2018	1390	1410.17	0.5073	723.42	292	4.9609%	Fecal		CFU/100 mL	200	-	3,540,210.8
5439500	7/31/1996	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	10/26/2001	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	6/24/2013	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	7/5/2014	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	10/7/2019	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	6/27/2020	1380	1400.17	0.5073	718.35	294	4.9949%	Fecal		CFU/100 mL	200	-	3,515,385.2
5439500	6/9/2011	1370	1390.17	0.5073	713.28	300	5.0968%	Fecal		CFU/100 mL	200	-	3,490,559.6
5439500	6/25/2018	1370	1390.17	0.5073	713.28	300	5.0968%	Fecal		CFU/100 mL	200	-	3,490,559.6
5439500	10/2/2019	1370	1390.17	0.5073	713.28	300	5.0968%	Fecal		CFU/100 mL	200	-	3,490,559.6
5439500	5/23/1996	1360	1380.17	0.5073	708.20	303	5.1478%	Fecal		CFU/100 mL	200	-	3,465,734.0
5439500	10/20/1998	1360	1380.17	0.5073	708.20	303	5.1478%	Fecal		CFU/100 mL	200	-	3,465,734.0
5439500	6/15/2004	1360	1380.17	0.5073	708.20	303	5.1478%	Fecal		CFU/100 mL	200	-	3,465,734.0
5439500	5/24/2019	1360	1380.17	0.5073	708.20	303	5.1478%	Fecal		CFU/100 mL	200	-	3,465,734.0
5439500	9/24/2019	1360	1380.17	0.5073	708.20	303	5.1478%	Fecal		CFU/100 mL	200	-	3,465,734.0
5439500	5/11/1996	1350	1370.17	0.5073	703.13	308	5.2328%	Fecal		CFU/100 mL	200	-	3,440,908.4
5439500	6/7/1996	1350	1370.17	0.5073	703.13	308	5.2328%	Fecal		CFU/100 mL	200	-	3,440,908.4
5439500	10/15/2017	1350	1370.17	0.5073	703.13	308	5.2328%	Fecal		CFU/100 mL	200	-	3,440,908.4
5439500	8/31/2007	1340	1360.17	0.5073	698.06	311	5.2837%	Fecal		CFU/100 mL	200	-	3,416,082.8
5439500	6/20/1996	1330	1350.17	0.5073	692.98	312	5.3007%	Fecal		CFU/100 mL	200	-	3,391,257.2
5439500	6/12/1999	1330	1350.17	0.5073	692.98	312	5.3007%	Fecal		CFU/100 mL	200	-	3,391,257.2
5439500	6/10/2009	1320	1340.17	0.5073	687.91	314	5.3347%	Fecal		CFU/100 mL	200	-	3,366,431.6
5439500	5/26/2011	1320	1340.17	0.5073	687.91	314	5.3347%	Fecal		CFU/100 mL	200	-	3,366,431.6
5439500	5/3/2016	1320	1340.17	0.5073	687.91	314	5.3347%	Fecal		CFU/100 mL	200	-	3,366,431.6
5439500	7/4/2000	1310	1330.17	0.5073	682.84	317	5.3857%	Fecal		CFU/100 mL	200	-	3,341,606.0
5439500	10/24/2009	1310	1330.17	0.5073	682.84	317	5.3857%	Fecal		CFU/100 mL	200	-	3,341,606.0
5439500	8/6/2010	1310	1330.17	0.5073	682.84	317	5.3857%	Fecal		CFU/100 mL	200	-	3,341,606.0
5439500	6/25/2015	1310	1330.17	0.5073	682.84	317	5.3857%	Fecal		CFU/100 mL	200	-	3,341,606.0
5439500	7/26/1993	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	6/11/1999	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	6/27/2010	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	7/9/2015	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	7/15/2015	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	5/17/2018	1290	1310.17	0.5073	672.69	321	5.4536%	Fecal		CFU/100 mL	200	-	3,291,954.8
5439500	6/5/1996	1280	1300.17	0.5073	667.62	327	5.5556%	Fecal		CFU/100 mL	200	-	3,267,129.2
5439500	5/15/2011	1280	1300.17	0.5073	667.62	327	5.5556%	Fecal		CFU/100 mL	200	-	3,267,129.2
5439500	6/30/2013	1280	1300.17	0.5073	667.62	327	5.5556%	Fecal		CFU/100 mL	200	-	3,267,129.2
5439500	6/28/1993	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	7/28/2010	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	5/2/2016	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	5/23/2018	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	5/25/2019	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	5/2/2020	1270	1290.17	0.5073	662.55	330	5.6065%	Fecal		CFU/100 mL	200	-	3,242,303.6
5439500	5/12/1995	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0
5439500	5/17/2002	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0
5439500	5/16/2009	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0
5439500	7/8/2015	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	5/5/2017	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0
5439500	5/15/2018	1260	1280.17	0.5073	657.47	336	5.7085%	Fecal		CFU/100 mL	200	-	3,217,478.0
5439500	6/5/2004	1250	1270.17	0.5073	652.40	342	5.8104%	Fecal		CFU/100 mL	200	-	3,192,652.4
5439500	6/2/2019	1250	1270.17	0.5073	652.40	342	5.8104%	Fecal		CFU/100 mL	200	-	3,192,652.4
5439500	9/15/2019	1250	1270.17	0.5073	652.40	342	5.8104%	Fecal		CFU/100 mL	200	-	3,192,652.4
5439500	5/14/1990	1240	1260.17	0.5073	647.33	345	5.8614%	Fecal		CFU/100 mL	200	-	3,167,826.8
5439500	7/25/1996	1240	1260.17	0.5073	647.33	345	5.8614%	Fecal		CFU/100 mL	200	-	3,167,826.8
5439500	6/12/1998	1240	1260.17	0.5073	647.33	345	5.8614%	Fecal		CFU/100 mL	200	-	3,167,826.8
5439500	6/3/2000	1240	1260.17	0.5073	647.33	345	5.8614%	Fecal		CFU/100 mL	200	-	3,167,826.8
5439500	6/9/2008	1230	1250.17	0.5073	642.26	349	5.9293%	Fecal		CFU/100 mL	200	-	3,143,001.2
5439500	6/26/2015	1230	1250.17	0.5073	642.26	349	5.9293%	Fecal		CFU/100 mL	200	-	3,143,001.2
5439500	10/7/2018	1230	1250.17	0.5073	642.26	349	5.9293%	Fecal		CFU/100 mL	200	-	3,143,001.2
5439500	5/19/2004	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal	4000	CFU/100 mL	200	62,363,511	3,118,175.6
5439500	6/10/2008	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal		CFU/100 mL	200	-	3,118,175.6
5439500	5/18/2010	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal		CFU/100 mL	200	-	3,118,175.6
5439500	6/25/2013	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal		CFU/100 mL	200	-	3,118,175.6
5439500	10/8/2018	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal		CFU/100 mL	200	-	3,118,175.6
5439500	6/30/2021	1220	1240.17	0.5073	637.18	352	5.9803%	Fecal		CFU/100 mL	200	-	3,118,175.6
5439500	6/10/1996	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	6/12/2000	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	5/18/2002	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	7/11/2007	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	6/8/2009	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	6/10/2018	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	6/30/2018	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	5/25/2020	1210	1230.17	0.5073	632.11	358	6.0822%	Fecal		CFU/100 mL	200	-	3,093,350.0
5439500	6/29/1993	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	6/26/2000	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	5/3/2009	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	6/22/2013	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	6/25/2014	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	5/12/2016	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	5/7/2019	1200	1220.17	0.5073	627.04	366	6.2181%	Fecal		CFU/100 mL	200	-	3,068,524.4
5439500	8/24/1999	1190	1210.17	0.5073	621.96	373	6.3371%	Fecal		CFU/100 mL	200	-	3,043,698.8
5439500	7/14/2008	1190	1210.17	0.5073	621.96	373	6.3371%	Fecal		CFU/100 mL	200	-	3,043,698.8
5439500	6/3/2011	1190	1210.17	0.5073	621.96	373	6.3371%	Fecal		CFU/100 mL	200	-	3,043,698.8
5439500	7/18/2015	1190	1210.17	0.5073	621.96	373	6.3371%	Fecal		CFU/100 mL	200	-	3,043,698.8
5439500	5/17/2016	1190	1210.17	0.5073	621.96	373	6.3371%	Fecal		CFU/100 mL	200	-	3,043,698.8
5439500	6/24/1993	1180	1200.17	0.5073	616.89	378	6.4220%	Fecal		CFU/100 mL	200	-	3,018,873.2
5439500	9/27/1993	1180	1200.17	0.5073	616.89	378	6.4220%	Fecal		CFU/100 mL	200	-	3,018,873.2
5439500	6/17/2000	1180	1200.17	0.5073	616.89	378	6.4220%	Fecal		CFU/100 mL	200	-	3,018,873.2
5439500	6/6/2001	1180	1200.17	0.5073	616.89	378	6.4220%	Fecal		CFU/100 mL	200	-	3,018,873.2
5439500	5/12/2015	1180	1200.17	0.5073	616.89	378	6.4220%	Fecal		CFU/100 mL	200	-	3,018,873.2
5439500	7/9/1993	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	6/17/1996	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	6/13/1998	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	5/18/1999	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	5/17/2004	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	5/12/2008	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	6/20/2010	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	6/26/2014	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	9/4/2018	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	10/31/2019	1170	1190.17	0.5073	611.82	383	6.5070%	Fecal		CFU/100 mL	200	-	2,994,047.6
5439500	6/3/1995	1160	1180.17	0.5073	606.74	393	6.6769%	Fecal		CFU/100 mL	200	-	2,969,222.0
5439500	5/17/1999	1160	1180.17	0.5073	606.74	393	6.6769%	Fecal		CFU/100 mL	200	-	2,969,222.0
5439500	6/24/2015	1160	1180.17	0.5073	606.74	393	6.6769%	Fecal		CFU/100 mL	200	-	2,969,222.0
5439500	6/4/1995	1150	1170.17	0.5073	601.67	396	6.7278%	Fecal		CFU/100 mL	200	-	2,944,396.4
5439500	8/11/1996	1150	1170.17	0.5073	601.67	396	6.7278%	Fecal		CFU/100 mL	200	-	2,944,396.4
5439500	6/28/2013	1150	1170.17	0.5073	601.67	396	6.7278%	Fecal		CFU/100 mL	200	-	2,944,396.4
5439500	5/7/1999	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	5/13/2008	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	5/17/2009	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	6/15/2009	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	10/2/2018	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	5/23/2019	1140	1160.17	0.5073	596.60	399	6.7788%	Fecal		CFU/100 mL	200	-	2,919,570.8
5439500	6/13/1993	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	6/10/2002	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	5/14/2004	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	5/14/2009	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	6/19/2010	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	5/28/2011	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	7/1/2013	1130	1150.17	0.5073	591.53	405	6.8807%	Fecal		CFU/100 mL	200	-	2,894,745.2
5439500	5/12/1998	1120	1140.17	0.5073	586.45	412	6.9997%	Fecal		CFU/100 mL	200	-	2,869,919.6
5439500	5/15/1999	1120	1140.17	0.5073	586.45	412	6.9997%	Fecal		CFU/100 mL	200	-	2,869,919.6
5439500	5/13/2019	1120	1140.17	0.5073	586.45	412	6.9997%	Fecal		CFU/100 mL	200	-	2,869,919.6
5439500	5/10/1990	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	8/20/1990	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	5/26/1997	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	5/7/1998	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	6/18/1999	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	6/25/2000	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	7/3/2000	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	5/16/2002	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal	190	CFU/100 mL	200	2,702,839	2,845,094.0
5439500	8/4/2010	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	5/14/2017	1110	1130.17	0.5073	581.38	415	7.0506%	Fecal		CFU/100 mL	200	-	2,845,094.0
5439500	6/7/2001	1100	1120.17	0.5073	576.31	425	7.2205%	Fecal		CFU/100 mL	200	-	2,820,268.3
5439500	5/14/2011	1100	1120.17	0.5073	576.31	425	7.2205%	Fecal		CFU/100 mL	200	-	2,820,268.3
5439500	5/8/2019	1100	1120.17	0.5073	576.31	425	7.2205%	Fecal		CFU/100 mL	200	-	2,820,268.3
5439500	9/30/1999	1090	1110.17	0.5073	571.23	428	7.2715%	Fecal		CFU/100 mL	200	-	2,795,442.7
5439500	5/10/2003	1090	1110.17	0.5073	571.23	428	7.2715%	Fecal		CFU/100 mL	200	-	2,795,442.7
5439500	6/30/2014	1090	1110.17	0.5073	571.23	428	7.2715%	Fecal		CFU/100 mL	200	-	2,795,442.7
5439500	5/8/2015	1090	1110.17	0.5073	571.23	428	7.2715%	Fecal		CFU/100 mL	200	-	2,795,442.7
5439500	6/13/2018	1090	1110.17	0.5073	571.23	428	7.2715%	Fecal		CFU/100 mL	200	-	2,795,442.7
5439500	5/9/1995	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	6/6/1996	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	5/21/2004	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	6/19/2009	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	9/27/2011	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	5/10/2015	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	10/9/2018	1080	1100.17	0.5073	566.16	433	7.3564%	Fecal		CFU/100 mL	200	-	2,770,617.1
5439500	6/30/1990	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	6/1/1991	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	5/31/1995	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	5/21/1998	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	5/10/2017	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	10/17/2017	1070	1090.17	0.5073	561.09	440	7.4754%	Fecal		CFU/100 mL	200	-	2,745,791.5
5439500	8/1/1996	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	5/13/1998	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	5/11/2003	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	5/28/2004	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	5/11/2015	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	7/10/2015	1060	1080.17	0.5073	556.01	446	7.5773%	Fecal		CFU/100 mL	200	-	2,720,965.9
5439500	6/27/1993	1050	1070.17	0.5073	550.94	452	7.6792%	Fecal		CFU/100 mL	200	-	2,696,140.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/1/2021	1050	1070.17	0.5073	550.94	452	7.6792%	Fecal		CFU/100 mL	200	-	2,696,140.3
5439500	7/25/1993	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	7/27/1993	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	6/11/1996	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	5/1/1999	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	6/14/2011	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	5/5/2015	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	6/27/2015	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	7/13/2015	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	6/26/2018	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	9/16/2019	1040	1060.17	0.5073	545.87	454	7.7132%	Fecal		CFU/100 mL	200	-	2,671,314.7
5439500	7/26/1996	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	6/22/2009	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	5/13/2015	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	5/4/2016	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	10/8/2019	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	6/29/2021	1030	1050.17	0.5073	540.80	464	7.8831%	Fecal		CFU/100 mL	200	-	2,646,489.1
5439500	10/23/2009	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	5/16/2011	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	6/19/2014	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	7/27/2017	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	7/28/2017	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	10/25/2017	1020	1040.17	0.5073	535.72	470	7.9850%	Fecal		CFU/100 mL	200	-	2,621,663.5
5439500	7/6/2014	1010	1030.17	0.5073	530.65	476	8.0870%	Fecal		CFU/100 mL	200	-	2,596,837.9
5439500	5/26/2019	1010	1030.17	0.5073	530.65	476	8.0870%	Fecal		CFU/100 mL	200	-	2,596,837.9
5439500	6/7/2019	1010	1030.17	0.5073	530.65	476	8.0870%	Fecal		CFU/100 mL	200	-	2,596,837.9
5439500	5/13/1995	1000	1020.17	0.5073	525.58	479	8.1380%	Fecal		CFU/100 mL	200	-	2,572,012.3
5439500	5/23/1995	1000	1020.17	0.5073	525.58	479	8.1380%	Fecal		CFU/100 mL	200	-	2,572,012.3
5439500	5/6/2017	1000	1020.17	0.5073	525.58	479	8.1380%	Fecal		CFU/100 mL	200	-	2,572,012.3
5439500	7/26/2017	1000	1020.17	0.5073	525.58	479	8.1380%	Fecal		CFU/100 mL	200	-	2,572,012.3
5439500	6/11/2002	997	1017.17	0.5073	524.05	483	8.2059%	Fecal		CFU/100 mL	200	-	2,564,564.7
5439500	6/4/1999	991	1011.17	0.5073	521.01	484	8.2229%	Fecal		CFU/100 mL	200	-	2,549,669.3
5439500	7/14/2014	989	1009.17	0.5073	520.00	485	8.2399%	Fecal		CFU/100 mL	200	-	2,544,704.2
5439500	7/21/2007	986	1006.17	0.5073	518.47	486	8.2569%	Fecal		CFU/100 mL	200	-	2,537,256.5
5439500	8/29/2009	985	1005.17	0.5073	517.97	487	8.2739%	Fecal		CFU/100 mL	200	-	2,534,773.9
5439500	5/9/2009	984	1004.17	0.5073	517.46	488	8.2909%	Fecal		CFU/100 mL	200	-	2,532,291.4
5439500	5/27/2009	984	1004.17	0.5073	517.46	488	8.2909%	Fecal		CFU/100 mL	200	-	2,532,291.4
5439500	7/16/2015	983	1003.17	0.5073	516.95	490	8.3248%	Fecal		CFU/100 mL	200	-	2,529,808.8
5439500	5/28/2009	981	1001.17	0.5073	515.94	491	8.3418%	Fecal		CFU/100 mL	200	-	2,524,843.7
5439500	9/26/1993	977	997.17	0.5073	513.91	492	8.3588%	Fecal		CFU/100 mL	200	-	2,514,913.5
5439500	5/12/1999	977	997.17	0.5073	513.91	492	8.3588%	Fecal		CFU/100 mL	200	-	2,514,913.5
5439500	5/23/2011	976	996.17	0.5073	513.40	494	8.3928%	Fecal		CFU/100 mL	200	-	2,512,430.9
5439500	5/14/2003	973	993.17	0.5073	511.88	495	8.4098%	Fecal		CFU/100 mL	200	-	2,504,983.2
5439500	6/25/1996	967	987.17	0.5073	508.84	496	8.4268%	Fecal		CFU/100 mL	200	-	2,490,087.9
5439500	5/12/1996	964	984.17	0.5073	507.31	497	8.4438%	Fecal		CFU/100 mL	200	-	2,482,640.2
5439500	5/26/2020	961	981.17	0.5073	505.79	498	8.4608%	Fecal		CFU/100 mL	200	-	2,475,192.5
5439500	6/2/1991	958	978.17	0.5073	504.27	499	8.4777%	Fecal		CFU/100 mL	200	-	2,467,744.8
5439500	5/12/2010	958	978.17	0.5073	504.27	499	8.4777%	Fecal		CFU/100 mL	200	-	2,467,744.8
5439500	5/15/2009	957	977.17	0.5073	503.76	501	8.5117%	Fecal		CFU/100 mL	200	-	2,465,262.3
5439500	7/20/2007	952	972.17	0.5073	501.23	502	8.5287%	Fecal		CFU/100 mL	200	-	2,452,849.5
5439500	5/9/2015	952	972.17	0.5073	501.23	502	8.5287%	Fecal		CFU/100 mL	200	-	2,452,849.5
5439500	6/16/2004	951	971.17	0.5073	500.72	504	8.5627%	Fecal		CFU/100 mL	200	-	2,450,366.9
5439500	7/5/2000	950	970.17	0.5073	500.21	505	8.5797%	Fecal		CFU/100 mL	200	-	2,447,884.3
5439500	6/13/2009	950	970.17	0.5073	500.21	505	8.5797%	Fecal		CFU/100 mL	200	-	2,447,884.3
5439500	5/31/2018	949	969.17	0.5073	499.70	507	8.6137%	Fecal		CFU/100 mL	200	-	2,445,401.8
5439500	6/29/2010	946	966.17	0.5073	498.18	508	8.6306%	Fecal		CFU/100 mL	200	-	2,437,954.1
5439500	6/6/2004	945	965.17	0.5073	497.68	509	8.6476%	Fecal		CFU/100 mL	200	-	2,435,471.5
5439500	7/23/1993	942	962.17	0.5073	496.15	510	8.6646%	Fecal		CFU/100 mL	200	-	2,428,023.9
5439500	6/26/2010	940	960.17	0.5073	495.14	511	8.6816%	Fecal		CFU/100 mL	200	-	2,423,058.7
5439500	5/19/2000	938	958.17	0.5073	494.12	512	8.6986%	Fecal		CFU/100 mL	200	-	2,418,093.6
5439500	5/14/1995	937	957.17	0.5073	493.62	513	8.7156%	Fecal		CFU/100 mL	200	-	2,415,611.1
5439500	10/27/2009	937	957.17	0.5073	493.62	513	8.7156%	Fecal		CFU/100 mL	200	-	2,415,611.1
5439500	6/24/1994	936	956.17	0.5073	493.11	515	8.7496%	Fecal		CFU/100 mL	200	-	2,413,128.5
5439500	6/30/2017	933	953.17	0.5073	491.59	516	8.7666%	Fecal		CFU/100 mL	200	-	2,405,680.8
5439500	5/7/2009	932	952.17	0.5073	491.08	517	8.7836%	Fecal		CFU/100 mL	200	-	2,403,198.3
5439500	9/1/2007	930	950.17	0.5073	490.07	518	8.8005%	Fecal		CFU/100 mL	200	-	2,398,233.1
5439500	5/19/2010	930	950.17	0.5073	490.07	518	8.8005%	Fecal		CFU/100 mL	200	-	2,398,233.1
5439500	5/4/2018	927	947.17	0.5073	488.54	520	8.8345%	Fecal		CFU/100 mL	200	-	2,390,785.5
5439500	5/15/1990	925	945.17	0.5073	487.53	521	8.8515%	Fecal		CFU/100 mL	200	-	2,385,820.3
5439500	5/18/2016	924	944.17	0.5073	487.02	522	8.8685%	Fecal		CFU/100 mL	200	-	2,383,337.8
5439500	10/26/2017	923	943.17	0.5073	486.51	523	8.8855%	Fecal		CFU/100 mL	200	-	2,380,855.2
5439500	6/3/2019	923	943.17	0.5073	486.51	523	8.8855%	Fecal		CFU/100 mL	200	-	2,380,855.2
5439500	10/27/2001	921	941.17	0.5073	485.50	525	8.9195%	Fecal		CFU/100 mL	200	-	2,375,890.1
5439500	6/11/2008	919	939.17	0.5073	484.49	526	8.9365%	Fecal		CFU/100 mL	200	-	2,370,925.0
5439500	5/28/2019	919	939.17	0.5073	484.49	526	8.9365%	Fecal		CFU/100 mL	200	-	2,370,925.0
5439500	7/28/1996	918	938.17	0.5073	483.98	528	8.9704%	Fecal		CFU/100 mL	200	-	2,368,442.4
5439500	10/25/2009	917	937.17	0.5073	483.47	529	8.9874%	Fecal		CFU/100 mL	200	-	2,365,959.9
5439500	5/19/1999	915	935.17	0.5073	482.46	530	9.0044%	Fecal		CFU/100 mL	200	-	2,360,994.7
5439500	8/12/1996	914	934.17	0.5073	481.95	531	9.0214%	Fecal		CFU/100 mL	200	-	2,358,512.2
5439500	9/28/2011	914	934.17	0.5073	481.95	531	9.0214%	Fecal		CFU/100 mL	200	-	2,358,512.2
5439500	5/14/2019	912	932.17	0.5073	480.93	533	9.0554%	Fecal		CFU/100 mL	200	-	2,353,547.1
5439500	8/19/1990	911	931.17	0.5073	480.43	534	9.0724%	Fecal		CFU/100 mL	200	-	2,351,064.5
5439500	6/12/1996	907	927.17	0.5073	478.40	535	9.0894%	Fecal		CFU/100 mL	200	-	2,341,134.3
5439500	6/21/1996	907	927.17	0.5073	478.40	535	9.0894%	Fecal		CFU/100 mL	200	-	2,341,134.3
5439500	5/19/2002	907	927.17	0.5073	478.40	535	9.0894%	Fecal		CFU/100 mL	200	-	2,341,134.3
5439500	6/25/1993	905	925.17	0.5073	477.38	538	9.1403%	Fecal		CFU/100 mL	200	-	2,336,169.1
5439500	5/4/2009	905	925.17	0.5073	477.38	538	9.1403%	Fecal		CFU/100 mL	200	-	2,336,169.1
5439500	6/4/2019	905	925.17	0.5073	477.38	538	9.1403%	Fecal		CFU/100 mL	200	-	2,336,169.1
5439500	6/12/2002	900	920.17	0.5073	474.85	541	9.1913%	Fecal		CFU/100 mL	200	-	2,323,756.3
5439500	5/19/2019	897	917.17	0.5073	473.32	542	9.2083%	Fecal		CFU/100 mL	200	-	2,316,308.7
5439500	9/25/2019	896	916.17	0.5073	472.82	543	9.2253%	Fecal		CFU/100 mL	200	-	2,313,826.1
5439500	5/11/2016	895	915.17	0.5073	472.31	544	9.2423%	Fecal		CFU/100 mL	200	-	2,311,343.5
5439500	5/20/2004	893	913.17	0.5073	471.30	545	9.2593%	Fecal		CFU/100 mL	200	-	2,306,378.4
5439500	6/28/1994	892	912.17	0.5073	470.79	546	9.2762%	Fecal		CFU/100 mL	200	-	2,303,895.9
5439500	7/27/1996	891	911.17	0.5073	470.28	547	9.2932%	Fecal		CFU/100 mL	200	-	2,301,413.3
5439500	5/5/1993	888	908.17	0.5073	468.76	548	9.3102%	Fecal		CFU/100 mL	200	-	2,293,965.6
5439500	5/30/1991	887	907.17	0.5073	468.25	549	9.3272%	Fecal		CFU/100 mL	200	-	2,291,483.1
5439500	7/19/2015	887	907.17	0.5073	468.25	549	9.3272%	Fecal		CFU/100 mL	200	-	2,291,483.1
5439500	5/6/1999	884	904.17	0.5073	466.73	551	9.3612%	Fecal		CFU/100 mL	200	-	2,284,035.4
5439500	7/7/2015	884	904.17	0.5073	466.73	551	9.3612%	Fecal		CFU/100 mL	200	-	2,284,035.4
5439500	5/14/2020	884	904.17	0.5073	466.73	551	9.3612%	Fecal		CFU/100 mL	200	-	2,284,035.4
5439500	6/28/2015	883	903.17	0.5073	466.22	554	9.4122%	Fecal		CFU/100 mL	200	-	2,281,552.8
5439500	5/8/2009	882	902.17	0.5073	465.72	555	9.4292%	Fecal		CFU/100 mL	200	-	2,279,070.3
5439500	6/11/2009	882	902.17	0.5073	465.72	555	9.4292%	Fecal		CFU/100 mL	200	-	2,279,070.3
5439500	5/3/2020	880	900.17	0.5073	464.70	557	9.4631%	Fecal		CFU/100 mL	200	-	2,274,105.1
5439500	6/5/1995	878	898.17	0.5073	463.69	558	9.4801%	Fecal		CFU/100 mL	200	-	2,269,140.0
5439500	9/21/2008	875	895.17	0.5073	462.16	559	9.4971%	Fecal		CFU/100 mL	200	-	2,261,692.3
5439500	7/12/2007	874	894.17	0.5073	461.66	560	9.5141%	Fecal		CFU/100 mL	200	-	2,259,209.8
5439500	6/19/1999	872	892.17	0.5073	460.64	561	9.5311%	Fecal		CFU/100 mL	200	-	2,254,244.7
5439500	6/4/2011	871	891.17	0.5073	460.14	562	9.5481%	Fecal		CFU/100 mL	200	-	2,251,762.1
5439500	5/20/2019	870	890.17	0.5073	459.63	563	9.5651%	Fecal		CFU/100 mL	200	-	2,249,279.5
5439500	7/4/1993	869	889.17	0.5073	459.12	564	9.5821%	Fecal		CFU/100 mL	200	-	2,246,797.0
5439500	6/15/2011	869	889.17	0.5073	459.12	564	9.5821%	Fecal		CFU/100 mL	200	-	2,246,797.0

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	5/16/1999	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	8/10/2007	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	6/27/2014	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	5/30/2016	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	5/15/2017	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	6/20/2018	860	880.17	0.5073	454.55	566	9.6160%	Fecal		CFU/100 mL	200	-	2,224,453.9
5439500	5/2/1999	859	879.17	0.5073	454.05	572	9.7180%	Fecal		CFU/100 mL	200	-	2,221,971.4
5439500	5/8/1999	858	878.17	0.5073	453.54	573	9.7350%	Fecal		CFU/100 mL	200	-	2,219,488.8
5439500	7/7/2014	858	878.17	0.5073	453.54	573	9.7350%	Fecal		CFU/100 mL	200	-	2,219,488.8
5439500	5/18/2009	857	877.17	0.5073	453.03	575	9.7689%	Fecal		CFU/100 mL	200	-	2,217,006.3
5439500	6/16/2016	857	877.17	0.5073	453.03	575	9.7689%	Fecal		CFU/100 mL	200	-	2,217,006.3
5439500	6/18/2000	856	876.17	0.5073	452.53	577	9.8029%	Fecal		CFU/100 mL	200	-	2,214,523.7
5439500	6/25/2010	854	874.17	0.5073	451.51	578	9.8199%	Fecal		CFU/100 mL	200	-	2,209,558.6
5439500	8/7/2010	854	874.17	0.5073	451.51	578	9.8199%	Fecal		CFU/100 mL	200	-	2,209,558.6
5439500	6/14/2017	854	874.17	0.5073	451.51	578	9.8199%	Fecal		CFU/100 mL	200	-	2,209,558.6
5439500	5/6/2003	853	873.17	0.5073	451.00	581	9.8709%	Fecal		CFU/100 mL	200	-	2,207,076.0
5439500	6/21/2010	851	871.17	0.5073	449.99	582	9.8879%	Fecal		CFU/100 mL	200	-	2,202,110.9
5439500	6/1/1995	850	870.17	0.5073	449.48	583	9.9049%	Fecal		CFU/100 mL	200	-	2,199,628.3
5439500	10/26/2009	850	870.17	0.5073	449.48	583	9.9049%	Fecal		CFU/100 mL	200	-	2,199,628.3
5439500	6/14/2015	850	870.17	0.5073	449.48	583	9.9049%	Fecal		CFU/100 mL	200	-	2,199,628.3
5439500	7/29/2010	849	869.17	0.5073	448.97	586	9.9558%	Fecal		CFU/100 mL	200	-	2,197,145.8
5439500	6/23/2009	846	866.17	0.5073	447.45	587	9.9728%	Fecal		CFU/100 mL	200	-	2,189,698.1
5439500	5/14/1998	845	865.17	0.5073	446.95	588	9.9898%	Fecal		CFU/100 mL	200	-	2,187,215.5
5439500	8/23/2002	845	865.17	0.5073	446.95	588	9.9898%	Fecal		CFU/100 mL	200	-	2,187,215.5
5439500	5/15/2003	845	865.17	0.5073	446.95	588	9.9898%	Fecal		CFU/100 mL	200	-	2,187,215.5
5439500	5/27/2019	845	865.17	0.5073	446.95	588	9.9898%	Fecal		CFU/100 mL	200	-	2,187,215.5
5439500	10/9/2019	844	864.17	0.5073	446.44	592	10.0578%	Fecal		CFU/100 mL	200	-	2,184,733.0
5439500	5/14/2008	842	862.17	0.5073	445.42	593	10.0748%	Fecal		CFU/100 mL	200	-	2,179,767.9
5439500	5/5/2016	841	861.17	0.5073	444.92	594	10.0917%	Fecal		CFU/100 mL	200	-	2,177,285.3
5439500	5/14/2015	840	860.17	0.5073	444.41	595	10.1087%	Fecal		CFU/100 mL	200	-	2,174,802.7
5439500	6/27/2000	839	859.17	0.5073	443.90	596	10.1257%	Fecal		CFU/100 mL	200	-	2,172,320.2
5439500	5/27/2020	838	858.17	0.5073	443.39	597	10.1427%	Fecal		CFU/100 mL	200	-	2,169,837.6
5439500	9/28/1993	836	856.17	0.5073	442.38	598	10.1597%	Fecal		CFU/100 mL	200	-	2,164,872.5
5439500	7/8/2014	835	855.17	0.5073	441.87	599	10.1767%	Fecal		CFU/100 mL	200	-	2,162,389.9
5439500	8/2/1996	833	853.17	0.5073	440.86	600	10.1937%	Fecal		CFU/100 mL	200	-	2,157,424.8
5439500	7/2/2013	833	853.17	0.5073	440.86	600	10.1937%	Fecal		CFU/100 mL	200	-	2,157,424.8
5439500	5/24/2018	832	852.17	0.5073	440.35	602	10.2277%	Fecal		CFU/100 mL	200	-	2,154,942.3
5439500	5/7/2017	830	850.17	0.5073	439.34	603	10.2446%	Fecal		CFU/100 mL	200	-	2,149,977.1
5439500	10/10/2018	829	849.17	0.5073	438.83	604	10.2616%	Fecal		CFU/100 mL	200	-	2,147,494.6
5439500	6/2/1995	828	848.17	0.5073	438.32	605	10.2786%	Fecal		CFU/100 mL	200	-	2,145,012.0
5439500	5/6/1993	826	846.17	0.5073	437.31	606	10.2956%	Fecal		CFU/100 mL	200	-	2,140,046.9
5439500	6/14/1998	826	846.17	0.5073	437.31	606	10.2956%	Fecal		CFU/100 mL	200	-	2,140,046.9
5439500	5/2/2003	826	846.17	0.5073	437.31	606	10.2956%	Fecal		CFU/100 mL	200	-	2,140,046.9
5439500	5/4/1993	825	845.17	0.5073	436.80	609	10.3466%	Fecal		CFU/100 mL	200	-	2,137,564.3
5439500	5/1/1995	825	845.17	0.5073	436.80	609	10.3466%	Fecal		CFU/100 mL	200	-	2,137,564.3
5439500	6/19/2018	825	845.17	0.5073	436.80	609	10.3466%	Fecal		CFU/100 mL	200	-	2,137,564.3
5439500	6/12/2014	824	844.17	0.5073	436.29	612	10.3976%	Fecal		CFU/100 mL	200	-	2,135,081.8
5439500	10/12/2019	824	844.17	0.5073	436.29	612	10.3976%	Fecal		CFU/100 mL	200	-	2,135,081.8
5439500	5/13/2011	823	843.17	0.5073	435.78	614	10.4315%	Fecal		CFU/100 mL	200	-	2,132,599.2
5439500	6/4/2000	820	840.17	0.5073	434.26	615	10.4485%	Fecal		CFU/100 mL	200	-	2,125,151.5
5439500	6/17/1990	819	839.17	0.5073	433.76	616	10.4655%	Fecal		CFU/100 mL	200	-	2,122,669.0
5439500	7/12/2017	814	834.17	0.5073	431.22	617	10.4825%	Fecal		CFU/100 mL	200	-	2,110,256.2
5439500	5/18/2019	814	834.17	0.5073	431.22	617	10.4825%	Fecal		CFU/100 mL	200	-	2,110,256.2
5439500	7/13/2017	813	833.17	0.5073	430.71	619	10.5165%	Fecal		CFU/100 mL	200	-	2,107,773.6
5439500	5/9/1997	812	832.17	0.5073	430.20	620	10.5335%	Fecal		CFU/100 mL	200	-	2,105,291.0
5439500	9/21/2001	810	830.17	0.5073	429.19	621	10.5505%	Fecal		CFU/100 mL	200	-	2,100,325.9
5439500	6/24/1996	809	829.17	0.5073	428.68	622	10.5674%	Fecal		CFU/100 mL	200	-	2,097,843.4
5439500	6/11/2006	809	829.17	0.5073	428.68	622	10.5674%	Fecal		CFU/100 mL	200	-	2,097,843.4
5439500	6/29/1990	808	828.17	0.5073	428.18	624	10.6014%	Fecal		CFU/100 mL	200	-	2,095,360.8
5439500	5/29/2004	808	828.17	0.5073	428.18	624	10.6014%	Fecal		CFU/100 mL	200	-	2,095,360.8
5439500	6/8/2019	808	828.17	0.5073	428.18	624	10.6014%	Fecal		CFU/100 mL	200	-	2,095,360.8
5439500	5/22/2019	805	825.17	0.5073	426.65	627	10.6524%	Fecal		CFU/100 mL	200	-	2,087,913.1
5439500	5/28/2020	804	824.17	0.5073	426.15	628	10.6694%	Fecal		CFU/100 mL	200	-	2,085,430.6
5439500	5/28/2015	803	823.17	0.5073	425.64	629	10.6864%	Fecal		CFU/100 mL	200	-	2,082,948.0
5439500	7/13/2014	802	822.17	0.5073	425.13	630	10.7034%	Fecal		CFU/100 mL	200	-	2,080,465.4
5439500	5/9/2017	802	822.17	0.5073	425.13	630	10.7034%	Fecal		CFU/100 mL	200	-	2,080,465.4
5439500	7/1/2018	802	822.17	0.5073	425.13	630	10.7034%	Fecal		CFU/100 mL	200	-	2,080,465.4
5439500	6/24/2010	801	821.17	0.5073	424.62	633	10.7543%	Fecal		CFU/100 mL	200	-	2,077,982.9
5439500	6/29/2015	801	821.17	0.5073	424.62	633	10.7543%	Fecal		CFU/100 mL	200	-	2,077,982.9
5439500	6/16/2009	799	819.17	0.5073	423.61	635	10.7883%	Fecal		CFU/100 mL	200	-	2,073,017.8
5439500	5/18/2018	797	817.17	0.5073	422.60	636	10.8053%	Fecal		CFU/100 mL	200	-	2,068,052.6
5439500	6/16/2011	796	816.17	0.5073	422.09	637	10.8223%	Fecal		CFU/100 mL	200	-	2,065,570.1
5439500	7/2/2021	796	816.17	0.5073	422.09	637	10.8223%	Fecal		CFU/100 mL	200	-	2,065,570.1
5439500	9/17/2019	795	815.17	0.5073	421.58	639	10.8563%	Fecal		CFU/100 mL	200	-	2,063,087.5
5439500	5/1/1993	794	814.17	0.5073	421.07	640	10.8733%	Fecal		CFU/100 mL	200	-	2,060,605.0
5439500	6/26/1993	793	813.17	0.5073	420.57	641	10.8902%	Fecal		CFU/100 mL	200	-	2,058,122.4
5439500	10/3/2018	793	813.17	0.5073	420.57	641	10.8902%	Fecal		CFU/100 mL	200	-	2,058,122.4
5439500	10/21/1998	790	810.17	0.5073	419.04	643	10.9242%	Fecal		CFU/100 mL	200	-	2,050,674.7
5439500	6/8/2001	789	809.17	0.5073	418.54	644	10.9412%	Fecal		CFU/100 mL	200	-	2,048,192.2
5439500	5/15/2019	785	805.17	0.5073	416.51	645	10.9582%	Fecal		CFU/100 mL	200	-	2,038,261.9
5439500	9/23/2000	782	802.17	0.5073	414.99	646	10.9752%	Fecal		CFU/100 mL	200	-	2,030,814.2
5439500	5/15/1995	781	801.17	0.5073	414.48	647	10.9922%	Fecal		CFU/100 mL	200	-	2,028,331.7
5439500	5/17/2019	777	797.17	0.5073	412.45	648	11.0092%	Fecal		CFU/100 mL	200	-	2,018,401.4
5439500	5/19/2016	776	796.17	0.5073	411.94	649	11.0262%	Fecal		CFU/100 mL	200	-	2,015,918.9
5439500	5/3/2013	775	795.17	0.5073	411.43	650	11.0432%	Fecal		CFU/100 mL	200	-	2,013,436.3
5439500	6/30/2015	775	795.17	0.5073	411.43	650	11.0432%	Fecal		CFU/100 mL	200	-	2,013,436.3
5439500	7/29/2017	773	793.17	0.5073	410.42	652	11.0771%	Fecal		CFU/100 mL	200	-	2,008,471.2
5439500	5/20/2010	772	792.17	0.5073	409.91	653	11.0941%	Fecal		CFU/100 mL	200	-	2,005,988.6
5439500	5/20/1990	771	791.17	0.5073	409.41	654	11.1111%	Fecal		CFU/100 mL	200	-	2,003,506.1
5439500	6/11/2004	771	791.17	0.5073	409.41	654	11.1111%	Fecal		CFU/100 mL	200	-	2,003,506.1
5439500	10/11/2019	771	791.17	0.5073	409.41	654	11.1111%	Fecal		CFU/100 mL	200	-	2,003,506.1
5439500	5/10/2009	770	790.17	0.5073	408.90	657	11.1621%	Fecal		CFU/100 mL	200	-	2,001,023.5
5439500	7/1/1990	769	789.17	0.5073	408.39	658	11.1791%	Fecal		CFU/100 mL	200	-	1,998,541.0
5439500	6/5/1999	769	789.17	0.5073	408.39	658	11.1791%	Fecal		CFU/100 mL	200	-	1,998,541.0
5439500	10/28/2009	767	787.17	0.5073	407.38	660	11.2130%	Fecal		CFU/100 mL	200	-	1,993,575.8
5439500	5/27/2015	767	787.17	0.5073	407.38	660	11.2130%	Fecal		CFU/100 mL	200	-	1,993,575.8
5439500	6/1/2000	764	784.17	0.5073	405.85	662	11.2470%	Fecal		CFU/100 mL	200	-	1,986,128.2
5439500	9/21/2019	763	783.17	0.5073	405.35	663	11.2640%	Fecal		CFU/100 mL	200	-	1,983,645.6
5439500	7/24/1993	762	782.17	0.5073	404.84	664	11.2810%	Fecal		CFU/100 mL	200	-	1,981,163.0
5439500	8/13/1996	761	781.17	0.5073	404.33	665	11.2980%	Fecal		CFU/100 mL	200	-	1,978,680.5
5439500	6/7/2004	761	781.17	0.5073	404.33	665	11.2980%	Fecal		CFU/100 mL	200	-	1,978,680.5
5439500	6/13/1996	760	780.17	0.5073	403.83	667	11.3320%	Fecal		CFU/100 mL	200	-	1,976,197.9
5439500	7/28/1993	759	779.17	0.5073	403.32	668	11.3490%	Fecal		CFU/100 mL	200	-	1,973,715.4
5439500	7/15/2014	759	779.17	0.5073	403.32	668	11.3490%	Fecal		CFU/100 mL	200	-	1,973,715.4
5439500	6/17/2004	758	778.17	0.5073	402.81	670	11.3829%	Fecal		CFU/100 mL	200	-	1,971,232.8
5439500	7/11/2015	756	776.17	0.5073	401.80	671	11.3999%	Fecal		CFU/100 mL	200	-	1,966,267.7
5439500	7/20/2008	755	775.17	0.5073	401.29	672	11.4169%	Fecal		CFU/100 mL	200	-	1,963,785.1
5439500	5/29/2020	755	775.17	0.5073	401.29	672	11.4169%	Fecal		CFU/100 mL	200	-	1,963,785.1
5439500	6/14/2018	754	774.17	0.5073	400.78	674	11.4509%	Fecal		CFU/100 mL	200	-	1,961,302.6
5439500	5/16/1990	751	771.17	0.5073	399.26	675	11.4679%	Fecal		CFU/100 mL	200	-	1,953,854.9
5439500	5/15/2015	751	771.17	0.5073	399.26	675	11.4679%	Fecal		CFU/100 mL	200	-	1,953,854.9
5439500	5/3/1993	750	770.17	0.5073	398.75	677	11.5019%	Fecal		CFU/100 mL	200	-	1,951,372.3
5439500	5/8/2012	748	768.17	0.5073	397.74	678	11.5189%	Fecal		CFU/100 mL	200	-	1,946,407.2

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/2/2007	745	765.17	0.5073	396.22	679	11.5358%	Fecal		CFU/100 mL	200	-	1,938,959.5
5439500	7/21/2008	745	765.17	0.5073	396.22	679	11.5358%	Fecal		CFU/100 mL	200	-	1,938,959.5
5439500	5/22/1999	743	763.17	0.5073	395.20	681	11.5698%	Fecal		CFU/100 mL	200	-	1,933,994.4
5439500	6/20/1999	742	762.17	0.5073	394.69	682	11.5868%	Fecal		CFU/100 mL	200	-	1,931,511.8
5439500	6/9/2007	742	762.17	0.5073	394.69	682	11.5868%	Fecal		CFU/100 mL	200	-	1,931,511.8
5439500	6/10/1999	741	761.17	0.5073	394.19	684	11.6208%	Fecal		CFU/100 mL	200	-	1,929,029.3
5439500	7/8/1993	738	758.17	0.5073	392.66	685	11.6378%	Fecal		CFU/100 mL	200	-	1,921,581.6
5439500	5/5/2009	737	757.17	0.5073	392.16	686	11.6548%	Fecal		CFU/100 mL	200	-	1,919,099.0
5439500	10/11/2018	737	757.17	0.5073	392.16	686	11.6548%	Fecal		CFU/100 mL	200	-	1,919,099.0
5439500	6/22/1996	731	751.17	0.5073	389.11	688	11.6888%	Fecal		CFU/100 mL	200	-	1,904,203.7
5439500	5/21/2018	731	751.17	0.5073	389.11	688	11.6888%	Fecal		CFU/100 mL	200	-	1,904,203.7
5439500	5/31/1991	727	747.17	0.5073	387.08	690	11.7227%	Fecal		CFU/100 mL	200	-	1,894,273.4
5439500	5/3/1999	727	747.17	0.5073	387.08	690	11.7227%	Fecal		CFU/100 mL	200	-	1,894,273.4
5439500	5/2/1993	725	745.17	0.5073	386.07	692	11.7567%	Fecal		CFU/100 mL	200	-	1,889,308.3
5439500	5/20/1999	725	745.17	0.5073	386.07	692	11.7567%	Fecal		CFU/100 mL	200	-	1,889,308.3
5439500	10/10/2019	724	744.17	0.5073	385.56	694	11.7907%	Fecal		CFU/100 mL	200	-	1,886,825.8
5439500	5/5/1990	723	743.17	0.5073	385.06	695	11.8077%	Fecal		CFU/100 mL	200	-	1,884,343.2
5439500	7/8/1998	721	741.17	0.5073	384.04	696	11.8247%	Fecal		CFU/100 mL	200	-	1,879,378.1
5439500	6/3/2001	721	741.17	0.5073	384.04	696	11.8247%	Fecal		CFU/100 mL	200	-	1,879,378.1
5439500	7/15/2008	719	739.17	0.5073	383.03	698	11.8586%	Fecal		CFU/100 mL	200	-	1,874,413.0
5439500	5/16/2019	717	737.17	0.5073	382.01	699	11.8756%	Fecal		CFU/100 mL	200	-	1,869,447.8
5439500	5/7/1993	716	736.17	0.5073	381.50	700	11.8926%	Fecal		CFU/100 mL	200	-	1,866,965.3
5439500	6/13/2002	716	736.17	0.5073	381.50	700	11.8926%	Fecal		CFU/100 mL	200	-	1,866,965.3
5439500	6/1/2018	715	735.17	0.5073	381.00	702	11.9266%	Fecal		CFU/100 mL	200	-	1,864,482.7
5439500	10/13/2019	714	734.17	0.5073	380.49	703	11.9436%	Fecal		CFU/100 mL	200	-	1,862,000.2
5439500	7/5/1993	713	733.17	0.5073	379.98	704	11.9606%	Fecal		CFU/100 mL	200	-	1,859,517.6
5439500	5/15/1998	713	733.17	0.5073	379.98	704	11.9606%	Fecal		CFU/100 mL	200	-	1,859,517.6
5439500	5/20/2002	713	733.17	0.5073	379.98	704	11.9606%	Fecal		CFU/100 mL	200	-	1,859,517.6
5439500	5/21/1990	712	732.17	0.5073	379.47	707	12.0116%	Fecal		CFU/100 mL	200	-	1,857,035.0
5439500	7/9/2014	712	732.17	0.5073	379.47	707	12.0116%	Fecal		CFU/100 mL	200	-	1,857,035.0
5439500	5/29/2009	711	731.17	0.5073	378.97	709	12.0455%	Fecal		CFU/100 mL	200	-	1,854,552.5
5439500	5/16/2017	710	730.17	0.5073	378.46	710	12.0625%	Fecal		CFU/100 mL	200	-	1,852,069.9
5439500	6/28/2020	710	730.17	0.5073	378.46	710	12.0625%	Fecal		CFU/100 mL	200	-	1,852,069.9
5439500	6/6/1995	709	729.17	0.5073	377.95	712	12.0965%	Fecal		CFU/100 mL	200	-	1,849,587.4
5439500	5/22/1998	709	729.17	0.5073	377.95	712	12.0965%	Fecal		CFU/100 mL	200	-	1,849,587.4
5439500	6/5/2001	708	728.17	0.5073	377.45	714	12.1305%	Fecal		CFU/100 mL	200	-	1,847,104.8
5439500	5/6/1990	707	727.17	0.5073	376.94	715	12.1475%	Fecal		CFU/100 mL	200	-	1,844,622.2
5439500	6/12/2008	706	726.17	0.5073	376.43	716	12.1645%	Fecal		CFU/100 mL	200	-	1,842,139.7
5439500	6/28/2014	706	726.17	0.5073	376.43	716	12.1645%	Fecal		CFU/100 mL	200	-	1,842,139.7
5439500	5/21/2019	706	726.17	0.5073	376.43	716	12.1645%	Fecal		CFU/100 mL	200	-	1,842,139.7
5439500	9/28/2019	706	726.17	0.5073	376.43	716	12.1645%	Fecal		CFU/100 mL	200	-	1,842,139.7
5439500	7/5/1998	705	725.17	0.5073	375.92	720	12.2324%	Fecal		CFU/100 mL	200	-	1,839,657.1
5439500	6/5/2011	705	725.17	0.5073	375.92	720	12.2324%	Fecal		CFU/100 mL	200	-	1,839,657.1
5439500	7/20/1990	704	724.17	0.5073	375.42	722	12.2664%	Fecal		CFU/100 mL	200	-	1,837,174.6
5439500	7/20/2015	702	722.17	0.5073	374.40	723	12.2834%	Fecal		CFU/100 mL	200	-	1,832,209.4
5439500	5/4/2020	702	722.17	0.5073	374.40	723	12.2834%	Fecal		CFU/100 mL	200	-	1,832,209.4
5439500	6/6/2007	700	720.17	0.5073	373.39	725	12.3174%	Fecal		CFU/100 mL	200	-	1,827,244.3
5439500	5/4/2013	699	719.17	0.5073	372.88	726	12.3344%	Fecal		CFU/100 mL	200	-	1,824,761.8
5439500	5/19/2009	698	718.17	0.5073	372.37	727	12.3513%	Fecal		CFU/100 mL	200	-	1,822,279.2
5439500	5/17/1995	697	717.17	0.5073	371.87	728	12.3683%	Fecal		CFU/100 mL	200	-	1,819,796.6
5439500	6/11/1998	697	717.17	0.5073	371.87	728	12.3683%	Fecal		CFU/100 mL	200	-	1,819,796.6
5439500	6/22/2004	697	717.17	0.5073	371.87	728	12.3683%	Fecal		CFU/100 mL	200	-	1,819,796.6
5439500	8/3/1996	695	715.17	0.5073	370.85	731	12.4193%	Fecal		CFU/100 mL	200	-	1,814,831.5
5439500	6/15/1990	694	714.17	0.5073	370.34	732	12.4363%	Fecal		CFU/100 mL	200	-	1,812,349.0
5439500	5/2/1995	693	713.17	0.5073	369.84	733	12.4533%	Fecal		CFU/100 mL	200	-	1,809,866.4
5439500	5/3/1998	692	712.17	0.5073	369.33	734	12.4703%	Fecal		CFU/100 mL	200	-	1,807,383.8
5439500	5/8/1997	691	711.17	0.5073	368.82	735	12.4873%	Fecal		CFU/100 mL	200	-	1,804,901.3
5439500	6/19/2000	690	710.17	0.5073	368.31	736	12.5042%	Fecal		CFU/100 mL	200	-	1,802,418.7
5439500	6/9/2019	690	710.17	0.5073	368.31	736	12.5042%	Fecal		CFU/100 mL	200	-	1,802,418.7
5439500	8/21/1990	689	709.17	0.5073	367.81	738	12.5382%	Fecal		CFU/100 mL	200	-	1,799,936.2
5439500	5/21/2010	688	708.17	0.5073	367.30	739	12.5552%	Fecal		CFU/100 mL	200	-	1,797,453.6
5439500	6/5/2000	687	707.17	0.5073	366.79	740	12.5722%	Fecal		CFU/100 mL	200	-	1,794,971.0
5439500	7/1/2015	687	707.17	0.5073	366.79	740	12.5722%	Fecal		CFU/100 mL	200	-	1,794,971.0
5439500	6/2/2001	683	703.17	0.5073	364.76	742	12.6062%	Fecal		CFU/100 mL	200	-	1,785,040.8
5439500	5/23/1999	682	702.17	0.5073	364.26	743	12.6232%	Fecal		CFU/100 mL	200	-	1,782,558.2
5439500	6/30/2010	681	701.17	0.5073	363.75	744	12.6402%	Fecal		CFU/100 mL	200	-	1,780,075.7
5439500	5/30/2020	681	701.17	0.5073	363.75	744	12.6402%	Fecal		CFU/100 mL	200	-	1,780,075.7
5439500	5/1/2011	680	700.17	0.5073	363.24	746	12.6741%	Fecal		CFU/100 mL	200	-	1,777,593.1
5439500	6/14/2002	679	699.17	0.5073	362.73	747	12.6911%	Fecal		CFU/100 mL	200	-	1,775,110.6
5439500	6/3/1991	678	698.17	0.5073	362.23	748	12.7081%	Fecal		CFU/100 mL	200	-	1,772,628.0
5439500	5/9/1999	678	698.17	0.5073	362.23	748	12.7081%	Fecal		CFU/100 mL	200	-	1,772,628.0
5439500	6/12/2009	677	697.17	0.5073	361.72	750	12.7421%	Fecal		CFU/100 mL	200	-	1,770,145.4
5439500	6/17/2011	677	697.17	0.5073	361.72	750	12.7421%	Fecal		CFU/100 mL	200	-	1,770,145.4
5439500	8/31/2016	677	697.17	0.5073	361.72	750	12.7421%	Fecal		CFU/100 mL	200	-	1,770,145.4
5439500	6/13/2014	676	696.17	0.5073	361.21	753	12.7931%	Fecal		CFU/100 mL	200	-	1,767,662.9
5439500	8/14/1994	674	694.17	0.5073	360.20	754	12.8101%	Fecal		CFU/100 mL	200	-	1,762,697.8
5439500	5/16/1995	674	694.17	0.5073	360.20	754	12.8101%	Fecal		CFU/100 mL	200	-	1,762,697.8
5439500	5/6/2016	674	694.17	0.5073	360.20	754	12.8101%	Fecal		CFU/100 mL	200	-	1,762,697.8
5439500	5/8/2017	674	694.17	0.5073	360.20	754	12.8101%	Fecal		CFU/100 mL	200	-	1,762,697.8
5439500	5/27/1997	673	693.17	0.5073	359.69	758	12.8780%	Fecal		CFU/100 mL	200	-	1,760,215.2
5439500	7/30/2010	671	691.17	0.5073	358.68	759	12.8950%	Fecal		CFU/100 mL	200	-	1,755,250.1
5439500	6/5/2007	670	690.17	0.5073	358.17	760	12.9120%	Fecal		CFU/100 mL	200	-	1,752,767.5
5439500	6/26/1996	669	689.17	0.5073	357.66	761	12.9290%	Fecal		CFU/100 mL	200	-	1,750,285.0
5439500	8/25/1999	668	688.17	0.5073	357.15	762	12.9460%	Fecal		CFU/100 mL	200	-	1,747,802.4
5439500	5/17/2011	668	688.17	0.5073	357.15	762	12.9460%	Fecal		CFU/100 mL	200	-	1,747,802.4
5439500	7/6/2000	667	687.17	0.5073	356.65	764	12.9800%	Fecal		CFU/100 mL	200	-	1,745,319.8
5439500	5/16/2015	667	687.17	0.5073	356.65	764	12.9800%	Fecal		CFU/100 mL	200	-	1,745,319.8
5439500	6/14/1990	664	684.17	0.5073	355.12	766	13.0139%	Fecal		CFU/100 mL	200	-	1,737,872.2
5439500	6/14/1996	664	684.17	0.5073	355.12	766	13.0139%	Fecal		CFU/100 mL	200	-	1,737,872.2
5439500	6/15/1998	664	684.17	0.5073	355.12	766	13.0139%	Fecal		CFU/100 mL	200	-	1,737,872.2
5439500	10/28/2001	664	684.17	0.5073	355.12	766	13.0139%	Fecal		CFU/100 mL	200	-	1,737,872.2
5439500	7/16/2017	663	683.17	0.5073	354.62	770	13.0819%	Fecal		CFU/100 mL	200	-	1,735,389.6
5439500	5/13/1996	662	682.17	0.5073	354.11	771	13.0989%	Fecal		CFU/100 mL	200	-	1,732,907.0
5439500	7/2/2018	662	682.17	0.5073	354.11	771	13.0989%	Fecal		CFU/100 mL	200	-	1,732,907.0
5439500	6/27/2021	662	682.17	0.5073	354.11	771	13.0989%	Fecal		CFU/100 mL	200	-	1,732,907.0
5439500	8/14/1996	661	681.17	0.5073	353.60	774	13.1498%	Fecal		CFU/100 mL	200	-	1,730,424.5
5439500	5/15/2008	659	679.17	0.5073	352.59	775	13.1668%	Fecal		CFU/100 mL	200	-	1,725,459.4
5439500	5/17/2015	659	679.17	0.5073	352.59	775	13.1668%	Fecal		CFU/100 mL	200	-	1,725,459.4
5439500	5/29/2016	659	679.17	0.5073	352.59	775	13.1668%	Fecal		CFU/100 mL	200	-	1,725,459.4
5439500	7/11/2000	658	678.17	0.5073	352.08	778	13.2178%	Fecal		CFU/100 mL	200	-	1,722,976.8
5439500	5/1/2016	657	677.17	0.5073	351.57	779	13.2348%	Fecal		CFU/100 mL	200	-	1,720,494.2
5439500	6/29/1994	656	676.17	0.5073	351.07	780	13.2518%	Fecal		CFU/100 mL	200	-	1,718,011.7
5439500	5/20/2016	656	676.17	0.5073	351.07	780	13.2518%	Fecal		CFU/100 mL	200	-	1,718,011.7
5439500	5/19/1995	654	674.17	0.5073	350.05	782	13.2858%	Fecal		CFU/100 mL	200	-	1,713,046.6
5439500	6/19/1998	654	674.17	0.5073	350.05	782	13.2858%	Fecal		CFU/100 mL	200	-	1,713,046.6
5439500	5/6/2009	654	674.17	0.5073	350.05	782	13.2858%	Fecal		CFU/100 mL	200	-	1,713,046.6
5439500	5/5/2018	654	674.17	0.5073	350.05	782	13.2858%	Fecal		CFU/100 mL	200	-	1,713,046.6
5439500	5/18/1995	650	670.17	0.5073	348.02	786	13.3537%	Fecal		CFU/100 mL	200	-	1,703,116.3
5439500	6/20/1998	649	669.17	0.5073	347.52	787	13.3707%	Fecal		CFU/100 mL	200	-	1,700,633.8
5439500	5/25/2011	649	669.17	0.5073	347.52	787	13.3707%	Fecal		CFU/100 mL	200	-	1,700,633.8
5439500	10/12/2018	648	668.17	0.5073	347.01	789	13.4047%	Fecal		CFU/100 mL	200	-	1,698,151.2
5439500	5/29/2015	647	667.17	0.5073	346.50	790	13.4217%	Fecal		CFU/100 mL	200	-	1,695,668.6
5439500	6/21/1999	646	666.17	0.5073	345.99	791	13.4387%	Fecal		CFU/100 mL	200	-	1,693,186.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/17/2009	645	665.17	0.5073	345.49	792	13.4557%	Fecal		CFU/100 mL	200	-	1,690,703.5
5439500	8/8/2010	645	665.17	0.5073	345.49	792	13.4557%	Fecal		CFU/100 mL	200	-	1,690,703.5
5439500	5/26/2016	645	665.17	0.5073	345.49	792	13.4557%	Fecal		CFU/100 mL	200	-	1,690,703.5
5439500	6/16/1990	644	664.17	0.5073	344.98	795	13.5066%	Fecal		CFU/100 mL	200	-	1,688,221.0
5439500	6/22/2010	644	664.17	0.5073	344.98	795	13.5066%	Fecal		CFU/100 mL	200	-	1,688,221.0
5439500	6/12/2006	643	663.17	0.5073	344.47	797	13.5406%	Fecal		CFU/100 mL	200	-	1,685,738.4
5439500	6/29/2014	643	663.17	0.5073	344.47	797	13.5406%	Fecal		CFU/100 mL	200	-	1,685,738.4
5439500	5/27/2016	643	663.17	0.5073	344.47	797	13.5406%	Fecal		CFU/100 mL	200	-	1,685,738.4
5439500	5/17/1990	640	660.17	0.5073	342.95	800	13.5916%	Fecal		CFU/100 mL	200	-	1,678,290.7
5439500	7/12/2015	640	660.17	0.5073	342.95	800	13.5916%	Fecal		CFU/100 mL	200	-	1,678,290.7
5439500	5/9/2012	638	658.17	0.5073	341.93	802	13.6256%	Fecal		CFU/100 mL	200	-	1,673,325.6
5439500	7/3/2013	638	658.17	0.5073	341.93	802	13.6256%	Fecal		CFU/100 mL	200	-	1,673,325.6
5439500	6/1/2016	637	657.17	0.5073	341.43	804	13.6595%	Fecal		CFU/100 mL	200	-	1,670,843.0
5439500	5/18/2000	636	656.17	0.5073	340.92	805	13.6765%	Fecal		CFU/100 mL	200	-	1,668,360.5
5439500	6/5/2008	635	655.17	0.5073	340.41	806	13.6935%	Fecal		CFU/100 mL	200	-	1,665,877.9
5439500	10/27/2017	635	655.17	0.5073	340.41	806	13.6935%	Fecal		CFU/100 mL	200	-	1,665,877.9
5439500	5/31/2016	632	652.17	0.5073	338.89	808	13.7275%	Fecal		CFU/100 mL	200	-	1,658,430.2
5439500	7/6/1993	631	651.17	0.5073	338.38	809	13.7445%	Fecal		CFU/100 mL	200	-	1,655,947.7
5439500	5/21/1999	630	650.17	0.5073	337.88	810	13.7615%	Fecal		CFU/100 mL	200	-	1,653,465.1
5439500	5/18/2015	629	649.17	0.5073	337.37	811	13.7785%	Fecal		CFU/100 mL	200	-	1,650,982.6
5439500	7/29/1993	628	648.17	0.5073	336.86	812	13.7954%	Fecal		CFU/100 mL	200	-	1,648,500.0
5439500	5/4/1999	628	648.17	0.5073	336.86	812	13.7954%	Fecal		CFU/100 mL	200	-	1,648,500.0
5439500	10/1/1999	628	648.17	0.5073	336.86	812	13.7954%	Fecal		CFU/100 mL	200	-	1,648,500.0
5439500	5/16/1998	627	647.17	0.5073	336.35	815	13.8464%	Fecal		CFU/100 mL	200	-	1,646,017.4
5439500	6/28/2000	627	647.17	0.5073	336.35	815	13.8464%	Fecal		CFU/100 mL	200	-	1,646,017.4
5439500	6/8/2004	627	647.17	0.5073	336.35	815	13.8464%	Fecal		CFU/100 mL	200	-	1,646,017.4
5439500	7/30/2016	627	647.17	0.5073	336.35	815	13.8464%	Fecal		CFU/100 mL	200	-	1,646,017.4
5439500	9/22/2008	626	646.17	0.5073	335.85	819	13.9144%	Fecal		CFU/100 mL	200	-	1,643,534.9
5439500	5/11/2009	626	646.17	0.5073	335.85	819	13.9144%	Fecal		CFU/100 mL	200	-	1,643,534.9
5439500	5/8/1993	625	645.17	0.5073	335.34	821	13.9484%	Fecal		CFU/100 mL	200	-	1,641,052.3
5439500	5/1/2007	624	644.17	0.5073	334.83	822	13.9653%	Fecal		CFU/100 mL	200	-	1,638,569.8
5439500	5/22/2010	621	641.17	0.5073	333.31	823	13.9823%	Fecal		CFU/100 mL	200	-	1,631,122.1
5439500	6/17/2016	621	641.17	0.5073	333.31	823	13.9823%	Fecal		CFU/100 mL	200	-	1,631,122.1
5439500	6/18/2004	620	640.17	0.5073	332.80	825	14.0163%	Fecal		CFU/100 mL	200	-	1,628,639.5
5439500	5/28/2017	620	640.17	0.5073	332.80	825	14.0163%	Fecal		CFU/100 mL	200	-	1,628,639.5
5439500	5/5/2003	619	639.17	0.5073	332.30	827	14.0503%	Fecal		CFU/100 mL	200	-	1,626,157.0
5439500	10/4/2018	619	639.17	0.5073	332.30	827	14.0503%	Fecal		CFU/100 mL	200	-	1,626,157.0
5439500	5/25/2018	618	638.17	0.5073	331.79	829	14.0843%	Fecal		CFU/100 mL	200	-	1,623,674.4
5439500	6/23/1999	617	637.17	0.5073	331.28	830	14.1013%	Fecal		CFU/100 mL	200	-	1,621,191.8
5439500	9/3/2007	617	637.17	0.5073	331.28	830	14.1013%	Fecal		CFU/100 mL	200	-	1,621,191.8
5439500	6/7/1995	616	636.17	0.5073	330.77	832	14.1352%	Fecal		CFU/100 mL	200	-	1,618,709.3
5439500	6/23/1996	615	635.17	0.5073	330.27	833	14.1522%	Fecal		CFU/100 mL	200	-	1,616,226.7
5439500	5/4/1998	615	635.17	0.5073	330.27	833	14.1522%	Fecal		CFU/100 mL	200	-	1,616,226.7
5439500	7/22/2007	614	634.17	0.5073	329.76	835	14.1862%	Fecal		CFU/100 mL	200	-	1,613,744.2
5439500	6/18/2017	612	632.17	0.5073	328.75	836	14.2032%	Fecal		CFU/100 mL	200	-	1,608,779.0
5439500	9/26/2019	611	631.17	0.5073	328.24	837	14.2202%	Fecal		CFU/100 mL	200	-	1,606,296.5
5439500	5/27/2017	610	630.17	0.5073	327.73	838	14.2372%	Fecal		CFU/100 mL	200	-	1,603,813.9
5439500	5/2/1998	609	629.17	0.5073	327.22	839	14.2542%	Fecal		CFU/100 mL	200	-	1,601,331.4
5439500	9/29/2011	609	629.17	0.5073	327.22	839	14.2542%	Fecal		CFU/100 mL	200	-	1,601,331.4
5439500	6/16/2017	608	628.17	0.5073	326.72	841	14.2881%	Fecal		CFU/100 mL	200	-	1,598,848.8
5439500	7/9/2013	607	627.17	0.5073	326.21	842	14.3051%	Fecal		CFU/100 mL	200	-	1,596,366.2
5439500	5/5/2020	607	627.17	0.5073	326.21	842	14.3051%	Fecal		CFU/100 mL	200	-	1,596,366.2
5439500	7/21/1990	606	626.17	0.5073	325.70	844	14.3391%	Fecal		CFU/100 mL	200	-	1,593,883.7
5439500	9/29/1993	606	626.17	0.5073	325.70	844	14.3391%	Fecal		CFU/100 mL	200	-	1,593,883.7
5439500	6/9/2001	605	625.17	0.5073	325.19	846	14.3731%	Fecal		CFU/100 mL	200	-	1,591,401.1
5439500	5/10/1997	603	623.17	0.5073	324.18	847	14.3901%	Fecal		CFU/100 mL	200	-	1,586,436.0
5439500	6/6/1999	603	623.17	0.5073	324.18	847	14.3901%	Fecal		CFU/100 mL	200	-	1,586,436.0
5439500	7/23/2010	603	623.17	0.5073	324.18	847	14.3901%	Fecal		CFU/100 mL	200	-	1,586,436.0
5439500	5/3/1995	601	621.17	0.5073	323.16	850	14.4410%	Fecal		CFU/100 mL	200	-	1,581,470.9
5439500	6/20/2000	601	621.17	0.5073	323.16	850	14.4410%	Fecal		CFU/100 mL	200	-	1,581,470.9
5439500	5/12/2000	600	620.17	0.5073	322.66	852	14.4750%	Fecal		CFU/100 mL	200	-	1,578,988.3
5439500	7/10/2007	599	619.17	0.5073	322.15	853	14.4920%	Fecal		CFU/100 mL	200	-	1,576,505.8
5439500	10/29/2009	599	619.17	0.5073	322.15	853	14.4920%	Fecal		CFU/100 mL	200	-	1,576,505.8
5439500	10/18/2017	599	619.17	0.5073	322.15	853	14.4920%	Fecal		CFU/100 mL	200	-	1,576,505.8
5439500	6/15/2002	598	618.17	0.5073	321.64	856	14.5430%	Fecal		CFU/100 mL	200	-	1,574,023.2
5439500	5/20/2009	597	617.17	0.5073	321.14	857	14.5600%	Fecal		CFU/100 mL	200	-	1,571,540.6
5439500	7/31/2010	597	617.17	0.5073	321.14	857	14.5600%	Fecal		CFU/100 mL	200	-	1,571,540.6
5439500	6/13/2008	596	616.17	0.5073	320.63	859	14.5940%	Fecal		CFU/100 mL	200	-	1,569,058.1
5439500	7/31/2016	596	616.17	0.5073	320.63	859	14.5940%	Fecal		CFU/100 mL	200	-	1,569,058.1
5439500	5/1/1998	595	615.17	0.5073	320.12	861	14.6279%	Fecal		CFU/100 mL	200	-	1,566,575.5
5439500	6/22/1999	595	615.17	0.5073	320.12	861	14.6279%	Fecal		CFU/100 mL	200	-	1,566,575.5
5439500	6/15/2018	595	615.17	0.5073	320.12	861	14.6279%	Fecal		CFU/100 mL	200	-	1,566,575.5
5439500	6/10/2019	595	615.17	0.5073	320.12	861	14.6279%	Fecal		CFU/100 mL	200	-	1,566,575.5
5439500	8/4/1996	594	614.17	0.5073	319.61	865	14.6959%	Fecal		CFU/100 mL	200	-	1,564,093.0
5439500	5/16/2003	593	613.17	0.5073	319.11	866	14.7129%	Fecal		CFU/100 mL	200	-	1,561,610.4
5439500	6/2/2009	593	613.17	0.5073	319.11	866	14.7129%	Fecal		CFU/100 mL	200	-	1,561,610.4
5439500	5/19/2018	593	613.17	0.5073	319.11	866	14.7129%	Fecal		CFU/100 mL	200	-	1,561,610.4
5439500	5/20/1995	592	612.17	0.5073	318.60	869	14.7638%	Fecal		CFU/100 mL	200	-	1,559,127.8
5439500	5/9/2003	592	612.17	0.5073	318.60	869	14.7638%	Fecal		CFU/100 mL	200	-	1,559,127.8
5439500	5/24/2011	592	612.17	0.5073	318.60	869	14.7638%	Fecal		CFU/100 mL	200	-	1,559,127.8
5439500	6/6/2000	591	611.17	0.5073	318.09	872	14.8148%	Fecal		CFU/100 mL	200	-	1,556,645.3
5439500	8/14/2010	591	611.17	0.5073	318.09	872	14.8148%	Fecal		CFU/100 mL	200	-	1,556,645.3
5439500	5/10/2016	591	611.17	0.5073	318.09	872	14.8148%	Fecal		CFU/100 mL	200	-	1,556,645.3
5439500	5/17/2017	591	611.17	0.5073	318.09	872	14.8148%	Fecal		CFU/100 mL	200	-	1,556,645.3
5439500	5/24/1999	590	610.17	0.5073	317.58	876	14.8828%	Fecal		CFU/100 mL	200	-	1,554,162.7
5439500	10/14/2019	590	610.17	0.5073	317.58	876	14.8828%	Fecal		CFU/100 mL	200	-	1,554,162.7
5439500	6/23/1990	589	609.17	0.5073	317.08	878	14.9168%	Fecal		CFU/100 mL	200	-	1,551,680.2
5439500	5/21/2002	589	609.17	0.5073	317.08	878	14.9168%	Fecal		CFU/100 mL	200	-	1,551,680.2
5439500	7/30/2017	589	609.17	0.5073	317.08	878	14.9168%	Fecal		CFU/100 mL	200	-	1,551,680.2
5439500	10/16/2014	587	607.17	0.5073	316.06	881	14.9677%	Fecal		CFU/100 mL	200	-	1,546,715.0
5439500	5/22/1990	586	606.17	0.5073	315.56	882	14.9847%	Fecal		CFU/100 mL	200	-	1,544,232.5
5439500	5/31/2020	586	606.17	0.5073	315.56	882	14.9847%	Fecal		CFU/100 mL	200	-	1,544,232.5
5439500	6/24/1999	585	605.17	0.5073	315.05	884	15.0187%	Fecal		CFU/100 mL	200	-	1,541,749.9
5439500	7/2/2015	585	605.17	0.5073	315.05	884	15.0187%	Fecal		CFU/100 mL	200	-	1,541,749.9
5439500	6/15/1996	584	604.17	0.5073	314.54	886	15.0527%	Fecal		CFU/100 mL	200	-	1,539,267.4
5439500	8/9/2010	584	604.17	0.5073	314.54	886	15.0527%	Fecal		CFU/100 mL	200	-	1,539,267.4
5439500	6/26/2021	584	604.17	0.5073	314.54	886	15.0527%	Fecal		CFU/100 mL	200	-	1,539,267.4
5439500	8/22/1990	583	603.17	0.5073	314.03	889	15.1036%	Fecal		CFU/100 mL	200	-	1,536,784.8
5439500	5/23/1998	583	603.17	0.5073	314.03	889	15.1036%	Fecal		CFU/100 mL	200	-	1,536,784.8
5439500	6/7/2007	582	602.17	0.5073	313.53	891	15.1376%	Fecal		CFU/100 mL	200	-	1,534,302.2
5439500	6/6/2011	581	601.17	0.5073	313.02	892	15.1546%	Fecal		CFU/100 mL	200	-	1,531,819.7
5439500	6/21/2004	580	600.17	0.5073	312.51	893	15.1716%	Fecal		CFU/100 mL	200	-	1,529,337.1
5439500	6/5/2016	578	598.17	0.5073	311.50	894	15.1886%	Fecal		CFU/100 mL	200	-	1,524,372.0
5439500	6/24/1990	577	597.17	0.5073	310.99	895	15.2056%	Fecal		CFU/100 mL	200	-	1,521,889.4
5439500	5/7/2016	577	597.17	0.5073	310.99	895	15.2056%	Fecal		CFU/100 mL	200	-	1,521,889.4
5439500	8/15/1996	575	595.17	0.5073	309.98	897	15.2396%	Fecal		CFU/100 mL	200	-	1,516,924.3
5439500	6/21/2000	574	594.17	0.5073	309.47	898	15.2565%	Fecal		CFU/100 mL	200	-	1,514,441.8
5439500	6/3/2009	574	594.17	0.5073	309.47	898	15.2565%	Fecal		CFU/100 mL	200	-	1,514,441.8
5439500	5/2/2011	573	593.17	0.5073	308.96	900	15.2905%	Fecal		CFU/100 mL	200	-	1,511,959.2
5439500	5/5/2013	573	593.17	0.5073	308.96	900	15.2905%	Fecal		CFU/100 mL	200	-	1,511,959.2
5439500	5/10/1999	572	592.17	0.5073	308.45	902	15.3245%	Fecal		CFU/100 mL	200	-	1,509,476.6
5439500	6/23/2010	571	591.17	0.5073	307.95	903	15.3415%	Fecal		CFU/100 mL	200	-	1,506,994.1
5439500	6/4/2008	570	590.17	0.5073	307.44	904	15.3585%	Fecal		CFU/100 mL	200	-	1,504,511.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/21/2015	570	590.17	0.5073	307.44	904	15.3585%	Fecal		CFU/100 mL	200	-	1,504,511.5
5439500	5/27/2008	569	589.17	0.5073	306.93	906	15.3925%	Fecal		CFU/100 mL	200	-	1,502,029.0
5439500	6/14/2008	569	589.17	0.5073	306.93	906	15.3925%	Fecal		CFU/100 mL	200	-	1,502,029.0
5439500	8/30/2009	569	589.17	0.5073	306.93	906	15.3925%	Fecal		CFU/100 mL	200	-	1,502,029.0
5439500	5/26/2010	569	589.17	0.5073	306.93	906	15.3925%	Fecal		CFU/100 mL	200	-	1,502,029.0
5439500	6/18/1990	568	588.17	0.5073	306.42	910	15.4604%	Fecal		CFU/100 mL	200	-	1,499,546.4
5439500	6/28/2021	568	588.17	0.5073	306.42	910	15.4604%	Fecal		CFU/100 mL	200	-	1,499,546.4
5439500	5/19/1991	567	587.17	0.5073	305.92	912	15.4944%	Fecal		CFU/100 mL	200	-	1,497,063.8
5439500	5/21/2016	567	587.17	0.5073	305.92	912	15.4944%	Fecal		CFU/100 mL	200	-	1,497,063.8
5439500	5/30/2009	565	585.17	0.5073	304.90	914	15.5284%	Fecal		CFU/100 mL	200	-	1,492,098.7
5439500	5/5/1999	564	584.17	0.5073	304.39	915	15.5454%	Fecal		CFU/100 mL	200	-	1,489,616.2
5439500	5/11/2000	564	584.17	0.5073	304.39	915	15.5454%	Fecal		CFU/100 mL	200	-	1,489,616.2
5439500	8/24/2011	564	584.17	0.5073	304.39	915	15.5454%	Fecal		CFU/100 mL	200	-	1,489,616.2
5439500	6/15/2016	564	584.17	0.5073	304.39	915	15.5454%	Fecal		CFU/100 mL	200	-	1,489,616.2
5439500	5/6/2020	563	583.17	0.5073	303.89	919	15.6133%	Fecal		CFU/100 mL	200	-	1,487,133.6
5439500	5/18/1991	561	581.17	0.5073	302.87	920	15.6303%	Fecal		CFU/100 mL	200	-	1,482,168.5
5439500	7/10/1993	561	581.17	0.5073	302.87	920	15.6303%	Fecal		CFU/100 mL	200	-	1,482,168.5
5439500	7/16/2014	560	580.17	0.5073	302.37	922	15.6643%	Fecal		CFU/100 mL	200	-	1,479,685.9
5439500	6/18/2011	559	579.17	0.5073	301.86	923	15.6813%	Fecal		CFU/100 mL	200	-	1,477,203.4
5439500	5/18/1990	557	577.17	0.5073	300.84	924	15.6983%	Fecal		CFU/100 mL	200	-	1,472,238.2
5439500	5/7/1991	557	577.17	0.5073	300.84	924	15.6983%	Fecal		CFU/100 mL	200	-	1,472,238.2
5439500	5/10/2000	557	577.17	0.5073	300.84	924	15.6983%	Fecal		CFU/100 mL	200	-	1,472,238.2
5439500	6/18/2009	557	577.17	0.5073	300.84	924	15.6983%	Fecal		CFU/100 mL	200	-	1,472,238.2
5439500	5/7/1990	556	576.17	0.5073	300.34	928	15.7662%	Fecal		CFU/100 mL	200	-	1,469,755.7
5439500	8/5/1996	556	576.17	0.5073	300.34	928	15.7662%	Fecal		CFU/100 mL	200	-	1,469,755.7
5439500	10/22/1998	555	575.17	0.5073	299.83	930	15.8002%	Fecal		CFU/100 mL	200	-	1,467,273.1
5439500	5/30/2015	555	575.17	0.5073	299.83	930	15.8002%	Fecal		CFU/100 mL	200	-	1,467,273.1
5439500	5/9/1993	553	573.17	0.5073	298.81	932	15.8342%	Fecal		CFU/100 mL	200	-	1,462,308.0
5439500	6/10/2020	553	573.17	0.5073	298.81	932	15.8342%	Fecal		CFU/100 mL	200	-	1,462,308.0
5439500	5/27/2010	552	572.17	0.5073	298.31	934	15.8682%	Fecal		CFU/100 mL	200	-	1,459,825.4
5439500	5/26/2015	552	572.17	0.5073	298.31	934	15.8682%	Fecal		CFU/100 mL	200	-	1,459,825.4
5439500	6/21/2021	552	572.17	0.5073	298.31	934	15.8682%	Fecal		CFU/100 mL	200	-	1,459,825.4
5439500	6/2/2016	551	571.17	0.5073	297.80	937	15.9191%	Fecal		CFU/100 mL	200	-	1,457,342.9
5439500	7/2/1990	550	570.17	0.5073	297.29	938	15.9361%	Fecal		CFU/100 mL	200	-	1,454,860.3
5439500	7/7/1993	550	570.17	0.5073	297.29	938	15.9361%	Fecal		CFU/100 mL	200	-	1,454,860.3
5439500	5/31/2015	550	570.17	0.5073	297.29	938	15.9361%	Fecal		CFU/100 mL	200	-	1,454,860.3
5439500	6/4/1991	549	569.17	0.5073	296.79	941	15.9871%	Fecal		CFU/100 mL	200	-	1,452,377.8
5439500	5/12/2009	549	569.17	0.5073	296.79	941	15.9871%	Fecal		CFU/100 mL	200	-	1,452,377.8
5439500	7/10/2014	549	569.17	0.5073	296.79	941	15.9871%	Fecal		CFU/100 mL	200	-	1,452,377.8
5439500	7/3/2021	549	569.17	0.5073	296.79	941	15.9871%	Fecal		CFU/100 mL	200	-	1,452,377.8
5439500	5/7/2003	547	567.17	0.5073	295.77	945	16.0550%	Fecal		CFU/100 mL	200	-	1,447,412.6
5439500	6/27/1996	546	566.17	0.5073	295.26	946	16.0720%	Fecal		CFU/100 mL	200	-	1,444,930.1
5439500	6/10/2004	546	566.17	0.5073	295.26	946	16.0720%	Fecal		CFU/100 mL	200	-	1,444,930.1
5439500	6/16/1996	545	565.17	0.5073	294.76	948	16.1060%	Fecal		CFU/100 mL	200	-	1,442,447.5
5439500	6/25/2009	545	565.17	0.5073	294.76	948	16.1060%	Fecal		CFU/100 mL	200	-	1,442,447.5
5439500	8/1/2010	545	565.17	0.5073	294.76	948	16.1060%	Fecal		CFU/100 mL	200	-	1,442,447.5
5439500	5/23/2010	544	564.17	0.5073	294.25	951	16.1570%	Fecal		CFU/100 mL	200	-	1,439,965.0
5439500	6/22/2021	543	563.17	0.5073	293.74	952	16.1740%	Fecal		CFU/100 mL	200	-	1,437,482.4
5439500	5/19/1990	541	561.17	0.5073	292.73	953	16.1910%	Fecal		CFU/100 mL	200	-	1,432,517.3
5439500	7/1/2017	540	560.17	0.5073	292.22	954	16.2080%	Fecal		CFU/100 mL	200	-	1,430,034.7
5439500	5/6/1991	539	559.17	0.5073	291.71	955	16.2249%	Fecal		CFU/100 mL	200	-	1,427,552.2
5439500	6/30/1994	539	559.17	0.5073	291.71	955	16.2249%	Fecal		CFU/100 mL	200	-	1,427,552.2
5439500	5/24/1998	538	558.17	0.5073	291.21	957	16.2589%	Fecal		CFU/100 mL	200	-	1,425,069.6
5439500	5/18/2011	538	558.17	0.5073	291.21	957	16.2589%	Fecal		CFU/100 mL	200	-	1,425,069.6
5439500	6/13/1991	537	557.17	0.5073	290.70	959	16.2929%	Fecal		CFU/100 mL	200	-	1,422,587.0
5439500	5/5/1998	537	557.17	0.5073	290.70	959	16.2929%	Fecal		CFU/100 mL	200	-	1,422,587.0
5439500	6/9/2004	537	557.17	0.5073	290.70	959	16.2929%	Fecal		CFU/100 mL	200	-	1,422,587.0
5439500	8/10/2010	536	556.17	0.5073	290.19	962	16.3439%	Fecal		CFU/100 mL	200	-	1,420,104.5
5439500	9/18/2019	535	555.17	0.5073	289.68	963	16.3609%	Fecal		CFU/100 mL	200	-	1,417,621.9
5439500	6/1/1999	534	554.17	0.5073	289.18	964	16.3778%	Fecal		CFU/100 mL	200	-	1,415,139.3
5439500	5/14/1996	533	553.17	0.5073	288.67	965	16.3948%	Fecal		CFU/100 mL	200	-	1,412,656.8
5439500	6/29/2000	533	553.17	0.5073	288.67	965	16.3948%	Fecal		CFU/100 mL	200	-	1,412,656.8
5439500	7/3/2018	533	553.17	0.5073	288.67	965	16.3948%	Fecal		CFU/100 mL	200	-	1,412,656.8
5439500	6/16/1998	532	552.17	0.5073	288.16	968	16.4458%	Fecal		CFU/100 mL	200	-	1,410,174.2
5439500	5/4/1995	531	551.17	0.5073	287.65	969	16.4628%	Fecal		CFU/100 mL	200	-	1,407,691.7
5439500	5/17/1998	531	551.17	0.5073	287.65	969	16.4628%	Fecal		CFU/100 mL	200	-	1,407,691.7
5439500	5/20/2000	531	551.17	0.5073	287.65	969	16.4628%	Fecal		CFU/100 mL	200	-	1,407,691.7
5439500	7/12/2000	531	551.17	0.5073	287.65	969	16.4628%	Fecal		CFU/100 mL	200	-	1,407,691.7
5439500	7/1/2010	531	551.17	0.5073	287.65	969	16.4628%	Fecal		CFU/100 mL	200	-	1,407,691.7
5439500	6/4/2007	530	550.17	0.5073	287.15	974	16.5477%	Fecal		CFU/100 mL	200	-	1,405,209.1
5439500	8/11/2007	530	550.17	0.5073	287.15	974	16.5477%	Fecal		CFU/100 mL	200	-	1,405,209.1
5439500	5/1/2013	530	550.17	0.5073	287.15	974	16.5477%	Fecal		CFU/100 mL	200	-	1,405,209.1
5439500	6/14/2013	530	550.17	0.5073	287.15	974	16.5477%	Fecal		CFU/100 mL	200	-	1,405,209.1
5439500	5/23/1990	529	549.17	0.5073	286.64	978	16.6157%	Fecal		CFU/100 mL	200	-	1,402,726.5
5439500	10/15/2001	528	548.17	0.5073	286.13	979	16.6327%	Fecal		CFU/100 mL	200	-	1,400,244.0
5439500	7/4/2013	528	548.17	0.5073	286.13	979	16.6327%	Fecal		CFU/100 mL	200	-	1,400,244.0
5439500	6/11/2019	528	548.17	0.5073	286.13	979	16.6327%	Fecal		CFU/100 mL	200	-	1,400,244.0
5439500	10/29/2001	527	547.17	0.5073	285.62	982	16.6837%	Fecal		CFU/100 mL	200	-	1,397,761.4
5439500	6/6/2016	527	547.17	0.5073	285.62	982	16.6837%	Fecal		CFU/100 mL	200	-	1,397,761.4
5439500	6/7/1999	526	546.17	0.5073	285.12	984	16.7176%	Fecal		CFU/100 mL	200	-	1,395,278.9
5439500	6/1/2020	526	546.17	0.5073	285.12	984	16.7176%	Fecal		CFU/100 mL	200	-	1,395,278.9
5439500	6/4/2001	525	545.17	0.5073	284.61	986	16.7516%	Fecal		CFU/100 mL	200	-	1,392,796.3
5439500	10/15/2014	525	545.17	0.5073	284.61	986	16.7516%	Fecal		CFU/100 mL	200	-	1,392,796.3
5439500	5/18/2017	525	545.17	0.5073	284.61	986	16.7516%	Fecal		CFU/100 mL	200	-	1,392,796.3
5439500	7/30/1993	524	544.17	0.5073	284.10	989	16.8026%	Fecal		CFU/100 mL	200	-	1,390,313.7
5439500	5/21/1995	524	544.17	0.5073	284.10	989	16.8026%	Fecal		CFU/100 mL	200	-	1,390,313.7
5439500	6/8/1995	524	544.17	0.5073	284.10	989	16.8026%	Fecal		CFU/100 mL	200	-	1,390,313.7
5439500	5/2/2007	524	544.17	0.5073	284.10	989	16.8026%	Fecal		CFU/100 mL	200	-	1,390,313.7
5439500	5/16/2008	524	544.17	0.5073	284.10	989	16.8026%	Fecal		CFU/100 mL	200	-	1,390,313.7
5439500	8/16/1996	523	543.17	0.5073	283.60	994	16.8875%	Fecal		CFU/100 mL	200	-	1,387,831.2
5439500	7/22/2008	523	543.17	0.5073	283.60	994	16.8875%	Fecal		CFU/100 mL	200	-	1,387,831.2
5439500	5/21/2009	523	543.17	0.5073	283.60	994	16.8875%	Fecal		CFU/100 mL	200	-	1,387,831.2
5439500	5/6/1998	522	542.17	0.5073	283.09	997	16.9385%	Fecal		CFU/100 mL	200	-	1,385,348.6
5439500	6/19/2004	522	542.17	0.5073	283.09	997	16.9385%	Fecal		CFU/100 mL	200	-	1,385,348.6
5439500	7/19/2008	522	542.17	0.5073	283.09	997	16.9385%	Fecal		CFU/100 mL	200	-	1,385,348.6
5439500	6/2/2018	522	542.17	0.5073	283.09	997	16.9385%	Fecal		CFU/100 mL	200	-	1,385,348.6
5439500	5/8/1995	521	541.17	0.5073	282.58	1001	17.0065%	Fecal		CFU/100 mL	200	-	1,382,866.1
5439500	5/13/2009	521	541.17	0.5073	282.58	1001	17.0065%	Fecal		CFU/100 mL	200	-	1,382,866.1
5439500	9/5/2018	521	541.17	0.5073	282.58	1001	17.0065%	Fecal		CFU/100 mL	200	-	1,382,866.1
5439500	5/28/1997	520	540.17	0.5073	282.07	1004	17.0574%	Fecal		CFU/100 mL	200	-	1,380,383.5
5439500	6/23/2004	520	540.17	0.5073	282.07	1004	17.0574%	Fecal		CFU/100 mL	200	-	1,380,383.5
5439500	8/30/2016	520	540.17	0.5073	282.07	1004	17.0574%	Fecal		CFU/100 mL	200	-	1,380,383.5
5439500	10/27/2016	519	539.17	0.5073	281.57	1007	17.1084%	Fecal		CFU/100 mL	200	-	1,377,900.9
5439500	7/7/2000	518	538.17	0.5073	281.06	1008	17.1254%	Fecal		CFU/100 mL	200	-	1,375,418.4
5439500	5/3/2003	518	538.17	0.5073	281.06	1008	17.1254%	Fecal		CFU/100 mL	200	-	1,375,418.4
5439500	7/14/2017	517	537.17	0.5073	280.55	1010	17.1594%	Fecal		CFU/100 mL	200	-	1,372,935.8
5439500	9/4/2007	516	536.17	0.5073	280.04	1011	17.1764%	Fecal		CFU/100 mL	200	-	1,370,453.3
5439500	7/3/2015	516	536.17	0.5073	280.04	1011	17.1764%	Fecal		CFU/100 mL	200	-	1,370,453.3
5439500	5/27/1990	515	535.17	0.5073	279.54	1013	17.2103%	Fecal		CFU/100 mL	200	-	1,367,970.7
5439500	5/13/2000	514	534.17	0.5073	279.03	1014	17.2273%	Fecal		CFU/100 mL	200	-	1,365,488.1
5439500	5/22/2002	514	534.17	0.5073	279.03	1014	17.2273%	Fecal		CFU/100 mL	200	-	1,365,488.1
5439500	6/16/2002	514	534.17	0.5073	279.03	1014	17.2273%	Fecal		CFU/100 mL	200	-	1,365,488.1
5439500	5/11/1999	513	533.17	0.5073	278.52	1017	17.2783%	Fecal		CFU/100 mL	200	-	1,363,005.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/17/2019	512	532.17	0.5073	278.02	1018	17.2953%	Fecal		CFU/100 mL	200	-	1,360,523.0
5439500	7/9/1998	511	531.17	0.5073	277.51	1019	17.3123%	Fecal		CFU/100 mL	200	-	1,358,040.5
5439500	10/15/2019	511	531.17	0.5073	277.51	1019	17.3123%	Fecal		CFU/100 mL	200	-	1,358,040.5
5439500	5/28/2016	510	530.17	0.5073	277.00	1021	17.3462%	Fecal		CFU/100 mL	200	-	1,355,557.9
5439500	7/29/2011	509	529.17	0.5073	276.49	1022	17.3632%	Fecal		CFU/100 mL	200	-	1,353,075.3
5439500	5/19/2015	509	529.17	0.5073	276.49	1022	17.3632%	Fecal		CFU/100 mL	200	-	1,353,075.3
5439500	10/13/2018	509	529.17	0.5073	276.49	1022	17.3632%	Fecal		CFU/100 mL	200	-	1,353,075.3
5439500	5/3/2011	508	528.17	0.5073	275.99	1025	17.4142%	Fecal		CFU/100 mL	200	-	1,350,592.8
5439500	5/26/1990	507	527.17	0.5073	275.48	1026	17.4312%	Fecal		CFU/100 mL	200	-	1,348,110.2
5439500	6/16/2008	506	526.17	0.5073	274.97	1027	17.4482%	Fecal		CFU/100 mL	200	-	1,345,627.7
5439500	7/10/2013	505	525.17	0.5073	274.46	1028	17.4652%	Fecal		CFU/100 mL	200	-	1,343,145.1
5439500	9/23/2008	504	524.17	0.5073	273.96	1029	17.4822%	Fecal		CFU/100 mL	200	-	1,340,662.5
5439500	5/22/2016	504	524.17	0.5073	273.96	1029	17.4822%	Fecal		CFU/100 mL	200	-	1,340,662.5
5439500	10/14/2001	503	523.17	0.5073	273.45	1031	17.5161%	Fecal		CFU/100 mL	200	-	1,338,180.0
5439500	6/16/2019	503	523.17	0.5073	273.45	1031	17.5161%	Fecal		CFU/100 mL	200	-	1,338,180.0
5439500	5/20/1991	501	521.17	0.5073	272.44	1033	17.5501%	Fecal		CFU/100 mL	200	-	1,333,214.9
5439500	6/10/2001	501	521.17	0.5073	272.44	1033	17.5501%	Fecal		CFU/100 mL	200	-	1,333,214.9
5439500	6/4/2009	499	519.17	0.5073	271.42	1035	17.5841%	Fecal		CFU/100 mL	200	-	1,328,249.7
5439500	6/25/1990	498	518.17	0.5073	270.91	1036	17.6011%	Fecal		CFU/100 mL	200	-	1,325,767.2
5439500	5/10/1993	498	518.17	0.5073	270.91	1036	17.6011%	Fecal		CFU/100 mL	200	-	1,325,767.2
5439500	5/25/1999	498	518.17	0.5073	270.91	1036	17.6011%	Fecal	131	CFU/100 mL	200	868,378	1,325,767.2
5439500	5/7/2020	498	518.17	0.5073	270.91	1036	17.6011%	Fecal		CFU/100 mL	200	-	1,325,767.2
5439500	6/7/2011	497	517.17	0.5073	270.41	1040	17.6690%	Fecal		CFU/100 mL	200	-	1,323,284.6
5439500	6/1/2009	496	516.17	0.5073	269.90	1041	17.6860%	Fecal		CFU/100 mL	200	-	1,320,802.1
5439500	7/28/2011	496	516.17	0.5073	269.90	1041	17.6860%	Fecal		CFU/100 mL	200	-	1,320,802.1
5439500	6/25/1999	495	515.17	0.5073	269.39	1043	17.7200%	Fecal		CFU/100 mL	200	-	1,318,319.5
5439500	6/6/2008	495	515.17	0.5073	269.39	1043	17.7200%	Fecal		CFU/100 mL	200	-	1,318,319.5
5439500	5/8/2016	495	515.17	0.5073	269.39	1043	17.7200%	Fecal		CFU/100 mL	200	-	1,318,319.5
5439500	5/20/2018	494	514.17	0.5073	268.88	1046	17.7710%	Fecal		CFU/100 mL	200	-	1,315,836.9
5439500	6/19/1990	493	513.17	0.5073	268.38	1047	17.7880%	Fecal		CFU/100 mL	200	-	1,313,354.4
5439500	6/23/2011	493	513.17	0.5073	268.38	1047	17.7880%	Fecal		CFU/100 mL	200	-	1,313,354.4
5439500	9/15/1993	492	512.17	0.5073	267.87	1049	17.8220%	Fecal		CFU/100 mL	200	-	1,310,871.8
5439500	6/2/2020	492	512.17	0.5073	267.87	1049	17.8220%	Fecal		CFU/100 mL	200	-	1,310,871.8
5439500	6/12/2019	491	511.17	0.5073	267.36	1051	17.8559%	Fecal		CFU/100 mL	200	-	1,308,389.3
5439500	5/29/2017	490	510.17	0.5073	266.85	1052	17.8729%	Fecal		CFU/100 mL	200	-	1,305,906.7
5439500	5/5/1995	489	509.17	0.5073	266.35	1053	17.8899%	Fecal		CFU/100 mL	200	-	1,303,424.1
5439500	5/25/1998	489	509.17	0.5073	266.35	1053	17.8899%	Fecal		CFU/100 mL	200	-	1,303,424.1
5439500	6/17/2017	489	509.17	0.5073	266.35	1053	17.8899%	Fecal		CFU/100 mL	200	-	1,303,424.1
5439500	5/8/1990	486	506.17	0.5073	264.83	1056	17.9409%	Fecal		CFU/100 mL	200	-	1,295,976.5
5439500	5/24/1990	486	506.17	0.5073	264.83	1056	17.9409%	Fecal		CFU/100 mL	200	-	1,295,976.5
5439500	6/8/1999	486	506.17	0.5073	264.83	1056	17.9409%	Fecal		CFU/100 mL	200	-	1,295,976.5
5439500	5/11/1997	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	6/21/1998	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	6/22/2000	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	6/14/2010	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	6/19/2011	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	5/6/2013	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	5/21/2017	485	505.17	0.5073	264.32	1059	17.9918%	Fecal		CFU/100 mL	200	-	1,293,493.9
5439500	6/28/1996	484	504.17	0.5073	263.81	1066	18.1108%	Fecal		CFU/100 mL	200	-	1,291,011.3
5439500	6/15/2008	484	504.17	0.5073	263.81	1066	18.1108%	Fecal		CFU/100 mL	200	-	1,291,011.3
5439500	8/3/2010	484	504.17	0.5073	263.81	1066	18.1108%	Fecal		CFU/100 mL	200	-	1,291,011.3
5439500	5/26/2018	484	504.17	0.5073	263.81	1066	18.1108%	Fecal		CFU/100 mL	200	-	1,291,011.3
5439500	5/8/1991	483	503.17	0.5073	263.30	1070	18.1787%	Fecal		CFU/100 mL	200	-	1,288,528.8
5439500	9/30/1993	482	502.17	0.5073	262.80	1071	18.1957%	Fecal		CFU/100 mL	200	-	1,286,046.2
5439500	7/11/1993	481	501.17	0.5073	262.29	1072	18.2127%	Fecal		CFU/100 mL	200	-	1,283,563.7
5439500	5/3/2002	481	501.17	0.5073	262.29	1072	18.2127%	Fecal		CFU/100 mL	200	-	1,283,563.7
5439500	7/17/2020	481	501.17	0.5073	262.29	1072	18.2127%	Fecal		CFU/100 mL	200	-	1,283,563.7
5439500	8/23/1990	480	500.17	0.5073	261.78	1075	18.2637%	Fecal		CFU/100 mL	200	-	1,281,081.1
5439500	5/2/2013	480	500.17	0.5073	261.78	1075	18.2637%	Fecal		CFU/100 mL	200	-	1,281,081.1
5439500	7/31/2017	480	500.17	0.5073	261.78	1075	18.2637%	Fecal		CFU/100 mL	200	-	1,281,081.1
5439500	10/5/2018	480	500.17	0.5073	261.78	1075	18.2637%	Fecal		CFU/100 mL	200	-	1,281,081.1
5439500	5/28/1990	479	499.17	0.5073	261.27	1079	18.3316%	Fecal		CFU/100 mL	200	-	1,278,598.5
5439500	5/15/1996	479	499.17	0.5073	261.27	1079	18.3316%	Fecal		CFU/100 mL	200	-	1,278,598.5
5439500	6/7/2000	479	499.17	0.5073	261.27	1079	18.3316%	Fecal		CFU/100 mL	200	-	1,278,598.5
5439500	5/18/1998	478	498.17	0.5073	260.77	1082	18.3826%	Fecal		CFU/100 mL	200	-	1,276,116.0
5439500	7/22/2015	478	498.17	0.5073	260.77	1082	18.3826%	Fecal		CFU/100 mL	200	-	1,276,116.0
5439500	6/5/1991	477	497.17	0.5073	260.26	1084	18.4166%	Fecal		CFU/100 mL	200	-	1,273,633.4
5439500	6/9/1995	477	497.17	0.5073	260.26	1084	18.4166%	Fecal		CFU/100 mL	200	-	1,273,633.4
5439500	5/24/2010	476	496.17	0.5073	259.75	1086	18.4506%	Fecal		CFU/100 mL	200	-	1,271,150.9
5439500	7/6/1998	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	5/31/2009	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	5/25/2010	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	6/19/2017	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	6/16/2018	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	6/13/2019	474	494.17	0.5073	258.74	1087	18.4676%	Fecal		CFU/100 mL	200	-	1,266,185.7
5439500	10/17/2014	473	493.17	0.5073	258.23	1093	18.5695%	Fecal		CFU/100 mL	200	-	1,263,703.2
5439500	5/2/2006	472	492.17	0.5073	257.72	1094	18.5865%	Fecal		CFU/100 mL	200	-	1,261,220.6
5439500	5/24/1991	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	5/22/1995	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	10/26/2008	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	5/8/2010	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	5/11/2010	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	5/28/2010	470	490.17	0.5073	256.71	1095	18.6035%	Fecal		CFU/100 mL	200	-	1,256,255.5
5439500	8/17/1996	469	489.17	0.5073	256.20	1101	18.7054%	Fecal		CFU/100 mL	200	-	1,253,772.9
5439500	5/19/1998	469	489.17	0.5073	256.20	1101	18.7054%	Fecal		CFU/100 mL	200	-	1,253,772.9
5439500	5/23/2002	469	489.17	0.5073	256.20	1101	18.7054%	Fecal		CFU/100 mL	200	-	1,253,772.9
5439500	7/16/2008	468	488.17	0.5073	255.69	1104	18.7564%	Fecal		CFU/100 mL	200	-	1,251,290.4
5439500	6/26/2009	468	488.17	0.5073	255.69	1104	18.7564%	Fecal		CFU/100 mL	200	-	1,251,290.4
5439500	7/7/1998	467	487.17	0.5073	255.19	1106	18.7903%	Fecal		CFU/100 mL	200	-	1,248,807.8
5439500	10/4/1999	467	487.17	0.5073	255.19	1106	18.7903%	Fecal		CFU/100 mL	200	-	1,248,807.8
5439500	6/3/2007	467	487.17	0.5073	255.19	1106	18.7903%	Fecal		CFU/100 mL	200	-	1,248,807.8
5439500	6/1/2015	467	487.17	0.5073	255.19	1106	18.7903%	Fecal		CFU/100 mL	200	-	1,248,807.8
5439500	7/22/1990	466	486.17	0.5073	254.68	1110	18.8583%	Fecal		CFU/100 mL	200	-	1,246,325.3
5439500	9/16/1993	466	486.17	0.5073	254.68	1110	18.8583%	Fecal		CFU/100 mL	200	-	1,246,325.3
5439500	5/11/2008	466	486.17	0.5073	254.68	1110	18.8583%	Fecal		CFU/100 mL	200	-	1,246,325.3
5439500	5/31/2008	466	486.17	0.5073	254.68	1110	18.8583%	Fecal		CFU/100 mL	200	-	1,246,325.3
5439500	5/19/2011	466	486.17	0.5073	254.68	1110	18.8583%	Fecal		CFU/100 mL	200	-	1,246,325.3
5439500	6/24/2000	465	485.17	0.5073	254.17	1115	18.9433%	Fecal		CFU/100 mL	200	-	1,243,842.7
5439500	6/8/2008	465	485.17	0.5073	254.17	1115	18.9433%	Fecal		CFU/100 mL	200	-	1,243,842.7
5439500	7/4/2018	465	485.17	0.5073	254.17	1115	18.9433%	Fecal		CFU/100 mL	200	-	1,243,842.7
5439500	10/16/2019	465	485.17	0.5073	254.17	1115	18.9433%	Fecal		CFU/100 mL	200	-	1,243,842.7
5439500	6/29/2020	465	485.17	0.5073	254.17	1115	18.9433%	Fecal		CFU/100 mL	200	-	1,243,842.7
5439500	7/3/1990	464	484.17	0.5073	253.67	1120	19.0282%	Fecal		CFU/100 mL	200	-	1,241,360.1
5439500	9/12/2000	464	484.17	0.5073	253.67	1120	19.0282%	Fecal		CFU/100 mL	200	-	1,241,360.1
5439500	6/3/2016	464	484.17	0.5073	253.67	1120	19.0282%	Fecal		CFU/100 mL	200	-	1,241,360.1
5439500	7/31/1993	463	483.17	0.5073	253.16	1123	19.0792%	Fecal		CFU/100 mL	200	-	1,238,877.6
5439500	5/4/2011	463	483.17	0.5073	253.16	1123	19.0792%	Fecal		CFU/100 mL	200	-	1,238,877.6
5439500	9/27/2019	463	483.17	0.5073	253.16	1123	19.0792%	Fecal		CFU/100 mL	200	-	1,238,877.6
5439500	8/13/1994	462	482.17	0.5073	252.65	1126	19.1301%	Fecal		CFU/100 mL	200	-	1,236,395.0
5439500	8/2/2000	462	482.17	0.5073	252.65	1126	19.1301%	Fecal		CFU/100 mL	200	-	1,236,395.0
5439500	6/3/2020	462	482.17	0.5073	252.65	1126	19.1301%	Fecal		CFU/100 mL	200	-	1,236,395.0
5439500	5/11/1993	461	481.17	0.5073	252.14	1129	19.1811%	Fecal		CFU/100 mL	200	-	1,233,912.5
5439500	5/25/2015	461	481.17	0.5073	252.14	1129	19.1811%	Fecal		CFU/100 mL	200	-	1,233,912.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/4/2016	461	481.17	0.5073	252.14	1129	19.1811%	Fecal		CFU/100 mL	200	-	1,233,912.5
5439500	6/26/1998	460	480.17	0.5073	251.64	1132	19.2321%	Fecal		CFU/100 mL	200	-	1,231,429.9
5439500	5/25/1990	459	479.17	0.5073	251.13	1133	19.2491%	Fecal		CFU/100 mL	200	-	1,228,947.3
5439500	6/7/2016	459	479.17	0.5073	251.13	1133	19.2491%	Fecal		CFU/100 mL	200	-	1,228,947.3
5439500	6/3/2018	459	479.17	0.5073	251.13	1133	19.2491%	Fecal		CFU/100 mL	200	-	1,228,947.3
5439500	6/18/2019	459	479.17	0.5073	251.13	1133	19.2491%	Fecal		CFU/100 mL	200	-	1,228,947.3
5439500	5/29/1997	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	7/28/2007	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	7/4/2015	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	5/23/2016	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	5/22/2017	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	7/6/2017	458	478.17	0.5073	250.62	1137	19.3170%	Fecal		CFU/100 mL	200	-	1,226,464.8
5439500	6/20/2004	457	477.17	0.5073	250.11	1143	19.4190%	Fecal		CFU/100 mL	200	-	1,223,982.2
5439500	10/28/2017	457	477.17	0.5073	250.11	1143	19.4190%	Fecal		CFU/100 mL	200	-	1,223,982.2
5439500	6/13/2006	455	475.17	0.5073	249.10	1145	19.4529%	Fecal		CFU/100 mL	200	-	1,219,017.1
5439500	5/10/2012	455	475.17	0.5073	249.10	1145	19.4529%	Fecal		CFU/100 mL	200	-	1,219,017.1
5439500	6/24/2016	455	475.17	0.5073	249.10	1145	19.4529%	Fecal		CFU/100 mL	200	-	1,219,017.1
5439500	5/8/2020	455	475.17	0.5073	249.10	1145	19.4529%	Fecal		CFU/100 mL	200	-	1,219,017.1
5439500	5/17/2003	454	474.17	0.5073	248.59	1149	19.5209%	Fecal		CFU/100 mL	200	-	1,216,534.5
5439500	5/17/2008	453	473.17	0.5073	248.08	1150	19.5379%	Fecal		CFU/100 mL	200	-	1,214,052.0
5439500	5/9/1990	452	472.17	0.5073	247.58	1151	19.5549%	Fecal		CFU/100 mL	200	-	1,211,569.4
5439500	5/17/1991	452	472.17	0.5073	247.58	1151	19.5549%	Fecal		CFU/100 mL	200	-	1,211,569.4
5439500	5/21/1991	452	472.17	0.5073	247.58	1151	19.5549%	Fecal		CFU/100 mL	200	-	1,211,569.4
5439500	6/30/2020	452	472.17	0.5073	247.58	1151	19.5549%	Fecal		CFU/100 mL	200	-	1,211,569.4
5439500	8/18/1995	451	471.17	0.5073	247.07	1155	19.6228%	Fecal		CFU/100 mL	200	-	1,209,086.9
5439500	6/10/2007	451	471.17	0.5073	247.07	1155	19.6228%	Fecal		CFU/100 mL	200	-	1,209,086.9
5439500	6/14/2014	451	471.17	0.5073	247.07	1155	19.6228%	Fecal		CFU/100 mL	200	-	1,209,086.9
5439500	5/25/1991	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	7/1/1994	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	5/6/1995	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	6/30/2000	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	6/17/2002	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	7/2/2010	450	470.17	0.5073	246.56	1158	19.6738%	Fecal		CFU/100 mL	200	-	1,206,604.3
5439500	6/28/1995	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	6/17/1998	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	9/5/2007	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	8/11/2010	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	7/11/2014	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	5/19/2017	449	469.17	0.5073	246.06	1164	19.7757%	Fecal		CFU/100 mL	200	-	1,204,121.7
5439500	6/5/2009	448	468.17	0.5073	245.55	1170	19.8777%	Fecal		CFU/100 mL	200	-	1,201,639.2
5439500	8/15/2010	448	468.17	0.5073	245.55	1170	19.8777%	Fecal		CFU/100 mL	200	-	1,201,639.2
5439500	5/20/2015	448	468.17	0.5073	245.55	1170	19.8777%	Fecal		CFU/100 mL	200	-	1,201,639.2
5439500	10/5/1999	447	467.17	0.5073	245.04	1173	19.9286%	Fecal		CFU/100 mL	200	-	1,199,156.6
5439500	5/3/2007	447	467.17	0.5073	245.04	1173	19.9286%	Fecal		CFU/100 mL	200	-	1,199,156.6
5439500	5/14/2018	447	467.17	0.5073	245.04	1173	19.9286%	Fecal		CFU/100 mL	200	-	1,199,156.6
5439500	6/14/1991	446	466.17	0.5073	244.53	1176	19.9796%	Fecal		CFU/100 mL	200	-	1,196,674.1
5439500	7/17/2014	446	466.17	0.5073	244.53	1176	19.9796%	Fecal		CFU/100 mL	200	-	1,196,674.1
5439500	5/22/2009	445	465.17	0.5073	244.03	1178	20.0136%	Fecal		CFU/100 mL	200	-	1,194,191.5
5439500	6/20/1990	444	464.17	0.5073	243.52	1179	20.0306%	Fecal		CFU/100 mL	200	-	1,191,708.9
5439500	5/6/2018	444	464.17	0.5073	243.52	1179	20.0306%	Fecal		CFU/100 mL	200	-	1,191,708.9
5439500	7/12/1993	442	462.17	0.5073	242.50	1181	20.0646%	Fecal		CFU/100 mL	200	-	1,186,743.8
5439500	5/9/2016	442	462.17	0.5073	242.50	1181	20.0646%	Fecal		CFU/100 mL	200	-	1,186,743.8
5439500	5/20/2017	442	462.17	0.5073	242.50	1181	20.0646%	Fecal		CFU/100 mL	200	-	1,186,743.8
5439500	5/9/1991	440	460.17	0.5073	241.49	1184	20.1155%	Fecal		CFU/100 mL	200	-	1,181,778.7
5439500	10/14/2018	440	460.17	0.5073	241.49	1184	20.1155%	Fecal		CFU/100 mL	200	-	1,181,778.7
5439500	8/15/1994	439	459.17	0.5073	240.98	1186	20.1495%	Fecal		CFU/100 mL	200	-	1,179,296.1
5439500	6/26/1990	438	458.17	0.5073	240.48	1187	20.1665%	Fecal		CFU/100 mL	200	-	1,176,813.6
5439500	6/10/1995	438	458.17	0.5073	240.48	1187	20.1665%	Fecal		CFU/100 mL	200	-	1,176,813.6
5439500	5/24/2002	438	458.17	0.5073	240.48	1187	20.1665%	Fecal		CFU/100 mL	200	-	1,176,813.6
5439500	6/15/2013	438	458.17	0.5073	240.48	1187	20.1665%	Fecal		CFU/100 mL	200	-	1,176,813.6
5439500	6/18/2016	438	458.17	0.5073	240.48	1187	20.1665%	Fecal		CFU/100 mL	200	-	1,176,813.6
5439500	5/29/1990	437	457.17	0.5073	239.97	1192	20.2514%	Fecal		CFU/100 mL	200	-	1,174,331.0
5439500	6/29/1996	437	457.17	0.5073	239.97	1192	20.2514%	Fecal		CFU/100 mL	200	-	1,174,331.0
5439500	8/2/2010	437	457.17	0.5073	239.97	1192	20.2514%	Fecal		CFU/100 mL	200	-	1,174,331.0
5439500	6/20/2011	437	457.17	0.5073	239.97	1192	20.2514%	Fecal		CFU/100 mL	200	-	1,174,331.0
5439500	6/4/2020	437	457.17	0.5073	239.97	1192	20.2514%	Fecal		CFU/100 mL	200	-	1,174,331.0
5439500	5/22/1991	436	456.17	0.5073	239.46	1197	20.3364%	Fecal		CFU/100 mL	200	-	1,171,848.5
5439500	7/19/2007	436	456.17	0.5073	239.46	1197	20.3364%	Fecal		CFU/100 mL	200	-	1,171,848.5
5439500	6/15/2010	435	455.17	0.5073	238.95	1199	20.3704%	Fecal		CFU/100 mL	200	-	1,169,365.9
5439500	5/5/2011	435	455.17	0.5073	238.95	1199	20.3704%	Fecal		CFU/100 mL	200	-	1,169,365.9
5439500	8/29/2016	435	455.17	0.5073	238.95	1199	20.3704%	Fecal		CFU/100 mL	200	-	1,169,365.9
5439500	10/24/2017	434	454.17	0.5073	238.45	1202	20.4213%	Fecal		CFU/100 mL	200	-	1,166,883.3
5439500	6/20/2019	434	454.17	0.5073	238.45	1202	20.4213%	Fecal		CFU/100 mL	200	-	1,166,883.3
5439500	5/12/1993	433	453.17	0.5073	237.94	1204	20.4553%	Fecal		CFU/100 mL	200	-	1,164,400.8
5439500	10/30/2001	433	453.17	0.5073	237.94	1204	20.4553%	Fecal		CFU/100 mL	200	-	1,164,400.8
5439500	6/24/2004	433	453.17	0.5073	237.94	1204	20.4553%	Fecal		CFU/100 mL	200	-	1,164,400.8
5439500	6/8/2011	433	453.17	0.5073	237.94	1204	20.4553%	Fecal		CFU/100 mL	200	-	1,164,400.8
5439500	5/11/2001	432	452.17	0.5073	237.43	1208	20.5233%	Fecal		CFU/100 mL	200	-	1,161,918.2
5439500	6/14/2019	432	452.17	0.5073	237.43	1208	20.5233%	Fecal		CFU/100 mL	200	-	1,161,918.2
5439500	6/6/1991	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	5/26/1999	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	6/11/2001	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	6/13/2013	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	7/5/2013	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	6/11/2020	431	451.17	0.5073	236.92	1210	20.5573%	Fecal		CFU/100 mL	200	-	1,159,435.7
5439500	7/8/2000	430	450.17	0.5073	236.42	1216	20.6592%	Fecal		CFU/100 mL	200	-	1,156,953.1
5439500	6/22/2011	430	450.17	0.5073	236.42	1216	20.6592%	Fecal		CFU/100 mL	200	-	1,156,953.1
5439500	6/26/1999	429	449.17	0.5073	235.91	1218	20.6932%	Fecal		CFU/100 mL	200	-	1,154,470.5
5439500	10/23/1998	428	448.17	0.5073	235.40	1219	20.7102%	Fecal		CFU/100 mL	200	-	1,151,988.0
5439500	7/19/2019	428	448.17	0.5073	235.40	1219	20.7102%	Fecal		CFU/100 mL	200	-	1,151,988.0
5439500	6/10/1998	427	447.17	0.5073	234.90	1221	20.7441%	Fecal		CFU/100 mL	200	-	1,149,505.4
5439500	6/1/2008	427	447.17	0.5073	234.90	1221	20.7441%	Fecal		CFU/100 mL	200	-	1,149,505.4
5439500	6/17/2008	427	447.17	0.5073	234.90	1221	20.7441%	Fecal		CFU/100 mL	200	-	1,149,505.4
5439500	5/24/2017	427	447.17	0.5073	234.90	1221	20.7441%	Fecal		CFU/100 mL	200	-	1,149,505.4
5439500	6/15/2019	427	447.17	0.5073	234.90	1221	20.7441%	Fecal		CFU/100 mL	200	-	1,149,505.4
5439500	5/24/2016	426	446.17	0.5073	234.39	1226	20.8291%	Fecal		CFU/100 mL	200	-	1,147,022.9
5439500	10/28/2016	426	446.17	0.5073	234.39	1226	20.8291%	Fecal		CFU/100 mL	200	-	1,147,022.9
5439500	5/7/1995	425	445.17	0.5073	233.88	1228	20.8631%	Fecal		CFU/100 mL	200	-	1,144,540.3
5439500	5/26/1998	425	445.17	0.5073	233.88	1228	20.8631%	Fecal		CFU/100 mL	200	-	1,144,540.3
5439500	6/7/1993	424	444.17	0.5073	233.37	1230	20.8970%	Fecal		CFU/100 mL	200	-	1,142,057.7
5439500	10/1/1993	424	444.17	0.5073	233.37	1230	20.8970%	Fecal		CFU/100 mL	200	-	1,142,057.7
5439500	5/17/2006	424	444.17	0.5073	233.37	1230	20.8970%	Fecal		CFU/100 mL	200	-	1,142,057.7
5439500	7/13/2007	424	444.17	0.5073	233.37	1230	20.8970%	Fecal		CFU/100 mL	200	-	1,142,057.7
5439500	7/10/2017	424	444.17	0.5073	233.37	1230	20.8970%	Fecal		CFU/100 mL	200	-	1,142,057.7
5439500	6/18/1998	423	443.17	0.5073	232.87	1235	20.9820%	Fecal		CFU/100 mL	200	-	1,139,575.2
5439500	6/19/2019	423	443.17	0.5073	232.87	1235	20.9820%	Fecal		CFU/100 mL	200	-	1,139,575.2
5439500	8/1/1993	422	442.17	0.5073	232.36	1237	21.0160%	Fecal		CFU/100 mL	200	-	1,137,092.6
5439500	8/15/2007	422	442.17	0.5073	232.36	1237	21.0160%	Fecal		CFU/100 mL	200	-	1,137,092.6
5439500	5/6/2011	422	442.17	0.5073	232.36	1237	21.0160%	Fecal		CFU/100 mL	200	-	1,137,092.6
5439500	5/7/2013	422	442.17	0.5073	232.36	1237	21.0160%	Fecal		CFU/100 mL	200	-	1,137,092.6
5439500	7/8/2013	422	442.17	0.5073	232.36	1237	21.0160%	Fecal		CFU/100 mL	200	-	1,137,092.6
5439500	7/4/1998	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1
5439500	6/6/2010	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/21/2011	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1
5439500	7/7/2016	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1
5439500	9/1/2016	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1
5439500	10/17/2019	421	441.17	0.5073	231.85	1242	21.1009%	Fecal		CFU/100 mL	200	-	1,134,610.1
5439500	9/24/2008	420	440.17	0.5073	231.34	1248	21.2029%	Fecal		CFU/100 mL	200	-	1,132,127.5
5439500	9/30/2008	420	440.17	0.5073	231.34	1248	21.2029%	Fecal		CFU/100 mL	200	-	1,132,127.5
5439500	10/22/2019	420	440.17	0.5073	231.34	1248	21.2029%	Fecal		CFU/100 mL	200	-	1,132,127.5
5439500	5/9/2020	420	440.17	0.5073	231.34	1248	21.2029%	Fecal		CFU/100 mL	200	-	1,132,127.5
5439500	6/29/1995	419	439.17	0.5073	230.84	1252	21.2708%	Fecal		CFU/100 mL	200	-	1,129,644.9
5439500	6/23/2000	419	439.17	0.5073	230.84	1252	21.2708%	Fecal		CFU/100 mL	200	-	1,129,644.9
5439500	6/13/2010	419	439.17	0.5073	230.84	1252	21.2708%	Fecal		CFU/100 mL	200	-	1,129,644.9
5439500	8/1/2017	418	438.17	0.5073	230.33	1255	21.3218%	Fecal		CFU/100 mL	200	-	1,127,162.4
5439500	8/17/1995	417	437.17	0.5073	229.82	1256	21.3388%	Fecal		CFU/100 mL	200	-	1,124,679.8
5439500	5/12/1997	417	437.17	0.5073	229.82	1256	21.3388%	Fecal		CFU/100 mL	200	-	1,124,679.8
5439500	5/21/2000	417	437.17	0.5073	229.82	1256	21.3388%	Fecal		CFU/100 mL	200	-	1,124,679.8
5439500	5/4/1997	416	436.17	0.5073	229.31	1259	21.3897%	Fecal		CFU/100 mL	200	-	1,122,197.3
5439500	8/24/2002	416	436.17	0.5073	229.31	1259	21.3897%	Fecal		CFU/100 mL	200	-	1,122,197.3
5439500	5/16/1996	415	435.17	0.5073	228.81	1261	21.4237%	Fecal		CFU/100 mL	200	-	1,119,714.7
5439500	6/8/2000	415	435.17	0.5073	228.81	1261	21.4237%	Fecal		CFU/100 mL	200	-	1,119,714.7
5439500	7/10/2000	415	435.17	0.5073	228.81	1261	21.4237%	Fecal		CFU/100 mL	200	-	1,119,714.7
5439500	7/11/2017	415	435.17	0.5073	228.81	1261	21.4237%	Fecal		CFU/100 mL	200	-	1,119,714.7
5439500	5/21/2015	414	434.17	0.5073	228.30	1265	21.4917%	Fecal		CFU/100 mL	200	-	1,117,232.1
5439500	7/23/2015	414	434.17	0.5073	228.30	1265	21.4917%	Fecal		CFU/100 mL	200	-	1,117,232.1
5439500	5/3/2018	414	434.17	0.5073	228.30	1265	21.4917%	Fecal		CFU/100 mL	200	-	1,117,232.1
5439500	6/22/1990	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	8/29/1990	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	5/30/1997	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	5/23/2009	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	6/6/2009	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	6/27/2009	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	6/10/2016	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	10/15/2018	413	433.17	0.5073	227.79	1268	21.5426%	Fecal		CFU/100 mL	200	-	1,114,749.6
5439500	5/12/2001	412	432.17	0.5073	227.29	1276	21.6786%	Fecal		CFU/100 mL	200	-	1,112,267.0
5439500	6/21/1990	411	431.17	0.5073	226.78	1277	21.6955%	Fecal		CFU/100 mL	200	-	1,109,784.5
5439500	8/20/1996	411	431.17	0.5073	226.78	1277	21.6955%	Fecal		CFU/100 mL	200	-	1,109,784.5
5439500	5/3/1997	411	431.17	0.5073	226.78	1277	21.6955%	Fecal		CFU/100 mL	200	-	1,109,784.5
5439500	6/24/2011	411	431.17	0.5073	226.78	1277	21.6955%	Fecal		CFU/100 mL	200	-	1,109,784.5
5439500	5/20/2011	410	430.17	0.5073	226.27	1281	21.7635%	Fecal		CFU/100 mL	200	-	1,107,301.9
5439500	6/2/2015	410	430.17	0.5073	226.27	1281	21.7635%	Fecal		CFU/100 mL	200	-	1,107,301.9
5439500	7/5/1995	409	429.17	0.5073	225.76	1283	21.7975%	Fecal		CFU/100 mL	200	-	1,104,819.3
5439500	6/12/2010	409	429.17	0.5073	225.76	1283	21.7975%	Fecal		CFU/100 mL	200	-	1,104,819.3
5439500	6/8/2016	409	429.17	0.5073	225.76	1283	21.7975%	Fecal		CFU/100 mL	200	-	1,104,819.3
5439500	10/18/1993	408	428.17	0.5073	225.26	1286	21.8485%	Fecal		CFU/100 mL	200	-	1,102,336.8
5439500	6/1/2013	408	428.17	0.5073	225.26	1286	21.8485%	Fecal		CFU/100 mL	200	-	1,102,336.8
5439500	6/9/1999	407	427.17	0.5073	224.75	1288	21.8824%	Fecal		CFU/100 mL	200	-	1,099,854.2
5439500	9/30/2011	407	427.17	0.5073	224.75	1288	21.8824%	Fecal		CFU/100 mL	200	-	1,099,854.2
5439500	7/12/2014	407	427.17	0.5073	224.75	1288	21.8824%	Fecal		CFU/100 mL	200	-	1,099,854.2
5439500	7/5/2015	407	427.17	0.5073	224.75	1288	21.8824%	Fecal		CFU/100 mL	200	-	1,099,854.2
5439500	7/6/2015	407	427.17	0.5073	224.75	1288	21.8824%	Fecal		CFU/100 mL	200	-	1,099,854.2
5439500	6/11/1995	406	426.17	0.5073	224.24	1293	21.9674%	Fecal		CFU/100 mL	200	-	1,097,371.7
5439500	7/1/2000	406	426.17	0.5073	224.24	1293	21.9674%	Fecal		CFU/100 mL	200	-	1,097,371.7
5439500	5/25/2002	406	426.17	0.5073	224.24	1293	21.9674%	Fecal		CFU/100 mL	200	-	1,097,371.7
5439500	6/18/2002	406	426.17	0.5073	224.24	1293	21.9674%	Fecal	123	CFU/100 mL	200	674,884	1,097,371.7
5439500	5/23/2017	406	426.17	0.5073	224.24	1293	21.9674%	Fecal		CFU/100 mL	200	-	1,097,371.7
5439500	7/4/1990	405	425.17	0.5073	223.73	1298	22.0523%	Fecal		CFU/100 mL	200	-	1,094,889.1
5439500	5/30/2017	405	425.17	0.5073	223.73	1298	22.0523%	Fecal		CFU/100 mL	200	-	1,094,889.1
5439500	5/10/2020	405	425.17	0.5073	223.73	1298	22.0523%	Fecal		CFU/100 mL	200	-	1,094,889.1
5439500	7/4/2021	405	425.17	0.5073	223.73	1298	22.0523%	Fecal		CFU/100 mL	200	-	1,094,889.1
5439500	6/26/2020	404	424.17	0.5073	223.23	1302	22.1203%	Fecal		CFU/100 mL	200	-	1,092,406.5
5439500	5/10/1991	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	5/28/2008	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	6/7/2008	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	6/17/2010	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	5/7/2011	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	7/2/2017	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	6/24/2019	403	423.17	0.5073	222.72	1303	22.1373%	Fecal		CFU/100 mL	200	-	1,089,924.0
5439500	5/25/2016	402	422.17	0.5073	222.21	1310	22.2562%	Fecal		CFU/100 mL	200	-	1,087,441.4
5439500	5/11/2020	402	422.17	0.5073	222.21	1310	22.2562%	Fecal		CFU/100 mL	200	-	1,087,441.4
5439500	6/27/1990	401	421.17	0.5073	221.71	1312	22.2902%	Fecal		CFU/100 mL	200	-	1,084,958.9
5439500	6/21/2019	401	421.17	0.5073	221.71	1312	22.2902%	Fecal		CFU/100 mL	200	-	1,084,958.9
5439500	5/30/1990	400	420.17	0.5073	221.20	1314	22.3242%	Fecal		CFU/100 mL	200	-	1,082,476.3
5439500	5/13/1993	400	420.17	0.5073	221.20	1314	22.3242%	Fecal		CFU/100 mL	200	-	1,082,476.3
5439500	10/19/2017	400	420.17	0.5073	221.20	1314	22.3242%	Fecal		CFU/100 mL	200	-	1,082,476.3
5439500	9/19/2019	400	420.17	0.5073	221.20	1314	22.3242%	Fecal		CFU/100 mL	200	-	1,082,476.3
5439500	5/4/2007	399	419.17	0.5073	220.69	1318	22.3921%	Fecal		CFU/100 mL	200	-	1,079,993.7
5439500	5/18/2008	399	419.17	0.5073	220.69	1318	22.3921%	Fecal		CFU/100 mL	200	-	1,079,993.7
5439500	5/29/2010	399	419.17	0.5073	220.69	1318	22.3921%	Fecal		CFU/100 mL	200	-	1,079,993.7
5439500	6/16/2010	399	419.17	0.5073	220.69	1318	22.3921%	Fecal		CFU/100 mL	200	-	1,079,993.7
5439500	6/1/2001	398	418.17	0.5073	220.18	1322	22.4601%	Fecal		CFU/100 mL	200	-	1,077,511.2
5439500	5/8/2003	398	418.17	0.5073	220.18	1322	22.4601%	Fecal		CFU/100 mL	200	-	1,077,511.2
5439500	6/5/2020	398	418.17	0.5073	220.18	1322	22.4601%	Fecal		CFU/100 mL	200	-	1,077,511.2
5439500	7/13/1993	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	6/30/1996	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	5/14/2000	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	7/13/2000	397	417.17	0.5073	219.68	1325	22.5110%	Fecal	3100	CFU/100 mL	200	16,662,944	1,075,028.6
5439500	8/5/2008	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	7/3/2010	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	10/23/2019	397	417.17	0.5073	219.68	1325	22.5110%	Fecal		CFU/100 mL	200	-	1,075,028.6
5439500	10/5/1991	396	416.17	0.5073	219.17	1332	22.6300%	Fecal		CFU/100 mL	200	-	1,072,546.1
5439500	5/26/2002	396	416.17	0.5073	219.17	1332	22.6300%	Fecal		CFU/100 mL	200	-	1,072,546.1
5439500	9/6/2007	396	416.17	0.5073	219.17	1332	22.6300%	Fecal		CFU/100 mL	200	-	1,072,546.1
5439500	5/25/2017	396	416.17	0.5073	219.17	1332	22.6300%	Fecal		CFU/100 mL	200	-	1,072,546.1
5439500	8/1/2000	395	415.17	0.5073	218.66	1336	22.6979%	Fecal		CFU/100 mL	200	-	1,070,063.5
5439500	6/20/2017	395	415.17	0.5073	218.66	1336	22.6979%	Fecal		CFU/100 mL	200	-	1,070,063.5
5439500	6/25/2019	395	415.17	0.5073	218.66	1336	22.6979%	Fecal		CFU/100 mL	200	-	1,070,063.5
5439500	6/2/2013	394	414.17	0.5073	218.15	1339	22.7489%	Fecal		CFU/100 mL	200	-	1,067,580.9
5439500	6/22/1998	393	413.17	0.5073	217.65	1340	22.7659%	Fecal		CFU/100 mL	200	-	1,065,098.4
5439500	6/2/2007	392	412.17	0.5073	217.14	1341	22.7829%	Fecal		CFU/100 mL	200	-	1,062,615.8
5439500	7/11/2013	392	412.17	0.5073	217.14	1341	22.7829%	Fecal		CFU/100 mL	200	-	1,062,615.8
5439500	5/29/1998	391	411.17	0.5073	216.63	1343	22.8169%	Fecal		CFU/100 mL	200	-	1,060,133.3
5439500	6/27/1999	391	411.17	0.5073	216.63	1343	22.8169%	Fecal		CFU/100 mL	200	-	1,060,133.3
5439500	5/4/2015	391	411.17	0.5073	216.63	1343	22.8169%	Fecal		CFU/100 mL	200	-	1,060,133.3
5439500	10/18/2019	391	411.17	0.5073	216.63	1343	22.8169%	Fecal		CFU/100 mL	200	-	1,060,133.3
5439500	6/12/2001	390	410.17	0.5073	216.13	1347	22.8848%	Fecal		CFU/100 mL	200	-	1,057,650.7
5439500	5/3/2006	390	410.17	0.5073	216.13	1347	22.8848%	Fecal		CFU/100 mL	200	-	1,057,650.7
5439500	8/13/2010	390	410.17	0.5073	216.13	1347	22.8848%	Fecal		CFU/100 mL	200	-	1,057,650.7
5439500	8/25/2011	390	410.17	0.5073	216.13	1347	22.8848%	Fecal		CFU/100 mL	200	-	1,057,650.7
5439500	7/15/2017	390	410.17	0.5073	216.13	1347	22.8848%	Fecal		CFU/100 mL	200	-	1,057,650.7
5439500	6/5/1993	389	409.17	0.5073	215.62	1352	22.9698%	Fecal		CFU/100 mL	200	-	1,055,168.1
5439500	8/21/1996	389	409.17	0.5073	215.62	1352	22.9698%	Fecal		CFU/100 mL	200	-	1,055,168.1
5439500	7/2/2000	389	409.17	0.5073	215.62	1352	22.9698%	Fecal		CFU/100 mL	200	-	1,055,168.1
5439500	8/12/2010	389	409.17	0.5073	215.62	1352	22.9698%	Fecal		CFU/100 mL	200	-	1,055,168.1
5439500	10/16/2018	389	409.17	0.5073	215.62	1352	22.9698%	Fecal		CFU/100 mL	200	-	1,055,168.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/7/1991	388	408.17	0.5073	215.11	1357	23.0547%	Fecal		CFU/100 mL	200	-	1,052,685.6
5439500	10/31/2001	388	408.17	0.5073	215.11	1357	23.0547%	Fecal		CFU/100 mL	200	-	1,052,685.6
5439500	5/27/2018	388	408.17	0.5073	215.11	1357	23.0547%	Fecal		CFU/100 mL	200	-	1,052,685.6
5439500	6/17/2018	388	408.17	0.5073	215.11	1357	23.0547%	Fecal		CFU/100 mL	200	-	1,052,685.6
5439500	5/17/1996	387	407.17	0.5073	214.60	1361	23.1227%	Fecal		CFU/100 mL	200	-	1,050,203.0
5439500	6/20/2007	387	407.17	0.5073	214.60	1361	23.1227%	Fecal		CFU/100 mL	200	-	1,050,203.0
5439500	5/24/2009	387	407.17	0.5073	214.60	1361	23.1227%	Fecal		CFU/100 mL	200	-	1,050,203.0
5439500	6/7/2009	387	407.17	0.5073	214.60	1361	23.1227%	Fecal		CFU/100 mL	200	-	1,050,203.0
5439500	6/18/2010	387	407.17	0.5073	214.60	1361	23.1227%	Fecal		CFU/100 mL	200	-	1,050,203.0
5439500	5/4/2002	386	406.17	0.5073	214.10	1366	23.2076%	Fecal		CFU/100 mL	200	-	1,047,720.5
5439500	7/2/1994	385	405.17	0.5073	213.59	1367	23.2246%	Fecal		CFU/100 mL	200	-	1,045,237.9
5439500	8/23/1996	384	404.17	0.5073	213.08	1368	23.2416%	Fecal		CFU/100 mL	200	-	1,042,755.3
5439500	8/12/2007	384	404.17	0.5073	213.08	1368	23.2416%	Fecal		CFU/100 mL	200	-	1,042,755.3
5439500	8/24/1990	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	8/12/1994	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	5/27/1999	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	7/9/2000	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	10/25/2008	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	5/8/2013	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	6/12/2021	383	403.17	0.5073	212.57	1370	23.2756%	Fecal		CFU/100 mL	200	-	1,040,272.8
5439500	8/2/1993	382	402.17	0.5073	212.07	1377	23.3945%	Fecal		CFU/100 mL	200	-	1,037,790.2
5439500	6/25/2004	382	402.17	0.5073	212.07	1377	23.3945%	Fecal		CFU/100 mL	200	-	1,037,790.2
5439500	5/5/1997	381	401.17	0.5073	211.56	1379	23.4285%	Fecal		CFU/100 mL	200	-	1,035,307.7
5439500	5/8/2011	381	401.17	0.5073	211.56	1379	23.4285%	Fecal		CFU/100 mL	200	-	1,035,307.7
5439500	7/25/2011	381	401.17	0.5073	211.56	1379	23.4285%	Fecal		CFU/100 mL	200	-	1,035,307.7
5439500	7/5/2018	381	401.17	0.5073	211.56	1379	23.4285%	Fecal		CFU/100 mL	200	-	1,035,307.7
5439500	6/12/1995	380	400.17	0.5073	211.05	1383	23.4964%	Fecal		CFU/100 mL	200	-	1,032,825.1
5439500	5/28/1998	379	399.17	0.5073	210.54	1384	23.5134%	Fecal		CFU/100 mL	200	-	1,030,342.5
5439500	5/27/1998	378	398.17	0.5073	210.04	1385	23.5304%	Fecal		CFU/100 mL	200	-	1,027,860.0
5439500	6/7/2010	378	398.17	0.5073	210.04	1385	23.5304%	Fecal		CFU/100 mL	200	-	1,027,860.0
5439500	6/26/1997	377	397.17	0.5073	209.53	1387	23.5644%	Fecal		CFU/100 mL	200	-	1,025,377.4
5439500	10/9/2008	377	397.17	0.5073	209.53	1387	23.5644%	Fecal		CFU/100 mL	200	-	1,025,377.4
5439500	10/27/2008	377	397.17	0.5073	209.53	1387	23.5644%	Fecal		CFU/100 mL	200	-	1,025,377.4
5439500	5/21/2011	377	397.17	0.5073	209.53	1387	23.5644%	Fecal		CFU/100 mL	200	-	1,025,377.4
5439500	6/9/2016	377	397.17	0.5073	209.53	1387	23.5644%	Fecal		CFU/100 mL	200	-	1,025,377.4
5439500	7/6/1995	376	396.17	0.5073	209.02	1392	23.6493%	Fecal		CFU/100 mL	200	-	1,022,894.9
5439500	5/31/1997	376	396.17	0.5073	209.02	1392	23.6493%	Fecal		CFU/100 mL	200	-	1,022,894.9
5439500	5/12/2020	376	396.17	0.5073	209.02	1392	23.6493%	Fecal		CFU/100 mL	200	-	1,022,894.9
5439500	5/14/1993	375	395.17	0.5073	208.52	1395	23.7003%	Fecal		CFU/100 mL	200	-	1,020,412.3
5439500	6/25/2016	375	395.17	0.5073	208.52	1395	23.7003%	Fecal		CFU/100 mL	200	-	1,020,412.3
5439500	6/28/1990	374	394.17	0.5073	208.01	1397	23.7343%	Fecal		CFU/100 mL	200	-	1,017,929.7
5439500	7/18/2014	374	394.17	0.5073	208.01	1397	23.7343%	Fecal		CFU/100 mL	200	-	1,017,929.7
5439500	7/17/2017	374	394.17	0.5073	208.01	1397	23.7343%	Fecal		CFU/100 mL	200	-	1,017,929.7
5439500	6/10/2006	373	393.17	0.5073	207.50	1400	23.7853%	Fecal		CFU/100 mL	200	-	1,015,447.2
5439500	5/22/2015	373	393.17	0.5073	207.50	1400	23.7853%	Fecal		CFU/100 mL	200	-	1,015,447.2
5439500	6/3/2015	373	393.17	0.5073	207.50	1400	23.7853%	Fecal		CFU/100 mL	200	-	1,015,447.2
5439500	5/30/2018	373	393.17	0.5073	207.50	1400	23.7853%	Fecal		CFU/100 mL	200	-	1,015,447.2
5439500	10/19/2019	373	393.17	0.5073	207.50	1400	23.7853%	Fecal		CFU/100 mL	200	-	1,015,447.2
5439500	5/31/1990	372	392.17	0.5073	206.99	1405	23.8702%	Fecal		CFU/100 mL	200	-	1,012,964.6
5439500	7/23/2007	372	392.17	0.5073	206.99	1405	23.8702%	Fecal		CFU/100 mL	200	-	1,012,964.6
5439500	10/1/2008	372	392.17	0.5073	206.99	1405	23.8702%	Fecal		CFU/100 mL	200	-	1,012,964.6
5439500	7/1/2020	372	392.17	0.5073	206.99	1405	23.8702%	Fecal		CFU/100 mL	200	-	1,012,964.6
5439500	10/16/2001	371	391.17	0.5073	206.49	1409	23.9382%	Fecal		CFU/100 mL	200	-	1,010,482.1
5439500	5/18/2006	371	391.17	0.5073	206.49	1409	23.9382%	Fecal	500	CFU/100 mL	200	2,526,205	1,010,482.1
5439500	6/28/2009	371	391.17	0.5073	206.49	1409	23.9382%	Fecal		CFU/100 mL	200	-	1,010,482.1
5439500	6/6/2020	371	391.17	0.5073	206.49	1409	23.9382%	Fecal		CFU/100 mL	200	-	1,010,482.1
5439500	5/5/2007	370	390.17	0.5073	205.98	1413	24.0061%	Fecal		CFU/100 mL	200	-	1,007,999.5
5439500	7/6/2013	370	390.17	0.5073	205.98	1413	24.0061%	Fecal		CFU/100 mL	200	-	1,007,999.5
5439500	6/19/2016	370	390.17	0.5073	205.98	1413	24.0061%	Fecal		CFU/100 mL	200	-	1,007,999.5
5439500	10/2/1993	369	389.17	0.5073	205.47	1416	24.0571%	Fecal		CFU/100 mL	200	-	1,005,516.9
5439500	5/13/1997	368	388.17	0.5073	204.96	1417	24.0741%	Fecal		CFU/100 mL	200	-	1,003,034.4
5439500	8/22/2014	368	388.17	0.5073	204.96	1417	24.0741%	Fecal		CFU/100 mL	200	-	1,003,034.4
5439500	5/26/2017	368	388.17	0.5073	204.96	1417	24.0741%	Fecal		CFU/100 mL	200	-	1,003,034.4
5439500	8/2/2017	368	388.17	0.5073	204.96	1417	24.0741%	Fecal		CFU/100 mL	200	-	1,003,034.4
5439500	8/22/1996	367	387.17	0.5073	204.46	1421	24.1420%	Fecal		CFU/100 mL	200	-	1,000,551.8
5439500	5/9/2010	367	387.17	0.5073	204.46	1421	24.1420%	Fecal		CFU/100 mL	200	-	1,000,551.8
5439500	6/22/2019	367	387.17	0.5073	204.46	1421	24.1420%	Fecal		CFU/100 mL	200	-	1,000,551.8
5439500	8/20/1994	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	8/24/1996	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	5/22/2000	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	5/18/2003	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	5/9/2011	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	8/21/2011	366	386.17	0.5073	203.95	1424	24.1930%	Fecal		CFU/100 mL	200	-	998,069.3
5439500	5/11/1991	365	385.17	0.5073	203.44	1430	24.2949%	Fecal		CFU/100 mL	200	-	995,586.7
5439500	7/14/1993	365	385.17	0.5073	203.44	1430	24.2949%	Fecal		CFU/100 mL	200	-	995,586.7
5439500	5/21/2003	365	385.17	0.5073	203.44	1430	24.2949%	Fecal		CFU/100 mL	200	-	995,586.7
5439500	5/22/2011	365	385.17	0.5073	203.44	1430	24.2949%	Fecal		CFU/100 mL	200	-	995,586.7
5439500	5/11/2012	365	385.17	0.5073	203.44	1430	24.2949%	Fecal		CFU/100 mL	200	-	995,586.7
5439500	6/28/1999	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	6/9/2000	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	6/19/2002	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	6/18/2008	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	7/23/2008	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	7/24/2015	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	6/11/2016	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	8/1/2016	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	7/4/2019	364	384.17	0.5073	202.94	1435	24.3799%	Fecal		CFU/100 mL	200	-	993,104.1
5439500	7/1/1996	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	7/10/1998	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	9/7/2007	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	9/25/2008	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	6/3/2010	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	10/18/2014	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	10/29/2017	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	5/13/2020	363	383.17	0.5073	202.43	1444	24.5328%	Fecal		CFU/100 mL	200	-	990,621.6
5439500	6/14/2006	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	8/31/2009	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	6/25/2011	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	7/30/2011	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	5/31/2017	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	6/23/2019	362	382.17	0.5073	201.92	1452	24.6687%	Fecal		CFU/100 mL	200	-	988,139.0
5439500	7/4/2010	361	381.17	0.5073	201.41	1458	24.7706%	Fecal		CFU/100 mL	200	-	985,656.5
5439500	6/15/1991	360	380.17	0.5073	200.91	1459	24.7876%	Fecal		CFU/100 mL	200	-	983,173.9
5439500	5/18/1996	360	380.17	0.5073	200.91	1459	24.7876%	Fecal		CFU/100 mL	200	-	983,173.9
5439500	5/30/2010	360	380.17	0.5073	200.91	1459	24.7876%	Fecal		CFU/100 mL	200	-	983,173.9
5439500	5/15/1993	359	379.17	0.5073	200.40	1462	24.8386%	Fecal		CFU/100 mL	200	-	980,691.3
5439500	6/11/2000	359	379.17	0.5073	200.40	1462	24.8386%	Fecal		CFU/100 mL	200	-	980,691.3
5439500	5/26/2008	359	379.17	0.5073	200.40	1462	24.8386%	Fecal		CFU/100 mL	200	-	980,691.3
5439500	6/16/2013	359	379.17	0.5073	200.40	1462	24.8386%	Fecal		CFU/100 mL	200	-	980,691.3
5439500	6/8/1991	358	378.17	0.5073	199.89	1466	24.9066%	Fecal		CFU/100 mL	200	-	978,208.8
5439500	5/1/2003	358	378.17	0.5073	199.89	1466	24.9066%	Fecal		CFU/100 mL	200	-	978,208.8
5439500	5/25/2009	358	378.17	0.5073	199.89	1466	24.9066%	Fecal		CFU/100 mL	200	-	978,208.8
5439500	10/17/2018	358	378.17	0.5073	199.89	1466	24.9066%	Fecal		CFU/100 mL	200	-	978,208.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/23/1990	357	377.17	0.5073	199.38	1470	24.9745%	Fecal		CFU/100 mL	200	-	975,726.2
5439500	10/19/1993	357	377.17	0.5073	199.38	1470	24.9745%	Fecal		CFU/100 mL	200	-	975,726.2
5439500	6/27/1995	357	377.17	0.5073	199.38	1470	24.9745%	Fecal		CFU/100 mL	200	-	975,726.2
5439500	7/5/2017	357	377.17	0.5073	199.38	1470	24.9745%	Fecal		CFU/100 mL	200	-	975,726.2
5439500	9/9/2020	357	377.17	0.5073	199.38	1470	24.9745%	Fecal		CFU/100 mL	200	-	975,726.2
5439500	5/31/2010	356	376.17	0.5073	198.88	1475	25.0595%	Fecal		CFU/100 mL	200	-	973,243.7
5439500	6/23/2016	356	376.17	0.5073	198.88	1475	25.0595%	Fecal		CFU/100 mL	200	-	973,243.7
5439500	10/20/2019	356	376.17	0.5073	198.88	1475	25.0595%	Fecal		CFU/100 mL	200	-	973,243.7
5439500	6/6/1993	355	375.17	0.5073	198.37	1478	25.1104%	Fecal		CFU/100 mL	200	-	970,761.1
5439500	6/11/2007	355	375.17	0.5073	198.37	1478	25.1104%	Fecal		CFU/100 mL	200	-	970,761.1
5439500	5/9/2013	355	375.17	0.5073	198.37	1478	25.1104%	Fecal		CFU/100 mL	200	-	970,761.1
5439500	6/1/1990	354	374.17	0.5073	197.86	1481	25.1614%	Fecal		CFU/100 mL	200	-	968,278.5
5439500	6/2/2010	354	374.17	0.5073	197.86	1481	25.1614%	Fecal		CFU/100 mL	200	-	968,278.5
5439500	6/13/2015	354	374.17	0.5073	197.86	1481	25.1614%	Fecal		CFU/100 mL	200	-	968,278.5
5439500	5/30/1998	353	373.17	0.5073	197.36	1484	25.2124%	Fecal		CFU/100 mL	200	-	965,796.0
5439500	5/20/2003	353	373.17	0.5073	197.36	1484	25.2124%	Fecal	2371	CFU/100 mL	200	11,449,511	965,796.0
5439500	6/26/2019	353	373.17	0.5073	197.36	1484	25.2124%	Fecal		CFU/100 mL	200	-	965,796.0
5439500	6/12/2020	353	373.17	0.5073	197.36	1484	25.2124%	Fecal		CFU/100 mL	200	-	965,796.0
5439500	8/30/1990	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	6/13/1995	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	10/24/1998	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	5/20/2005	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	8/16/2010	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	10/24/2019	352	372.17	0.5073	196.85	1488	25.2803%	Fecal		CFU/100 mL	200	-	963,313.4
5439500	5/1/2006	351	371.17	0.5073	196.34	1494	25.3823%	Fecal		CFU/100 mL	200	-	960,830.9
5439500	8/16/2007	351	371.17	0.5073	196.34	1494	25.3823%	Fecal		CFU/100 mL	200	-	960,830.9
5439500	5/26/2009	351	371.17	0.5073	196.34	1494	25.3823%	Fecal		CFU/100 mL	200	-	960,830.9
5439500	5/10/2011	351	371.17	0.5073	196.34	1494	25.3823%	Fecal		CFU/100 mL	200	-	960,830.9
5439500	5/10/2013	351	371.17	0.5073	196.34	1494	25.3823%	Fecal		CFU/100 mL	200	-	960,830.9
5439500	7/5/1990	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	5/20/1997	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	5/28/2001	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	6/13/2001	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	5/2/2002	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	6/19/2007	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	10/21/2019	350	370.17	0.5073	195.83	1499	25.4672%	Fecal		CFU/100 mL	200	-	958,348.3
5439500	7/17/2008	349	369.17	0.5073	195.33	1506	25.5861%	Fecal		CFU/100 mL	200	-	955,865.7
5439500	6/9/2010	349	369.17	0.5073	195.33	1506	25.5861%	Fecal		CFU/100 mL	200	-	955,865.7
5439500	10/6/1999	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	5/27/2002	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	5/21/2005	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	5/13/2006	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	9/8/2007	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	5/19/2008	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	6/18/2018	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	6/23/2021	348	368.17	0.5073	194.82	1508	25.6201%	Fecal		CFU/100 mL	200	-	953,383.2
5439500	9/2/2018	347	367.17	0.5073	194.31	1516	25.7560%	Fecal		CFU/100 mL	200	-	950,900.6
5439500	6/7/2020	347	367.17	0.5073	194.31	1516	25.7560%	Fecal		CFU/100 mL	200	-	950,900.6
5439500	6/2/1990	346	366.17	0.5073	193.80	1518	25.7900%	Fecal		CFU/100 mL	200	-	948,418.1
5439500	6/3/1990	346	366.17	0.5073	193.80	1518	25.7900%	Fecal		CFU/100 mL	200	-	948,418.1
5439500	10/23/2020	346	366.17	0.5073	193.80	1518	25.7900%	Fecal		CFU/100 mL	200	-	948,418.1
5439500	10/18/1990	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	6/23/1998	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	5/16/2006	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	8/14/2007	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	9/22/2016	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	7/20/2019	345	365.17	0.5073	193.30	1521	25.8410%	Fecal		CFU/100 mL	200	-	945,935.5
5439500	10/3/1999	344	364.17	0.5073	192.79	1527	25.9429%	Fecal		CFU/100 mL	200	-	943,452.9
5439500	6/1/2010	344	364.17	0.5073	192.79	1527	25.9429%	Fecal		CFU/100 mL	200	-	943,452.9
5439500	6/15/2014	344	364.17	0.5073	192.79	1527	25.9429%	Fecal		CFU/100 mL	200	-	943,452.9
5439500	5/12/1991	343	363.17	0.5073	192.28	1530	25.9939%	Fecal		CFU/100 mL	200	-	940,970.4
5439500	5/23/2000	343	363.17	0.5073	192.28	1530	25.9939%	Fecal		CFU/100 mL	200	-	940,970.4
5439500	6/26/2004	343	363.17	0.5073	192.28	1530	25.9939%	Fecal		CFU/100 mL	200	-	940,970.4
5439500	8/3/1993	342	362.17	0.5073	191.77	1533	26.0449%	Fecal		CFU/100 mL	200	-	938,487.8
5439500	7/3/2019	342	362.17	0.5073	191.77	1533	26.0449%	Fecal		CFU/100 mL	200	-	938,487.8
5439500	6/12/1991	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	7/3/1994	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	7/3/1996	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	5/15/2000	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	5/22/2014	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	6/4/2015	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	7/3/2017	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	7/6/2018	341	361.17	0.5073	191.27	1535	26.0788%	Fecal		CFU/100 mL	200	-	936,005.3
5439500	7/2/1996	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	5/6/1997	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	6/1/1997	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	5/11/2011	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	6/21/2017	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	10/26/2019	340	360.17	0.5073	190.76	1543	26.2147%	Fecal		CFU/100 mL	200	-	933,522.7
5439500	9/22/2001	339	359.17	0.5073	190.25	1549	26.3167%	Fecal		CFU/100 mL	200	-	931,040.1
5439500	6/20/2016	339	359.17	0.5073	190.25	1549	26.3167%	Fecal		CFU/100 mL	200	-	931,040.1
5439500	8/28/2016	339	359.17	0.5073	190.25	1549	26.3167%	Fecal		CFU/100 mL	200	-	931,040.1
5439500	5/4/2003	338	358.17	0.5073	189.75	1552	26.3677%	Fecal		CFU/100 mL	200	-	928,557.6
5439500	6/29/2009	338	358.17	0.5073	189.75	1552	26.3677%	Fecal		CFU/100 mL	200	-	928,557.6
5439500	5/11/2013	338	358.17	0.5073	189.75	1552	26.3677%	Fecal		CFU/100 mL	200	-	928,557.6
5439500	5/7/2018	338	358.17	0.5073	189.75	1552	26.3677%	Fecal		CFU/100 mL	200	-	928,557.6
5439500	6/8/2010	337	357.17	0.5073	189.24	1556	26.4356%	Fecal		CFU/100 mL	200	-	926,075.0
5439500	6/1/2017	337	357.17	0.5073	189.24	1556	26.4356%	Fecal		CFU/100 mL	200	-	926,075.0
5439500	7/15/1993	336	356.17	0.5073	188.73	1558	26.4696%	Fecal		CFU/100 mL	200	-	923,592.5
5439500	5/21/2014	336	356.17	0.5073	188.73	1558	26.4696%	Fecal		CFU/100 mL	200	-	923,592.5
5439500	6/9/2020	336	356.17	0.5073	188.73	1558	26.4696%	Fecal		CFU/100 mL	200	-	923,592.5
5439500	9/11/2014	335	355.17	0.5073	188.22	1561	26.5206%	Fecal		CFU/100 mL	200	-	921,109.9
5439500	5/28/2018	335	355.17	0.5073	188.22	1561	26.5206%	Fecal		CFU/100 mL	200	-	921,109.9
5439500	7/14/2000	334	354.17	0.5073	187.72	1563	26.5545%	Fecal		CFU/100 mL	200	-	918,627.3
5439500	5/5/2002	334	354.17	0.5073	187.72	1563	26.5545%	Fecal		CFU/100 mL	200	-	918,627.3
5439500	6/20/2002	334	354.17	0.5073	187.72	1563	26.5545%	Fecal		CFU/100 mL	200	-	918,627.3
5439500	7/17/1996	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	5/14/1997	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	6/29/1999	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	5/28/2007	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	6/5/2010	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	7/5/2010	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	5/12/2011	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	9/20/2019	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	7/5/2021	333	353.17	0.5073	187.21	1566	26.6055%	Fecal		CFU/100 mL	200	-	916,144.8
5439500	10/19/1990	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	5/6/2007	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	8/3/2017	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	10/18/2018	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	6/27/2019	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	6/8/2020	332	352.17	0.5073	186.70	1575	26.7584%	Fecal		CFU/100 mL	200	-	913,662.2
5439500	8/25/1996	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	5/31/2000	331	351.17	0.5073	186.19	1581	26.8603%	Fecal	1672	CFU/100 mL	200	7,617,462	911,179.7

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/29/2007	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	5/30/2008	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	6/19/2008	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	6/26/2011	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	5/23/2015	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	6/28/2019	331	351.17	0.5073	186.19	1581	26.8603%	Fecal		CFU/100 mL	200	-	911,179.7
5439500	6/9/1991	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	6/14/1995	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	5/19/1996	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	6/3/2013	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	6/7/2013	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	7/7/2013	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	7/25/2015	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	7/7/2017	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	6/9/2018	330	350.17	0.5073	185.69	1589	26.9963%	Fecal		CFU/100 mL	200	-	908,697.1
5439500	6/30/1995	329	349.17	0.5073	185.18	1598	27.1492%	Fecal		CFU/100 mL	200	-	906,214.5
5439500	6/2/2008	329	349.17	0.5073	185.18	1598	27.1492%	Fecal		CFU/100 mL	200	-	906,214.5
5439500	6/10/2010	329	349.17	0.5073	185.18	1598	27.1492%	Fecal		CFU/100 mL	200	-	906,214.5
5439500	7/7/2018	329	349.17	0.5073	185.18	1598	27.1492%	Fecal		CFU/100 mL	200	-	906,214.5
5439500	7/2/2019	329	349.17	0.5073	185.18	1598	27.1492%	Fecal		CFU/100 mL	200	-	906,214.5
5439500	5/29/1999	328	348.17	0.5073	184.67	1603	27.2341%	Fecal		CFU/100 mL	200	-	903,732.0
5439500	5/13/2004	327	347.17	0.5073	184.17	1604	27.2511%	Fecal		CFU/100 mL	200	-	901,249.4
5439500	5/31/1998	326	346.17	0.5073	183.66	1605	27.2681%	Fecal		CFU/100 mL	200	-	898,766.9
5439500	5/1/2000	326	346.17	0.5073	183.66	1605	27.2681%	Fecal		CFU/100 mL	200	-	898,766.9
5439500	5/27/2001	326	346.17	0.5073	183.66	1605	27.2681%	Fecal		CFU/100 mL	200	-	898,766.9
5439500	5/28/2002	326	346.17	0.5073	183.66	1605	27.2681%	Fecal		CFU/100 mL	200	-	898,766.9
5439500	7/19/2014	326	346.17	0.5073	183.66	1605	27.2681%	Fecal		CFU/100 mL	200	-	898,766.9
5439500	5/4/1990	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	5/1/1991	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	5/16/1993	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	6/10/2000	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	6/4/2010	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	6/26/2016	325	345.17	0.5073	183.15	1610	27.3530%	Fecal		CFU/100 mL	200	-	896,284.3
5439500	5/13/1991	324	344.17	0.5073	182.64	1616	27.4550%	Fecal		CFU/100 mL	200	-	893,801.7
5439500	9/24/2000	324	344.17	0.5073	182.64	1616	27.4550%	Fecal		CFU/100 mL	200	-	893,801.7
5439500	9/26/2008	324	344.17	0.5073	182.64	1616	27.4550%	Fecal		CFU/100 mL	200	-	893,801.7
5439500	6/4/1990	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	5/24/1993	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	8/21/1994	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	9/24/2001	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	5/14/2006	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	10/10/2008	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	7/12/2013	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	6/4/2018	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	6/29/2019	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	7/5/2019	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	10/25/2019	323	343.17	0.5073	182.14	1619	27.5059%	Fecal		CFU/100 mL	200	-	891,319.2
5439500	5/29/2008	322	342.17	0.5073	181.63	1630	27.6928%	Fecal		CFU/100 mL	200	-	888,836.6
5439500	10/19/2018	322	342.17	0.5073	181.63	1630	27.6928%	Fecal		CFU/100 mL	200	-	888,836.6
5439500	5/13/2001	321	341.17	0.5073	181.12	1632	27.7268%	Fecal		CFU/100 mL	200	-	886,354.1
5439500	6/21/2016	321	341.17	0.5073	181.12	1632	27.7268%	Fecal		CFU/100 mL	200	-	886,354.1
5439500	6/13/2020	321	341.17	0.5073	181.12	1632	27.7268%	Fecal		CFU/100 mL	200	-	886,354.1
5439500	5/16/2000	320	340.17	0.5073	180.61	1635	27.7778%	Fecal		CFU/100 mL	200	-	883,871.5
5439500	10/30/2017	320	340.17	0.5073	180.61	1635	27.7778%	Fecal		CFU/100 mL	200	-	883,871.5
5439500	7/1/2019	320	340.17	0.5073	180.61	1635	27.7778%	Fecal		CFU/100 mL	200	-	883,871.5
5439500	9/17/1993	319	339.17	0.5073	180.11	1638	27.8287%	Fecal		CFU/100 mL	200	-	881,388.9
5439500	6/1/2012	319	339.17	0.5073	180.11	1638	27.8287%	Fecal		CFU/100 mL	200	-	881,388.9
5439500	6/27/2004	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	10/1/2011	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	5/12/2012	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	6/12/2016	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	10/29/2016	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	6/2/2017	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	6/24/2017	318	338.17	0.5073	179.60	1640	27.8627%	Fecal		CFU/100 mL	200	-	878,906.4
5439500	6/16/1997	317	337.17	0.5073	179.09	1647	27.9817%	Fecal		CFU/100 mL	200	-	876,423.8
5439500	8/25/1990	316	336.17	0.5073	178.59	1648	27.9986%	Fecal		CFU/100 mL	200	-	873,941.3
5439500	5/20/2008	316	336.17	0.5073	178.59	1648	27.9986%	Fecal		CFU/100 mL	200	-	873,941.3
5439500	6/2/1997	315	335.17	0.5073	178.08	1650	28.0326%	Fecal		CFU/100 mL	200	-	871,458.7
5439500	5/29/2002	315	335.17	0.5073	178.08	1650	28.0326%	Fecal		CFU/100 mL	200	-	871,458.7
5439500	6/30/2009	315	335.17	0.5073	178.08	1650	28.0326%	Fecal		CFU/100 mL	200	-	871,458.7
5439500	5/18/2014	315	335.17	0.5073	178.08	1650	28.0326%	Fecal		CFU/100 mL	200	-	871,458.7
5439500	10/20/2018	315	335.17	0.5073	178.08	1650	28.0326%	Fecal		CFU/100 mL	200	-	871,458.7
5439500	6/28/1998	314	334.17	0.5073	177.57	1655	28.1176%	Fecal		CFU/100 mL	200	-	868,976.1
5439500	5/6/2002	314	334.17	0.5073	177.57	1655	28.1176%	Fecal		CFU/100 mL	200	-	868,976.1
5439500	5/3/2008	314	334.17	0.5073	177.57	1655	28.1176%	Fecal		CFU/100 mL	200	-	868,976.1
5439500	8/23/2014	314	334.17	0.5073	177.57	1655	28.1176%	Fecal		CFU/100 mL	200	-	868,976.1
5439500	7/18/2020	314	334.17	0.5073	177.57	1655	28.1176%	Fecal		CFU/100 mL	200	-	868,976.1
5439500	7/16/1993	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	6/15/1995	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	5/7/1997	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	6/14/2001	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	6/3/2008	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	7/4/2017	313	333.17	0.5073	177.06	1660	28.2025%	Fecal		CFU/100 mL	200	-	866,493.6
5439500	8/19/1995	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	6/24/1998	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	6/21/2002	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	5/19/2003	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	5/19/2006	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	7/13/2010	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	6/5/2015	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	10/20/2017	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	7/16/2020	312	332.17	0.5073	176.56	1666	28.3045%	Fecal		CFU/100 mL	200	-	864,011.0
5439500	5/17/2000	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	6/15/2006	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	10/28/2008	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	5/12/2013	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	7/8/2016	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	7/8/2018	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	9/6/2018	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	6/30/2019	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	10/24/2020	311	331.17	0.5073	176.05	1675	28.4574%	Fecal		CFU/100 mL	200	-	861,528.5
5439500	6/10/1991	310	330.17	0.5073	175.54	1684	28.6103%	Fecal		CFU/100 mL	200	-	859,045.9
5439500	8/26/1996	310	330.17	0.5073	175.54	1684	28.6103%	Fecal		CFU/100 mL	200	-	859,045.9
5439500	5/24/2015	310	330.17	0.5073	175.54	1684	28.6103%	Fecal		CFU/100 mL	200	-	859,045.9
5439500	5/17/1993	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	5/2/1997	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	5/15/1997	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	6/27/1998	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	9/9/2007	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	7/18/2017	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	7/2/2020	309	329.17	0.5073	175.03	1687	28.6612%	Fecal		CFU/100 mL	200	-	856,563.3
5439500	8/11/1994	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	8/16/1995	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/17/1997	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	5/7/2007	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	5/10/2010	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	5/17/2014	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	6/8/2015	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	6/22/2016	308	328.17	0.5073	174.53	1694	28.7802%	Fecal		CFU/100 mL	200	-	854,080.8
5439500	5/14/1991	307	327.17	0.5073	174.02	1702	28.9161%	Fecal		CFU/100 mL	200	-	851,598.2
5439500	5/29/2007	307	327.17	0.5073	174.02	1702	28.9161%	Fecal		CFU/100 mL	200	-	851,598.2
5439500	6/3/2017	307	327.17	0.5073	174.02	1702	28.9161%	Fecal		CFU/100 mL	200	-	851,598.2
5439500	6/11/1991	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	5/30/1999	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	5/4/2006	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	7/6/2010	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	7/12/2010	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	8/17/2010	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	6/27/2011	306	326.17	0.5073	173.51	1705	28.9670%	Fecal		CFU/100 mL	200	-	849,115.7
5439500	5/2/2000	305	325.17	0.5073	173.00	1712	29.0860%	Fecal		CFU/100 mL	200	-	846,633.1
5439500	5/26/2006	305	325.17	0.5073	173.00	1712	29.0860%	Fecal		CFU/100 mL	200	-	846,633.1
5439500	5/1/2008	305	325.17	0.5073	173.00	1712	29.0860%	Fecal		CFU/100 mL	200	-	846,633.1
5439500	5/2/2008	305	325.17	0.5073	173.00	1712	29.0860%	Fecal		CFU/100 mL	200	-	846,633.1
5439500	6/17/2013	305	325.17	0.5073	173.00	1712	29.0860%	Fecal		CFU/100 mL	200	-	846,633.1
5439500	6/20/2008	304	324.17	0.5073	172.50	1717	29.1709%	Fecal		CFU/100 mL	200	-	844,150.5
5439500	10/2/2008	304	324.17	0.5073	172.50	1717	29.1709%	Fecal		CFU/100 mL	200	-	844,150.5
5439500	6/22/2017	304	324.17	0.5073	172.50	1717	29.1709%	Fecal		CFU/100 mL	200	-	844,150.5
5439500	7/6/1990	303	323.17	0.5073	171.99	1720	29.2219%	Fecal		CFU/100 mL	200	-	841,668.0
5439500	6/16/1995	303	323.17	0.5073	171.99	1720	29.2219%	Fecal		CFU/100 mL	200	-	841,668.0
5439500	5/12/2004	303	323.17	0.5073	171.99	1720	29.2219%	Fecal		CFU/100 mL	200	-	841,668.0
5439500	6/11/2010	303	323.17	0.5073	171.99	1720	29.2219%	Fecal		CFU/100 mL	200	-	841,668.0
5439500	6/5/2017	303	323.17	0.5073	171.99	1720	29.2219%	Fecal		CFU/100 mL	200	-	841,668.0
5439500	6/16/1991	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	10/20/1993	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	6/30/1999	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	5/15/2006	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	8/4/2017	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	6/14/2020	302	322.17	0.5073	171.48	1725	29.3068%	Fecal		CFU/100 mL	200	-	839,185.4
5439500	6/6/1990	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	7/17/1993	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	5/31/1999	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	5/29/2000	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	5/27/2007	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	7/26/2015	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	6/4/2017	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	6/23/2017	301	321.17	0.5073	170.98	1731	29.4088%	Fecal		CFU/100 mL	200	-	836,702.9
5439500	7/4/1994	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	7/4/1996	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	8/27/1996	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	5/19/1997	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	5/24/2000	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	5/8/2007	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	10/26/2021	300	320.17	0.5073	170.47	1739	29.5447%	Fecal		CFU/100 mL	200	-	834,220.3
5439500	5/2/1991	299	319.17	0.5073	169.96	1746	29.6636%	Fecal		CFU/100 mL	200	-	831,737.7
5439500	10/3/1993	299	319.17	0.5073	169.96	1746	29.6636%	Fecal		CFU/100 mL	200	-	831,737.7
5439500	5/29/2018	299	319.17	0.5073	169.96	1746	29.6636%	Fecal		CFU/100 mL	200	-	831,737.7
5439500	6/5/1990	298	318.17	0.5073	169.45	1749	29.7146%	Fecal		CFU/100 mL	200	-	829,255.2
5439500	5/5/1991	298	318.17	0.5073	169.45	1749	29.7146%	Fecal		CFU/100 mL	200	-	829,255.2
5439500	5/7/2002	298	318.17	0.5073	169.45	1749	29.7146%	Fecal		CFU/100 mL	200	-	829,255.2
5439500	8/13/2007	298	318.17	0.5073	169.45	1749	29.7146%	Fecal		CFU/100 mL	200	-	829,255.2
5439500	10/21/2018	298	318.17	0.5073	169.45	1749	29.7146%	Fecal		CFU/100 mL	200	-	829,255.2
5439500	10/11/1990	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	5/18/1993	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	6/15/2001	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	6/12/2007	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	7/8/2010	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	7/9/2018	297	317.17	0.5073	168.95	1754	29.7995%	Fecal		CFU/100 mL	200	-	826,772.6
5439500	5/22/2003	296	316.17	0.5073	168.44	1760	29.9015%	Fecal		CFU/100 mL	200	-	824,290.1
5439500	10/31/2018	296	316.17	0.5073	168.44	1760	29.9015%	Fecal		CFU/100 mL	200	-	824,290.1
5439500	10/25/1998	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	6/16/2001	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	6/28/2004	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	5/29/2014	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	6/11/2014	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	6/13/2016	295	315.17	0.5073	167.93	1762	29.9354%	Fecal		CFU/100 mL	200	-	821,807.5
5439500	7/5/1994	294	314.17	0.5073	167.42	1768	30.0374%	Fecal		CFU/100 mL	200	-	819,324.9
5439500	6/3/1997	294	314.17	0.5073	167.42	1768	30.0374%	Fecal		CFU/100 mL	200	-	819,324.9
5439500	5/9/2000	294	314.17	0.5073	167.42	1768	30.0374%	Fecal		CFU/100 mL	200	-	819,324.9
5439500	5/30/2002	294	314.17	0.5073	167.42	1768	30.0374%	Fecal		CFU/100 mL	200	-	819,324.9
5439500	7/7/2010	294	314.17	0.5073	167.42	1768	30.0374%	Fecal		CFU/100 mL	200	-	819,324.9
5439500	7/1/1999	293	313.17	0.5073	166.92	1773	30.1223%	Fecal		CFU/100 mL	200	-	816,842.4
5439500	6/22/2002	293	313.17	0.5073	166.92	1773	30.1223%	Fecal		CFU/100 mL	200	-	816,842.4
5439500	9/27/2008	293	313.17	0.5073	166.92	1773	30.1223%	Fecal		CFU/100 mL	200	-	816,842.4
5439500	6/7/1990	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	6/22/2001	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	7/10/2004	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	7/1/2009	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	7/20/2014	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	7/6/2019	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	7/21/2019	292	312.17	0.5073	166.41	1776	30.1733%	Fecal		CFU/100 mL	200	-	814,359.8
5439500	5/31/1993	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	6/17/1995	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	6/1/1998	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	10/29/1998	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	5/29/2001	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	5/21/2008	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	6/6/2013	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	6/16/2014	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	10/19/2014	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	7/10/2018	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	9/7/2018	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	10/22/2018	291	311.17	0.5073	165.90	1783	30.2922%	Fecal		CFU/100 mL	200	-	811,877.3
5439500	6/9/1990	290	310.17	0.5073	165.40	1795	30.4961%	Fecal		CFU/100 mL	200	-	809,394.7
5439500	7/7/1995	290	310.17	0.5073	165.40	1795	30.4961%	Fecal		CFU/100 mL	200	-	809,394.7
5439500	6/29/1998	290	310.17	0.5073	165.40	1795	30.4961%	Fecal		CFU/100 mL	200	-	809,394.7
5439500	7/11/2008	290	310.17	0.5073	165.40	1795	30.4961%	Fecal		CFU/100 mL	200	-	809,394.7
5439500	5/1/2015	290	310.17	0.5073	165.40	1795	30.4961%	Fecal		CFU/100 mL	200	-	809,394.7
5439500	10/20/1990	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	5/25/1993	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	10/28/1998	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	7/15/2000	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	6/14/2016	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	6/28/2017	289	309.17	0.5073	164.89	1800	30.5810%	Fecal		CFU/100 mL	200	-	806,912.1
5439500	5/15/1991	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	5/19/1993	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	6/1/2007	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/9/2010	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	5/13/2013	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	6/27/2016	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	7/17/2021	288	308.17	0.5073	164.38	1806	30.6830%	Fecal		CFU/100 mL	200	-	804,429.6
5439500	10/30/1996	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	6/27/1997	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	7/11/1998	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	6/28/2011	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	5/7/2012	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	5/28/2014	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	6/15/2020	287	307.17	0.5073	163.87	1813	30.8019%	Fecal		CFU/100 mL	200	-	801,947.0
5439500	6/8/1990	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	5/21/1997	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	5/12/2005	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	6/21/2008	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	9/12/2014	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	7/12/2020	286	306.17	0.5073	163.37	1820	30.9208%	Fecal		CFU/100 mL	200	-	799,464.5
5439500	6/25/1998	285	305.17	0.5073	162.86	1826	31.0228%	Fecal		CFU/100 mL	200	-	796,981.9
5439500	5/28/2000	285	305.17	0.5073	162.86	1826	31.0228%	Fecal		CFU/100 mL	200	-	796,981.9
5439500	7/8/2017	285	305.17	0.5073	162.86	1826	31.0228%	Fecal		CFU/100 mL	200	-	796,981.9
5439500	6/5/2018	285	305.17	0.5073	162.86	1826	31.0228%	Fecal		CFU/100 mL	200	-	796,981.9
5439500	5/16/1991	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	6/18/1995	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	5/16/1997	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	6/25/1997	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	8/18/2010	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	5/13/2012	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	6/8/2013	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	5/27/2014	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	9/2/2016	284	304.17	0.5073	162.35	1830	31.0907%	Fecal		CFU/100 mL	200	-	794,499.3
5439500	8/4/1993	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	7/5/1996	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	5/9/2002	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	5/1/2014	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	5/19/2014	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	6/12/2015	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	7/27/2015	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	10/31/2017	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	9/12/2020	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	9/13/2020	283	303.17	0.5073	161.84	1839	31.2436%	Fecal		CFU/100 mL	200	-	792,016.8
5439500	7/24/1990	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	9/20/2001	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	9/10/2007	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	6/4/2013	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	6/6/2015	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	6/7/2015	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	7/19/2017	282	302.17	0.5073	161.34	1849	31.4135%	Fecal		CFU/100 mL	200	-	789,534.2
5439500	5/3/1991	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	5/1/1992	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	5/31/2002	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	5/9/2007	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	8/17/2007	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	6/12/2013	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	7/13/2013	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	9/23/2016	281	301.17	0.5073	160.83	1856	31.5324%	Fecal		CFU/100 mL	200	-	787,051.7
5439500	7/15/1992	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	5/3/2000	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	5/30/2000	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	5/14/2001	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	7/14/2007	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	8/24/2014	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	10/23/2018	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	7/7/2019	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	7/12/2021	280	300.17	0.5073	160.32	1864	31.6684%	Fecal		CFU/100 mL	200	-	784,569.1
5439500	8/5/1990	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	8/28/1996	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	6/18/2001	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	7/18/2008	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	5/7/2010	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	7/6/2021	279	299.17	0.5073	159.82	1873	31.8213%	Fecal		CFU/100 mL	200	-	782,086.5
5439500	7/2/1999	278	298.17	0.5073	159.31	1879	31.9232%	Fecal		CFU/100 mL	200	-	779,604.0
5439500	10/7/1999	278	298.17	0.5073	159.31	1879	31.9232%	Fecal		CFU/100 mL	200	-	779,604.0
5439500	5/8/2002	278	298.17	0.5073	159.31	1879	31.9232%	Fecal		CFU/100 mL	200	-	779,604.0
5439500	6/9/2015	278	298.17	0.5073	159.31	1879	31.9232%	Fecal		CFU/100 mL	200	-	779,604.0
5439500	6/13/2021	278	298.17	0.5073	159.31	1879	31.9232%	Fecal		CFU/100 mL	200	-	779,604.0
5439500	10/12/1990	277	297.17	0.5073	158.80	1884	32.0082%	Fecal		CFU/100 mL	200	-	777,121.4
5439500	5/11/2002	277	297.17	0.5073	158.80	1884	32.0082%	Fecal		CFU/100 mL	200	-	777,121.4
5439500	5/14/2013	277	297.17	0.5073	158.80	1884	32.0082%	Fecal		CFU/100 mL	200	-	777,121.4
5439500	5/31/2013	277	297.17	0.5073	158.80	1884	32.0082%	Fecal		CFU/100 mL	200	-	777,121.4
5439500	6/4/1997	276	296.17	0.5073	158.29	1888	32.0761%	Fecal		CFU/100 mL	200	-	774,638.9
5439500	5/1/2002	276	296.17	0.5073	158.29	1888	32.0761%	Fecal		CFU/100 mL	200	-	774,638.9
5439500	6/6/2017	276	296.17	0.5073	158.29	1888	32.0761%	Fecal		CFU/100 mL	200	-	774,638.9
5439500	6/16/2020	276	296.17	0.5073	158.29	1888	32.0761%	Fecal		CFU/100 mL	200	-	774,638.9
5439500	5/20/1993	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	6/19/1995	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	6/23/2002	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	6/29/2004	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	6/21/2007	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	7/24/2008	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	10/11/2008	275	295.17	0.5073	157.79	1892	32.1441%	Fecal		CFU/100 mL	200	-	772,156.3
5439500	7/7/1990	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	6/2/1998	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	8/26/1999	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	5/22/2005	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	5/4/2008	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	7/9/2009	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	8/23/2011	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	5/23/2014	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	8/5/2017	274	294.17	0.5073	157.28	1899	32.2630%	Fecal		CFU/100 mL	200	-	769,673.7
5439500	6/16/2006	273	293.17	0.5073	156.77	1908	32.4159%	Fecal		CFU/100 mL	200	-	767,191.2
5439500	7/11/2018	273	293.17	0.5073	156.77	1908	32.4159%	Fecal		CFU/100 mL	200	-	767,191.2
5439500	7/19/2020	273	293.17	0.5073	156.77	1908	32.4159%	Fecal		CFU/100 mL	200	-	767,191.2
5439500	5/10/2021	273	293.17	0.5073	156.77	1908	32.4159%	Fecal		CFU/100 mL	200	-	767,191.2
5439500	5/4/1991	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	7/22/1999	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	10/17/2001	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	9/11/2007	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	7/2/2009	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	6/18/2013	272	292.17	0.5073	156.26	1912	32.4839%	Fecal		CFU/100 mL	200	-	764,708.6
5439500	8/26/1990	271	291.17	0.5073	155.76	1918	32.5858%	Fecal		CFU/100 mL	200	-	762,226.1
5439500	7/24/2007	271	291.17	0.5073	155.76	1918	32.5858%	Fecal		CFU/100 mL	200	-	762,226.1
5439500	10/24/2018	271	291.17	0.5073	155.76	1918	32.5858%	Fecal		CFU/100 mL	200	-	762,226.1
5439500	10/10/1993	270	290.17	0.5073	155.25	1921	32.6368%	Fecal		CFU/100 mL	200	-	759,743.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/21/1993	270	290.17	0.5073	155.25	1921	32.6368%	Fecal		CFU/100 mL	200	-	759,743.5
5439500	5/17/1997	270	290.17	0.5073	155.25	1921	32.6368%	Fecal		CFU/100 mL	200	-	759,743.5
5439500	6/3/2002	270	290.17	0.5073	155.25	1921	32.6368%	Fecal		CFU/100 mL	200	-	759,743.5
5439500	10/3/2008	270	290.17	0.5073	155.25	1921	32.6368%	Fecal		CFU/100 mL	200	-	759,743.5
5439500	5/2/1992	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	5/23/1993	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	7/1/1995	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	5/10/2007	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	6/2/2012	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	7/15/2018	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	6/17/2020	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	6/23/2020	269	289.17	0.5073	154.74	1926	32.7217%	Fecal		CFU/100 mL	200	-	757,260.9
5439500	6/17/1991	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	6/5/1992	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	10/4/1993	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	6/1/2002	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	5/30/2007	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	5/8/2008	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	9/1/2009	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	8/19/2010	268	288.17	0.5073	154.23	1934	32.8576%	Fecal		CFU/100 mL	200	-	754,778.4
5439500	7/16/1992	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	7/6/1996	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	5/4/2000	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	7/14/2010	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	5/20/2014	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	6/25/2017	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	7/3/2020	267	287.17	0.5073	153.73	1942	32.9935%	Fecal		CFU/100 mL	200	-	752,295.8
5439500	8/16/1994	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	8/29/1996	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	5/25/2000	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	5/15/2001	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	6/22/2008	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	6/29/2011	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	7/24/2016	266	286.17	0.5073	153.22	1949	33.1125%	Fecal		CFU/100 mL	200	-	749,813.3
5439500	6/20/1995	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	5/22/2008	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	9/28/2008	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	5/15/2013	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	6/6/2018	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	10/25/2018	265	285.17	0.5073	152.71	1956	33.2314%	Fecal		CFU/100 mL	200	-	747,330.7
5439500	6/5/1997	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	8/26/2011	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	10/2/2011	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	6/5/2013	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	7/21/2014	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	10/4/2014	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	9/20/2015	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	6/7/2017	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	5/8/2018	264	284.17	0.5073	152.21	1962	33.3333%	Fecal		CFU/100 mL	200	-	744,848.1
5439500	8/25/1993	263	283.17	0.5073	151.70	1971	33.4862%	Fecal		CFU/100 mL	200	-	742,365.6
5439500	5/18/1997	263	283.17	0.5073	151.70	1971	33.4862%	Fecal		CFU/100 mL	200	-	742,365.6
5439500	5/2/2014	263	283.17	0.5073	151.70	1971	33.4862%	Fecal		CFU/100 mL	200	-	742,365.6
5439500	7/28/2015	263	283.17	0.5073	151.70	1971	33.4862%	Fecal		CFU/100 mL	200	-	742,365.6
5439500	5/10/2018	263	283.17	0.5073	151.70	1971	33.4862%	Fecal		CFU/100 mL	200	-	742,365.6
5439500	5/22/1997	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	5/5/2000	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	6/19/2001	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	6/23/2001	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	5/10/2002	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	6/24/2002	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	8/22/2011	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	5/14/2012	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	5/2/2015	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	7/9/2017	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	10/21/2017	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	5/13/2018	262	282.17	0.5073	151.19	1976	33.5712%	Fecal		CFU/100 mL	200	-	739,883.0
5439500	8/31/1990	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	6/6/1997	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	6/13/1997	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	7/6/2016	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	10/26/2018	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	7/18/2019	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	6/24/2021	261	281.17	0.5073	150.68	1988	33.7751%	Fecal		CFU/100 mL	200	-	737,400.5
5439500	6/10/1990	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	5/21/1993	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	10/26/1998	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	8/25/2002	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	7/4/2004	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	7/10/2010	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	6/17/2014	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	5/3/2015	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	8/2/2016	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	6/18/2020	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	6/25/2021	260	280.17	0.5073	150.18	1995	33.8940%	Fecal		CFU/100 mL	200	-	734,917.9
5439500	5/1/1997	259	279.17	0.5073	149.67	2006	34.0809%	Fecal		CFU/100 mL	200	-	732,435.3
5439500	6/17/2001	259	279.17	0.5073	149.67	2006	34.0809%	Fecal		CFU/100 mL	200	-	732,435.3
5439500	6/30/2004	259	279.17	0.5073	149.67	2006	34.0809%	Fecal	200	CFU/100 mL	200	732,435	732,435.3
5439500	6/7/2018	259	279.17	0.5073	149.67	2006	34.0809%	Fecal		CFU/100 mL	200	-	732,435.3
5439500	7/22/2019	259	279.17	0.5073	149.67	2006	34.0809%	Fecal		CFU/100 mL	200	-	732,435.3
5439500	10/21/1990	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	7/7/1996	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	6/7/1997	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	10/8/2008	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	10/30/2008	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	5/14/2014	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	10/20/2014	258	278.17	0.5073	149.16	2011	34.1658%	Fecal		CFU/100 mL	200	-	729,952.8
5439500	8/30/1996	257	277.17	0.5073	148.65	2018	34.2847%	Fecal		CFU/100 mL	200	-	727,470.2
5439500	5/23/2003	257	277.17	0.5073	148.65	2018	34.2847%	Fecal		CFU/100 mL	200	-	727,470.2
5439500	5/20/2006	257	277.17	0.5073	148.65	2018	34.2847%	Fecal		CFU/100 mL	200	-	727,470.2
5439500	9/29/2008	257	277.17	0.5073	148.65	2018	34.2847%	Fecal		CFU/100 mL	200	-	727,470.2
5439500	10/27/2018	257	277.17	0.5073	148.65	2018	34.2847%	Fecal		CFU/100 mL	200	-	727,470.2
5439500	7/16/2000	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	5/11/2007	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	10/19/2007	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	5/23/2013	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	6/9/2013	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	7/25/2016	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	5/11/2021	256	276.17	0.5073	148.15	2023	34.3697%	Fecal		CFU/100 mL	200	-	724,987.7
5439500	6/1/1993	255	275.17	0.5073	147.64	2030	34.4886%	Fecal		CFU/100 mL	200	-	722,505.1
5439500	6/18/1997	255	275.17	0.5073	147.64	2030	34.4886%	Fecal		CFU/100 mL	200	-	722,505.1
5439500	6/28/2016	255	275.17	0.5073	147.64	2030	34.4886%	Fecal		CFU/100 mL	200	-	722,505.1
5439500	6/8/2017	255	275.17	0.5073	147.64	2030	34.4886%	Fecal		CFU/100 mL	200	-	722,505.1
5439500	7/8/2019	255	275.17	0.5073	147.64	2030	34.4886%	Fecal		CFU/100 mL	200	-	722,505.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/21/1995	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	6/3/1998	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	6/30/1998	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	8/3/2000	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	6/13/2007	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	8/20/2010	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	7/14/2013	254	274.17	0.5073	147.13	2035	34.5736%	Fecal		CFU/100 mL	200	-	720,022.5
5439500	7/3/2009	253	273.17	0.5073	146.63	2042	34.6925%	Fecal		CFU/100 mL	200	-	717,540.0
5439500	6/30/2011	253	273.17	0.5073	146.63	2042	34.6925%	Fecal		CFU/100 mL	200	-	717,540.0
5439500	6/9/2017	253	273.17	0.5073	146.63	2042	34.6925%	Fecal		CFU/100 mL	200	-	717,540.0
5439500	10/28/2018	253	273.17	0.5073	146.63	2042	34.6925%	Fecal		CFU/100 mL	200	-	717,540.0
5439500	6/2/2002	252	272.17	0.5073	146.12	2046	34.7604%	Fecal		CFU/100 mL	200	-	715,057.4
5439500	7/31/2011	252	272.17	0.5073	146.12	2046	34.7604%	Fecal		CFU/100 mL	200	-	715,057.4
5439500	8/5/1993	251	271.17	0.5073	145.61	2048	34.7944%	Fecal		CFU/100 mL	200	-	712,574.9
5439500	7/3/1999	251	271.17	0.5073	145.61	2048	34.7944%	Fecal		CFU/100 mL	200	-	712,574.9
5439500	5/27/2000	251	271.17	0.5073	145.61	2048	34.7944%	Fecal		CFU/100 mL	200	-	712,574.9
5439500	7/14/2018	251	271.17	0.5073	145.61	2048	34.7944%	Fecal		CFU/100 mL	200	-	712,574.9
5439500	10/17/1993	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	5/30/2001	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	6/25/2002	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	7/16/2003	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	9/12/2007	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	5/5/2008	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	5/24/2013	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	6/10/2015	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	10/30/2016	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	7/7/2021	250	270.17	0.5073	145.10	2052	34.8624%	Fecal		CFU/100 mL	200	-	710,092.3
5439500	8/31/1993	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	7/8/1996	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	5/24/1997	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	7/2/1997	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	5/5/2006	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	6/23/2008	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	7/5/2009	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	9/3/2010	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	8/14/2011	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	5/15/2012	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	10/29/2018	249	269.17	0.5073	144.60	2062	35.0323%	Fecal		CFU/100 mL	200	-	707,609.7
5439500	7/8/1990	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	6/12/1997	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	5/6/2000	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	5/26/2000	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	5/12/2006	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	10/12/2008	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	5/16/2013	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	6/19/2020	248	268.17	0.5073	144.09	2073	35.2192%	Fecal		CFU/100 mL	200	-	705,127.2
5439500	6/21/1994	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	5/23/1997	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	5/22/2001	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	7/5/2004	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	6/19/2013	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	10/30/2018	247	267.17	0.5073	143.58	2081	35.3551%	Fecal		CFU/100 mL	200	-	702,644.6
5439500	10/6/1991	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	5/22/1993	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	8/31/1996	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	5/7/2008	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	5/3/2014	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	6/10/2017	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	8/6/2017	246	266.17	0.5073	143.07	2087	35.4570%	Fecal		CFU/100 mL	200	-	700,162.0
5439500	7/8/1995	245	265.17	0.5073	142.57	2094	35.5759%	Fecal		CFU/100 mL	200	-	697,679.5
5439500	7/4/2009	245	265.17	0.5073	142.57	2094	35.5759%	Fecal		CFU/100 mL	200	-	697,679.5
5439500	6/10/2013	245	265.17	0.5073	142.57	2094	35.5759%	Fecal		CFU/100 mL	200	-	697,679.5
5439500	7/17/2018	245	265.17	0.5073	142.57	2094	35.5759%	Fecal		CFU/100 mL	200	-	697,679.5
5439500	6/26/2002	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	6/17/2006	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	8/6/2008	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	7/11/2009	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	8/21/2010	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	6/18/2014	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	6/26/2017	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	5/9/2018	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	6/8/2018	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	9/8/2018	244	264.17	0.5073	142.06	2098	35.6439%	Fecal		CFU/100 mL	200	-	695,196.9
5439500	7/19/1990	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	5/7/2000	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	7/1/2004	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	5/23/2008	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	7/12/2009	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	6/21/2013	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	7/22/2014	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	7/16/2018	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	6/24/2020	243	263.17	0.5073	141.55	2108	35.8138%	Fecal		CFU/100 mL	200	-	692,714.4
5439500	6/11/1990	242	262.17	0.5073	141.05	2117	35.9667%	Fecal		CFU/100 mL	200	-	690,231.8
5439500	5/16/2001	242	262.17	0.5073	141.05	2117	35.9667%	Fecal		CFU/100 mL	200	-	690,231.8
5439500	5/6/2008	242	262.17	0.5073	141.05	2117	35.9667%	Fecal		CFU/100 mL	200	-	690,231.8
5439500	10/4/2008	242	262.17	0.5073	141.05	2117	35.9667%	Fecal		CFU/100 mL	200	-	690,231.8
5439500	7/1/2011	242	262.17	0.5073	141.05	2117	35.9667%	Fecal		CFU/100 mL	200	-	690,231.8
5439500	5/26/1993	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	7/6/1994	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	7/12/1998	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	5/8/2000	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	5/31/2007	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	8/18/2007	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	5/9/2008	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	5/1/2010	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	5/30/2014	241	261.17	0.5073	140.54	2122	36.0516%	Fecal		CFU/100 mL	200	-	687,749.2
5439500	8/28/1990	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	9/11/1992	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	6/4/1998	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	5/12/2007	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	5/2/2010	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	5/16/2014	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	7/12/2018	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	7/9/2019	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	6/20/2020	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	6/21/2020	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	9/11/2020	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	7/11/2021	240	260.17	0.5073	140.03	2131	36.2046%	Fecal		CFU/100 mL	200	-	685,266.7
5439500	5/30/1993	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	8/6/1993	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	10/22/1993	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	7/4/1995	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	6/8/1997	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	5/31/2001	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	10/31/2008	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	7/6/2009	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	9/4/2010	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	10/21/2014	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	6/29/2016	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	7/13/2020	239	259.17	0.5073	139.52	2143	36.4084%	Fecal		CFU/100 mL	200	-	682,784.1
5439500	8/27/1990	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	10/5/1993	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	9/25/2000	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	5/25/2006	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/10/2009	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/11/2010	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	5/13/2014	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	5/15/2014	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	5/24/2014	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/29/2015	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/23/2019	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	6/22/2020	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/4/2020	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	7/18/2021	238	258.17	0.5073	139.02	2155	36.6123%	Fecal		CFU/100 mL	200	-	680,301.6
5439500	6/12/1990	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	6/18/1991	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	10/27/1998	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	9/25/2001	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	7/11/2004	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	6/26/2008	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	9/26/2011	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	6/11/2013	237	257.17	0.5073	138.51	2169	36.8502%	Fecal		CFU/100 mL	200	-	677,819.0
5439500	5/27/1993	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	10/11/1993	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	6/22/1995	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	7/9/1996	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	6/5/1998	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	5/16/2012	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	10/31/2016	236	256.17	0.5073	138.00	2177	36.9861%	Fecal		CFU/100 mL	200	-	675,336.4
5439500	5/4/1992	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	6/2/1993	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	9/1/1996	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	7/23/1999	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	5/8/2001	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	5/13/2005	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	10/22/2017	235	255.17	0.5073	137.49	2184	37.1050%	Fecal		CFU/100 mL	200	-	672,853.9
5439500	6/13/1990	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	6/28/1997	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	10/31/1998	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	6/27/2002	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	5/3/2010	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	7/15/2010	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	9/28/2018	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	7/10/2020	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	7/11/2020	234	254.17	0.5073	136.99	2191	37.2239%	Fecal		CFU/100 mL	200	-	670,371.3
5439500	7/25/1990	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	10/13/2008	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	7/26/2011	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	5/17/2013	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	5/25/2013	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	7/15/2013	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	7/9/2016	233	253.17	0.5073	136.48	2200	37.3768%	Fecal		CFU/100 mL	200	-	667,888.8
5439500	7/17/2000	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	6/20/2001	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	5/1/2004	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	6/24/2008	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	7/2/2011	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	10/3/2011	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	6/3/2012	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	6/11/2015	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	6/27/2017	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	10/23/2017	232	252.17	0.5073	135.97	2207	37.4958%	Fecal		CFU/100 mL	200	-	665,406.2
5439500	10/22/1990	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	5/28/1993	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	5/13/2007	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	7/30/2007	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	9/13/2007	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	5/22/2013	231	251.17	0.5073	135.46	2217	37.6656%	Fecal		CFU/100 mL	200	-	662,923.6
5439500	6/4/1993	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	5/1/1994	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	5/24/2003	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	6/14/2007	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	8/22/2010	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	8/7/2017	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	10/12/2017	230	250.17	0.5073	134.96	2223	37.7676%	Fecal		CFU/100 mL	200	-	660,441.1
5439500	7/9/1990	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	5/5/1992	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	7/4/1999	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	10/5/2000	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	5/1/2001	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	10/20/2007	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	5/24/2008	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	7/25/2008	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	5/29/2013	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	5/4/2014	229	249.17	0.5073	134.45	2230	37.8865%	Fecal		CFU/100 mL	200	-	657,958.5
5439500	6/26/1995	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	10/31/1996	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	5/23/2005	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	5/28/2013	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	6/20/2013	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	6/11/2017	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	7/13/2018	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	7/8/2021	228	248.17	0.5073	133.94	2240	38.0564%	Fecal		CFU/100 mL	200	-	655,476.0
5439500	5/29/1993	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	9/18/1993	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	6/9/1997	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	6/9/1998	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	7/2/2004	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	7/27/2007	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	5/20/2013	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	5/21/2013	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	5/27/2013	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	6/30/2016	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	7/21/2018	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	6/25/2020	227	247.17	0.5073	133.44	2248	38.1923%	Fecal		CFU/100 mL	200	-	652,993.4
5439500	10/13/1990	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/31/1992	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	8/7/1993	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	6/19/1997	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	6/6/1998	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	5/14/2007	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	5/10/2008	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	7/20/2020	226	246.17	0.5073	132.93	2260	38.3962%	Fecal		CFU/100 mL	200	-	650,510.8
5439500	6/23/1995	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	6/27/2008	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	6/29/2008	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	5/18/2013	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	5/26/2013	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	8/27/2019	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	9/10/2020	225	245.17	0.5073	132.42	2268	38.5321%	Fecal		CFU/100 mL	200	-	648,028.3
5439500	6/19/1991	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	7/7/1994	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	7/8/1994	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	9/2/1996	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	5/2/2001	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	6/21/2001	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	5/15/2007	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	6/25/2008	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	5/4/2010	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	5/17/2012	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	7/23/2014	224	244.17	0.5073	131.91	2275	38.6510%	Fecal		CFU/100 mL	200	-	645,545.7
5439500	6/21/1997	223	243.17	0.5073	131.41	2286	38.8379%	Fecal		CFU/100 mL	200	-	643,063.2
5439500	5/17/2001	223	243.17	0.5073	131.41	2286	38.8379%	Fecal		CFU/100 mL	200	-	643,063.2
5439500	8/25/2014	223	243.17	0.5073	131.41	2286	38.8379%	Fecal		CFU/100 mL	200	-	643,063.2
5439500	10/16/1990	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	8/8/2000	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	5/23/2001	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	5/24/2001	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	5/27/2006	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	6/18/2006	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	10/5/2008	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	10/14/2008	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	5/26/2014	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	8/25/2016	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	7/24/2019	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	10/25/2020	222	242.17	0.5073	130.90	2289	38.8889%	Fecal		CFU/100 mL	200	-	640,580.6
5439500	6/3/1993	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	9/1/1993	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	10/12/1993	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	7/3/2004	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	7/10/2019	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	7/11/2019	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	7/13/2021	221	241.17	0.5073	130.39	2301	39.0928%	Fecal		CFU/100 mL	200	-	638,098.0
5439500	5/23/1991	816	836.17	0.1459	130.07	2308	39.2117%	Fecal		CFU/100 mL	200	-	636,530.2
5439500	7/10/1996	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	9/27/1996	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	7/1/1998	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	6/24/2001	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	7/6/2004	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	6/28/2006	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	5/16/2007	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	6/22/2007	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	7/7/2009	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	7/3/2011	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	5/19/2013	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	9/13/2014	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	9/19/2015	220	240.17	0.5073	129.88	2309	39.2287%	Fecal		CFU/100 mL	200	-	635,615.5
5439500	6/14/1997	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	6/24/2007	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	5/25/2008	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	9/2/2009	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	5/25/2014	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	5/31/2014	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	10/14/2017	219	239.17	0.5073	129.38	2322	39.4495%	Fecal		CFU/100 mL	200	-	633,132.9
5439500	10/15/1990	218	238.17	0.5073	128.87	2329	39.5685%	Fecal		CFU/100 mL	200	-	630,650.4
5439500	7/9/1995	218	238.17	0.5073	128.87	2329	39.5685%	Fecal		CFU/100 mL	200	-	630,650.4
5439500	5/9/2001	218	238.17	0.5073	128.87	2329	39.5685%	Fecal		CFU/100 mL	200	-	630,650.4
5439500	10/1/2018	218	238.17	0.5073	128.87	2329	39.5685%	Fecal		CFU/100 mL	200	-	630,650.4
5439500	5/6/1992	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	8/30/1993	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	9/19/2001	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	5/21/2006	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	7/16/2013	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	7/30/2015	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	5/11/2018	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	5/12/2018	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	7/5/2020	217	237.17	0.5073	128.36	2333	39.6364%	Fecal		CFU/100 mL	200	-	628,167.8
5439500	5/1/1990	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	6/24/1995	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	6/20/1997	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	5/26/2001	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	6/28/2002	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	7/8/2009	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	5/5/2010	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	8/23/2010	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	5/30/2013	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	9/1/2013	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	10/22/2014	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	9/24/2016	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	6/12/2017	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	8/8/2017	216	236.17	0.5073	127.86	2342	39.7893%	Fecal		CFU/100 mL	200	-	625,685.2
5439500	7/10/1990	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	9/1/1990	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	5/1/1996	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	6/10/1997	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	5/10/2001	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	9/14/2007	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	9/3/2016	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	7/18/2018	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	9/30/2018	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	7/12/2019	215	235.17	0.5073	127.35	2356	40.0272%	Fecal		CFU/100 mL	200	-	623,202.7
5439500	7/30/1990	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	10/17/1990	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	6/20/1991	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	5/3/2001	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	10/18/2001	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	5/2/2004	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	6/28/2008	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	5/18/2012	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/13/2017	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	8/9/2017	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	8/10/2017	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	5/12/2021	214	234.17	0.5073	126.84	2366	40.1971%	Fecal		CFU/100 mL	200	-	620,720.1
5439500	5/9/1992	213	233.17	0.5073	126.33	2378	40.4010%	Fecal		CFU/100 mL	200	-	618,237.6
5439500	10/16/2008	213	233.17	0.5073	126.33	2378	40.4010%	Fecal		CFU/100 mL	200	-	618,237.6
5439500	7/23/2016	213	233.17	0.5073	126.33	2378	40.4010%	Fecal		CFU/100 mL	200	-	618,237.6
5439500	9/27/2018	213	233.17	0.5073	126.33	2378	40.4010%	Fecal		CFU/100 mL	200	-	618,237.6
5439500	7/16/2021	213	233.17	0.5073	126.33	2378	40.4010%	Fecal		CFU/100 mL	200	-	618,237.6
5439500	10/23/1990	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	9/10/1992	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	7/3/1995	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	6/11/1997	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	10/6/2000	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	10/15/2008	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	7/16/2010	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	8/27/2011	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	5/1/2012	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	6/4/2012	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	5/5/2014	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	9/26/2018	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	7/9/2021	212	232.17	0.5073	125.83	2383	40.4859%	Fecal		CFU/100 mL	200	-	615,755.0
5439500	5/7/1992	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	7/17/1992	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	5/2/1994	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	9/3/1996	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	7/18/2000	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	5/25/2001	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	5/6/2006	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	9/29/2018	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	6/14/2021	211	231.17	0.5073	125.32	2396	40.7068%	Fecal		CFU/100 mL	200	-	613,272.4
5439500	10/9/1993	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	7/12/1996	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	6/29/1997	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	7/13/1998	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	6/19/2006	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	6/30/2008	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	10/6/2008	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	5/6/2010	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	7/13/2019	210	230.17	0.5073	124.81	2405	40.8597%	Fecal		CFU/100 mL	200	-	610,789.9
5439500	7/5/1999	209	229.17	0.5073	124.30	2414	41.0126%	Fecal		CFU/100 mL	200	-	608,307.3
5439500	5/14/2005	209	229.17	0.5073	124.30	2414	41.0126%	Fecal		CFU/100 mL	200	-	608,307.3
5439500	7/4/2011	209	229.17	0.5073	124.30	2414	41.0126%	Fecal		CFU/100 mL	200	-	608,307.3
5439500	10/5/2014	209	229.17	0.5073	124.30	2414	41.0126%	Fecal		CFU/100 mL	200	-	608,307.3
5439500	5/10/1992	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	6/7/1998	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	6/15/2007	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	10/4/2011	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	7/20/2018	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	9/5/2019	208	228.17	0.5073	123.80	2418	41.0805%	Fecal		CFU/100 mL	200	-	605,824.8
5439500	5/8/1992	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	7/10/1995	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	9/4/1996	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	10/9/1999	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	5/25/2003	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	7/25/2007	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	7/13/2009	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	8/24/2010	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	8/3/2011	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	5/19/2012	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	7/17/2019	207	227.17	0.5073	123.29	2424	41.1825%	Fecal		CFU/100 mL	200	-	603,342.2
5439500	6/25/1995	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	8/20/1995	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	5/7/2001	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	10/17/2007	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	10/23/2014	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	8/11/2017	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	7/25/2019	206	226.17	0.5073	122.78	2435	41.3694%	Fecal		CFU/100 mL	200	-	600,859.6
5439500	10/6/1993	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	10/23/1993	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	5/4/2001	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	5/18/2001	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	5/21/2001	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	7/7/2004	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	7/15/2007	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	7/1/2016	205	225.17	0.5073	122.28	2442	41.4883%	Fecal		CFU/100 mL	200	-	598,377.1
5439500	5/12/1992	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	7/11/1996	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	10/28/2006	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	5/6/2014	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	7/24/2014	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	7/16/2019	204	224.17	0.5073	121.77	2450	41.6242%	Fecal		CFU/100 mL	200	-	595,894.5
5439500	7/13/1996	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	7/16/1996	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	5/5/2001	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	5/20/2012	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	5/9/2014	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	7/14/2019	203	223.17	0.5073	121.26	2456	41.7261%	Fecal		CFU/100 mL	200	-	593,412.0
5439500	7/26/2008	202	222.17	0.5073	120.75	2462	41.8281%	Fecal		CFU/100 mL	200	-	590,929.4
5439500	10/7/2008	202	222.17	0.5073	120.75	2462	41.8281%	Fecal		CFU/100 mL	200	-	590,929.4
5439500	9/5/2010	202	222.17	0.5073	120.75	2462	41.8281%	Fecal		CFU/100 mL	200	-	590,929.4
5439500	6/1/2014	202	222.17	0.5073	120.75	2462	41.8281%	Fecal		CFU/100 mL	200	-	590,929.4
5439500	8/10/2021	202	222.17	0.5073	120.75	2462	41.8281%	Fecal		CFU/100 mL	200	-	590,929.4
5439500	5/13/1992	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	7/3/1997	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	6/8/1998	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	9/23/2001	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	9/15/2007	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	10/17/2008	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	8/25/2010	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	6/3/2014	201	221.17	0.5073	120.25	2467	41.9130%	Fecal		CFU/100 mL	200	-	588,446.8
5439500	7/11/1990	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	6/15/1997	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	6/22/1997	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/1/1997	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	6/29/2002	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/12/2004	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	5/24/2005	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	5/17/2007	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	6/23/2007	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/18/2007	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	10/18/2007	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/24/2011	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/5/2012	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/17/2013	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	5/7/2014	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	6/2/2014	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	10/24/2014	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/22/2018	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/6/2020	200	220.17	0.5073	119.74	2475	42.0489%	Fecal		CFU/100 mL	200	-	585,964.3
5439500	7/21/1995	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	6/9/2005	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	10/4/2006	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	8/9/2011	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	5/21/2012	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	7/15/2019	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	7/26/2019	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	9/14/2020	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	7/10/2021	199	219.17	0.5073	119.23	2494	42.3717%	Fecal		CFU/100 mL	200	-	583,481.7
5439500	5/11/1992	198	218.17	0.5073	118.72	2503	42.5246%	Fecal		CFU/100 mL	200	-	580,999.2
5439500	7/3/1998	198	218.17	0.5073	118.72	2503	42.5246%	Fecal		CFU/100 mL	200	-	580,999.2
5439500	7/5/2011	198	218.17	0.5073	118.72	2503	42.5246%	Fecal		CFU/100 mL	200	-	580,999.2
5439500	8/21/2016	198	218.17	0.5073	118.72	2503	42.5246%	Fecal		CFU/100 mL	200	-	580,999.2
5439500	7/15/1990	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	7/26/1990	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/4/1996	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/6/2001	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/3/2004	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	7/27/2011	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/5/2012	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/8/2014	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	5/10/2014	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	9/21/2015	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	7/21/2020	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	7/14/2021	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	7/15/2021	197	217.17	0.5073	118.22	2507	42.5926%	Fecal		CFU/100 mL	200	-	578,516.6
5439500	8/16/1993	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	8/22/1994	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	5/9/1996	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	7/19/2000	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	8/7/2000	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	9/13/2000	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	8/3/2016	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	7/14/2020	196	216.17	0.5073	117.71	2520	42.8135%	Fecal		CFU/100 mL	200	-	576,034.0
5439500	7/14/1990	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	8/8/1993	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	8/24/1993	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	10/13/1993	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	6/30/1997	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	10/24/2008	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	7/16/2009	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	7/19/2018	195	215.17	0.5073	117.20	2528	42.9494%	Fecal		CFU/100 mL	200	-	573,551.5
5439500	10/14/1990	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	6/21/1991	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	10/24/1993	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	5/3/1994	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	7/2/1998	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	7/6/1999	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	7/31/2015	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	8/30/2015	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	5/13/2021	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	5/29/2021	194	214.17	0.5073	116.69	2536	43.0853%	Fecal		CFU/100 mL	200	-	571,068.9
5439500	10/24/1990	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	10/31/1991	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	5/2/1996	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	6/16/2007	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	5/2/2012	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	9/8/2020	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	7/19/2021	193	213.17	0.5073	116.19	2546	43.2552%	Fecal		CFU/100 mL	200	-	568,586.4
5439500	5/19/2001	192	212.17	0.5073	115.68	2553	43.3741%	Fecal		CFU/100 mL	200	-	566,103.8
5439500	7/15/2009	192	212.17	0.5073	115.68	2553	43.3741%	Fecal		CFU/100 mL	200	-	566,103.8
5439500	7/24/2009	192	212.17	0.5073	115.68	2553	43.3741%	Fecal		CFU/100 mL	200	-	566,103.8
5439500	5/22/2012	192	212.17	0.5073	115.68	2553	43.3741%	Fecal		CFU/100 mL	200	-	566,103.8
5439500	8/18/2017	192	212.17	0.5073	115.68	2553	43.3741%	Fecal		CFU/100 mL	200	-	566,103.8
5439500	6/30/2002	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	10/18/2008	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	8/1/2011	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	10/25/2014	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	9/9/2018	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	5/4/2021	191	211.17	0.5073	115.17	2558	43.4591%	Fecal		CFU/100 mL	200	-	563,621.2
5439500	8/13/1990	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	8/10/1993	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	10/7/1993	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	6/15/1994	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	6/1/2003	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	7/22/2016	190	210.17	0.5073	114.67	2564	43.5610%	Fecal		CFU/100 mL	200	-	561,138.7
5439500	10/7/1995	189	209.17	0.5073	114.16	2570	43.6629%	Fecal		CFU/100 mL	200	-	558,656.1
5439500	5/11/2004	189	209.17	0.5073	114.16	2570	43.6629%	Fecal		CFU/100 mL	200	-	558,656.1
5439500	5/22/2006	189	209.17	0.5073	114.16	2570	43.6629%	Fecal		CFU/100 mL	200	-	558,656.1
5439500	7/17/2010	189	209.17	0.5073	114.16	2570	43.6629%	Fecal		CFU/100 mL	200	-	558,656.1
5439500	8/30/2018	189	209.17	0.5073	114.16	2570	43.6629%	Fecal		CFU/100 mL	200	-	558,656.1
5439500	7/12/1990	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	10/8/1993	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	8/6/2000	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	5/4/2004	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	7/8/2004	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	6/20/2006	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	7/3/2008	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	7/25/2014	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	7/10/2016	188	208.17	0.5073	113.65	2575	43.7479%	Fecal		CFU/100 mL	200	-	556,173.6
5439500	10/25/1993	187	207.17	0.5073	113.14	2584	43.9008%	Fecal		CFU/100 mL	200	-	553,691.0
5439500	7/11/1995	187	207.17	0.5073	113.14	2584	43.9008%	Fecal		CFU/100 mL	200	-	553,691.0
5439500	5/18/2007	187	207.17	0.5073	113.14	2584	43.9008%	Fecal		CFU/100 mL	200	-	553,691.0
5439500	7/7/2020	187	207.17	0.5073	113.14	2584	43.9008%	Fecal		CFU/100 mL	200	-	553,691.0
5439500	5/14/1992	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	6/23/1997	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	6/26/2001	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	8/15/2002	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	5/5/2004	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	6/27/2006	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	6/25/2007	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	7/14/2009	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	7/25/2009	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	10/5/2011	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	10/11/2017	186	206.17	0.5073	112.64	2588	43.9687%	Fecal		CFU/100 mL	200	-	551,208.4
5439500	6/22/1991	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/14/1996	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	7/14/1998	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	9/26/2000	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	5/26/2003	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	8/1/2003	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	6/21/2006	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	5/6/2012	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	5/23/2012	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	6/6/2012	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	10/14/2014	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	8/12/2017	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	7/8/2020	185	205.17	0.5073	112.13	2599	44.1556%	Fecal		CFU/100 mL	200	-	548,725.9
5439500	10/26/1993	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	5/3/1996	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	8/5/1998	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	7/10/1999	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	10/10/1999	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	7/10/2002	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	8/4/2004	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	6/22/2006	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	10/19/2008	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	9/3/2009	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	6/17/2012	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	7/2/2016	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	7/9/2020	184	204.17	0.5073	111.62	2612	44.3765%	Fecal		CFU/100 mL	200	-	546,243.3
5439500	6/6/1992	183	203.17	0.5073	111.11	2625	44.5973%	Fecal		CFU/100 mL	200	-	543,760.8
5439500	7/9/2004	183	203.17	0.5073	111.11	2625	44.5973%	Fecal		CFU/100 mL	200	-	543,760.8
5439500	8/26/2010	183	203.17	0.5073	111.11	2625	44.5973%	Fecal		CFU/100 mL	200	-	543,760.8
5439500	7/6/2011	183	203.17	0.5073	111.11	2625	44.5973%	Fecal		CFU/100 mL	200	-	543,760.8
5439500	7/26/2016	183	203.17	0.5073	111.11	2625	44.5973%	Fecal		CFU/100 mL	200	-	543,760.8
5439500	8/6/1990	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	9/19/1993	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	7/20/2000	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	5/20/2001	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	5/7/2006	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	9/16/2007	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	10/21/2008	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	8/4/2011	182	202.17	0.5073	110.61	2630	44.6823%	Fecal		CFU/100 mL	200	-	541,278.2
5439500	6/24/2009	680	700.17	0.1459	110.22	2638	44.8182%	Fecal		CFU/100 mL	200	-	539,405.0
5439500	7/9/1994	181	201.17	0.5073	110.10	2639	44.8352%	Fecal		CFU/100 mL	200	-	538,795.6
5439500	5/5/1996	181	201.17	0.5073	110.10	2639	44.8352%	Fecal		CFU/100 mL	200	-	538,795.6
5439500	5/28/2006	181	201.17	0.5073	110.10	2639	44.8352%	Fecal		CFU/100 mL	200	-	538,795.6
5439500	10/19/2001	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	7/1/2002	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	8/26/2002	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	10/21/2007	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	7/1/2008	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	6/4/2014	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	9/4/2019	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	5/14/2021	180	200.17	0.5073	109.59	2642	44.8862%	Fecal		CFU/100 mL	200	-	536,313.1
5439500	9/2/1990	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	5/15/1992	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	8/4/2000	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	7/13/2004	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	7/18/2013	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	10/27/2021	179	199.17	0.5073	109.09	2650	45.0221%	Fecal		CFU/100 mL	200	-	533,830.5
5439500	10/25/1990	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	8/9/1993	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	6/20/1994	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	5/19/2007	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	7/2/2008	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	7/8/2008	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	7/27/2008	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	10/20/2008	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	10/14/2011	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	5/24/2012	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	8/31/2013	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	7/27/2019	178	198.17	0.5073	108.58	2656	45.1240%	Fecal		CFU/100 mL	200	-	531,348.0
5439500	5/23/1992	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	10/27/1993	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	7/15/1996	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	9/28/1996	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	7/7/1999	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	5/6/2004	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	6/29/2006	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	6/17/2007	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	7/31/2007	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	8/10/2011	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	5/12/2014	177	197.17	0.5073	108.07	2668	45.3279%	Fecal		CFU/100 mL	200	-	528,865.4
5439500	5/4/1994	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	7/12/1995	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	5/15/2005	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	5/25/2005	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	5/29/2006	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	6/16/2012	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	7/26/2014	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	9/20/2018	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	7/22/2020	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	5/30/2021	176	196.17	0.5073	107.56	2679	45.5148%	Fecal		CFU/100 mL	200	-	526,382.8
5439500	7/16/1990	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	10/10/1990	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	9/17/2007	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	7/17/2009	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	5/4/2012	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	6/7/2012	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	6/8/2012	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	5/11/2014	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	10/26/2014	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	5/15/2021	175	195.17	0.5073	107.06	2689	45.6847%	Fecal		CFU/100 mL	200	-	523,900.3
5439500	8/1/1992	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	10/14/1993	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	10/7/2000	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	6/27/2001	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	7/15/2003	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	10/29/2006	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	5/20/2007	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	8/27/2010	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	8/29/2010	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	9/25/2018	174	194.17	0.5073	106.55	2699	45.8546%	Fecal		CFU/100 mL	200	-	521,417.7
5439500	7/27/1990	173	193.17	0.5073	106.04	2709	46.0245%	Fecal		CFU/100 mL	200	-	518,935.2
5439500	7/14/1992	173	193.17	0.5073	106.04	2709	46.0245%	Fecal		CFU/100 mL	200	-	518,935.2
5439500	7/9/1999	173	193.17	0.5073	106.04	2709	46.0245%	Fecal		CFU/100 mL	200	-	518,935.2
5439500	10/28/1993	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/29/1993	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	5/5/1994	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	8/9/2000	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	5/29/2003	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	6/23/2006	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	6/26/2007	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	9/6/2010	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	5/31/2012	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	6/5/2014	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	10/26/2016	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	5/3/2021	172	192.17	0.5073	105.53	2712	46.0754%	Fecal		CFU/100 mL	200	-	516,452.6
5439500	7/17/1990	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	6/23/1991	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	8/17/1994	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	9/5/1996	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	6/24/1997	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	7/2/2002	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	8/14/2002	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	10/22/2008	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	9/14/2014	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	9/19/2018	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	5/5/2021	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	5/16/2021	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	6/15/2021	171	191.17	0.5073	105.03	2724	46.2793%	Fecal		CFU/100 mL	200	-	513,970.0
5439500	7/18/1990	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	5/16/1992	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	6/18/1992	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	9/12/1992	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	8/13/1993	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	8/7/2008	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	5/25/2012	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	10/28/2014	170	190.17	0.5073	104.52	2737	46.5002%	Fecal		CFU/100 mL	200	-	511,487.5
5439500	10/23/2006	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	5/26/2007	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	7/26/2007	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	5/3/2012	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	8/6/2014	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	10/27/2014	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	7/23/2018	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	9/21/2018	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	7/15/2020	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	5/1/2021	169	189.17	0.5073	104.01	2745	46.6361%	Fecal		CFU/100 mL	200	-	509,004.9
5439500	10/15/1993	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/6/1994	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/6/1996	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/30/2003	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/7/2004	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/23/2006	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	6/18/2007	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	9/18/2007	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	6/9/2012	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	6/12/2012	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	8/17/2017	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/9/2021	168	188.17	0.5073	103.51	2755	46.8060%	Fecal		CFU/100 mL	200	-	506,522.4
5439500	5/2/1990	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	7/29/1990	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	10/26/1990	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	8/11/1993	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	8/17/1993	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	10/28/1995	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	7/21/2000	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	7/11/2002	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	7/17/2003	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	5/21/2007	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	8/28/2010	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	6/15/2012	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	9/25/2016	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	8/13/2017	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	9/12/2019	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	5/2/2021	167	187.17	0.5073	103.00	2767	47.0099%	Fecal		CFU/100 mL	200	-	504,039.8
5439500	7/31/1990	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	5/8/1994	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	6/28/2001	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	5/27/2003	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	5/31/2003	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	8/5/2004	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	7/23/2009	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	6/13/2012	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	8/26/2014	166	186.17	0.5073	102.49	2783	47.2817%	Fecal		CFU/100 mL	200	-	501,557.2
5439500	9/2/1993	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	7/15/1998	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	7/4/2008	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	8/8/2011	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	8/28/2011	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	8/1/2015	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	5/19/2021	165	185.17	0.5073	101.98	2792	47.4346%	Fecal		CFU/100 mL	200	-	499,074.7
5439500	7/13/1995	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	5/7/1996	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	5/24/2006	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	10/23/2008	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	10/6/2011	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	6/14/2012	164	184.17	0.5073	101.48	2799	47.5535%	Fecal		CFU/100 mL	200	-	496,592.1
5439500	5/17/1992	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	5/7/1994	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	7/9/1997	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	5/19/2005	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	8/30/2010	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	9/1/2010	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	5/20/2021	163	183.17	0.5073	100.97	2805	47.6555%	Fecal		CFU/100 mL	200	-	494,109.6
5439500	7/28/1990	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	7/20/1998	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	8/6/1998	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	8/26/1998	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	7/8/1999	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	5/22/2007	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	7/18/2009	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	8/15/2011	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	7/3/2016	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	7/20/2021	162	182.17	0.5073	100.46	2812	47.7744%	Fecal		CFU/100 mL	200	-	491,627.0
5439500	9/25/1993	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	10/16/1993	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	9/22/2000	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	5/8/2004	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/14/2004	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	5/26/2005	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	6/10/2005	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	5/8/2006	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	7/26/2009	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	9/2/2010	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	6/11/2012	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	7/27/2014	161	181.17	0.5073	99.95	2822	47.9443%	Fecal		CFU/100 mL	200	-	489,144.4
5439500	10/30/1993	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	7/5/1997	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	8/18/1997	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	6/26/2006	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	9/4/2009	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	9/24/2018	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	5/17/2021	160	180.17	0.5073	99.45	2834	48.1481%	Fecal		CFU/100 mL	200	-	486,661.9
5439500	6/4/1992	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	5/9/1994	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	8/27/1999	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	7/3/2002	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	5/28/2003	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	7/22/2004	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	8/21/2005	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	10/27/2006	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	7/28/2008	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	8/31/2010	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	5/26/2012	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	6/10/2012	159	179.17	0.5073	98.94	2841	48.2671%	Fecal		CFU/100 mL	200	-	484,179.3
5439500	7/18/1992	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	10/29/1995	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	10/11/1999	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	5/31/2006	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	10/24/2006	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	6/28/2007	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	8/5/2016	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	8/20/2016	158	178.17	0.5073	98.43	2853	48.4709%	Fecal		CFU/100 mL	200	-	481,696.8
5439500	7/13/1990	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	10/27/1990	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	8/12/1993	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	9/20/1993	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	8/21/1995	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	9/27/2000	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	6/29/2001	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	5/9/2004	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	9/19/2007	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	7/18/2010	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	7/7/2011	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	7/23/2020	157	177.17	0.5073	97.92	2861	48.6069%	Fecal		CFU/100 mL	200	-	479,214.2
5439500	9/3/1990	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	7/22/1995	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	7/21/1999	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	7/9/2002	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	6/27/2007	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	10/26/2020	156	176.17	0.5073	97.42	2873	48.8107%	Fecal		CFU/100 mL	200	-	476,731.6
5439500	5/22/1992	155	175.17	0.5073	96.91	2879	48.9127%	Fecal		CFU/100 mL	200	-	474,249.1
5439500	8/26/1993	155	175.17	0.5073	96.91	2879	48.9127%	Fecal		CFU/100 mL	200	-	474,249.1
5439500	8/7/2014	155	175.17	0.5073	96.91	2879	48.9127%	Fecal		CFU/100 mL	200	-	474,249.1
5439500	5/3/1990	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	6/24/1991	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	7/16/1998	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	6/2/2003	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	5/11/2005	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	5/16/2005	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	8/2/2011	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	8/14/2017	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	7/21/2021	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	7/22/2021	154	174.17	0.5073	96.40	2882	48.9636%	Fecal		CFU/100 mL	200	-	471,766.5
5439500	7/10/1994	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	5/27/2005	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	5/23/2007	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	7/16/2007	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	7/5/2008	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	8/6/2016	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	9/22/2018	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	5/31/2021	153	173.17	0.5073	95.90	2892	49.1335%	Fecal		CFU/100 mL	200	-	469,284.0
5439500	5/18/1992	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	7/14/1995	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	5/8/1996	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	7/24/1999	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	7/22/2000	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	10/8/2000	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	5/10/2004	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	10/15/2011	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	5/6/2021	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	5/18/2021	152	172.17	0.5073	95.39	2900	49.2695%	Fecal		CFU/100 mL	200	-	466,801.4
5439500	8/9/1991	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	5/19/1992	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	5/24/1992	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	9/21/1993	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	6/22/1994	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	6/30/2001	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	10/20/2001	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	5/30/2006	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	7/19/2009	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	7/12/2011	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	7/23/2011	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	5/27/2012	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	10/29/2014	151	171.17	0.5073	94.88	2910	49.4393%	Fecal		CFU/100 mL	200	-	464,318.8
5439500	10/28/1990	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	10/30/1991	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	10/4/2000	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	7/4/2002	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	7/15/2004	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	7/17/2007	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	10/22/2007	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	10/7/2011	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	10/6/2014	150	170.17	0.5073	94.37	2923	49.6602%	Fecal		CFU/100 mL	200	-	461,836.3
5439500	9/8/1990	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	9/3/1993	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	7/11/1999	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	9/26/2001	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	5/9/2006	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	6/24/2006	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	7/30/2008	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/22/2009	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	9/7/2010	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	7/4/2016	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	9/10/2018	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	9/23/2018	149	169.17	0.5073	93.87	2932	49.8131%	Fecal		CFU/100 mL	200	-	459,353.7
5439500	7/6/1997	148	168.17	0.5073	93.36	2944	50.0170%	Fecal		CFU/100 mL	200	-	456,871.2
5439500	8/25/1998	148	168.17	0.5073	93.36	2944	50.0170%	Fecal		CFU/100 mL	200	-	456,871.2
5439500	7/9/2008	148	168.17	0.5073	93.36	2944	50.0170%	Fecal		CFU/100 mL	200	-	456,871.2
5439500	7/23/2021	148	168.17	0.5073	93.36	2944	50.0170%	Fecal		CFU/100 mL	200	-	456,871.2
5439500	6/16/1994	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	10/12/1999	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	5/28/2005	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	6/30/2006	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	7/4/2006	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	9/5/2006	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	10/13/2011	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	5/28/2012	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	7/11/2016	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	9/4/2016	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	5/7/2021	147	167.17	0.5073	92.85	2948	50.0849%	Fecal		CFU/100 mL	200	-	454,388.6
5439500	6/29/2007	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	9/20/2007	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	7/29/2008	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	10/24/2010	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	7/8/2011	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	9/15/2018	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	5/21/2021	146	166.17	0.5073	92.34	2959	50.2718%	Fecal		CFU/100 mL	200	-	451,906.0
5439500	6/7/1992	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	9/8/1995	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	8/5/2000	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	8/1/2007	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	6/6/2014	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	7/24/2020	145	165.17	0.5073	91.84	2966	50.3908%	Fecal		CFU/100 mL	200	-	449,423.5
5439500	6/23/1994	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	8/19/1994	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	6/9/2003	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	5/24/2007	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	7/31/2008	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	5/29/2012	144	164.17	0.5073	91.33	2972	50.4927%	Fecal		CFU/100 mL	200	-	446,940.9
5439500	8/4/1990	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	8/14/1993	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	5/10/1994	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	10/17/1998	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	5/10/2006	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	5/11/2006	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	6/1/2006	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	7/6/2008	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	6/9/2014	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	8/2/2015	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	9/14/2018	143	163.17	0.5073	90.82	2978	50.5946%	Fecal		CFU/100 mL	200	-	444,458.4
5439500	5/20/1992	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	8/15/1993	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	7/15/1995	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	10/13/1999	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	7/1/2001	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	5/25/2007	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	8/7/2011	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	5/28/2021	142	162.17	0.5073	90.32	2989	50.7815%	Fecal		CFU/100 mL	200	-	441,975.8
5439500	5/25/1992	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	10/31/1993	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	10/9/2000	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	6/3/2003	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	6/25/2006	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	10/30/2006	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	7/7/2008	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	7/20/2009	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	5/30/2012	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	8/28/2019	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	5/8/2021	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	6/16/2021	141	161.17	0.5073	89.81	2997	50.9174%	Fecal		CFU/100 mL	200	-	439,493.2
5439500	6/25/1991	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	5/21/1992	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	5/11/1994	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	7/10/1997	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	7/5/2002	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	8/2/2003	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	7/23/2004	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	9/21/2007	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	8/4/2008	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	7/19/2010	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	7/28/2014	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	8/8/2018	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	6/1/2021	140	160.17	0.5073	89.30	3009	51.1213%	Fecal		CFU/100 mL	200	-	437,010.7
5439500	10/7/1991	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/7/1997	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/4/2001	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	5/29/2005	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	9/5/2009	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	9/23/2010	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	10/8/2011	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/5/2016	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/29/2016	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/24/2018	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	8/26/2019	139	159.17	0.5073	88.79	3022	51.3422%	Fecal		CFU/100 mL	200	-	434,528.1
5439500	7/23/1995	138	158.17	0.5073	88.29	3033	51.5291%	Fecal		CFU/100 mL	200	-	432,045.6
5439500	7/23/2000	138	158.17	0.5073	88.29	3033	51.5291%	Fecal		CFU/100 mL	200	-	432,045.6
5439500	5/17/2005	138	158.17	0.5073	88.29	3033	51.5291%	Fecal	510	CFU/100 mL	200	1,101,716	432,045.6
5439500	10/23/2007	138	158.17	0.5073	88.29	3033	51.5291%	Fecal		CFU/100 mL	200	-	432,045.6
5439500	8/15/2017	138	158.17	0.5073	88.29	3033	51.5291%	Fecal		CFU/100 mL	200	-	432,045.6
5439500	9/4/1990	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	8/27/2002	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	9/12/2006	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	9/22/2010	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	10/25/2010	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	8/11/2011	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	9/8/2016	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	9/26/2016	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	5/22/2021	137	157.17	0.5073	87.78	3038	51.6140%	Fecal		CFU/100 mL	200	-	429,563.0
5439500	9/4/1993	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	5/15/1994	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	7/17/1998	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	9/28/2000	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	7/12/2002	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/21/2009	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	7/27/2009	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	5/27/2021	136	156.17	0.5073	87.27	3047	51.7669%	Fecal		CFU/100 mL	200	-	427,080.4
5439500	10/29/1990	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	10/30/1990	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	9/22/1993	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	5/12/1994	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	10/10/2000	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	7/2/2001	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	6/4/2003	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	10/27/2010	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	10/30/2014	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	9/22/2015	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	8/19/2017	135	155.17	0.5073	86.76	3055	51.9028%	Fecal		CFU/100 mL	200	-	424,597.9
5439500	8/23/1994	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/8/1997	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/12/1999	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/31/2000	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	8/10/2000	134	154.17	0.5073	86.26	3066	52.0897%	Fecal	530	CFU/100 mL	200	1,118,606	422,115.3
5439500	9/14/2000	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	9/22/2007	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/10/2008	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/19/2013	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	8/3/2015	134	154.17	0.5073	86.26	3066	52.0897%	Fecal		CFU/100 mL	200	-	422,115.3
5439500	7/11/1994	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	7/16/1995	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	10/13/2001	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	6/18/2012	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	6/8/2014	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	5/26/2021	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	7/24/2021	133	153.17	0.5073	85.75	3076	52.2596%	Fecal		CFU/100 mL	200	-	419,632.8
5439500	10/31/1990	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	8/2/1992	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	7/6/2002	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	5/18/2005	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	6/30/2007	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	7/20/2010	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	9/24/2010	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	10/16/2011	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	6/7/2014	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	8/4/2016	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	9/6/2019	132	152.17	0.5073	85.24	3083	52.3785%	Fecal		CFU/100 mL	200	-	417,150.2
5439500	6/26/1991	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	6/17/1992	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	7/3/2001	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	7/7/2002	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	8/4/2003	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	10/24/2007	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	8/8/2008	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	10/3/2009	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	9/8/2010	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	7/9/2011	131	151.17	0.5073	84.74	3094	52.5654%	Fecal		CFU/100 mL	200	-	414,667.6
5439500	5/26/1992	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	5/13/1994	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	7/20/1994	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	7/22/1994	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	7/20/1995	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	10/14/1999	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	10/21/2001	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	6/10/2003	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	9/25/2010	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	10/9/2011	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	9/15/2014	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	5/23/2021	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	6/2/2021	130	150.17	0.5073	84.23	3104	52.7353%	Fecal		CFU/100 mL	200	-	412,185.1
5439500	10/8/1995	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	7/19/1998	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	7/29/2009	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	9/11/2010	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	10/26/2010	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	7/25/2020	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	9/15/2020	129	149.17	0.5073	83.72	3117	52.9562%	Fecal		CFU/100 mL	200	-	409,702.5
5439500	7/30/1992	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	8/22/1995	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	7/24/2000	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	10/11/2000	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	8/16/2002	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	6/11/2005	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	7/1/2006	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	9/10/2010	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	10/28/2010	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	10/31/2014	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	5/24/2021	128	148.17	0.5073	83.21	3124	53.0751%	Fecal		CFU/100 mL	200	-	407,220.0
5439500	9/5/1990	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	5/16/1994	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	5/25/1994	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	10/30/1995	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	6/2/2006	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	7/28/2009	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	9/6/2009	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	10/22/2009	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	8/29/2011	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	8/16/2017	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	7/27/2020	127	147.17	0.5073	82.71	3135	53.2620%	Fecal		CFU/100 mL	200	-	404,737.4
5439500	6/27/1991	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	8/18/1994	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	9/26/1994	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	10/15/1999	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	10/14/2000	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	5/30/2005	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	10/5/2006	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	9/6/2008	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	8/8/2009	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	9/12/2010	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	7/29/2014	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	8/4/2015	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	9/18/2018	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	6/3/2021	126	146.17	0.5073	82.20	3146	53.4489%	Fecal		CFU/100 mL	200	-	402,254.8
5439500	5/24/1994	125	145.17	0.5073	81.69	3160	53.6867%	Fecal		CFU/100 mL	200	-	399,772.3
5439500	9/29/2000	125	145.17	0.5073	81.69	3160	53.6867%	Fecal		CFU/100 mL	200	-	399,772.3
5439500	9/23/2007	125	145.17	0.5073	81.69	3160	53.6867%	Fecal		CFU/100 mL	200	-	399,772.3
5439500	9/9/2010	125	145.17	0.5073	81.69	3160	53.6867%	Fecal		CFU/100 mL	200	-	399,772.3
5439500	7/30/2019	125	145.17	0.5073	81.69	3160	53.6867%	Fecal		CFU/100 mL	200	-	399,772.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	8/14/1990	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	7/19/1992	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	8/19/1993	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	7/13/1994	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	10/29/1996	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	10/16/1999	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	9/15/2000	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	7/8/2002	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	6/8/2003	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	6/5/2005	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	8/6/2007	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	8/1/2008	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	6/10/2014	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	8/20/2015	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	7/25/2018	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	5/25/2021	124	144.17	0.5073	81.18	3165	53.7717%	Fecal		CFU/100 mL	200	-	397,289.7
5439500	8/1/1990	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	8/27/1993	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/12/1994	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	8/29/1998	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	10/12/2000	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/5/2001	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/3/2006	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/21/2010	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	9/21/2010	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/13/2011	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	8/5/2011	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	10/17/2011	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/20/2013	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	8/31/2015	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	9/11/2018	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	9/13/2018	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	7/26/2020	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	6/17/2021	123	143.17	0.5073	80.68	3181	54.0435%	Fecal		CFU/100 mL	200	-	394,807.2
5439500	5/14/1994	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	9/9/1996	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	7/13/2002	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	6/6/2005	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	9/26/2010	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	9/27/2010	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	10/10/2011	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	10/11/2011	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	8/27/2014	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	7/12/2016	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	10/13/2017	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	6/4/2021	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	6/11/2021	122	142.17	0.5073	80.17	3199	54.3493%	Fecal		CFU/100 mL	200	-	392,324.6
5439500	8/7/1990	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	6/8/1992	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	9/23/1993	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/28/1995	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	10/31/1995	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	9/29/1996	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/18/1998	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/21/1998	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/13/1999	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/25/1999	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	5/1/2005	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	8/2/2007	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	9/13/2010	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	9/29/2010	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/11/2011	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/29/2019	121	141.17	0.5073	79.66	3212	54.5702%	Fecal		CFU/100 mL	200	-	389,842.0
5439500	7/14/1994	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	7/17/1995	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	9/15/1998	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	10/22/2001	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	7/16/2004	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	8/6/2004	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	9/5/2008	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	9/20/2010	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	9/28/2010	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	7/10/2011	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	10/12/2011	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	7/30/2014	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	9/27/2016	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	8/13/2019	120	140.17	0.5073	79.15	3228	54.8420%	Fecal		CFU/100 mL	200	-	387,359.5
5439500	5/27/1992	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	7/24/1995	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	10/17/1996	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	7/25/2000	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	10/25/2006	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	10/31/2006	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	9/7/2009	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	8/3/2014	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	7/28/2019	119	139.17	0.5073	78.65	3242	55.0799%	Fecal		CFU/100 mL	200	-	384,876.9
5439500	9/9/1990	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	8/20/1993	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	6/5/2003	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	7/21/2004	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	9/6/2006	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	7/30/2009	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	9/15/2010	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	9/18/2015	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	10/27/2020	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	6/18/2021	118	138.17	0.5073	78.14	3251	55.2328%	Fecal		CFU/100 mL	200	-	382,394.4
5439500	9/25/1994	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	9/6/1996	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	7/11/1997	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	8/7/1998	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	9/30/2000	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	10/13/2000	117	137.17	0.5073	77.63	3261	55.4027%	Fecal	163	CFU/100 mL	200	309,628	379,911.8
5439500	7/24/2004	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	5/2/2005	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	5/3/2005	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	5/31/2005	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	9/25/2007	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	10/25/2007	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	9/14/2010	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	9/30/2010	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	8/20/2011	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	10/19/2012	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	10/7/2014	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/9/2015	117	137.17	0.5073	77.63	3261	55.4027%	Fecal		CFU/100 mL	200	-	379,911.8
5439500	7/1/1991	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	9/13/1991	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	7/26/1992	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	5/17/1994	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	10/22/1995	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	10/6/1998	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	10/15/2000	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	6/11/2003	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	7/10/2003	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	6/3/2006	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	7/2/2006	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	9/24/2007	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	9/26/2007	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	8/9/2009	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	9/19/2010	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	8/12/2011	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	9/12/2018	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	7/28/2020	116	136.17	0.5073	77.13	3279	55.7085%	Fecal		CFU/100 mL	200	-	377,429.2
5439500	7/25/1992	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	9/14/1993	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	7/6/2001	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	7/1/2007	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	10/28/2007	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	9/16/2010	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	10/18/2011	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	7/31/2019	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	9/7/2020	115	135.17	0.5073	76.62	3297	56.0143%	Fecal		CFU/100 mL	200	-	374,946.7
5439500	9/6/1990	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	10/17/1999	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	7/20/2004	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	10/4/2009	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	8/13/2011	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	8/16/2011	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	8/30/2011	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	8/8/2014	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	5/2/2018	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	6/5/2021	114	134.17	0.5073	76.11	3306	56.1672%	Fecal		CFU/100 mL	200	-	372,464.1
5439500	6/28/1991	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	9/5/1993	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	7/20/1999	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	9/27/2007	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/16/2007	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/27/2007	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	7/31/2009	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/1/2010	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/2/2010	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/6/2010	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	10/7/2010	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	8/19/2015	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	8/26/2016	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	7/30/2021	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	8/9/2021	113	133.17	0.5073	75.60	3316	56.3371%	Fecal		CFU/100 mL	200	-	369,981.6
5439500	5/28/1992	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	9/10/1996	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/16/1997	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/28/1999	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/26/2000	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/11/2000	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	10/2/2000	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	10/16/2000	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/7/2001	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	6/1/2005	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/9/2008	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/21/2009	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/22/2010	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	9/18/2010	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	10/4/2010	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/31/2014	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/26/2018	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	7/30/2020	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	6/20/2021	112	132.17	0.5073	75.10	3331	56.5919%	Fecal		CFU/100 mL	200	-	367,499.0
5439500	8/18/1996	436	456.17	0.1459	74.62	3350	56.9147%	Fecal		CFU/100 mL	200	-	365,150.9
5439500	6/19/1992	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	9/7/1996	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/24/1996	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	8/17/1997	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	7/14/1999	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/1/2000	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	8/6/2002	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/24/2004	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	5/8/2005	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	5/10/2005	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	6/12/2005	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	7/5/2006	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	9/17/2010	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/3/2010	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/5/2010	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/8/2010	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	10/19/2011	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	9/16/2014	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	8/20/2017	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	6/19/2021	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	7/25/2021	111	131.17	0.5073	74.59	3351	56.9317%	Fecal		CFU/100 mL	200	-	365,016.4
5439500	8/4/1992	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	9/22/1992	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/21/1993	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/8/1998	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/18/2000	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	10/17/2000	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	7/8/2001	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	7/17/2004	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	5/9/2005	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	10/26/2007	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/2/2008	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/10/2008	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	10/17/2009	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	10/9/2010	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/6/2011	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	10/25/2011	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	6/19/2012	110	130.17	0.5073	74.08	3372	57.2885%	Fecal		CFU/100 mL	200	-	362,533.9
5439500	8/19/1996	432	452.17	0.1459	74.03	3389	57.5773%	Fecal		CFU/100 mL	200	-	362,294.3
5439500	6/9/1992	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/21/1992	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	9/24/1993	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	8/28/2002	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	6/6/2003	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	7/18/2003	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	8/3/2003	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	5/4/2005	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	10/10/2010	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	7/14/2011	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	8/5/2015	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	8/7/2019	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	6/6/2021	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	10/28/2021	109	129.17	0.5073	73.57	3390	57.5943%	Fecal		CFU/100 mL	200	-	360,051.3
5439500	10/2/1999	427	447.17	0.1459	73.30	3404	57.8321%	Fecal		CFU/100 mL	200	-	358,723.5
5439500	7/3/1992	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	5/23/1994	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	5/26/1994	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	7/18/1995	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	9/20/1997	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	10/3/2000	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	7/14/2002	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	10/26/2006	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	9/8/2009	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	8/2/2014	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	10/29/2015	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	7/13/2016	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	7/29/2020	108	128.17	0.5073	73.07	3405	57.8491%	Fecal		CFU/100 mL	200	-	357,568.8
5439500	7/15/1994	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	7/25/1995	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	7/22/1998	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	6/7/2003	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	6/12/2003	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	9/28/2007	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	8/11/2008	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	10/16/2009	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	10/11/2010	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	10/20/2011	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	8/22/2017	107	127.17	0.5073	72.56	3418	58.0700%	Fecal		CFU/100 mL	200	-	355,086.2
5439500	8/2/1990	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	6/29/1991	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	9/8/1996	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	7/27/2000	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	10/18/2000	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	9/27/2001	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	5/5/2005	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	5/7/2005	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	6/2/2005	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	6/4/2005	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/4/2006	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/1/2009	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/26/2009	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/31/2011	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	10/21/2011	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	7/27/2016	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/21/2017	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	7/27/2018	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/21/2019	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	10/22/2020	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	6/7/2021	106	126.17	0.5073	72.05	3429	58.2569%	Fecal		CFU/100 mL	200	-	352,603.6
5439500	8/24/1994	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	7/27/1995	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	9/12/1996	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	10/18/1999	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	10/26/2000	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	7/9/2001	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	10/2/2007	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	10/3/2007	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	7/21/2013	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	7/27/2013	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	7/28/2018	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	9/16/2020	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	6/8/2021	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	6/10/2021	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	10/30/2021	105	125.17	0.5073	71.55	3450	58.6137%	Fecal		CFU/100 mL	200	-	350,121.1
5439500	8/12/1990	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	9/17/1992	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	5/20/1994	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/15/1999	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/26/1999	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	10/20/2000	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/9/2003	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	5/6/2005	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	6/4/2006	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/5/2007	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	8/31/2014	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	8/12/2015	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	9/5/2016	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	5/1/2018	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/31/2020	104	124.17	0.5073	71.04	3465	58.8685%	Fecal		CFU/100 mL	200	-	347,638.5
5439500	7/4/1991	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	8/27/1992	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/13/1992	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	5/21/1994	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/19/1999	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/21/2000	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/19/2000	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/27/2000	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	6/3/2005	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	6/7/2005	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/29/2007	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	8/2/2009	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/29/2010	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/22/2011	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/24/2011	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	10/26/2011	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/6/2014	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/21/2016	103	123.17	0.5073	70.53	3480	59.1233%	Fecal		CFU/100 mL	200	-	345,156.0
5439500	9/22/1990	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	5/22/1994	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	5/27/1994	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	7/19/1995	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	10/6/1995	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	9/11/1996	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/24/2000	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	7/25/2004	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	6/8/2005	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	7/2/2007	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	8/3/2007	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	10/2/2009	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	10/14/2010	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	7/15/2011	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	9/28/2016	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	10/28/2020	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	6/9/2021	102	122.17	0.5073	70.02	3498	59.4292%	Fecal		CFU/100 mL	200	-	342,673.4
5439500	7/2/1991	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	8/28/1993	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	9/6/1993	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	5/18/1994	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	7/29/1995	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	8/23/1995	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	7/23/1998	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	7/10/2001	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	6/13/2003	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	6/13/2005	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	10/29/2007	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	9/9/2009	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	9/10/2009	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	9/23/2015	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	7/28/2016	101	121.17	0.5073	69.52	3515	59.7180%	Fecal		CFU/100 mL	200	-	340,190.8
5439500	9/7/1990	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	6/30/1991	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/20/1992	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	5/19/1994	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	6/19/1994	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/16/1994	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/19/1997	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	9/16/1998	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/7/1998	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/27/1999	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/29/2000	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/21/2000	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/23/2000	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/25/2000	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/18/2004	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	7/19/2004	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/4/2007	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/18/2009	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	9/1/2011	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	8/5/2014	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	8/6/2015	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/7/2016	100	120.17	0.5073	69.01	3530	59.9728%	Fecal		CFU/100 mL	200	-	337,708.3
5439500	10/27/2011	99.9	120.07	0.5073	68.96	3552	60.3466%	Fecal		CFU/100 mL	200	-	337,460.0
5439500	8/30/2014	99.8	119.97	0.5073	68.91	3553	60.3636%	Fecal		CFU/100 mL	200	-	337,211.8
5439500	8/10/2009	99.7	119.87	0.5073	68.86	3554	60.3806%	Fecal		CFU/100 mL	200	-	336,963.5
5439500	7/11/2003	99.5	119.67	0.5073	68.76	3555	60.3976%	Fecal		CFU/100 mL	200	-	336,467.0
5439500	8/21/2014	99.5	119.67	0.5073	68.76	3555	60.3976%	Fecal		CFU/100 mL	200	-	336,467.0
5439500	8/14/2019	99.5	119.67	0.5073	68.76	3555	60.3976%	Fecal		CFU/100 mL	200	-	336,467.0
5439500	10/5/2002	99.4	119.57	0.5073	68.70	3558	60.4485%	Fecal		CFU/100 mL	200	-	336,218.7
5439500	8/1/2014	99.4	119.57	0.5073	68.70	3558	60.4485%	Fecal		CFU/100 mL	200	-	336,218.7
5439500	9/16/2018	99.4	119.57	0.5073	68.70	3558	60.4485%	Fecal		CFU/100 mL	200	-	336,218.7
5439500	8/22/2009	99.2	119.37	0.5073	68.60	3561	60.4995%	Fecal		CFU/100 mL	200	-	335,722.2
5439500	8/29/2018	99.1	119.27	0.5073	68.55	3562	60.5165%	Fecal		CFU/100 mL	200	-	335,474.0
5439500	8/3/1992	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	10/21/1995	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	10/18/1996	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	7/17/1999	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	9/5/2014	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	9/7/2019	99	119.17	0.5073	68.50	3563	60.5335%	Fecal		CFU/100 mL	200	-	335,225.7
5439500	10/29/2021	98.9	119.07	0.5073	68.45	3569	60.6354%	Fecal		CFU/100 mL	200	-	334,977.5
5439500	10/8/2014	98.6	118.77	0.5073	68.30	3570	60.6524%	Fecal		CFU/100 mL	200	-	334,232.7
5439500	10/31/2021	98.6	118.77	0.5073	68.30	3570	60.6524%	Fecal		CFU/100 mL	200	-	334,232.7
5439500	10/1/2007	98.3	118.47	0.5073	68.15	3572	60.6864%	Fecal		CFU/100 mL	200	-	333,487.9
5439500	5/29/1992	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	8/22/1993	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	9/27/1994	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	9/16/2000	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	10/22/2000	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	10/28/2000	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	10/29/2000	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	8/28/2014	98	118.17	0.5073	67.99	3573	60.7034%	Fecal		CFU/100 mL	200	-	332,743.2
5439500	10/18/2006	97.8	117.97	0.5073	67.89	3581	60.8393%	Fecal		CFU/100 mL	200	-	332,246.6
5439500	10/15/2010	97.8	117.97	0.5073	67.89	3581	60.8393%	Fecal		CFU/100 mL	200	-	332,246.6
5439500	10/23/2010	97.8	117.97	0.5073	67.89	3581	60.8393%	Fecal		CFU/100 mL	200	-	332,246.6
5439500	10/28/2011	97.8	117.97	0.5073	67.89	3581	60.8393%	Fecal		CFU/100 mL	200	-	332,246.6
5439500	8/29/2019	97.7	117.87	0.5073	67.84	3585	60.9072%	Fecal		CFU/100 mL	200	-	331,998.4
5439500	10/23/2011	97.6	117.77	0.5073	67.79	3586	60.9242%	Fecal		CFU/100 mL	200	-	331,750.1
5439500	9/17/2014	97.6	117.77	0.5073	67.79	3586	60.9242%	Fecal		CFU/100 mL	200	-	331,750.1
5439500	8/18/2019	97.6	117.77	0.5073	67.79	3586	60.9242%	Fecal		CFU/100 mL	200	-	331,750.1
5439500	10/25/2021	97.6	117.77	0.5073	67.79	3586	60.9242%	Fecal		CFU/100 mL	200	-	331,750.1
5439500	10/19/2006	97.5	117.67	0.5073	67.74	3590	60.9922%	Fecal		CFU/100 mL	200	-	331,501.9
5439500	8/5/2007	97.5	117.67	0.5073	67.74	3590	60.9922%	Fecal		CFU/100 mL	200	-	331,501.9
5439500	8/3/2008	97.5	117.67	0.5073	67.74	3590	60.9922%	Fecal		CFU/100 mL	200	-	331,501.9
5439500	10/20/2009	97.5	117.67	0.5073	67.74	3590	60.9922%	Fecal		CFU/100 mL	200	-	331,501.9
5439500	10/12/2010	97.4	117.57	0.5073	67.69	3594	61.0601%	Fecal		CFU/100 mL	200	-	331,253.6
5439500	8/29/1993	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	9/7/1993	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	10/9/1994	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	7/18/1999	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	7/28/2000	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	8/12/2000	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	8/11/2015	97	117.17	0.5073	67.49	3595	61.0771%	Fecal		CFU/100 mL	200	-	330,260.6
5439500	8/17/2011	96.9	117.07	0.5073	67.44	3602	61.1961%	Fecal		CFU/100 mL	200	-	330,012.3
5439500	6/20/2012	96.8	116.97	0.5073	67.39	3603	61.2130%	Fecal		CFU/100 mL	200	-	329,764.1
5439500	8/17/2002	96.7	116.87	0.5073	67.33	3604	61.2300%	Fecal		CFU/100 mL	200	-	329,515.8
5439500	10/19/2009	96.6	116.77	0.5073	67.28	3605	61.2470%	Fecal		CFU/100 mL	200	-	329,267.6
5439500	7/16/2011	96.4	116.57	0.5073	67.18	3606	61.2640%	Fecal		CFU/100 mL	200	-	328,771.1
5439500	7/26/2021	96.4	116.57	0.5073	67.18	3606	61.2640%	Fecal		CFU/100 mL	200	-	328,771.1
5439500	10/30/2015	96.3	116.47	0.5073	67.13	3608	61.2980%	Fecal		CFU/100 mL	200	-	328,522.8
5439500	7/4/2007	96.1	116.27	0.5073	67.03	3609	61.3150%	Fecal		CFU/100 mL	200	-	328,026.3
5439500	9/10/1990	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	7/5/1991	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	5/30/1992	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	8/23/1993	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	10/20/1999	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	8/23/2017	96	116.17	0.5073	66.98	3610	61.3320%	Fecal		CFU/100 mL	200	-	327,778.0
5439500	8/28/2004	95.8	115.97	0.5073	66.88	3616	61.4339%	Fecal		CFU/100 mL	200	-	327,281.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/22/2013	95.8	115.97	0.5073	66.88	3616	61.4339%	Fecal		CFU/100 mL	200	-	327,281.5
5439500	9/11/2009	95.6	115.77	0.5073	66.78	3618	61.4679%	Fecal		CFU/100 mL	200	-	326,785.0
5439500	9/30/2007	95.3	115.47	0.5073	66.62	3619	61.4849%	Fecal		CFU/100 mL	200	-	326,040.2
5439500	9/17/2018	95.3	115.47	0.5073	66.62	3619	61.4849%	Fecal		CFU/100 mL	200	-	326,040.2
5439500	8/8/1990	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	9/15/1992	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	5/28/1994	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	7/12/1997	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	7/16/1999	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	10/31/2000	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	7/11/2001	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	9/8/2001	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	8/13/2014	95	115.17	0.5073	66.47	3621	61.5189%	Fecal		CFU/100 mL	200	-	325,295.5
5439500	7/3/2007	94.9	115.07	0.5073	66.42	3630	61.6718%	Fecal		CFU/100 mL	200	-	325,047.2
5439500	10/30/2010	94.9	115.07	0.5073	66.42	3630	61.6718%	Fecal		CFU/100 mL	200	-	325,047.2
5439500	7/29/2021	94.9	115.07	0.5073	66.42	3630	61.6718%	Fecal		CFU/100 mL	200	-	325,047.2
5439500	10/17/2010	94.6	114.77	0.5073	66.27	3633	61.7227%	Fecal		CFU/100 mL	200	-	324,302.5
5439500	8/22/2019	94.6	114.77	0.5073	66.27	3633	61.7227%	Fecal		CFU/100 mL	200	-	324,302.5
5439500	7/21/2003	94.5	114.67	0.5073	66.22	3635	61.7567%	Fecal		CFU/100 mL	200	-	324,054.2
5439500	8/1/2020	94.4	114.57	0.5073	66.17	3636	61.7737%	Fecal		CFU/100 mL	200	-	323,805.9
5439500	8/9/2014	94.3	114.47	0.5073	66.12	3637	61.7907%	Fecal		CFU/100 mL	200	-	323,557.7
5439500	6/14/2003	94.2	114.37	0.5073	66.07	3638	61.8077%	Fecal		CFU/100 mL	200	-	323,309.4
5439500	10/16/2010	94.2	114.37	0.5073	66.07	3638	61.8077%	Fecal		CFU/100 mL	200	-	323,309.4
5439500	9/27/1992	94	114.17	0.5073	65.97	3640	61.8417%	Fecal		CFU/100 mL	200	-	322,812.9
5439500	7/30/2000	94	114.17	0.5073	65.97	3640	61.8417%	Fecal		CFU/100 mL	200	-	322,812.9
5439500	7/15/2002	94	114.17	0.5073	65.97	3640	61.8417%	Fecal		CFU/100 mL	200	-	322,812.9
5439500	6/5/2006	94	114.17	0.5073	65.97	3640	61.8417%	Fecal		CFU/100 mL	200	-	322,812.9
5439500	10/20/2010	94	114.17	0.5073	65.97	3640	61.8417%	Fecal		CFU/100 mL	200	-	322,812.9
5439500	10/19/2010	93.9	114.07	0.5073	65.91	3645	61.9266%	Fecal		CFU/100 mL	200	-	322,564.7
5439500	7/14/2016	93.9	114.07	0.5073	65.91	3645	61.9266%	Fecal		CFU/100 mL	200	-	322,564.7
5439500	7/6/2006	93.8	113.97	0.5073	65.86	3647	61.9606%	Fecal		CFU/100 mL	200	-	322,316.4
5439500	9/29/2016	93.8	113.97	0.5073	65.86	3647	61.9606%	Fecal		CFU/100 mL	200	-	322,316.4
5439500	10/21/2010	93.7	113.87	0.5073	65.81	3649	61.9946%	Fecal		CFU/100 mL	200	-	322,068.2
5439500	10/30/2007	93.6	113.77	0.5073	65.76	3650	62.0116%	Fecal		CFU/100 mL	200	-	321,819.9
5439500	9/2/2011	93.6	113.77	0.5073	65.76	3650	62.0116%	Fecal		CFU/100 mL	200	-	321,819.9
5439500	8/1/2019	93.4	113.57	0.5073	65.66	3652	62.0455%	Fecal		CFU/100 mL	200	-	321,323.4
5439500	10/5/2009	93.2	113.37	0.5073	65.56	3653	62.0625%	Fecal		CFU/100 mL	200	-	320,826.9
5439500	10/29/2020	93.1	113.27	0.5073	65.51	3654	62.0795%	Fecal		CFU/100 mL	200	-	320,578.6
5439500	7/8/1991	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	8/5/1992	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	9/28/1992	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	9/26/1996	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	10/21/1999	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	10/11/2009	93	113.17	0.5073	65.46	3655	62.0965%	Fecal		CFU/100 mL	200	-	320,330.4
5439500	10/31/2007	92.9	113.07	0.5073	65.41	3661	62.1984%	Fecal		CFU/100 mL	200	-	320,082.1
5439500	8/29/2002	92.7	112.87	0.5073	65.31	3662	62.2154%	Fecal		CFU/100 mL	200	-	319,585.6
5439500	6/14/2005	92.6	112.77	0.5073	65.25	3663	62.2324%	Fecal		CFU/100 mL	200	-	319,337.3
5439500	9/7/2014	92.6	112.77	0.5073	65.25	3663	62.2324%	Fecal		CFU/100 mL	200	-	319,337.3
5439500	8/12/2008	92.5	112.67	0.5073	65.20	3665	62.2664%	Fecal		CFU/100 mL	200	-	319,089.1
5439500	8/3/2009	92.4	112.57	0.5073	65.15	3666	62.2834%	Fecal		CFU/100 mL	200	-	318,840.8
5439500	10/13/2010	92.2	112.37	0.5073	65.05	3667	62.3004%	Fecal		CFU/100 mL	200	-	318,344.3
5439500	7/26/2004	92.1	112.27	0.5073	65.00	3668	62.3174%	Fecal		CFU/100 mL	200	-	318,096.1
5439500	8/18/2009	92.1	112.27	0.5073	65.00	3668	62.3174%	Fecal		CFU/100 mL	200	-	318,096.1
5439500	10/22/2010	92.1	112.27	0.5073	65.00	3668	62.3174%	Fecal		CFU/100 mL	200	-	318,096.1
5439500	7/21/1992	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	7/23/1992	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	7/24/1992	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	9/23/1992	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	10/22/1999	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	8/13/2000	92	112.17	0.5073	64.95	3671	62.3683%	Fecal		CFU/100 mL	200	-	317,847.8
5439500	10/5/2007	91.8	111.97	0.5073	64.85	3677	62.4703%	Fecal		CFU/100 mL	200	-	317,351.3
5439500	7/23/2013	91.8	111.97	0.5073	64.85	3677	62.4703%	Fecal		CFU/100 mL	200	-	317,351.3
5439500	10/29/2011	91.7	111.87	0.5073	64.80	3679	62.5042%	Fecal		CFU/100 mL	200	-	317,103.0
5439500	8/4/2014	91.7	111.87	0.5073	64.80	3679	62.5042%	Fecal		CFU/100 mL	200	-	317,103.0
5439500	8/7/2015	91.6	111.77	0.5073	64.75	3681	62.5382%	Fecal		CFU/100 mL	200	-	316,854.8
5439500	8/4/2007	91.5	111.67	0.5073	64.70	3682	62.5552%	Fecal		CFU/100 mL	200	-	316,606.5
5439500	8/2/2020	91.5	111.67	0.5073	64.70	3682	62.5552%	Fecal		CFU/100 mL	200	-	316,606.5
5439500	10/21/2009	91.3	111.47	0.5073	64.60	3684	62.5892%	Fecal		CFU/100 mL	200	-	316,110.0
5439500	8/8/2019	91.3	111.47	0.5073	64.60	3684	62.5892%	Fecal		CFU/100 mL	200	-	316,110.0
5439500	9/13/1996	91	111.17	0.5073	64.44	3686	62.6232%	Fecal		CFU/100 mL	200	-	315,365.2
5439500	8/5/2003	91	111.17	0.5073	64.44	3686	62.6232%	Fecal		CFU/100 mL	200	-	315,365.2
5439500	7/29/2018	91	111.17	0.5073	64.44	3686	62.6232%	Fecal		CFU/100 mL	200	-	315,365.2
5439500	10/18/2010	90.9	111.07	0.5073	64.39	3689	62.6741%	Fecal		CFU/100 mL	200	-	315,117.0
5439500	7/28/2021	90.9	111.07	0.5073	64.39	3689	62.6741%	Fecal		CFU/100 mL	200	-	315,117.0
5439500	10/31/2011	90.5	110.67	0.5073	64.19	3691	62.7081%	Fecal		CFU/100 mL	200	-	314,124.0
5439500	8/16/2015	90.5	110.67	0.5073	64.19	3691	62.7081%	Fecal		CFU/100 mL	200	-	314,124.0
5439500	10/8/2016	90.5	110.67	0.5073	64.19	3691	62.7081%	Fecal		CFU/100 mL	200	-	314,124.0
5439500	9/22/2009	90.3	110.47	0.5073	64.09	3694	62.7591%	Fecal		CFU/100 mL	200	-	313,627.4
5439500	8/6/2019	90.2	110.37	0.5073	64.04	3695	62.7761%	Fecal		CFU/100 mL	200	-	313,379.2
5439500	6/10/1992	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	7/23/1994	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	10/27/1995	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	10/25/1996	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	7/24/1998	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	7/19/1999	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	7/12/2001	90	110.17	0.5073	63.94	3696	62.7931%	Fecal		CFU/100 mL	200	-	312,882.7
5439500	8/23/2013	89.9	110.07	0.5073	63.89	3703	62.9120%	Fecal		CFU/100 mL	200	-	312,634.4
5439500	8/11/2020	89.9	110.07	0.5073	63.89	3703	62.9120%	Fecal		CFU/100 mL	200	-	312,634.4
5439500	9/12/2009	89.7	109.87	0.5073	63.78	3705	62.9460%	Fecal		CFU/100 mL	200	-	312,137.9
5439500	7/27/2021	89.7	109.87	0.5073	63.78	3705	62.9460%	Fecal		CFU/100 mL	200	-	312,137.9
5439500	10/20/2006	89.6	109.77	0.5073	63.73	3707	62.9800%	Fecal		CFU/100 mL	200	-	311,889.7
5439500	10/6/2007	89.5	109.67	0.5073	63.68	3708	62.9969%	Fecal		CFU/100 mL	200	-	311,641.4
5439500	10/10/2009	89.5	109.67	0.5073	63.68	3708	62.9969%	Fecal		CFU/100 mL	200	-	311,641.4
5439500	8/29/2004	89.4	109.57	0.5073	63.63	3710	63.0309%	Fecal		CFU/100 mL	200	-	311,393.1
5439500	9/9/2019	89.4	109.57	0.5073	63.63	3710	63.0309%	Fecal		CFU/100 mL	200	-	311,393.1
5439500	8/23/2009	89.2	109.37	0.5073	63.53	3712	63.0649%	Fecal		CFU/100 mL	200	-	310,896.6
5439500	8/3/1990	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	10/8/1991	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	8/3/1995	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	10/9/1995	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	10/23/1999	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	6/6/2006	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	8/3/2020	89	109.17	0.5073	63.43	3713	63.0819%	Fecal		CFU/100 mL	200	-	310,400.1
5439500	8/11/2021	88.9	109.07	0.5073	63.38	3720	63.2008%	Fecal		CFU/100 mL	200	-	310,151.9
5439500	7/16/2002	88.8	108.97	0.5073	63.33	3721	63.2178%	Fecal		CFU/100 mL	200	-	309,903.6
5439500	10/6/2006	88.7	108.87	0.5073	63.28	3722	63.2348%	Fecal		CFU/100 mL	200	-	309,655.4
5439500	8/20/2009	88.7	108.87	0.5073	63.28	3722	63.2348%	Fecal		CFU/100 mL	200	-	309,655.4
5439500	10/6/2009	88.7	108.87	0.5073	63.28	3722	63.2348%	Fecal		CFU/100 mL	200	-	309,655.4
5439500	10/30/2011	88.6	108.77	0.5073	63.23	3725	63.2858%	Fecal		CFU/100 mL	200	-	309,407.1
5439500	9/10/2019	88.5	108.67	0.5073	63.17	3726	63.3028%	Fecal		CFU/100 mL	200	-	309,158.8
5439500	9/9/2016	88.4	108.57	0.5073	63.12	3727	63.3197%	Fecal		CFU/100 mL	200	-	308,910.6
5439500	8/18/1990	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	5/31/1992	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	6/11/1992	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	6/17/1994	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/9/1995	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/30/1996	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/17/2000	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/3/2002	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/30/2016	88	108.17	0.5073	62.92	3728	63.3367%	Fecal		CFU/100 mL	200	-	307,917.6
5439500	9/18/2014	87.9	108.07	0.5073	62.87	3737	63.4896%	Fecal		CFU/100 mL	200	-	307,669.3
5439500	8/4/2009	87.8	107.97	0.5073	62.82	3738	63.5066%	Fecal		CFU/100 mL	200	-	307,421.0
5439500	8/24/2017	87.7	107.87	0.5073	62.77	3739	63.5236%	Fecal		CFU/100 mL	200	-	307,172.8
5439500	8/12/2019	87.7	107.87	0.5073	62.77	3739	63.5236%	Fecal		CFU/100 mL	200	-	307,172.8
5439500	10/6/2001	87.6	107.77	0.5073	62.72	3741	63.5576%	Fecal		CFU/100 mL	200	-	306,924.5
5439500	9/3/2011	87.5	107.67	0.5073	62.67	3742	63.5746%	Fecal		CFU/100 mL	200	-	306,676.3
5439500	5/28/1999	354	374.17	0.1459	62.65	3743	63.5916%	Fecal		CFU/100 mL	200	-	306,590.1
5439500	9/11/2015	87.4	107.57	0.5073	62.62	3744	63.6086%	Fecal		CFU/100 mL	200	-	306,428.0
5439500	6/23/2012	87.2	107.37	0.5073	62.52	3745	63.6256%	Fecal		CFU/100 mL	200	-	305,931.5
5439500	9/10/2008	87.1	107.27	0.5073	62.46	3746	63.6425%	Fecal		CFU/100 mL	200	-	305,683.3
5439500	10/15/2009	87.1	107.27	0.5073	62.46	3746	63.6425%	Fecal		CFU/100 mL	200	-	305,683.3
5439500	8/15/1990	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	9/11/1990	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	9/21/1990	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	6/20/1992	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	9/8/1993	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	7/13/1997	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	8/29/1999	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	8/14/2000	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	7/13/2001	87	107.17	0.5073	62.41	3748	63.6765%	Fecal		CFU/100 mL	200	-	305,435.0
5439500	10/31/2015	86.9	107.07	0.5073	62.36	3757	63.8294%	Fecal		CFU/100 mL	200	-	305,186.7
5439500	8/11/2009	86.7	106.87	0.5073	62.26	3758	63.8464%	Fecal		CFU/100 mL	200	-	304,690.2
5439500	10/31/2010	86.4	106.57	0.5073	62.11	3759	63.8634%	Fecal		CFU/100 mL	200	-	303,945.5
5439500	5/29/1994	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	8/25/1994	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	8/24/1995	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	10/23/1995	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	9/14/1996	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	7/27/2004	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	9/4/2011	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	10/1/2016	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	8/15/2019	86	106.17	0.5073	61.91	3760	63.8804%	Fecal		CFU/100 mL	200	-	302,952.4
5439500	7/31/2021	85.9	106.07	0.5073	61.86	3769	64.0333%	Fecal		CFU/100 mL	200	-	302,704.2
5439500	8/18/2011	85.8	105.97	0.5073	61.81	3770	64.0503%	Fecal		CFU/100 mL	200	-	302,455.9
5439500	8/29/2014	85.8	105.97	0.5073	61.81	3770	64.0503%	Fecal		CFU/100 mL	200	-	302,455.9
5439500	9/3/2019	85.4	105.57	0.5073	61.60	3772	64.0843%	Fecal		CFU/100 mL	200	-	301,462.9
5439500	9/17/2020	85.3	105.47	0.5073	61.55	3773	64.1013%	Fecal		CFU/100 mL	200	-	301,214.6
5439500	8/5/2002	85.2	105.37	0.5073	61.50	3774	64.1182%	Fecal		CFU/100 mL	200	-	300,966.4
5439500	9/10/2015	85.2	105.37	0.5073	61.50	3774	64.1182%	Fecal		CFU/100 mL	200	-	300,966.4
5439500	8/7/2016	85.2	105.37	0.5073	61.50	3774	64.1182%	Fecal		CFU/100 mL	200	-	300,966.4
5439500	6/14/1992	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	7/22/1992	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	7/27/1992	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	9/19/1992	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	5/30/1994	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	8/26/1994	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	9/24/1994	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	10/10/1994	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	8/19/1997	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	8/27/1998	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	10/8/1998	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	10/26/1999	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	8/19/2000	85	105.17	0.5073	61.40	3777	64.1692%	Fecal		CFU/100 mL	200	-	300,469.9
5439500	8/13/2008	84.8	104.97	0.5073	61.30	3790	64.3901%	Fecal		CFU/100 mL	200	-	299,973.4
5439500	8/12/2014	84.8	104.97	0.5073	61.30	3790	64.3901%	Fecal		CFU/100 mL	200	-	299,973.4
5439500	8/21/2015	84.8	104.97	0.5073	61.30	3790	64.3901%	Fecal		CFU/100 mL	200	-	299,973.4
5439500	8/9/2018	84.8	104.97	0.5073	61.30	3790	64.3901%	Fecal		CFU/100 mL	200	-	299,973.4
5439500	8/9/2019	84.8	104.97	0.5073	61.30	3790	64.3901%	Fecal		CFU/100 mL	200	-	299,973.4
5439500	8/12/2020	84.7	104.87	0.5073	61.25	3795	64.4750%	Fecal		CFU/100 mL	200	-	299,725.1
5439500	6/7/2006	84.6	104.77	0.5073	61.20	3796	64.4920%	Fecal		CFU/100 mL	200	-	299,476.9
5439500	7/21/2006	84.6	104.77	0.5073	61.20	3796	64.4920%	Fecal		CFU/100 mL	200	-	299,476.9
5439500	9/8/2019	84.6	104.77	0.5073	61.20	3796	64.4920%	Fecal		CFU/100 mL	200	-	299,476.9
5439500	10/12/2009	84.5	104.67	0.5073	61.15	3799	64.5430%	Fecal		CFU/100 mL	200	-	299,228.6
5439500	6/24/2012	84.5	104.67	0.5073	61.15	3799	64.5430%	Fecal		CFU/100 mL	200	-	299,228.6
5439500	7/24/2013	84.5	104.67	0.5073	61.15	3799	64.5430%	Fecal		CFU/100 mL	200	-	299,228.6
5439500	6/15/2005	84.4	104.57	0.5073	61.09	3802	64.5940%	Fecal	1440	CFU/100 mL	200	2,152,658	298,980.3
5439500	6/21/2012	84.4	104.57	0.5073	61.09	3802	64.5940%	Fecal		CFU/100 mL	200	-	298,980.3
5439500	9/13/2006	84.3	104.47	0.5073	61.04	3804	64.6279%	Fecal		CFU/100 mL	200	-	298,732.1
5439500	10/9/2014	84.3	104.47	0.5073	61.04	3804	64.6279%	Fecal		CFU/100 mL	200	-	298,732.1
5439500	8/8/2015	84.1	104.27	0.5073	60.94	3806	64.6619%	Fecal		CFU/100 mL	200	-	298,235.6
5439500	10/25/2015	84.1	104.27	0.5073	60.94	3806	64.6619%	Fecal		CFU/100 mL	200	-	298,235.6
5439500	9/4/1991	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	6/1/1992	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	6/2/1992	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	6/12/1992	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	6/15/1992	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	7/4/1992	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	7/17/1994	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	7/14/1997	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	7/28/1999	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	9/28/2001	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	9/5/2011	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	9/24/2015	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	8/20/2019	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	8/4/2020	84	104.17	0.5073	60.89	3808	64.6959%	Fecal		CFU/100 mL	200	-	297,987.3
5439500	10/30/2020	83.9	104.07	0.5073	60.84	3822	64.9337%	Fecal		CFU/100 mL	200	-	297,739.1
5439500	8/7/2009	83.8	103.97	0.5073	60.79	3823	64.9507%	Fecal		CFU/100 mL	200	-	297,490.8
5439500	7/15/2016	83.8	103.97	0.5073	60.79	3823	64.9507%	Fecal		CFU/100 mL	200	-	297,490.8
5439500	9/2/2013	83.6	103.77	0.5073	60.69	3825	64.9847%	Fecal		CFU/100 mL	200	-	296,994.3
5439500	8/2/2019	83.5	103.67	0.5073	60.64	3826	65.0017%	Fecal		CFU/100 mL	200	-	296,746.0
5439500	10/9/2007	83.2	103.37	0.5073	60.49	3827	65.0187%	Fecal		CFU/100 mL	200	-	296,001.3
5439500	10/13/2009	83.2	103.37	0.5073	60.49	3827	65.0187%	Fecal		CFU/100 mL	200	-	296,001.3
5439500	7/28/2013	83.2	103.37	0.5073	60.49	3827	65.0187%	Fecal		CFU/100 mL	200	-	296,001.3
5439500	8/19/2019	83.1	103.27	0.5073	60.44	3830	65.0697%	Fecal		CFU/100 mL	200	-	295,753.0
5439500	9/13/1993	83	103.17	0.5073	60.38	3831	65.0866%	Fecal		CFU/100 mL	200	-	295,504.8
5439500	10/23/1996	83	103.17	0.5073	60.38	3831	65.0866%	Fecal		CFU/100 mL	200	-	295,504.8
5439500	10/24/1999	83	103.17	0.5073	60.38	3831	65.0866%	Fecal		CFU/100 mL	200	-	295,504.8
5439500	8/17/2000	83	103.17	0.5073	60.38	3831	65.0866%	Fecal		CFU/100 mL	200	-	295,504.8
5439500	7/7/2006	83	103.17	0.5073	60.38	3831	65.0866%	Fecal		CFU/100 mL	200	-	295,504.8
5439500	10/7/2007	82.8	102.97	0.5073	60.28	3836	65.1716%	Fecal		CFU/100 mL	200	-	295,008.2
5439500	8/5/2020	82.5	102.67	0.5073	60.13	3837	65.1886%	Fecal		CFU/100 mL	200	-	294,263.5
5439500	6/22/2012	82.4	102.57	0.5073	60.08	3838	65.2056%	Fecal		CFU/100 mL	200	-	294,015.2
5439500	10/7/2009	82.3	102.47	0.5073	60.03	3839	65.2226%	Fecal		CFU/100 mL	200	-	293,767.0
5439500	9/2/2019	82.3	102.47	0.5073	60.03	3839	65.2226%	Fecal		CFU/100 mL	200	-	293,767.0
5439500	8/17/2015	82.1	102.27	0.5073	59.93	3841	65.2565%	Fecal		CFU/100 mL	200	-	293,270.5
5439500	10/2/2016	82.1	102.27	0.5073	59.93	3841	65.2565%	Fecal		CFU/100 mL	200	-	293,270.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/24/1992	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	8/27/1994	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	7/30/1995	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	8/4/1995	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	8/5/1995	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	9/15/1996	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	7/20/1997	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	7/25/1998	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	8/28/1998	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	9/20/2000	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	7/14/2001	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	6/20/2003	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	10/21/2006	82	102.17	0.5073	59.88	3843	65.2905%	Fecal		CFU/100 mL	200	-	293,022.2
5439500	8/5/2009	81.9	102.07	0.5073	59.83	3856	65.5114%	Fecal		CFU/100 mL	200	-	292,773.9
5439500	9/21/2009	81.7	101.87	0.5073	59.73	3857	65.5284%	Fecal		CFU/100 mL	200	-	292,277.4
5439500	8/10/2014	81.7	101.87	0.5073	59.73	3857	65.5284%	Fecal		CFU/100 mL	200	-	292,277.4
5439500	7/12/2003	81.6	101.77	0.5073	59.67	3859	65.5624%	Fecal		CFU/100 mL	200	-	292,029.2
5439500	8/19/2011	81.5	101.67	0.5073	59.62	3860	65.5793%	Fecal		CFU/100 mL	200	-	291,780.9
5439500	7/17/2002	81.4	101.57	0.5073	59.57	3861	65.5963%	Fecal		CFU/100 mL	200	-	291,532.7
5439500	8/11/2014	81.4	101.57	0.5073	59.57	3861	65.5963%	Fecal		CFU/100 mL	200	-	291,532.7
5439500	9/7/2016	81.3	101.47	0.5073	59.52	3863	65.6303%	Fecal		CFU/100 mL	200	-	291,284.4
5439500	7/26/2013	81.2	101.37	0.5073	59.47	3864	65.6473%	Fecal		CFU/100 mL	200	-	291,036.2
5439500	8/25/2017	81.2	101.37	0.5073	59.47	3864	65.6473%	Fecal		CFU/100 mL	200	-	291,036.2
5439500	8/9/1990	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	7/3/1991	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	9/14/1991	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	10/4/1991	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	9/16/1992	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	8/15/2000	81	101.17	0.5073	59.37	3866	65.6813%	Fecal		CFU/100 mL	200	-	290,539.6
5439500	6/21/2003	80.9	101.07	0.5073	59.32	3872	65.7832%	Fecal		CFU/100 mL	200	-	290,291.4
5439500	8/13/2015	80.9	101.07	0.5073	59.32	3872	65.7832%	Fecal		CFU/100 mL	200	-	290,291.4
5439500	8/23/2019	80.8	100.97	0.5073	59.27	3874	65.8172%	Fecal		CFU/100 mL	200	-	290,043.1
5439500	6/16/2003	80.6	100.77	0.5073	59.17	3875	65.8342%	Fecal		CFU/100 mL	200	-	289,546.6
5439500	10/9/2016	80.6	100.77	0.5073	59.17	3875	65.8342%	Fecal		CFU/100 mL	200	-	289,546.6
5439500	8/3/2019	80.6	100.77	0.5073	59.17	3875	65.8342%	Fecal		CFU/100 mL	200	-	289,546.6
5439500	6/19/2003	80.5	100.67	0.5073	59.12	3878	65.8852%	Fecal		CFU/100 mL	200	-	289,298.4
5439500	10/9/2009	80.5	100.67	0.5073	59.12	3878	65.8852%	Fecal		CFU/100 mL	200	-	289,298.4
5439500	10/8/2007	80.3	100.47	0.5073	59.02	3880	65.9191%	Fecal		CFU/100 mL	200	-	288,801.8
5439500	9/1/2015	80.3	100.47	0.5073	59.02	3880	65.9191%	Fecal		CFU/100 mL	200	-	288,801.8
5439500	8/30/2002	80.1	100.27	0.5073	58.91	3882	65.9531%	Fecal		CFU/100 mL	200	-	288,305.3
5439500	8/18/2015	80.1	100.27	0.5073	58.91	3882	65.9531%	Fecal		CFU/100 mL	200	-	288,305.3
5439500	9/9/1993	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	5/31/1994	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	10/19/1996	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	8/30/1998	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	9/18/2000	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	8/17/2009	80	100.17	0.5073	58.86	3884	65.9871%	Fecal		CFU/100 mL	200	-	288,057.1
5439500	9/22/2014	79.9	100.07	0.5073	58.81	3890	66.0890%	Fecal		CFU/100 mL	200	-	287,808.8
5439500	7/28/2004	79.8	99.97	0.5073	58.76	3891	66.1060%	Fecal		CFU/100 mL	200	-	287,560.6
5439500	8/6/2009	79.8	99.97	0.5073	58.76	3891	66.1060%	Fecal		CFU/100 mL	200	-	287,560.6
5439500	10/14/2009	79.8	99.97	0.5073	58.76	3891	66.1060%	Fecal		CFU/100 mL	200	-	287,560.6
5439500	8/18/2002	79.7	99.87	0.5073	58.71	3894	66.1570%	Fecal		CFU/100 mL	200	-	287,312.3
5439500	8/10/2019	79.7	99.87	0.5073	58.71	3894	66.1570%	Fecal		CFU/100 mL	200	-	287,312.3
5439500	7/19/2003	79.5	99.67	0.5073	58.61	3896	66.1910%	Fecal		CFU/100 mL	200	-	286,815.8
5439500	9/19/2014	79.5	99.67	0.5073	58.61	3896	66.1910%	Fecal		CFU/100 mL	200	-	286,815.8
5439500	9/13/2009	79.4	99.57	0.5073	58.56	3898	66.2249%	Fecal		CFU/100 mL	200	-	286,567.5
5439500	8/10/2015	79.3	99.47	0.5073	58.51	3899	66.2419%	Fecal		CFU/100 mL	200	-	286,319.3
5439500	8/9/2015	79.2	99.37	0.5073	58.46	3900	66.2589%	Fecal		CFU/100 mL	200	-	286,071.0
5439500	8/4/2019	79.2	99.37	0.5073	58.46	3900	66.2589%	Fecal		CFU/100 mL	200	-	286,071.0
5439500	8/30/2019	79.1	99.27	0.5073	58.41	3902	66.2929%	Fecal		CFU/100 mL	200	-	285,822.8
5439500	10/9/1990	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	8/8/1991	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	6/13/1992	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	6/23/1992	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	9/18/1997	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	10/25/1999	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	7/15/2001	79	99.17	0.5073	58.36	3903	66.3099%	Fecal		CFU/100 mL	200	-	285,574.5
5439500	6/25/2012	78.8	98.97	0.5073	58.25	3910	66.4288%	Fecal		CFU/100 mL	200	-	285,078.0
5439500	8/17/2019	78.6	98.77	0.5073	58.15	3911	66.4458%	Fecal		CFU/100 mL	200	-	284,581.5
5439500	7/16/2016	78.4	98.57	0.5073	58.05	3912	66.4628%	Fecal		CFU/100 mL	200	-	284,085.0
5439500	8/27/2017	78.4	98.57	0.5073	58.05	3912	66.4628%	Fecal		CFU/100 mL	200	-	284,085.0
5439500	8/30/2017	78.3	98.47	0.5073	58.00	3914	66.4968%	Fecal		CFU/100 mL	200	-	283,836.7
5439500	8/6/2020	78.3	98.47	0.5073	58.00	3914	66.4968%	Fecal		CFU/100 mL	200	-	283,836.7
5439500	10/14/2007	78.2	98.37	0.5073	57.95	3916	66.5308%	Fecal		CFU/100 mL	200	-	283,588.5
5439500	9/23/1990	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	10/26/1991	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	9/29/1992	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	7/19/1994	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	9/16/1996	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	10/1/1996	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	8/3/2001	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	9/10/2001	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	9/23/2009	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	9/11/2019	78	98.17	0.5073	57.85	3917	66.5477%	Fecal		CFU/100 mL	200	-	283,092.0
5439500	7/18/2002	77.9	98.07	0.5073	57.80	3927	66.7176%	Fecal		CFU/100 mL	200	-	282,843.7
5439500	8/26/2017	77.9	98.07	0.5073	57.80	3927	66.7176%	Fecal		CFU/100 mL	200	-	282,843.7
5439500	8/12/2021	77.9	98.07	0.5073	57.80	3927	66.7176%	Fecal		CFU/100 mL	200	-	282,843.7
5439500	7/17/2011	77.7	97.87	0.5073	57.70	3930	66.7686%	Fecal		CFU/100 mL	200	-	282,347.2
5439500	9/6/2016	77.7	97.87	0.5073	57.70	3930	66.7686%	Fecal		CFU/100 mL	200	-	282,347.2
5439500	7/25/2013	77.6	97.77	0.5073	57.65	3932	66.8026%	Fecal		CFU/100 mL	200	-	282,098.9
5439500	10/10/2014	77.5	97.67	0.5073	57.59	3933	66.8196%	Fecal		CFU/100 mL	200	-	281,850.7
5439500	6/16/2005	77.4	97.57	0.5073	57.54	3934	66.8366%	Fecal		CFU/100 mL	200	-	281,602.4
5439500	8/12/2009	77.4	97.57	0.5073	57.54	3934	66.8366%	Fecal		CFU/100 mL	200	-	281,602.4
5439500	10/3/2006	77.3	97.47	0.5073	57.49	3936	66.8705%	Fecal		CFU/100 mL	200	-	281,354.2
5439500	10/13/2014	77.3	97.47	0.5073	57.49	3936	66.8705%	Fecal		CFU/100 mL	200	-	281,354.2
5439500	10/10/2007	77.2	97.37	0.5073	57.44	3938	66.9045%	Fecal		CFU/100 mL	200	-	281,105.9
5439500	8/5/2019	77.2	97.37	0.5073	57.44	3938	66.9045%	Fecal		CFU/100 mL	200	-	281,105.9
5439500	10/31/2020	77.1	97.27	0.5073	57.39	3940	66.9385%	Fecal		CFU/100 mL	200	-	280,857.7
5439500	9/12/1990	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	6/3/1992	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	6/16/1992	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	8/6/1995	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/24/1995	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	9/17/1996	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/26/1996	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/27/1999	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/29/1999	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/30/1999	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	9/9/2008	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	8/22/2016	77	97.17	0.5073	57.34	3941	66.9555%	Fecal		CFU/100 mL	200	-	280,609.4
5439500	10/8/2009	76.9	97.07	0.5073	57.29	3953	67.1594%	Fecal		CFU/100 mL	200	-	280,361.1
5439500	8/28/2017	76.9	97.07	0.5073	57.29	3953	67.1594%	Fecal		CFU/100 mL	200	-	280,361.1
5439500	8/29/2017	76.9	97.07	0.5073	57.29	3953	67.1594%	Fecal		CFU/100 mL	200	-	280,361.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/10/2014	76.7	96.87	0.5073	57.19	3956	67.2103%	Fecal		CFU/100 mL	200	-	279,864.6
5439500	6/8/2006	76.6	96.77	0.5073	57.14	3957	67.2273%	Fecal		CFU/100 mL	200	-	279,616.4
5439500	9/25/2015	76.5	96.67	0.5073	57.09	3958	67.2443%	Fecal		CFU/100 mL	200	-	279,368.1
5439500	8/16/2019	76.5	96.67	0.5073	57.09	3958	67.2443%	Fecal		CFU/100 mL	200	-	279,368.1
5439500	7/29/2004	76.4	96.57	0.5073	57.04	3960	67.2783%	Fecal		CFU/100 mL	200	-	279,119.9
5439500	10/15/2007	76.1	96.27	0.5073	56.88	3961	67.2953%	Fecal		CFU/100 mL	200	-	278,375.1
5439500	8/7/2020	76.1	96.27	0.5073	56.88	3961	67.2953%	Fecal		CFU/100 mL	200	-	278,375.1
5439500	8/25/1995	76	96.17	0.5073	56.83	3963	67.3293%	Fecal		CFU/100 mL	200	-	278,126.8
5439500	8/9/1998	76	96.17	0.5073	56.83	3963	67.3293%	Fecal		CFU/100 mL	200	-	278,126.8
5439500	7/29/1999	76	96.17	0.5073	56.83	3963	67.3293%	Fecal		CFU/100 mL	200	-	278,126.8
5439500	9/1/2014	75.9	96.07	0.5073	56.78	3966	67.3802%	Fecal		CFU/100 mL	200	-	277,878.6
5439500	10/12/2007	75.8	95.97	0.5073	56.73	3967	67.3972%	Fecal		CFU/100 mL	200	-	277,630.3
5439500	10/13/2007	75.8	95.97	0.5073	56.73	3967	67.3972%	Fecal		CFU/100 mL	200	-	277,630.3
5439500	7/22/2011	75.5	95.67	0.5073	56.58	3969	67.4312%	Fecal		CFU/100 mL	200	-	276,885.6
5439500	9/2/2002	75.2	95.37	0.5073	56.43	3970	67.4482%	Fecal		CFU/100 mL	200	-	276,140.8
5439500	8/14/2008	75.2	95.37	0.5073	56.43	3970	67.4482%	Fecal		CFU/100 mL	200	-	276,140.8
5439500	8/15/2015	75.2	95.37	0.5073	56.43	3970	67.4482%	Fecal		CFU/100 mL	200	-	276,140.8
5439500	9/12/2015	75.2	95.37	0.5073	56.43	3970	67.4482%	Fecal		CFU/100 mL	200	-	276,140.8
5439500	8/14/2014	75.1	95.27	0.5073	56.38	3974	67.5161%	Fecal		CFU/100 mL	200	-	275,892.5
5439500	9/13/1990	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/6/1991	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/28/1992	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	9/14/1992	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	10/11/1994	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/21/1997	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/22/1997	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	10/28/1999	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	10/31/1999	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	8/20/2000	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	9/19/2000	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/16/2001	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/17/2001	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/8/2006	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	7/6/2007	75	95.17	0.5073	56.33	3975	67.5331%	Fecal		CFU/100 mL	200	-	275,644.3
5439500	10/6/2002	74.9	95.07	0.5073	56.28	3990	67.7880%	Fecal		CFU/100 mL	200	-	275,396.0
5439500	7/22/2003	74.9	95.07	0.5073	56.28	3990	67.7880%	Fecal		CFU/100 mL	200	-	275,396.0
5439500	6/26/2012	74.9	95.07	0.5073	56.28	3990	67.7880%	Fecal		CFU/100 mL	200	-	275,396.0
5439500	9/21/2014	74.8	94.97	0.5073	56.22	3993	67.8389%	Fecal		CFU/100 mL	200	-	275,147.8
5439500	8/27/2016	74.7	94.87	0.5073	56.17	3994	67.8559%	Fecal		CFU/100 mL	200	-	274,899.5
5439500	9/20/2014	74.4	94.57	0.5073	56.02	3995	67.8729%	Fecal		CFU/100 mL	200	-	274,154.7
5439500	10/28/2015	74.3	94.47	0.5073	55.97	3996	67.8899%	Fecal		CFU/100 mL	200	-	273,906.5
5439500	8/10/2020	74.3	94.47	0.5073	55.97	3996	67.8899%	Fecal		CFU/100 mL	200	-	273,906.5
5439500	8/1/2021	74.1	94.27	0.5073	55.87	3998	67.9239%	Fecal		CFU/100 mL	200	-	273,410.0
5439500	10/4/1990	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	6/1/1994	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	9/28/1994	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	10/25/1995	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	9/18/1996	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	7/26/1998	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	7/18/2001	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	9/26/2015	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	10/3/2016	74	94.17	0.5073	55.82	3999	67.9409%	Fecal		CFU/100 mL	200	-	273,161.7
5439500	10/11/2014	73.9	94.07	0.5073	55.77	4008	68.0938%	Fecal		CFU/100 mL	200	-	272,913.5
5439500	9/14/2009	73.7	93.87	0.5073	55.67	4009	68.1108%	Fecal		CFU/100 mL	200	-	272,416.9
5439500	8/31/2017	73.7	93.87	0.5073	55.67	4009	68.1108%	Fecal		CFU/100 mL	200	-	272,416.9
5439500	9/7/2008	73.5	93.67	0.5073	55.57	4011	68.1448%	Fecal		CFU/100 mL	200	-	271,920.4
5439500	9/4/2002	73.3	93.47	0.5073	55.46	4012	68.1617%	Fecal		CFU/100 mL	200	-	271,423.9
5439500	7/18/2011	73.3	93.47	0.5073	55.46	4012	68.1617%	Fecal		CFU/100 mL	200	-	271,423.9
5439500	7/17/2016	73.2	93.37	0.5073	55.41	4014	68.1957%	Fecal		CFU/100 mL	200	-	271,175.7
5439500	8/31/2018	73.2	93.37	0.5073	55.41	4014	68.1957%	Fecal		CFU/100 mL	200	-	271,175.7
5439500	8/8/2020	73.2	93.37	0.5073	55.41	4014	68.1957%	Fecal		CFU/100 mL	200	-	271,175.7
5439500	10/26/2015	73.1	93.27	0.5073	55.36	4017	68.2467%	Fecal		CFU/100 mL	200	-	270,927.4
5439500	9/1/2019	73.1	93.27	0.5073	55.36	4017	68.2467%	Fecal		CFU/100 mL	200	-	270,927.4
5439500	9/20/1992	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	6/2/1994	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	7/18/1994	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	8/1/1995	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	8/15/1995	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	7/15/1997	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	7/18/1997	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	10/5/1998	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	8/16/2000	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	9/29/2001	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	9/6/2011	73	93.17	0.5073	55.31	4019	68.2807%	Fecal		CFU/100 mL	200	-	270,679.2
5439500	8/24/2019	72.9	93.07	0.5073	55.26	4030	68.4676%	Fecal		CFU/100 mL	200	-	270,430.9
5439500	6/17/2003	72.8	92.97	0.5073	55.21	4031	68.4845%	Fecal		CFU/100 mL	200	-	270,182.6
5439500	10/11/2007	72.8	92.97	0.5073	55.21	4031	68.4845%	Fecal		CFU/100 mL	200	-	270,182.6
5439500	6/27/2012	72.7	92.87	0.5073	55.16	4033	68.5185%	Fecal		CFU/100 mL	200	-	269,934.4
5439500	10/12/2014	72.7	92.87	0.5073	55.16	4033	68.5185%	Fecal		CFU/100 mL	200	-	269,934.4
5439500	10/18/2016	72.7	92.87	0.5073	55.16	4033	68.5185%	Fecal		CFU/100 mL	200	-	269,934.4
5439500	9/18/2020	72.7	92.87	0.5073	55.16	4033	68.5185%	Fecal		CFU/100 mL	200	-	269,934.4
5439500	7/31/2013	72.6	92.77	0.5073	55.11	4037	68.5865%	Fecal		CFU/100 mL	200	-	269,686.1
5439500	7/18/2016	72.4	92.57	0.5073	55.01	4038	68.6035%	Fecal		CFU/100 mL	200	-	269,189.6
5439500	8/11/2019	72.3	92.47	0.5073	54.96	4039	68.6205%	Fecal		CFU/100 mL	200	-	268,941.4
5439500	9/10/1993	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	7/31/1995	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	10/26/1995	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	10/9/1998	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	7/19/2001	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	7/29/2013	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	8/29/2015	72	92.17	0.5073	54.80	4040	68.6374%	Fecal		CFU/100 mL	200	-	268,196.6
5439500	8/13/2020	71.9	92.07	0.5073	54.75	4047	68.7564%	Fecal		CFU/100 mL	200	-	267,948.3
5439500	10/6/2016	71.8	91.97	0.5073	54.70	4048	68.7734%	Fecal		CFU/100 mL	200	-	267,700.1
5439500	8/9/2020	71.7	91.87	0.5073	54.65	4049	68.7903%	Fecal		CFU/100 mL	200	-	267,451.8
5439500	8/31/2002	71.5	91.67	0.5073	54.55	4050	68.8073%	Fecal		CFU/100 mL	200	-	266,955.3
5439500	8/6/2003	71.4	91.57	0.5073	54.50	4051	68.8243%	Fecal	402	CFU/100 mL	200	536,081	266,707.1
5439500	7/30/2004	71.3	91.47	0.5073	54.45	4052	68.8413%	Fecal		CFU/100 mL	200	-	266,458.8
5439500	8/14/2015	71.3	91.47	0.5073	54.45	4052	68.8413%	Fecal		CFU/100 mL	200	-	266,458.8
5439500	9/23/2014	71.2	91.37	0.5073	54.40	4054	68.8753%	Fecal		CFU/100 mL	200	-	266,210.5
5439500	10/3/2014	71.2	91.37	0.5073	54.40	4054	68.8753%	Fecal		CFU/100 mL	200	-	266,210.5
5439500	10/5/1990	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	9/30/1992	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	6/3/1994	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	6/18/1994	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	9/19/1996	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	9/21/1996	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	7/20/2001	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	10/7/2006	71	91.17	0.5073	54.30	4056	68.9093%	Fecal		CFU/100 mL	200	-	265,714.0
5439500	7/19/2002	70.9	91.07	0.5073	54.25	4064	69.0452%	Fecal		CFU/100 mL	200	-	265,465.8
5439500	7/22/2006	70.9	91.07	0.5073	54.25	4064	69.0452%	Fecal		CFU/100 mL	200	-	265,465.8
5439500	8/1/2013	70.9	91.07	0.5073	54.25	4064	69.0452%	Fecal		CFU/100 mL	200	-	265,465.8
5439500	6/22/2003	70.8	90.97	0.5073	54.20	4067	69.0962%	Fecal		CFU/100 mL	200	-	265,217.5
5439500	9/15/2009	70.8	90.97	0.5073	54.20	4067	69.0962%	Fecal		CFU/100 mL	200	-	265,217.5

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	8/6/2013	70.8	90.97	0.5073	54.20	4067	69.0962%	Fecal		CFU/100 mL	200	-	265,217.5
5439500	6/27/2003	70.6	90.77	0.5073	54.09	4070	69.1471%	Fecal		CFU/100 mL	200	-	264,721.0
5439500	8/15/2008	70.5	90.67	0.5073	54.04	4071	69.1641%	Fecal		CFU/100 mL	200	-	264,472.8
5439500	8/19/2009	70.5	90.67	0.5073	54.04	4071	69.1641%	Fecal		CFU/100 mL	200	-	264,472.8
5439500	6/17/2005	70.4	90.57	0.5073	53.99	4073	69.1981%	Fecal		CFU/100 mL	200	-	264,224.5
5439500	7/30/2013	70.4	90.57	0.5073	53.99	4073	69.1981%	Fecal		CFU/100 mL	200	-	264,224.5
5439500	7/19/2011	70.3	90.47	0.5073	53.94	4075	69.2321%	Fecal		CFU/100 mL	200	-	263,976.2
5439500	9/8/2014	70.3	90.47	0.5073	53.94	4075	69.2321%	Fecal		CFU/100 mL	200	-	263,976.2
5439500	10/19/2016	70.1	90.27	0.5073	53.84	4077	69.2661%	Fecal		CFU/100 mL	200	-	263,479.7
5439500	6/21/1992	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	6/4/1994	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	7/24/1994	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	8/28/1994	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	10/10/1995	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	10/2/1996	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	9/11/2000	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	7/23/2001	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	7/24/2001	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	7/25/2001	70	90.17	0.5073	53.79	4078	69.2830%	Fecal		CFU/100 mL	200	-	263,231.5
5439500	7/13/2003	69.8	89.97	0.5073	53.69	4088	69.4529%	Fecal		CFU/100 mL	200	-	262,735.0
5439500	8/18/2018	69.8	89.97	0.5073	53.69	4088	69.4529%	Fecal		CFU/100 mL	200	-	262,735.0
5439500	10/10/2016	69.5	89.67	0.5073	53.54	4090	69.4869%	Fecal		CFU/100 mL	200	-	261,990.2
5439500	9/1/2017	69.5	89.67	0.5073	53.54	4090	69.4869%	Fecal		CFU/100 mL	200	-	261,990.2
5439500	9/27/2015	69.4	89.57	0.5073	53.49	4092	69.5209%	Fecal		CFU/100 mL	200	-	261,741.9
5439500	6/18/2003	69.3	89.47	0.5073	53.43	4093	69.5379%	Fecal		CFU/100 mL	200	-	261,493.7
5439500	9/20/2009	69.3	89.47	0.5073	53.43	4093	69.5379%	Fecal		CFU/100 mL	200	-	261,493.7
5439500	8/14/2020	69.3	89.47	0.5073	53.43	4093	69.5379%	Fecal		CFU/100 mL	200	-	261,493.7
5439500	8/13/2009	69.2	89.37	0.5073	53.38	4096	69.5889%	Fecal		CFU/100 mL	200	-	261,245.4
5439500	7/20/2002	69.1	89.27	0.5073	53.33	4097	69.6058%	Fecal		CFU/100 mL	200	-	260,997.2
5439500	8/10/1990	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	8/16/1990	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	7/7/1991	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	7/9/1991	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	6/5/1994	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	6/6/1994	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	8/26/1995	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	9/20/1996	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	9/22/1996	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	10/16/1996	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	10/27/1996	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	7/16/1997	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	7/27/1998	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	7/30/1999	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	8/30/1999	69	89.17	0.5073	53.28	4098	69.6228%	Fecal		CFU/100 mL	200	-	260,748.9
5439500	8/31/2019	68.9	89.07	0.5073	53.23	4113	69.8777%	Fecal		CFU/100 mL	200	-	260,500.7
5439500	7/20/2012	68.8	88.97	0.5073	53.18	4114	69.8947%	Fecal		CFU/100 mL	200	-	260,252.4
5439500	7/9/2006	68.7	88.87	0.5073	53.13	4115	69.9117%	Fecal		CFU/100 mL	200	-	260,004.1
5439500	8/2/2021	68.7	88.87	0.5073	53.13	4115	69.9117%	Fecal		CFU/100 mL	200	-	260,004.1
5439500	7/31/2004	68.6	88.77	0.5073	53.08	4117	69.9456%	Fecal		CFU/100 mL	200	-	259,755.9
5439500	8/14/2009	68.6	88.77	0.5073	53.08	4117	69.9456%	Fecal		CFU/100 mL	200	-	259,755.9
5439500	10/5/2016	68.6	88.77	0.5073	53.08	4117	69.9456%	Fecal		CFU/100 mL	200	-	259,755.9
5439500	9/7/2011	68.5	88.67	0.5073	53.03	4120	69.9966%	Fecal		CFU/100 mL	200	-	259,507.6
5439500	9/2/2014	68.3	88.47	0.5073	52.93	4121	70.0136%	Fecal		CFU/100 mL	200	-	259,011.1
5439500	10/13/2016	68.3	88.47	0.5073	52.93	4121	70.0136%	Fecal		CFU/100 mL	200	-	259,011.1
5439500	6/9/2006	68.2	88.37	0.5073	52.88	4123	70.0476%	Fecal		CFU/100 mL	200	-	258,762.9
5439500	6/28/2012	68.2	88.37	0.5073	52.88	4123	70.0476%	Fecal		CFU/100 mL	200	-	258,762.9
5439500	10/4/2016	68.2	88.37	0.5073	52.88	4123	70.0476%	Fecal		CFU/100 mL	200	-	258,762.9
5439500	9/8/2011	68.1	88.27	0.5073	52.83	4126	70.0985%	Fecal		CFU/100 mL	200	-	258,514.6
5439500	7/29/1992	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	8/6/1992	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	9/12/1993	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	8/12/1997	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	9/21/1997	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	8/21/2000	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	7/21/2001	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	8/7/2004	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	9/24/2009	68	88.17	0.5073	52.78	4127	70.1155%	Fecal		CFU/100 mL	200	-	258,266.4
5439500	8/30/2004	67.9	88.07	0.5073	52.72	4136	70.2684%	Fecal		CFU/100 mL	200	-	258,018.1
5439500	10/20/2016	67.9	88.07	0.5073	52.72	4136	70.2684%	Fecal		CFU/100 mL	200	-	258,018.1
5439500	9/16/2009	67.8	87.97	0.5073	52.67	4138	70.3024%	Fecal		CFU/100 mL	200	-	257,769.8
5439500	8/24/2013	67.8	87.97	0.5073	52.67	4138	70.3024%	Fecal		CFU/100 mL	200	-	257,769.8
5439500	8/15/2014	67.8	87.97	0.5073	52.67	4138	70.3024%	Fecal		CFU/100 mL	200	-	257,769.8
5439500	7/12/2006	67.7	87.87	0.5073	52.62	4141	70.3534%	Fecal		CFU/100 mL	200	-	257,521.6
5439500	8/7/2002	67.5	87.67	0.5073	52.52	4142	70.3704%	Fecal		CFU/100 mL	200	-	257,025.1
5439500	8/15/2020	67.5	87.67	0.5073	52.52	4142	70.3704%	Fecal		CFU/100 mL	200	-	257,025.1
5439500	10/21/2016	67.4	87.57	0.5073	52.47	4144	70.4043%	Fecal		CFU/100 mL	200	-	256,776.8
5439500	9/14/1990	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	6/24/1992	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	9/25/1992	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	8/2/1995	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	7/28/1998	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	7/22/2001	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	7/26/2001	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	7/21/2016	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	8/25/2019	67	87.17	0.5073	52.27	4145	70.4213%	Fecal		CFU/100 mL	200	-	255,783.8
5439500	9/20/2011	66.9	87.07	0.5073	52.22	4154	70.5742%	Fecal		CFU/100 mL	200	-	255,535.5
5439500	8/24/2009	66.8	86.97	0.5073	52.17	4155	70.5912%	Fecal		CFU/100 mL	200	-	255,287.3
5439500	9/19/2009	66.8	86.97	0.5073	52.17	4155	70.5912%	Fecal		CFU/100 mL	200	-	255,287.3
5439500	9/18/2009	66.7	86.87	0.5073	52.12	4157	70.6252%	Fecal		CFU/100 mL	200	-	255,039.0
5439500	10/27/2015	66.7	86.87	0.5073	52.12	4157	70.6252%	Fecal		CFU/100 mL	200	-	255,039.0
5439500	9/11/2011	66.6	86.77	0.5073	52.07	4159	70.6592%	Fecal		CFU/100 mL	200	-	254,790.8
5439500	10/5/2001	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	7/21/2002	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	7/18/2006	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	7/7/2007	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	9/17/2009	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	8/22/2015	66.5	86.67	0.5073	52.01	4160	70.6762%	Fecal		CFU/100 mL	200	-	254,542.5
5439500	10/29/2008	281	301.17	0.1459	52.00	4166	70.7781%	Fecal		CFU/100 mL	200	-	254,456.7
5439500	8/17/2018	66.3	86.47	0.5073	51.91	4167	70.7951%	Fecal		CFU/100 mL	200	-	254,046.0
5439500	10/24/2015	66.2	86.37	0.5073	51.86	4168	70.8121%	Fecal		CFU/100 mL	200	-	253,797.7
5439500	6/18/2005	66.1	86.27	0.5073	51.81	4169	70.8291%	Fecal		CFU/100 mL	200	-	253,549.5
5439500	9/11/1993	66	86.17	0.5073	51.76	4170	70.8461%	Fecal		CFU/100 mL	200	-	253,301.2
5439500	6/7/1994	66	86.17	0.5073	51.76	4170	70.8461%	Fecal		CFU/100 mL	200	-	253,301.2
5439500	8/13/1997	66	86.17	0.5073	51.76	4170	70.8461%	Fecal		CFU/100 mL	200	-	253,301.2
5439500	8/7/2013	66	86.17	0.5073	51.76	4170	70.8461%	Fecal		CFU/100 mL	200	-	253,301.2
5439500	10/12/2001	65.9	86.07	0.5073	51.71	4174	70.9140%	Fecal		CFU/100 mL	200	-	253,053.0
5439500	8/19/2002	65.9	86.07	0.5073	51.71	4174	70.9140%	Fecal		CFU/100 mL	200	-	253,053.0
5439500	9/21/2002	65.9	86.07	0.5073	51.71	4174	70.9140%	Fecal		CFU/100 mL	200	-	253,053.0
5439500	9/10/2011	65.9	86.07	0.5073	51.71	4174	70.9140%	Fecal		CFU/100 mL	200	-	253,053.0
5439500	8/1/2004	65.8	85.97	0.5073	51.66	4178	70.9820%	Fecal		CFU/100 mL	200	-	252,804.7
5439500	7/20/2011	65.8	85.97	0.5073	51.66	4178	70.9820%	Fecal		CFU/100 mL	200	-	252,804.7
5439500	9/3/2017	65.7	85.87	0.5073	51.61	4180	71.0160%	Fecal		CFU/100 mL	200	-	252,556.5
5439500	7/20/2003	65.5	85.67	0.5073	51.51	4181	71.0330%	Fecal		CFU/100 mL	200	-	252,060.0

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/28/2015	65.4	85.57	0.5073	51.46	4182	71.0499%	Fecal		CFU/100 mL	200	-	251,811.7
5439500	10/16/2016	65.3	85.47	0.5073	51.41	4183	71.0669%	Fecal		CFU/100 mL	200	-	251,563.4
5439500	9/2/2017	65.3	85.47	0.5073	51.41	4183	71.0669%	Fecal		CFU/100 mL	200	-	251,563.4
5439500	9/15/1990	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/9/1991	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/20/1991	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/29/1991	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	6/22/1992	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/12/1994	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/20/1996	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	10/22/1996	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	7/23/1997	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	7/31/1999	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	8/22/2000	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	9/2/2015	65	85.17	0.5073	51.25	4185	71.1009%	Fecal		CFU/100 mL	200	-	250,818.7
5439500	7/13/2006	64.9	85.07	0.5073	51.20	4197	71.3048%	Fecal		CFU/100 mL	200	-	250,570.4
5439500	8/15/2009	64.9	85.07	0.5073	51.20	4197	71.3048%	Fecal		CFU/100 mL	200	-	250,570.4
5439500	9/19/2020	64.9	85.07	0.5073	51.20	4197	71.3048%	Fecal		CFU/100 mL	200	-	250,570.4
5439500	10/12/2016	64.8	84.97	0.5073	51.15	4200	71.3558%	Fecal		CFU/100 mL	200	-	250,322.2
5439500	9/9/2011	64.7	84.87	0.5073	51.10	4201	71.3727%	Fecal		CFU/100 mL	200	-	250,073.9
5439500	9/11/2016	64.7	84.87	0.5073	51.10	4201	71.3727%	Fecal		CFU/100 mL	200	-	250,073.9
5439500	10/14/2016	64.7	84.87	0.5073	51.10	4201	71.3727%	Fecal		CFU/100 mL	200	-	250,073.9
5439500	9/10/2016	64.6	84.77	0.5073	51.05	4204	71.4237%	Fecal		CFU/100 mL	200	-	249,825.7
5439500	8/3/2021	64.5	84.67	0.5073	51.00	4205	71.4407%	Fecal		CFU/100 mL	200	-	249,577.4
5439500	6/23/2003	64.4	84.57	0.5073	50.95	4206	71.4577%	Fecal		CFU/100 mL	200	-	249,329.1
5439500	8/24/2016	64.4	84.57	0.5073	50.95	4206	71.4577%	Fecal		CFU/100 mL	200	-	249,329.1
5439500	10/25/2016	64.4	84.57	0.5073	50.95	4206	71.4577%	Fecal		CFU/100 mL	200	-	249,329.1
5439500	9/24/2014	64.2	84.37	0.5073	50.85	4209	71.5087%	Fecal		CFU/100 mL	200	-	248,832.6
5439500	8/11/1990	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	8/8/1992	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	9/26/1992	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	6/14/1994	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	8/7/1995	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	8/27/1995	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	9/23/1996	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	9/24/1996	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	10/15/1996	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	8/10/1998	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	10/4/1998	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	9/30/2001	64	84.17	0.5073	50.75	4210	71.5257%	Fecal		CFU/100 mL	200	-	248,336.1
5439500	9/6/2020	63.9	84.07	0.5073	50.70	4222	71.7295%	Fecal		CFU/100 mL	200	-	248,087.9
5439500	10/7/2001	63.8	83.97	0.5073	50.64	4223	71.7465%	Fecal		CFU/100 mL	200	-	247,839.6
5439500	9/25/2009	63.8	83.97	0.5073	50.64	4223	71.7465%	Fecal		CFU/100 mL	200	-	247,839.6
5439500	10/23/2015	63.8	83.97	0.5073	50.64	4223	71.7465%	Fecal		CFU/100 mL	200	-	247,839.6
5439500	7/19/2016	63.8	83.97	0.5073	50.64	4223	71.7465%	Fecal		CFU/100 mL	200	-	247,839.6
5439500	10/11/2016	63.8	83.97	0.5073	50.64	4223	71.7465%	Fecal		CFU/100 mL	200	-	247,839.6
5439500	8/16/2008	63.6	83.77	0.5073	50.54	4228	71.8315%	Fecal		CFU/100 mL	200	-	247,343.1
5439500	10/15/2021	63.6	83.77	0.5073	50.54	4228	71.8315%	Fecal		CFU/100 mL	200	-	247,343.1
5439500	9/12/2011	63.5	83.67	0.5073	50.49	4230	71.8654%	Fecal		CFU/100 mL	200	-	247,094.8
5439500	10/22/2015	63.5	83.67	0.5073	50.49	4230	71.8654%	Fecal		CFU/100 mL	200	-	247,094.8
5439500	9/4/2014	63.4	83.57	0.5073	50.44	4232	71.8994%	Fecal		CFU/100 mL	200	-	246,846.6
5439500	8/3/2004	63.3	83.47	0.5073	50.39	4233	71.9164%	Fecal		CFU/100 mL	200	-	246,598.3
5439500	8/2/2013	63.3	83.47	0.5073	50.39	4233	71.9164%	Fecal		CFU/100 mL	200	-	246,598.3
5439500	7/28/2002	63.1	83.27	0.5073	50.29	4235	71.9504%	Fecal		CFU/100 mL	200	-	246,101.8
5439500	10/12/2006	63.1	83.27	0.5073	50.29	4235	71.9504%	Fecal		CFU/100 mL	200	-	246,101.8
5439500	9/29/2015	63.1	83.27	0.5073	50.29	4235	71.9504%	Fecal		CFU/100 mL	200	-	246,101.8
5439500	9/24/1990	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	10/8/1990	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	10/3/1996	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	10/11/1996	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	10/21/1996	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	8/23/2000	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	7/27/2001	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	8/2/2001	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	10/13/2021	63	83.17	0.5073	50.24	4238	72.0014%	Fecal		CFU/100 mL	200	-	245,853.6
5439500	8/8/2013	62.8	82.97	0.5073	50.14	4247	72.1543%	Fecal		CFU/100 mL	200	-	245,357.0
5439500	10/11/2001	62.6	82.77	0.5073	50.04	4248	72.1713%	Fecal		CFU/100 mL	200	-	244,860.5
5439500	9/26/2009	62.6	82.77	0.5073	50.04	4248	72.1713%	Fecal		CFU/100 mL	200	-	244,860.5
5439500	10/15/2016	62.6	82.77	0.5073	50.04	4248	72.1713%	Fecal		CFU/100 mL	200	-	244,860.5
5439500	8/16/2020	62.6	82.77	0.5073	50.04	4248	72.1713%	Fecal		CFU/100 mL	200	-	244,860.5
5439500	9/1/2002	62.5	82.67	0.5073	49.99	4252	72.2392%	Fecal		CFU/100 mL	200	-	244,612.3
5439500	10/22/2016	62.5	82.67	0.5073	49.99	4252	72.2392%	Fecal		CFU/100 mL	200	-	244,612.3
5439500	9/3/2014	62.4	82.57	0.5073	49.93	4254	72.2732%	Fecal		CFU/100 mL	200	-	244,364.0
5439500	8/10/2018	62.4	82.57	0.5073	49.93	4254	72.2732%	Fecal		CFU/100 mL	200	-	244,364.0
5439500	9/21/2011	62.2	82.37	0.5073	49.83	4256	72.3072%	Fecal		CFU/100 mL	200	-	243,867.5
5439500	10/23/2016	62.2	82.37	0.5073	49.83	4256	72.3072%	Fecal		CFU/100 mL	200	-	243,867.5
5439500	9/19/2011	62.1	82.27	0.5073	49.78	4258	72.3411%	Fecal		CFU/100 mL	200	-	243,619.3
5439500	8/4/2021	62.1	82.27	0.5073	49.78	4258	72.3411%	Fecal		CFU/100 mL	200	-	243,619.3
5439500	8/17/1990	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	6/8/1994	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	6/13/1994	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	10/4/1996	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	10/12/1996	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	10/13/1996	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	10/28/1996	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	7/17/1997	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	8/11/1998	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	8/4/2001	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	8/16/2014	62	82.17	0.5073	49.73	4260	72.3751%	Fecal		CFU/100 mL	200	-	243,371.0
5439500	7/23/2003	61.8	81.97	0.5073	49.63	4271	72.5620%	Fecal		CFU/100 mL	200	-	242,874.5
5439500	7/10/2006	61.8	81.97	0.5073	49.63	4271	72.5620%	Fecal		CFU/100 mL	200	-	242,874.5
5439500	9/4/2017	61.8	81.97	0.5073	49.63	4271	72.5620%	Fecal		CFU/100 mL	200	-	242,874.5
5439500	8/5/2021	61.8	81.97	0.5073	49.63	4271	72.5620%	Fecal		CFU/100 mL	200	-	242,874.5
5439500	7/14/2003	61.7	81.87	0.5073	49.58	4275	72.6300%	Fecal		CFU/100 mL	200	-	242,626.2
5439500	7/30/2018	61.7	81.87	0.5073	49.58	4275	72.6300%	Fecal		CFU/100 mL	200	-	242,626.2
5439500	10/14/2021	61.6	81.77	0.5073	49.53	4277	72.6639%	Fecal		CFU/100 mL	200	-	242,378.0
5439500	10/30/1998	264	284.17	0.1459	49.52	4278	72.6809%	Fecal		CFU/100 mL	200	-	242,316.1
5439500	6/24/2003	61.5	81.67	0.5073	49.48	4279	72.6979%	Fecal	373	CFU/100 mL	200	451,572	242,129.7
5439500	8/23/2015	61.5	81.67	0.5073	49.48	4279	72.6979%	Fecal		CFU/100 mL	200	-	242,129.7
5439500	9/5/2002	61.4	81.57	0.5073	49.43	4281	72.7319%	Fecal		CFU/100 mL	200	-	241,881.5
5439500	10/24/2016	61.4	81.57	0.5073	49.43	4281	72.7319%	Fecal		CFU/100 mL	200	-	241,881.5
5439500	6/19/2005	61.3	81.47	0.5073	49.38	4283	72.7659%	Fecal		CFU/100 mL	200	-	241,633.2
5439500	7/8/2003	61.2	81.37	0.5073	49.33	4284	72.7829%	Fecal		CFU/100 mL	200	-	241,384.9
5439500	9/9/2014	61.2	81.37	0.5073	49.33	4284	72.7829%	Fecal		CFU/100 mL	200	-	241,384.9
5439500	10/27/1991	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	10/1/1992	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	7/25/1994	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	8/29/1994	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	9/29/1994	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	8/28/1995	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	10/14/1996	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	7/29/1998	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	10/10/1998	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	7/27/2002	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	9/30/2015	61	81.17	0.5073	49.22	4286	72.8169%	Fecal		CFU/100 mL	200	-	240,888.4
5439500	8/16/2009	60.9	81.07	0.5073	49.17	4297	73.0037%	Fecal		CFU/100 mL	200	-	240,640.2
5439500	7/21/2011	60.9	81.07	0.5073	49.17	4297	73.0037%	Fecal		CFU/100 mL	200	-	240,640.2
5439500	8/8/2016	60.9	81.07	0.5073	49.17	4297	73.0037%	Fecal		CFU/100 mL	200	-	240,640.2
5439500	8/17/2020	60.9	81.07	0.5073	49.17	4297	73.0037%	Fecal		CFU/100 mL	200	-	240,640.2
5439500	8/2/2004	60.8	80.97	0.5073	49.12	4301	73.0717%	Fecal		CFU/100 mL	200	-	240,391.9
5439500	6/26/2003	60.6	80.77	0.5073	49.02	4302	73.0887%	Fecal		CFU/100 mL	200	-	239,895.4
5439500	9/13/2011	60.5	80.67	0.5073	48.97	4303	73.1057%	Fecal		CFU/100 mL	200	-	239,647.2
5439500	9/1/2018	60.5	80.67	0.5073	48.97	4303	73.1057%	Fecal		CFU/100 mL	200	-	239,647.2
5439500	7/11/2006	60.4	80.57	0.5073	48.92	4305	73.1397%	Fecal		CFU/100 mL	200	-	239,398.9
5439500	7/26/2002	60.2	80.37	0.5073	48.82	4306	73.1566%	Fecal		CFU/100 mL	200	-	238,902.4
5439500	9/27/2009	60.2	80.37	0.5073	48.82	4306	73.1566%	Fecal		CFU/100 mL	200	-	238,902.4
5439500	9/25/2014	60.2	80.37	0.5073	48.82	4306	73.1566%	Fecal		CFU/100 mL	200	-	238,902.4
5439500	8/25/2009	60.1	80.27	0.5073	48.77	4309	73.2076%	Fecal		CFU/100 mL	200	-	238,654.1
5439500	10/21/2015	60.1	80.27	0.5073	48.77	4309	73.2076%	Fecal		CFU/100 mL	200	-	238,654.1
5439500	9/5/2017	60.1	80.27	0.5073	48.77	4309	73.2076%	Fecal		CFU/100 mL	200	-	238,654.1
5439500	9/16/1990	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	7/13/1992	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/31/1994	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/8/1995	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/29/1995	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	9/25/1996	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	10/5/1996	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/20/1997	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	7/30/1998	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/24/2000	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/21/2002	60	80.17	0.5073	48.72	4312	73.2586%	Fecal		CFU/100 mL	200	-	238,405.9
5439500	8/21/2020	59.9	80.07	0.5073	48.67	4323	73.4455%	Fecal		CFU/100 mL	200	-	238,157.6
5439500	8/6/2021	59.9	80.07	0.5073	48.67	4323	73.4455%	Fecal		CFU/100 mL	200	-	238,157.6
5439500	8/20/2002	59.8	79.97	0.5073	48.62	4325	73.4794%	Fecal		CFU/100 mL	200	-	237,909.4
5439500	10/2/2015	59.8	79.97	0.5073	48.62	4325	73.4794%	Fecal		CFU/100 mL	200	-	237,909.4
5439500	8/17/2014	59.7	79.87	0.5073	48.56	4327	73.5134%	Fecal		CFU/100 mL	200	-	237,661.1
5439500	8/22/2020	59.6	79.77	0.5073	48.51	4328	73.5304%	Fecal		CFU/100 mL	200	-	237,412.9
5439500	9/20/2020	59.6	79.77	0.5073	48.51	4328	73.5304%	Fecal		CFU/100 mL	200	-	237,412.9
5439500	8/18/2020	59.5	79.67	0.5073	48.46	4330	73.5644%	Fecal		CFU/100 mL	200	-	237,164.6
5439500	10/1/2001	59.2	79.37	0.5073	48.31	4331	73.5814%	Fecal		CFU/100 mL	200	-	236,419.8
5439500	8/17/2008	59.2	79.37	0.5073	48.31	4331	73.5814%	Fecal		CFU/100 mL	200	-	236,419.8
5439500	10/1/2015	59.2	79.37	0.5073	48.31	4331	73.5814%	Fecal		CFU/100 mL	200	-	236,419.8
5439500	7/20/2016	59.1	79.27	0.5073	48.26	4334	73.6323%	Fecal		CFU/100 mL	200	-	236,171.6
5439500	9/1/1994	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	10/13/1994	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	9/23/1995	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	10/10/1996	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	8/1/1999	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	8/31/1999	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	7/28/2001	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	7/29/2001	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	9/7/2001	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	9/9/2001	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	9/11/2001	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	10/1/2009	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	8/3/2013	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	9/3/2013	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	8/23/2020	59	79.17	0.5073	48.21	4335	73.6493%	Fecal		CFU/100 mL	200	-	235,923.3
5439500	10/15/2012	58.9	79.07	0.5073	48.16	4350	73.9042%	Fecal		CFU/100 mL	200	-	235,675.1
5439500	6/30/2012	58.8	78.97	0.5073	48.11	4351	73.9212%	Fecal		CFU/100 mL	200	-	235,426.8
5439500	8/20/2020	58.7	78.87	0.5073	48.06	4352	73.9382%	Fecal		CFU/100 mL	200	-	235,178.5
5439500	10/4/2002	58.6	78.77	0.5073	48.01	4353	73.9551%	Fecal		CFU/100 mL	200	-	234,930.3
5439500	9/22/2011	58.6	78.77	0.5073	48.01	4353	73.9551%	Fecal		CFU/100 mL	200	-	234,930.3
5439500	8/13/2021	58.6	78.77	0.5073	48.01	4353	73.9551%	Fecal		CFU/100 mL	200	-	234,930.3
5439500	8/9/2013	58.5	78.67	0.5073	47.96	4356	74.0061%	Fecal		CFU/100 mL	200	-	234,682.0
5439500	8/19/2020	58.5	78.67	0.5073	47.96	4356	74.0061%	Fecal		CFU/100 mL	200	-	234,682.0
5439500	7/1/2012	58.4	78.57	0.5073	47.91	4358	74.0401%	Fecal		CFU/100 mL	200	-	234,433.8
5439500	9/26/2014	58.4	78.57	0.5073	47.91	4358	74.0401%	Fecal		CFU/100 mL	200	-	234,433.8
5439500	10/8/2006	58.3	78.47	0.5073	47.85	4360	74.0741%	Fecal		CFU/100 mL	200	-	234,185.5
5439500	8/13/2002	58.2	78.37	0.5073	47.80	4361	74.0911%	Fecal	750	CFU/100 mL	200	877,265	233,937.3
5439500	8/7/2018	58.2	78.37	0.5073	47.80	4361	74.0911%	Fecal		CFU/100 mL	200	-	233,937.3
5439500	9/27/2014	58.1	78.27	0.5073	47.75	4363	74.1250%	Fecal		CFU/100 mL	200	-	233,689.0
5439500	9/6/2017	58.1	78.27	0.5073	47.75	4363	74.1250%	Fecal		CFU/100 mL	200	-	233,689.0
5439500	7/24/1991	58	78.17	0.5073	47.70	4365	74.1590%	Fecal		CFU/100 mL	200	-	233,440.8
5439500	6/26/1992	58	78.17	0.5073	47.70	4365	74.1590%	Fecal		CFU/100 mL	200	-	233,440.8
5439500	8/7/1992	58	78.17	0.5073	47.70	4365	74.1590%	Fecal		CFU/100 mL	200	-	233,440.8
5439500	10/8/1996	58	78.17	0.5073	47.70	4365	74.1590%	Fecal		CFU/100 mL	200	-	233,440.8
5439500	8/31/1998	58	78.17	0.5073	47.70	4365	74.1590%	Fecal		CFU/100 mL	200	-	233,440.8
5439500	9/14/2011	57.9	78.07	0.5073	47.65	4370	74.2440%	Fecal		CFU/100 mL	200	-	233,192.5
5439500	6/28/2003	57.8	77.97	0.5073	47.60	4371	74.2610%	Fecal		CFU/100 mL	200	-	232,944.2
5439500	9/17/2011	57.8	77.97	0.5073	47.60	4371	74.2610%	Fecal		CFU/100 mL	200	-	232,944.2
5439500	7/22/2002	57.6	77.77	0.5073	47.50	4373	74.2949%	Fecal		CFU/100 mL	200	-	232,447.7
5439500	7/29/2002	57.5	77.67	0.5073	47.45	4374	74.3119%	Fecal		CFU/100 mL	200	-	232,199.5
5439500	8/7/2003	57.5	77.67	0.5073	47.45	4374	74.3119%	Fecal		CFU/100 mL	200	-	232,199.5
5439500	8/26/2004	57.5	77.67	0.5073	47.45	4374	74.3119%	Fecal		CFU/100 mL	200	-	232,199.5
5439500	10/13/2006	57.5	77.67	0.5073	47.45	4374	74.3119%	Fecal		CFU/100 mL	200	-	232,199.5
5439500	8/24/2020	57.5	77.67	0.5073	47.45	4374	74.3119%	Fecal		CFU/100 mL	200	-	232,199.5
5439500	6/20/2005	57.3	77.47	0.5073	47.35	4379	74.3969%	Fecal		CFU/100 mL	200	-	231,703.0
5439500	9/18/2011	57.3	77.47	0.5073	47.35	4379	74.3969%	Fecal		CFU/100 mL	200	-	231,703.0
5439500	8/7/2021	57.3	77.47	0.5073	47.35	4379	74.3969%	Fecal		CFU/100 mL	200	-	231,703.0
5439500	8/5/2006	57.2	77.37	0.5073	47.30	4382	74.4478%	Fecal		CFU/100 mL	200	-	231,454.7
5439500	9/23/2011	57.2	77.37	0.5073	47.30	4382	74.4478%	Fecal		CFU/100 mL	200	-	231,454.7
5439500	8/18/2014	57.2	77.37	0.5073	47.30	4382	74.4478%	Fecal		CFU/100 mL	200	-	231,454.7
5439500	10/7/2015	57.1	77.27	0.5073	47.25	4385	74.4988%	Fecal		CFU/100 mL	200	-	231,206.5
5439500	9/17/1990	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/18/1990	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	8/10/1991	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/15/1991	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/28/1991	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	7/2/1992	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	8/9/1992	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/2/1992	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/3/1992	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	6/9/1994	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	8/30/1994	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/19/1994	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/21/1995	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/22/1995	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/3/1995	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/6/1996	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/7/1996	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	7/24/1997	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	10/28/1997	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/17/1998	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	8/25/2000	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/24/2006	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/3/2015	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/7/2017	57	77.17	0.5073	47.20	4386	74.5158%	Fecal		CFU/100 mL	200	-	230,958.2
5439500	9/7/2006	56.9	77.07	0.5073	47.14	4410	74.9235%	Fecal		CFU/100 mL	200	-	230,709.9
5439500	10/3/2015	56.9	77.07	0.5073	47.14	4410	74.9235%	Fecal		CFU/100 mL	200	-	230,709.9
5439500	10/9/2017	56.9	77.07	0.5073	47.14	4410	74.9235%	Fecal		CFU/100 mL	200	-	230,709.9
5439500	9/29/2020	56.9	77.07	0.5073	47.14	4410	74.9235%	Fecal		CFU/100 mL	200	-	230,709.9
5439500	8/4/2013	56.5	76.67	0.5073	46.94	4414	74.9915%	Fecal		CFU/100 mL	200	-	229,716.9
5439500	5/3/1992	246	266.17	0.1459	46.89	4415	75.0085%	Fecal		CFU/100 mL	200	-	229,461.3
5439500	9/8/2017	56.3	76.47	0.5073	46.84	4416	75.0255%	Fecal		CFU/100 mL	200	-	229,220.4
5439500	6/25/2003	56.1	76.27	0.5073	46.74	4417	75.0425%	Fecal		CFU/100 mL	200	-	228,723.9
5439500	9/8/2008	56.1	76.27	0.5073	46.74	4417	75.0425%	Fecal		CFU/100 mL	200	-	228,723.9
5439500	8/5/2013	56.1	76.27	0.5073	46.74	4417	75.0425%	Fecal		CFU/100 mL	200	-	228,723.9
5439500	9/19/1990	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	9/25/1990	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	6/27/1992	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	7/5/1992	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	9/30/1994	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	8/9/1995	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	8/10/1995	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	8/30/1995	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	9/10/1995	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	7/31/1998	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	7/30/2001	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	8/1/2001	56	76.17	0.5073	46.69	4420	75.0934%	Fecal		CFU/100 mL	200	-	228,475.6
5439500	10/2/2001	55.9	76.07	0.5073	46.64	4432	75.2973%	Fecal		CFU/100 mL	200	-	228,227.4
5439500	10/10/2001	55.9	76.07	0.5073	46.64	4432	75.2973%	Fecal		CFU/100 mL	200	-	228,227.4
5439500	8/20/2004	55.7	75.87	0.5073	46.54	4434	75.3313%	Fecal		CFU/100 mL	200	-	227,730.9
5439500	10/4/2015	55.7	75.87	0.5073	46.54	4434	75.3313%	Fecal		CFU/100 mL	200	-	227,730.9
5439500	9/12/2016	55.7	75.87	0.5073	46.54	4434	75.3313%	Fecal		CFU/100 mL	200	-	227,730.9
5439500	10/31/2004	55.6	75.77	0.5073	46.48	4437	75.3823%	Fecal		CFU/100 mL	200	-	227,482.6
5439500	9/28/2009	55.6	75.77	0.5073	46.48	4437	75.3823%	Fecal		CFU/100 mL	200	-	227,482.6
5439500	7/3/2012	55.6	75.77	0.5073	46.48	4437	75.3823%	Fecal		CFU/100 mL	200	-	227,482.6
5439500	8/8/2021	55.6	75.77	0.5073	46.48	4437	75.3823%	Fecal		CFU/100 mL	200	-	227,482.6
5439500	8/27/2004	55.5	75.67	0.5073	46.43	4441	75.4502%	Fecal		CFU/100 mL	200	-	227,234.4
5439500	8/31/2004	55.5	75.67	0.5073	46.43	4441	75.4502%	Fecal		CFU/100 mL	200	-	227,234.4
5439500	9/11/2008	55.5	75.67	0.5073	46.43	4441	75.4502%	Fecal		CFU/100 mL	200	-	227,234.4
5439500	10/3/2002	55.3	75.47	0.5073	46.33	4444	75.5012%	Fecal		CFU/100 mL	200	-	226,737.8
5439500	7/14/2006	55.3	75.47	0.5073	46.33	4444	75.5012%	Fecal		CFU/100 mL	200	-	226,737.8
5439500	9/9/2017	55.3	75.47	0.5073	46.33	4444	75.5012%	Fecal		CFU/100 mL	200	-	226,737.8
5439500	9/30/2009	55.2	75.37	0.5073	46.28	4447	75.5522%	Fecal		CFU/100 mL	200	-	226,489.6
5439500	10/8/2001	55.1	75.27	0.5073	46.23	4448	75.5691%	Fecal		CFU/100 mL	200	-	226,241.3
5439500	10/7/2002	55.1	75.27	0.5073	46.23	4448	75.5691%	Fecal		CFU/100 mL	200	-	226,241.3
5439500	9/13/2015	55.1	75.27	0.5073	46.23	4448	75.5691%	Fecal		CFU/100 mL	200	-	226,241.3
5439500	10/5/2015	55.1	75.27	0.5073	46.23	4448	75.5691%	Fecal		CFU/100 mL	200	-	226,241.3
5439500	9/20/1990	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	10/7/1990	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	7/10/1991	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	10/17/1992	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	6/10/1994	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	10/9/1996	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	8/4/1998	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	8/26/2000	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	8/28/2000	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	7/31/2001	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	9/6/2002	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	9/16/2011	55	75.17	0.5073	46.18	4452	75.6371%	Fecal		CFU/100 mL	200	-	225,993.1
5439500	9/22/2002	54.9	75.07	0.5073	46.13	4464	75.8410%	Fecal		CFU/100 mL	200	-	225,744.8
5439500	8/19/2014	54.9	75.07	0.5073	46.13	4464	75.8410%	Fecal		CFU/100 mL	200	-	225,744.8
5439500	10/17/2015	54.9	75.07	0.5073	46.13	4464	75.8410%	Fecal		CFU/100 mL	200	-	225,744.8
5439500	8/28/2020	54.9	75.07	0.5073	46.13	4464	75.8410%	Fecal		CFU/100 mL	200	-	225,744.8
5439500	7/23/2002	54.8	74.97	0.5073	46.08	4468	75.9089%	Fecal		CFU/100 mL	200	-	225,496.6
5439500	10/6/2015	54.8	74.97	0.5073	46.08	4468	75.9089%	Fecal		CFU/100 mL	200	-	225,496.6
5439500	6/30/2003	54.7	74.87	0.5073	46.03	4470	75.9429%	Fecal		CFU/100 mL	200	-	225,248.3
5439500	7/5/2005	54.6	74.77	0.5073	45.98	4471	75.9599%	Fecal		CFU/100 mL	200	-	225,000.1
5439500	6/29/2012	54.5	74.67	0.5073	45.93	4472	75.9769%	Fecal		CFU/100 mL	200	-	224,751.8
5439500	10/16/2015	54.5	74.67	0.5073	45.93	4472	75.9769%	Fecal		CFU/100 mL	200	-	224,751.8
5439500	10/20/2015	54.5	74.67	0.5073	45.93	4472	75.9769%	Fecal		CFU/100 mL	200	-	224,751.8
5439500	6/29/2003	54.4	74.57	0.5073	45.88	4475	76.0279%	Fecal		CFU/100 mL	200	-	224,503.5
5439500	9/28/2014	54.4	74.57	0.5073	45.88	4475	76.0279%	Fecal		CFU/100 mL	200	-	224,503.5
5439500	10/15/2015	54.3	74.47	0.5073	45.83	4477	76.0618%	Fecal		CFU/100 mL	200	-	224,255.3
5439500	7/8/2007	54.2	74.37	0.5073	45.77	4478	76.0788%	Fecal		CFU/100 mL	200	-	224,007.0
5439500	9/15/2011	54.2	74.37	0.5073	45.77	4478	76.0788%	Fecal		CFU/100 mL	200	-	224,007.0
5439500	9/21/2020	54.2	74.37	0.5073	45.77	4478	76.0788%	Fecal		CFU/100 mL	200	-	224,007.0
5439500	10/20/2012	54.1	74.27	0.5073	45.72	4481	76.1298%	Fecal		CFU/100 mL	200	-	223,758.8
5439500	8/10/2013	54.1	74.27	0.5073	45.72	4481	76.1298%	Fecal		CFU/100 mL	200	-	223,758.8
5439500	9/2/2020	54.1	74.27	0.5073	45.72	4481	76.1298%	Fecal		CFU/100 mL	200	-	223,758.8
5439500	10/6/1990	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	10/14/1994	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	10/18/1994	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/11/1995	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/12/1995	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	10/11/1995	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	7/25/1997	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/12/1998	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/2/1999	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/27/2000	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	7/31/2018	54	74.17	0.5073	45.67	4484	76.1808%	Fecal		CFU/100 mL	200	-	223,510.5
5439500	8/24/2015	53.9	74.07	0.5073	45.62	4495	76.3677%	Fecal		CFU/100 mL	200	-	223,262.3
5439500	10/9/2001	53.8	73.97	0.5073	45.57	4496	76.3846%	Fecal		CFU/100 mL	200	-	223,014.0
5439500	9/25/2006	53.8	73.97	0.5073	45.57	4496	76.3846%	Fecal	320	CFU/100 mL	200	356,822	223,014.0
5439500	8/23/2008	53.8	73.97	0.5073	45.57	4496	76.3846%	Fecal		CFU/100 mL	200	-	223,014.0
5439500	7/23/2006	53.6	73.77	0.5073	45.47	4499	76.4356%	Fecal		CFU/100 mL	200	-	222,517.5
5439500	8/14/2013	53.6	73.77	0.5073	45.47	4499	76.4356%	Fecal		CFU/100 mL	200	-	222,517.5
5439500	7/9/2012	53.5	73.67	0.5073	45.42	4501	76.4696%	Fecal		CFU/100 mL	200	-	222,269.2
5439500	9/29/2014	53.5	73.67	0.5073	45.42	4501	76.4696%	Fecal		CFU/100 mL	200	-	222,269.2
5439500	10/18/2015	53.5	73.67	0.5073	45.42	4501	76.4696%	Fecal		CFU/100 mL	200	-	222,269.2
5439500	10/4/2021	53.5	73.67	0.5073	45.42	4501	76.4696%	Fecal		CFU/100 mL	200	-	222,269.2
5439500	7/20/2006	53.3	73.47	0.5073	45.32	4505	76.5375%	Fecal		CFU/100 mL	200	-	221,772.7
5439500	9/24/2011	53.3	73.47	0.5073	45.32	4505	76.5375%	Fecal		CFU/100 mL	200	-	221,772.7
5439500	9/3/2020	53.3	73.47	0.5073	45.32	4505	76.5375%	Fecal		CFU/100 mL	200	-	221,772.7
5439500	10/8/1999	235	255.17	0.1459	45.28	4508	76.5885%	Fecal		CFU/100 mL	200	-	221,605.5
5439500	7/30/2002	53.2	73.37	0.5073	45.27	4509	76.6055%	Fecal		CFU/100 mL	200	-	221,524.5
5439500	9/7/2002	53.2	73.37	0.5073	45.27	4509	76.6055%	Fecal		CFU/100 mL	200	-	221,524.5
5439500	9/25/2011	53.2	73.37	0.5073	45.27	4509	76.6055%	Fecal		CFU/100 mL	200	-	221,524.5
5439500	9/10/2017	53.2	73.37	0.5073	45.27	4509	76.6055%	Fecal		CFU/100 mL	200	-	221,524.5
5439500	7/15/2006	53.1	73.27	0.5073	45.22	4513	76.6735%	Fecal		CFU/100 mL	200	-	221,276.2
5439500	10/17/2006	53.1	73.27	0.5073	45.22	4513	76.6735%	Fecal		CFU/100 mL	200	-	221,276.2
5439500	10/10/1991	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	6/11/1994	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	10/31/1994	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	9/7/1995	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	10/2/1995	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	7/26/1997	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/1/1998	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	10/11/1998	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	9/1/1999	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	8/29/2000	53	73.17	0.5073	45.17	4515	76.7074%	Fecal		CFU/100 mL	200	-	221,028.0
5439500	7/2/1995	234	254.17	0.1459	45.14	4525	76.8773%	Fecal		CFU/100 mL	200	-	220,891.4
5439500	8/20/2014	52.9	73.07	0.5073	45.12	4526	76.8943%	Fecal		CFU/100 mL	200	-	220,779.7
5439500	9/20/2002	52.8	72.97	0.5073	45.06	4527	76.9113%	Fecal		CFU/100 mL	200	-	220,531.4
5439500	10/15/2003	52.8	72.97	0.5073	45.06	4527	76.9113%	Fecal		CFU/100 mL	200	-	220,531.4
5439500	8/26/2020	52.8	72.97	0.5073	45.06	4527	76.9113%	Fecal		CFU/100 mL	200	-	220,531.4
5439500	10/2/2014	52.7	72.87	0.5073	45.01	4530	76.9623%	Fecal		CFU/100 mL	200	-	220,283.2
5439500	8/1/2018	52.7	72.87	0.5073	45.01	4530	76.9623%	Fecal		CFU/100 mL	200	-	220,283.2
5439500	8/25/2020	52.7	72.87	0.5073	45.01	4530	76.9623%	Fecal		CFU/100 mL	200	-	220,283.2
5439500	9/29/2009	52.6	72.77	0.5073	44.96	4533	77.0133%	Fecal		CFU/100 mL	200	-	220,034.9
5439500	9/30/2020	52.6	72.77	0.5073	44.96	4533	77.0133%	Fecal		CFU/100 mL	200	-	220,034.9
5439500	9/30/2014	52.5	72.67	0.5073	44.91	4535	77.0472%	Fecal		CFU/100 mL	200	-	219,786.7
5439500	10/8/2017	52.5	72.67	0.5073	44.91	4535	77.0472%	Fecal		CFU/100 mL	200	-	219,786.7
5439500	10/8/2015	52.4	72.57	0.5073	44.86	4537	77.0812%	Fecal		CFU/100 mL	200	-	219,538.4
5439500	6/21/2005	52.3	72.47	0.5073	44.81	4538	77.0982%	Fecal		CFU/100 mL	200	-	219,290.2
5439500	8/18/2008	52.3	72.47	0.5073	44.81	4538	77.0982%	Fecal		CFU/100 mL	200	-	219,290.2
5439500	8/27/2020	52.3	72.47	0.5073	44.81	4538	77.0982%	Fecal		CFU/100 mL	200	-	219,290.2
5439500	9/1/2020	52.3	72.47	0.5073	44.81	4538	77.0982%	Fecal		CFU/100 mL	200	-	219,290.2
5439500	7/24/2003	52.2	72.37	0.5073	44.76	4542	77.1662%	Fecal		CFU/100 mL	200	-	219,041.9
5439500	10/9/2015	52.1	72.27	0.5073	44.71	4543	77.1831%	Fecal		CFU/100 mL	200	-	218,793.7
5439500	7/11/1991	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	9/5/1991	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	8/4/1994	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	8/30/2000	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	8/31/2000	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	10/3/2001	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	10/1/2014	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	9/4/2015	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	9/4/2020	52	72.17	0.5073	44.66	4544	77.2001%	Fecal		CFU/100 mL	200	-	218,545.4
5439500	7/9/2007	51.8	71.97	0.5073	44.56	4553	77.3530%	Fecal		CFU/100 mL	200	-	218,048.9
5439500	10/12/2015	51.8	71.97	0.5073	44.56	4553	77.3530%	Fecal		CFU/100 mL	200	-	218,048.9
5439500	10/4/2001	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	8/11/2013	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	10/10/2015	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	10/14/2015	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	10/19/2015	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	9/13/2017	51.7	71.87	0.5073	44.51	4555	77.3870%	Fecal		CFU/100 mL	200	-	217,800.6
5439500	10/11/2015	51.6	71.77	0.5073	44.46	4561	77.4890%	Fecal		CFU/100 mL	200	-	217,552.4
5439500	10/10/2017	51.6	71.77	0.5073	44.46	4561	77.4890%	Fecal		CFU/100 mL	200	-	217,552.4
5439500	8/29/2020	51.6	71.77	0.5073	44.46	4561	77.4890%	Fecal		CFU/100 mL	200	-	217,552.4
5439500	8/31/2020	51.6	71.77	0.5073	44.46	4561	77.4890%	Fecal		CFU/100 mL	200	-	217,552.4
5439500	9/11/2017	51.5	71.67	0.5073	44.40	4565	77.5569%	Fecal		CFU/100 mL	200	-	217,304.1
5439500	7/16/2006	51.3	71.47	0.5073	44.30	4566	77.5739%	Fecal		CFU/100 mL	200	-	216,807.6
5439500	10/18/2012	51.2	71.37	0.5073	44.25	4567	77.5909%	Fecal		CFU/100 mL	200	-	216,559.3
5439500	7/24/2002	51.1	71.27	0.5073	44.20	4568	77.6079%	Fecal		CFU/100 mL	200	-	216,311.1
5439500	8/8/2003	51.1	71.27	0.5073	44.20	4568	77.6079%	Fecal		CFU/100 mL	200	-	216,311.1
5439500	8/2/2018	51.1	71.27	0.5073	44.20	4568	77.6079%	Fecal		CFU/100 mL	200	-	216,311.1
5439500	9/26/1990	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	10/3/1990	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	10/4/1992	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	6/12/1994	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	10/1/1994	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	10/15/1994	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	8/31/1995	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	9/1/2000	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	10/13/2015	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	9/12/2017	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	9/15/2017	51	71.17	0.5073	44.15	4571	77.6589%	Fecal		CFU/100 mL	200	-	216,062.8
5439500	7/19/2006	50.9	71.07	0.5073	44.10	4582	77.8457%	Fecal		CFU/100 mL	200	-	215,814.6
5439500	10/9/2006	50.9	71.07	0.5073	44.10	4582	77.8457%	Fecal		CFU/100 mL	200	-	215,814.6
5439500	8/30/2020	50.9	71.07	0.5073	44.10	4582	77.8457%	Fecal		CFU/100 mL	200	-	215,814.6
5439500	7/6/2003	50.8	70.97	0.5073	44.05	4585	77.8967%	Fecal		CFU/100 mL	200	-	215,566.3
5439500	8/3/2018	50.8	70.97	0.5073	44.05	4585	77.8967%	Fecal		CFU/100 mL	200	-	215,566.3
5439500	8/8/2002	50.7	70.87	0.5073	44.00	4587	77.9307%	Fecal		CFU/100 mL	200	-	215,318.1
5439500	9/19/2002	50.7	70.87	0.5073	44.00	4587	77.9307%	Fecal		CFU/100 mL	200	-	215,318.1
5439500	9/17/2004	50.7	70.87	0.5073	44.00	4587	77.9307%	Fecal		CFU/100 mL	200	-	215,318.1
5439500	9/29/2017	50.7	70.87	0.5073	44.00	4587	77.9307%	Fecal		CFU/100 mL	200	-	215,318.1
5439500	7/31/2002	50.6	70.77	0.5073	43.95	4591	77.9986%	Fecal		CFU/100 mL	200	-	215,069.8
5439500	9/22/2020	50.5	70.67	0.5073	43.90	4592	78.0156%	Fecal		CFU/100 mL	200	-	214,821.6
5439500	8/25/2013	50.2	70.37	0.5073	43.75	4593	78.0326%	Fecal		CFU/100 mL	200	-	214,076.8
5439500	8/25/2015	50.2	70.37	0.5073	43.75	4593	78.0326%	Fecal		CFU/100 mL	200	-	214,076.8
5439500	9/14/2017	50.2	70.37	0.5073	43.75	4593	78.0326%	Fecal		CFU/100 mL	200	-	214,076.8
5439500	9/5/2020	50.1	70.27	0.5073	43.69	4596	78.0836%	Fecal		CFU/100 mL	200	-	213,828.5
5439500	9/27/1990	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	6/28/1992	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/10/1992	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	7/26/1994	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/3/1994	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	10/16/1994	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	10/17/1994	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	10/12/1995	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	7/27/1997	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/1/1998	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	9/14/1998	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/3/1999	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	9/21/1999	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	9/2/2000	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	9/3/2000	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/5/2001	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	8/8/2004	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	9/28/2020	50	70.17	0.5073	43.64	4597	78.1006%	Fecal		CFU/100 mL	200	-	213,580.3
5439500	10/8/2002	49.9	70.07	0.5073	43.59	4615	78.4064%	Fecal		CFU/100 mL	200	-	213,332.0
5439500	7/6/2005	49.8	69.97	0.5073	43.54	4616	78.4234%	Fecal		CFU/100 mL	200	-	213,083.8
5439500	8/22/2005	49.8	69.97	0.5073	43.54	4616	78.4234%	Fecal		CFU/100 mL	200	-	213,083.8
5439500	8/12/2013	49.8	69.97	0.5073	43.54	4616	78.4234%	Fecal		CFU/100 mL	200	-	213,083.8
5439500	8/19/2008	49.7	69.87	0.5073	43.49	4619	78.4743%	Fecal		CFU/100 mL	200	-	212,835.5
5439500	8/23/2016	49.7	69.87	0.5073	43.49	4619	78.4743%	Fecal		CFU/100 mL	200	-	212,835.5
5439500	8/6/2018	49.5	69.67	0.5073	43.39	4621	78.5083%	Fecal		CFU/100 mL	200	-	212,339.0
5439500	9/8/2002	49.3	69.47	0.5073	43.29	4622	78.5253%	Fecal		CFU/100 mL	200	-	211,842.5
5439500	8/13/2013	49.3	69.47	0.5073	43.29	4622	78.5253%	Fecal		CFU/100 mL	200	-	211,842.5
5439500	8/19/2016	49.2	69.37	0.5073	43.24	4624	78.5593%	Fecal		CFU/100 mL	200	-	211,594.2
5439500	9/19/2017	49.2	69.37	0.5073	43.24	4624	78.5593%	Fecal		CFU/100 mL	200	-	211,594.2
5439500	9/23/2020	49.2	69.37	0.5073	43.24	4624	78.5593%	Fecal		CFU/100 mL	200	-	211,594.2
5439500	10/31/2013	49.1	69.27	0.5073	43.19	4627	78.6103%	Fecal		CFU/100 mL	200	-	211,346.0
5439500	10/16/2021	49.1	69.27	0.5073	43.19	4627	78.6103%	Fecal		CFU/100 mL	200	-	211,346.0
5439500	9/28/1990	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	9/29/1990	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	9/30/1990	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	9/2/1994	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	9/1/1995	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	8/15/1997	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	9/4/2000	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	10/16/2012	49	69.17	0.5073	43.14	4629	78.6442%	Fecal		CFU/100 mL	200	-	211,097.7
5439500	7/2/2012	48.9	69.07	0.5073	43.09	4637	78.7802%	Fecal		CFU/100 mL	200	-	210,849.5
5439500	10/12/2020	48.9	69.07	0.5073	43.09	4637	78.7802%	Fecal		CFU/100 mL	200	-	210,849.5
5439500	7/25/2002	48.8	68.97	0.5073	43.04	4639	78.8141%	Fecal		CFU/100 mL	200	-	210,601.2
5439500	6/22/2005	48.8	68.97	0.5073	43.04	4639	78.8141%	Fecal		CFU/100 mL	200	-	210,601.2
5439500	9/23/2017	48.8	68.97	0.5073	43.04	4639	78.8141%	Fecal		CFU/100 mL	200	-	210,601.2
5439500	8/20/2005	48.6	68.77	0.5073	42.93	4642	78.8651%	Fecal		CFU/100 mL	200	-	210,104.7
5439500	10/11/2006	48.6	68.77	0.5073	42.93	4642	78.8651%	Fecal		CFU/100 mL	200	-	210,104.7
5439500	10/23/2004	48.5	68.67	0.5073	42.88	4644	78.8991%	Fecal		CFU/100 mL	200	-	209,856.4
5439500	8/21/2008	48.5	68.67	0.5073	42.88	4644	78.8991%	Fecal		CFU/100 mL	200	-	209,856.4
5439500	10/15/2020	48.5	68.67	0.5073	42.88	4644	78.8991%	Fecal		CFU/100 mL	200	-	209,856.4
5439500	9/28/2017	48.4	68.57	0.5073	42.83	4647	78.9501%	Fecal		CFU/100 mL	200	-	209,608.2
5439500	9/25/2020	48.4	68.57	0.5073	42.83	4647	78.9501%	Fecal		CFU/100 mL	200	-	209,608.2
5439500	10/14/2020	48.4	68.57	0.5073	42.83	4647	78.9501%	Fecal		CFU/100 mL	200	-	209,608.2
5439500	10/14/2006	48.3	68.47	0.5073	42.78	4650	79.0010%	Fecal		CFU/100 mL	200	-	209,359.9
5439500	9/8/2015	48.3	68.47	0.5073	42.78	4650	79.0010%	Fecal		CFU/100 mL	200	-	209,359.9
5439500	10/10/2020	48.2	68.37	0.5073	42.73	4652	79.0350%	Fecal		CFU/100 mL	200	-	209,111.7
5439500	8/14/2021	48.2	68.37	0.5073	42.73	4652	79.0350%	Fecal		CFU/100 mL	200	-	209,111.7
5439500	7/1/2003	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	9/11/2006	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	8/20/2008	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	9/16/2017	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	8/5/2018	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	9/24/2020	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	10/11/2020	48.1	68.27	0.5073	42.68	4654	79.0690%	Fecal		CFU/100 mL	200	-	208,863.4
5439500	7/12/1991	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	7/13/1991	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	7/22/1991	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	9/12/1991	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/28/1992	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/13/1995	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/13/1998	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/4/1999	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	9/2/1999	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/26/2015	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	9/25/2017	48	68.17	0.5073	42.63	4661	79.1879%	Fecal		CFU/100 mL	200	-	208,615.2
5439500	8/9/2003	47.9	68.07	0.5073	42.58	4672	79.3748%	Fecal		CFU/100 mL	200	-	208,366.9
5439500	10/10/2006	47.9	68.07	0.5073	42.58	4672	79.3748%	Fecal		CFU/100 mL	200	-	208,366.9
5439500	9/14/2015	47.9	68.07	0.5073	42.58	4672	79.3748%	Fecal		CFU/100 mL	200	-	208,366.9
5439500	10/5/2020	47.9	68.07	0.5073	42.58	4672	79.3748%	Fecal		CFU/100 mL	200	-	208,366.9
5439500	10/1/2020	47.8	67.97	0.5073	42.53	4676	79.4427%	Fecal		CFU/100 mL	200	-	208,118.6
5439500	9/14/2006	47.7	67.87	0.5073	42.48	4677	79.4597%	Fecal		CFU/100 mL	200	-	207,870.4
5439500	9/5/2015	47.6	67.77	0.5073	42.43	4678	79.4767%	Fecal		CFU/100 mL	200	-	207,622.1
5439500	9/24/2017	47.6	67.77	0.5073	42.43	4678	79.4767%	Fecal		CFU/100 mL	200	-	207,622.1
5439500	8/27/2015	47.4	67.57	0.5073	42.32	4680	79.5107%	Fecal		CFU/100 mL	200	-	207,125.6
5439500	8/11/2018	47.4	67.57	0.5073	42.32	4680	79.5107%	Fecal		CFU/100 mL	200	-	207,125.6
5439500	9/30/2017	47.3	67.47	0.5073	42.27	4682	79.5447%	Fecal		CFU/100 mL	200	-	206,877.4
5439500	10/6/2017	47.3	67.47	0.5073	42.27	4682	79.5447%	Fecal		CFU/100 mL	200	-	206,877.4
5439500	10/7/2017	47.3	67.47	0.5073	42.27	4682	79.5447%	Fecal		CFU/100 mL	200	-	206,877.4
5439500	10/21/2020	47.3	67.47	0.5073	42.27	4682	79.5447%	Fecal		CFU/100 mL	200	-	206,877.4
5439500	7/4/2012	47.2	67.37	0.5073	42.22	4686	79.6126%	Fecal		CFU/100 mL	200	-	206,629.1
5439500	10/2/2020	47.1	67.27	0.5073	42.17	4687	79.6296%	Fecal		CFU/100 mL	200	-	206,380.9
5439500	10/1/1990	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	7/23/1991	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	7/6/1992	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	7/9/1992	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	8/5/1994	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	9/3/1994	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/8/1994	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/20/1994	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	9/11/1995	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/13/1995	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/14/1995	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	7/28/1997	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/12/1998	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/13/1998	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	8/14/1999	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	8/17/2001	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	8/4/2018	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	10/4/2020	47	67.17	0.5073	42.12	4688	79.6466%	Fecal		CFU/100 mL	200	-	206,132.6
5439500	8/1/2002	46.9	67.07	0.5073	42.07	4706	79.9524%	Fecal		CFU/100 mL	200	-	205,884.3
5439500	9/12/2008	46.9	67.07	0.5073	42.07	4706	79.9524%	Fecal		CFU/100 mL	200	-	205,884.3
5439500	9/27/2017	46.9	67.07	0.5073	42.07	4706	79.9524%	Fecal		CFU/100 mL	200	-	205,884.3
5439500	8/2/2002	46.8	66.97	0.5073	42.02	4709	80.0034%	Fecal		CFU/100 mL	200	-	205,636.1
5439500	8/13/2005	46.8	66.97	0.5073	42.02	4709	80.0034%	Fecal		CFU/100 mL	200	-	205,636.1
5439500	9/4/2013	46.8	66.97	0.5073	42.02	4709	80.0034%	Fecal		CFU/100 mL	200	-	205,636.1
5439500	10/9/2020	46.7	66.87	0.5073	41.97	4712	80.0544%	Fecal		CFU/100 mL	200	-	205,387.8
5439500	10/16/2020	46.7	66.87	0.5073	41.97	4712	80.0544%	Fecal		CFU/100 mL	200	-	205,387.8
5439500	9/11/2002	46.6	66.77	0.5073	41.92	4714	80.0883%	Fecal		CFU/100 mL	200	-	205,139.6
5439500	10/13/2020	46.6	66.77	0.5073	41.92	4714	80.0883%	Fecal		CFU/100 mL	200	-	205,139.6
5439500	9/10/2002	46.4	66.57	0.5073	41.82	4716	80.1223%	Fecal		CFU/100 mL	200	-	204,643.1
5439500	9/26/2020	46.4	66.57	0.5073	41.82	4716	80.1223%	Fecal		CFU/100 mL	200	-	204,643.1
5439500	6/29/1992	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	7/7/1992	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	7/27/1994	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	9/4/1994	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	9/5/1994	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	10/23/1994	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	9/2/1995	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/14/1997	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/21/1997	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	10/2/1998	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	10/16/1998	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/5/1999	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/8/1999	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/26/2001	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	7/7/2003	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/28/2015	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	8/9/2016	46	66.17	0.5073	41.61	4718	80.1563%	Fecal		CFU/100 mL	200	-	203,650.0
5439500	9/6/2015	45.8	65.97	0.5073	41.51	4735	80.4451%	Fecal		CFU/100 mL	200	-	203,153.5
5439500	10/18/2020	45.8	65.97	0.5073	41.51	4735	80.4451%	Fecal		CFU/100 mL	200	-	203,153.5
5439500	10/27/2002	45.7	65.87	0.5073	41.46	4737	80.4791%	Fecal		CFU/100 mL	200	-	202,905.3
5439500	10/17/2020	45.7	65.87	0.5073	41.46	4737	80.4791%	Fecal		CFU/100 mL	200	-	202,905.3
5439500	9/27/2020	45.6	65.77	0.5073	41.41	4739	80.5131%	Fecal		CFU/100 mL	200	-	202,657.0
5439500	10/6/2020	45.6	65.77	0.5073	41.41	4739	80.5131%	Fecal		CFU/100 mL	200	-	202,657.0
5439500	10/20/2020	45.6	65.77	0.5073	41.41	4739	80.5131%	Fecal		CFU/100 mL	200	-	202,657.0
5439500	9/20/2017	45.4	65.57	0.5073	41.31	4742	80.5641%	Fecal		CFU/100 mL	200	-	202,160.5
5439500	10/3/2020	45.4	65.57	0.5073	41.31	4742	80.5641%	Fecal		CFU/100 mL	200	-	202,160.5
5439500	9/24/2002	45.3	65.47	0.5073	41.26	4744	80.5980%	Fecal		CFU/100 mL	200	-	201,912.2
5439500	6/23/2005	45.3	65.47	0.5073	41.26	4744	80.5980%	Fecal		CFU/100 mL	200	-	201,912.2
5439500	9/13/2016	45.3	65.47	0.5073	41.26	4744	80.5980%	Fecal		CFU/100 mL	200	-	201,912.2

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/1/2017	45.2	65.37	0.5073	41.21	4747	80.6490%	Fecal		CFU/100 mL	200	-	201,664.0
5439500	10/26/2002	45.1	65.27	0.5073	41.16	4748	80.6660%	Fecal		CFU/100 mL	200	-	201,415.7
5439500	7/14/1991	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	6/30/1992	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	10/5/1992	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	10/16/1992	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	7/28/1994	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/6/1994	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/7/1994	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	10/2/1994	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	10/21/1994	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/12/1995	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/6/1997	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/2/1998	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/14/1998	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/18/1998	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/6/1999	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/7/1999	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	8/13/1999	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/3/1999	45	65.17	0.5073	41.11	4749	80.6830%	Fecal		CFU/100 mL	200	-	201,167.5
5439500	9/9/2002	44.9	65.07	0.5073	41.06	4767	80.9888%	Fecal		CFU/100 mL	200	-	200,919.2
5439500	10/19/2020	44.9	65.07	0.5073	41.06	4767	80.9888%	Fecal		CFU/100 mL	200	-	200,919.2
5439500	9/1/2004	44.8	64.97	0.5073	41.01	4769	81.0228%	Fecal		CFU/100 mL	200	-	200,671.0
5439500	7/2/2003	44.7	64.87	0.5073	40.96	4770	81.0398%	Fecal		CFU/100 mL	200	-	200,422.7
5439500	10/4/2017	44.7	64.87	0.5073	40.96	4770	81.0398%	Fecal		CFU/100 mL	200	-	200,422.7
5439500	10/5/2017	44.7	64.87	0.5073	40.96	4770	81.0398%	Fecal		CFU/100 mL	200	-	200,422.7
5439500	10/8/2020	44.7	64.87	0.5073	40.96	4770	81.0398%	Fecal		CFU/100 mL	200	-	200,422.7
5439500	10/5/2013	44.5	64.67	0.5073	40.85	4774	81.1077%	Fecal		CFU/100 mL	200	-	199,926.2
5439500	10/2/2017	44.5	64.67	0.5073	40.85	4774	81.1077%	Fecal		CFU/100 mL	200	-	199,926.2
5439500	10/7/2020	44.5	64.67	0.5073	40.85	4774	81.1077%	Fecal		CFU/100 mL	200	-	199,926.2
5439500	10/26/2004	44.4	64.57	0.5073	40.80	4777	81.1587%	Fecal		CFU/100 mL	200	-	199,677.9
5439500	8/22/2008	44.4	64.57	0.5073	40.80	4777	81.1587%	Fecal		CFU/100 mL	200	-	199,677.9
5439500	9/26/2017	44.4	64.57	0.5073	40.80	4777	81.1587%	Fecal		CFU/100 mL	200	-	199,677.9
5439500	9/22/2017	44.3	64.47	0.5073	40.75	4780	81.2097%	Fecal		CFU/100 mL	200	-	199,429.7
5439500	10/3/2017	44.3	64.47	0.5073	40.75	4780	81.2097%	Fecal		CFU/100 mL	200	-	199,429.7
5439500	9/17/2017	44.2	64.37	0.5073	40.70	4782	81.2436%	Fecal		CFU/100 mL	200	-	199,181.4
5439500	10/10/2021	44.2	64.37	0.5073	40.70	4782	81.2436%	Fecal		CFU/100 mL	200	-	199,181.4
5439500	9/23/2002	44.1	64.27	0.5073	40.65	4784	81.2776%	Fecal		CFU/100 mL	200	-	198,933.2
5439500	10/2/1990	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	7/8/1992	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/11/1992	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/9/1992	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	10/18/1992	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	10/22/1994	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	10/25/1994	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/14/1995	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/3/1995	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	10/4/1995	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/19/1997	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/3/1998	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/15/1998	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/2/1998	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/9/1999	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/6/2000	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/20/2001	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	8/9/2002	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	9/17/2013	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	10/9/2021	44	64.17	0.5073	40.60	4785	81.2946%	Fecal		CFU/100 mL	200	-	198,684.9
5439500	7/5/2003	43.8	63.97	0.5073	40.50	4805	81.6344%	Fecal		CFU/100 mL	200	-	198,188.4
5439500	6/24/2005	43.8	63.97	0.5073	40.50	4805	81.6344%	Fecal		CFU/100 mL	200	-	198,188.4
5439500	9/18/2017	43.7	63.87	0.5073	40.45	4807	81.6684%	Fecal		CFU/100 mL	200	-	197,940.1
5439500	8/26/2013	43.4	63.57	0.5073	40.30	4808	81.6854%	Fecal		CFU/100 mL	200	-	197,195.4
5439500	10/15/2006	43.3	63.47	0.5073	40.25	4809	81.7023%	Fecal		CFU/100 mL	200	-	196,947.1
5439500	8/13/2004	43.2	63.37	0.5073	40.19	4810	81.7193%	Fecal		CFU/100 mL	200	-	196,698.9
5439500	9/7/2015	43.2	63.37	0.5073	40.19	4810	81.7193%	Fecal		CFU/100 mL	200	-	196,698.9
5439500	7/25/2003	43.1	63.27	0.5073	40.14	4812	81.7533%	Fecal		CFU/100 mL	200	-	196,450.6
5439500	7/27/2006	43.1	63.27	0.5073	40.14	4812	81.7533%	Fecal		CFU/100 mL	200	-	196,450.6
5439500	10/11/1991	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	10/25/1991	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/13/1992	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	10/6/1992	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/8/1994	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/20/1995	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/24/1995	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/19/1998	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	10/1/1998	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/10/1999	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/12/1999	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/4/1999	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/23/2001	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	7/24/2006	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/15/2013	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/15/2015	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	9/21/2017	43	63.17	0.5073	40.09	4814	81.7873%	Fecal		CFU/100 mL	200	-	196,202.4
5439500	8/11/2004	42.9	63.07	0.5073	40.04	4831	82.0761%	Fecal		CFU/100 mL	200	-	195,954.1
5439500	7/17/2006	42.9	63.07	0.5073	40.04	4831	82.0761%	Fecal		CFU/100 mL	200	-	195,954.1
5439500	6/25/2001	199	219.17	0.1459	40.03	4833	82.1101%	Fecal		CFU/100 mL	200	-	195,895.9
5439500	9/12/2002	42.8	62.97	0.5073	39.99	4834	82.1271%	Fecal		CFU/100 mL	200	-	195,705.8
5439500	9/16/2013	42.8	62.97	0.5073	39.99	4834	82.1271%	Fecal		CFU/100 mL	200	-	195,705.8
5439500	8/24/2008	42.7	62.87	0.5073	39.94	4836	82.1611%	Fecal		CFU/100 mL	200	-	195,457.6
5439500	8/25/2004	42.5	62.67	0.5073	39.84	4837	82.1780%	Fecal		CFU/100 mL	200	-	194,961.1
5439500	10/9/2002	42.4	62.57	0.5073	39.79	4838	82.1950%	Fecal		CFU/100 mL	200	-	194,712.8
5439500	7/21/2012	42.4	62.57	0.5073	39.79	4838	82.1950%	Fecal		CFU/100 mL	200	-	194,712.8
5439500	7/5/2012	42.3	62.47	0.5073	39.74	4840	82.2290%	Fecal		CFU/100 mL	200	-	194,464.6
5439500	8/10/2002	42.1	62.27	0.5073	39.64	4841	82.2460%	Fecal		CFU/100 mL	200	-	193,968.1
5439500	7/28/2006	42.1	62.27	0.5073	39.64	4841	82.2460%	Fecal		CFU/100 mL	200	-	193,968.1
5439500	10/16/2006	42.1	62.27	0.5073	39.64	4841	82.2460%	Fecal		CFU/100 mL	200	-	193,968.1
5439500	10/21/1991	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	7/1/1992	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	7/10/1992	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	8/26/1992	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/10/1992	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/4/1994	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/7/1994	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/24/1994	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/26/1994	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/4/1995	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/26/1995	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/5/1995	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/15/1995	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/3/1998	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	10/3/1998	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/14/1999	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/7/2000	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/8/2000	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/10/2000	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	8/6/2001	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/12/2001	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	8/10/2003	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	6/25/2005	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	9/17/2015	42	62.17	0.5073	39.59	4844	82.2970%	Fecal		CFU/100 mL	200	-	193,719.8
5439500	8/22/2013	41.9	62.07	0.5073	39.53	4868	82.7047%	Fecal		CFU/100 mL	200	-	193,471.5
5439500	8/12/2004	41.7	61.87	0.5073	39.43	4869	82.7217%	Fecal		CFU/100 mL	200	-	192,975.0
5439500	10/19/2013	41.7	61.87	0.5073	39.43	4869	82.7217%	Fecal		CFU/100 mL	200	-	192,975.0
5439500	8/19/2018	41.7	61.87	0.5073	39.43	4869	82.7217%	Fecal		CFU/100 mL	200	-	192,975.0
5439500	8/3/2002	41.6	61.77	0.5073	39.38	4872	82.7727%	Fecal		CFU/100 mL	200	-	192,726.8
5439500	7/3/2003	41.6	61.77	0.5073	39.38	4872	82.7727%	Fecal		CFU/100 mL	200	-	192,726.8
5439500	10/16/2003	41.6	61.77	0.5073	39.38	4872	82.7727%	Fecal		CFU/100 mL	200	-	192,726.8
5439500	8/30/2006	41.6	61.77	0.5073	39.38	4872	82.7727%	Fecal		CFU/100 mL	200	-	192,726.8
5439500	10/8/2021	41.6	61.77	0.5073	39.38	4872	82.7727%	Fecal		CFU/100 mL	200	-	192,726.8
5439500	8/18/2013	41.5	61.67	0.5073	39.33	4877	82.8576%	Fecal		CFU/100 mL	200	-	192,478.5
5439500	9/2/2004	41.4	61.57	0.5073	39.28	4878	82.8746%	Fecal		CFU/100 mL	200	-	192,230.3
5439500	9/5/2013	41.4	61.57	0.5073	39.28	4878	82.8746%	Fecal		CFU/100 mL	200	-	192,230.3
5439500	10/5/2021	41.4	61.57	0.5073	39.28	4878	82.8746%	Fecal		CFU/100 mL	200	-	192,230.3
5439500	10/17/2021	41.4	61.57	0.5073	39.28	4878	82.8746%	Fecal		CFU/100 mL	200	-	192,230.3
5439500	10/25/2002	41.1	61.27	0.5073	39.13	4882	82.9426%	Fecal		CFU/100 mL	200	-	191,485.5
5439500	8/15/2021	41.1	61.27	0.5073	39.13	4882	82.9426%	Fecal		CFU/100 mL	200	-	191,485.5
5439500	9/16/1991	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/12/1991	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/7/1992	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/11/1992	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/12/1992	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	7/29/1994	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/6/1994	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	9/23/1994	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/3/1994	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	10/6/1994	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	9/13/1995	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	7/29/1997	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/16/1998	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/17/1998	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	9/4/1998	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/11/1999	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/15/1999	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	9/9/2000	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/16/2013	41	61.17	0.5073	39.08	4884	82.9766%	Fecal		CFU/100 mL	200	-	191,237.2
5439500	8/14/2004	40.9	61.07	0.5073	39.03	4903	83.2994%	Fecal		CFU/100 mL	200	-	190,989.0
5439500	9/4/2008	40.9	61.07	0.5073	39.03	4903	83.2994%	Fecal		CFU/100 mL	200	-	190,989.0
5439500	7/10/2012	40.8	60.97	0.5073	38.98	4905	83.3333%	Fecal		CFU/100 mL	200	-	190,740.7
5439500	9/13/2002	40.7	60.87	0.5073	38.93	4906	83.3503%	Fecal		CFU/100 mL	200	-	190,492.5
5439500	10/4/2013	40.6	60.77	0.5073	38.88	4907	83.3673%	Fecal		CFU/100 mL	200	-	190,244.2
5439500	10/6/2013	40.5	60.67	0.5073	38.82	4908	83.3843%	Fecal		CFU/100 mL	200	-	189,996.0
5439500	8/6/2006	40.4	60.57	0.5073	38.77	4909	83.4013%	Fecal		CFU/100 mL	200	-	189,747.7
5439500	7/25/2006	40.3	60.47	0.5073	38.72	4910	83.4183%	Fecal		CFU/100 mL	200	-	189,499.4
5439500	8/13/2016	40.3	60.47	0.5073	38.72	4910	83.4183%	Fecal		CFU/100 mL	200	-	189,499.4
5439500	8/4/2002	40.2	60.37	0.5073	38.67	4912	83.4523%	Fecal		CFU/100 mL	200	-	189,251.2
5439500	7/29/2006	40.2	60.37	0.5073	38.67	4912	83.4523%	Fecal		CFU/100 mL	200	-	189,251.2
5439500	8/17/2013	40.2	60.37	0.5073	38.67	4912	83.4523%	Fecal		CFU/100 mL	200	-	189,251.2
5439500	8/16/2018	40.2	60.37	0.5073	38.67	4912	83.4523%	Fecal		CFU/100 mL	200	-	189,251.2
5439500	9/14/2002	40.1	60.27	0.5073	38.62	4916	83.5202%	Fecal		CFU/100 mL	200	-	189,002.9
5439500	7/15/1991	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/8/1992	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	9/9/1994	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/5/1994	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/27/1994	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	9/19/1995	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/16/1995	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/17/1995	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	8/22/1997	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	8/18/1998	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	9/5/1998	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	9/5/1999	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	6/29/2005	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	7/6/2012	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	9/14/2016	40	60.17	0.5073	38.57	4917	83.5372%	Fecal		CFU/100 mL	200	-	188,754.7
5439500	10/11/2021	39.9	60.07	0.5073	38.52	4932	83.7920%	Fecal		CFU/100 mL	200	-	188,506.4
5439500	9/18/2002	39.8	59.97	0.5073	38.47	4933	83.8090%	Fecal		CFU/100 mL	200	-	188,258.2
5439500	10/10/2002	39.8	59.97	0.5073	38.47	4933	83.8090%	Fecal		CFU/100 mL	200	-	188,258.2
5439500	10/27/2004	39.8	59.97	0.5073	38.47	4933	83.8090%	Fecal		CFU/100 mL	200	-	188,258.2
5439500	9/25/2002	39.7	59.87	0.5073	38.42	4936	83.8600%	Fecal	2	CFU/100 mL	200	1,589	188,009.9
5439500	6/26/2005	39.7	59.87	0.5073	38.42	4936	83.8600%	Fecal		CFU/100 mL	200	-	188,009.9
5439500	8/18/2004	39.6	59.77	0.5073	38.37	4938	83.8940%	Fecal		CFU/100 mL	200	-	187,761.7
5439500	7/4/2003	39.5	59.67	0.5073	38.32	4939	83.9110%	Fecal		CFU/100 mL	200	-	187,513.4
5439500	10/2/2002	39.4	59.57	0.5073	38.27	4940	83.9280%	Fecal		CFU/100 mL	200	-	187,265.1
5439500	8/15/2004	39.2	59.37	0.5073	38.17	4941	83.9450%	Fecal		CFU/100 mL	200	-	186,768.6
5439500	9/26/2006	39.1	59.27	0.5073	38.11	4942	83.9619%	Fecal		CFU/100 mL	200	-	186,520.4
5439500	10/21/2012	39.1	59.27	0.5073	38.11	4942	83.9619%	Fecal		CFU/100 mL	200	-	186,520.4
5439500	10/21/2021	39.1	59.27	0.5073	38.11	4942	83.9619%	Fecal		CFU/100 mL	200	-	186,520.4
5439500	10/9/1992	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	7/30/1994	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/11/1994	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/12/1994	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/28/1994	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/29/1994	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/5/1995	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/16/1995	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/25/1995	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/18/1995	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	9/27/1999	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	8/27/2001	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/13/2002	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/30/2004	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/14/2012	39	59.17	0.5073	38.06	4945	84.0129%	Fecal		CFU/100 mL	200	-	186,272.1
5439500	10/11/2002	38.9	59.07	0.5073	38.01	4960	84.2678%	Fecal		CFU/100 mL	200	-	186,023.9
5439500	10/28/2002	38.9	59.07	0.5073	38.01	4960	84.2678%	Fecal		CFU/100 mL	200	-	186,023.9
5439500	10/10/2004	38.9	59.07	0.5073	38.01	4960	84.2678%	Fecal		CFU/100 mL	200	-	186,023.9
5439500	8/19/2013	38.9	59.07	0.5073	38.01	4960	84.2678%	Fecal		CFU/100 mL	200	-	186,023.9
5439500	10/12/2002	38.8	58.97	0.5073	37.96	4964	84.3357%	Fecal		CFU/100 mL	200	-	185,775.6
5439500	6/27/2005	38.8	58.97	0.5073	37.96	4964	84.3357%	Fecal		CFU/100 mL	200	-	185,775.6
5439500	7/7/2012	38.8	58.97	0.5073	37.96	4964	84.3357%	Fecal		CFU/100 mL	200	-	185,775.6
5439500	10/24/2012	38.8	58.97	0.5073	37.96	4964	84.3357%	Fecal		CFU/100 mL	200	-	185,775.6
5439500	9/18/2004	38.6	58.77	0.5073	37.86	4968	84.4037%	Fecal		CFU/100 mL	200	-	185,279.1
5439500	9/16/2015	38.6	58.77	0.5073	37.86	4968	84.4037%	Fecal		CFU/100 mL	200	-	185,279.1
5439500	8/22/2018	38.6	58.77	0.5073	37.86	4968	84.4037%	Fecal		CFU/100 mL	200	-	185,279.1
5439500	7/11/2012	38.4	58.57	0.5073	37.76	4971	84.4546%	Fecal		CFU/100 mL	200	-	184,782.6
5439500	8/11/2002	38.3	58.47	0.5073	37.71	4972	84.4716%	Fecal		CFU/100 mL	200	-	184,534.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/3/2004	38.2	58.37	0.5073	37.66	4973	84.4886%	Fecal		CFU/100 mL	200	-	184,286.1
5439500	9/16/2004	38.2	58.37	0.5073	37.66	4973	84.4886%	Fecal		CFU/100 mL	200	-	184,286.1
5439500	10/12/2012	38.2	58.37	0.5073	37.66	4973	84.4886%	Fecal		CFU/100 mL	200	-	184,286.1
5439500	8/21/2018	38.2	58.37	0.5073	37.66	4973	84.4886%	Fecal		CFU/100 mL	200	-	184,286.1
5439500	7/16/1991	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	7/17/1991	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/24/1991	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	8/14/1992	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/14/1992	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	9/10/1994	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	9/6/1995	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	9/14/1995	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	9/27/1995	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/19/1995	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/20/1995	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	7/30/1997	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	8/23/1997	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/29/1997	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	8/24/1998	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	9/20/1998	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	8/9/2004	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	7/26/2006	38	58.17	0.5073	37.56	4977	84.5566%	Fecal		CFU/100 mL	200	-	183,789.6
5439500	10/18/2021	37.9	58.07	0.5073	37.51	4995	84.8624%	Fecal		CFU/100 mL	200	-	183,541.3
5439500	9/15/2002	37.8	57.97	0.5073	37.45	4996	84.8794%	Fecal		CFU/100 mL	200	-	183,293.0
5439500	8/11/2003	37.8	57.97	0.5073	37.45	4996	84.8794%	Fecal		CFU/100 mL	200	-	183,293.0
5439500	8/27/2013	37.8	57.97	0.5073	37.45	4996	84.8794%	Fecal		CFU/100 mL	200	-	183,293.0
5439500	10/14/2013	37.8	57.97	0.5073	37.45	4996	84.8794%	Fecal		CFU/100 mL	200	-	183,293.0
5439500	10/20/2002	37.7	57.87	0.5073	37.40	5000	84.9473%	Fecal		CFU/100 mL	200	-	183,044.8
5439500	8/10/2016	37.6	57.77	0.5073	37.35	5001	84.9643%	Fecal		CFU/100 mL	200	-	182,796.5
5439500	8/26/2006	37.5	57.67	0.5073	37.30	5002	84.9813%	Fecal		CFU/100 mL	200	-	182,548.3
5439500	10/29/2002	37.4	57.57	0.5073	37.25	5003	84.9983%	Fecal		CFU/100 mL	200	-	182,300.0
5439500	8/21/2004	37.4	57.57	0.5073	37.25	5003	84.9983%	Fecal		CFU/100 mL	200	-	182,300.0
5439500	10/22/2021	37.4	57.57	0.5073	37.25	5003	84.9983%	Fecal		CFU/100 mL	200	-	182,300.0
5439500	8/16/2021	37.3	57.47	0.5073	37.20	5006	85.0493%	Fecal		CFU/100 mL	200	-	182,051.8
5439500	6/28/2005	37.2	57.37	0.5073	37.15	5007	85.0663%	Fecal		CFU/100 mL	200	-	181,803.5
5439500	8/29/2006	37.2	57.37	0.5073	37.15	5007	85.0663%	Fecal		CFU/100 mL	200	-	181,803.5
5439500	8/12/2002	37.1	57.27	0.5073	37.10	5009	85.1002%	Fecal		CFU/100 mL	200	-	181,555.3
5439500	10/7/2021	37.1	57.27	0.5073	37.10	5009	85.1002%	Fecal		CFU/100 mL	200	-	181,555.3
5439500	10/16/1991	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	8/12/1992	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	8/29/1992	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	10/13/1992	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	10/21/1992	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	9/6/1999	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	9/8/1999	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	9/20/1999	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	8/7/2001	37	57.17	0.5073	37.05	5011	85.1342%	Fecal	200	CFU/100 mL	200	181,307	181,307.0
5439500	8/11/2001	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	8/18/2001	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	9/5/2001	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	9/26/2002	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	8/17/2004	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	7/19/2012	37	57.17	0.5073	37.05	5011	85.1342%	Fecal		CFU/100 mL	200	-	181,307.0
5439500	10/15/2002	36.8	56.97	0.5073	36.95	5026	85.3891%	Fecal		CFU/100 mL	200	-	180,810.5
5439500	8/21/2013	36.7	56.87	0.5073	36.90	5027	85.4060%	Fecal		CFU/100 mL	200	-	180,562.2
5439500	10/31/2002	36.6	56.77	0.5073	36.85	5028	85.4230%	Fecal		CFU/100 mL	200	-	180,314.0
5439500	10/3/2004	36.6	56.77	0.5073	36.85	5028	85.4230%	Fecal		CFU/100 mL	200	-	180,314.0
5439500	10/29/2004	36.6	56.77	0.5073	36.85	5028	85.4230%	Fecal		CFU/100 mL	200	-	180,314.0
5439500	8/25/2008	36.6	56.77	0.5073	36.85	5028	85.4230%	Fecal		CFU/100 mL	200	-	180,314.0
5439500	9/20/2013	36.6	56.77	0.5073	36.85	5028	85.4230%	Fecal		CFU/100 mL	200	-	180,314.0
5439500	10/14/2002	36.5	56.67	0.5073	36.80	5033	85.5080%	Fecal		CFU/100 mL	200	-	180,065.7
5439500	9/4/2004	36.5	56.67	0.5073	36.80	5033	85.5080%	Fecal		CFU/100 mL	200	-	180,065.7
5439500	9/28/2002	36.4	56.57	0.5073	36.74	5035	85.5420%	Fecal		CFU/100 mL	200	-	179,817.5
5439500	7/26/2003	36.3	56.47	0.5073	36.69	5036	85.5590%	Fecal		CFU/100 mL	200	-	179,569.2
5439500	10/20/2013	36.3	56.47	0.5073	36.69	5036	85.5590%	Fecal		CFU/100 mL	200	-	179,569.2
5439500	9/16/2002	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	10/17/2002	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	8/12/2003	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	10/9/2004	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	7/12/2012	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	8/20/2013	36.1	56.27	0.5073	36.59	5038	85.5929%	Fecal		CFU/100 mL	200	-	179,072.7
5439500	10/19/1991	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	7/11/1992	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	10/15/1992	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	10/19/1992	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	7/31/1994	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	10/30/1994	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/15/1995	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/28/1995	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/29/1995	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/11/1997	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	10/14/1997	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/19/1998	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/16/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/17/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/19/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/20/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/21/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/22/1999	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/19/2001	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/17/2002	36	56.17	0.5073	36.54	5044	85.6949%	Fecal	310	CFU/100 mL	200	277,178	178,824.4
5439500	10/16/2002	36	56.17	0.5073	36.54	5044	85.6949%	Fecal	360	CFU/100 mL	200	321,884	178,824.4
5439500	10/23/2002	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	8/16/2004	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	9/15/2016	36	56.17	0.5073	36.54	5044	85.6949%	Fecal		CFU/100 mL	200	-	178,824.4
5439500	7/4/1997	175	195.17	0.1459	36.53	5068	86.1026%	Fecal		CFU/100 mL	200	-	178,756.2
5439500	10/18/2002	35.8	55.97	0.5073	36.44	5069	86.1196%	Fecal		CFU/100 mL	200	-	178,327.9
5439500	10/19/2002	35.8	55.97	0.5073	36.44	5069	86.1196%	Fecal		CFU/100 mL	200	-	178,327.9
5439500	10/6/2021	35.8	55.97	0.5073	36.44	5069	86.1196%	Fecal		CFU/100 mL	200	-	178,327.9
5439500	9/21/2013	35.7	55.87	0.5073	36.39	5072	86.1706%	Fecal		CFU/100 mL	200	-	178,079.7
5439500	10/2/2004	35.6	55.77	0.5073	36.34	5073	86.1876%	Fecal		CFU/100 mL	200	-	177,831.4
5439500	9/6/2013	35.6	55.77	0.5073	36.34	5073	86.1876%	Fecal		CFU/100 mL	200	-	177,831.4
5439500	10/12/2021	35.6	55.77	0.5073	36.34	5073	86.1876%	Fecal		CFU/100 mL	200	-	177,831.4
5439500	9/27/2002	35.5	55.67	0.5073	36.29	5076	86.2385%	Fecal		CFU/100 mL	200	-	177,583.2
5439500	9/29/2002	35.5	55.67	0.5073	36.29	5076	86.2385%	Fecal		CFU/100 mL	200	-	177,583.2
5439500	10/30/2002	35.5	55.67	0.5073	36.29	5076	86.2385%	Fecal		CFU/100 mL	200	-	177,583.2
5439500	9/19/2004	35.5	55.67	0.5073	36.29	5076	86.2385%	Fecal		CFU/100 mL	200	-	177,583.2
5439500	9/6/2004	35.3	55.47	0.5073	36.19	5080	86.3065%	Fecal		CFU/100 mL	200	-	177,086.6
5439500	7/26/2012	35.3	55.47	0.5073	36.19	5080	86.3065%	Fecal		CFU/100 mL	200	-	177,086.6
5439500	10/23/2012	35.3	55.47	0.5073	36.19	5080	86.3065%	Fecal		CFU/100 mL	200	-	177,086.6
5439500	8/14/2016	35.2	55.37	0.5073	36.14	5083	86.3575%	Fecal		CFU/100 mL	200	-	176,838.4
5439500	8/19/2004	35.1	55.27	0.5073	36.09	5084	86.3744%	Fecal		CFU/100 mL	200	-	176,590.1
5439500	10/30/2013	35.1	55.27	0.5073	36.09	5084	86.3744%	Fecal		CFU/100 mL	200	-	176,590.1

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/20/2021	35.1	55.27	0.5073	36.09	5084	86.3744%	Fecal		CFU/100 mL	200	-	176,590.1
5439500	10/22/1992	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	8/2/1994	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/13/1994	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/14/1994	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/17/1995	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	7/31/1997	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	8/5/1997	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/6/1998	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/22/1998	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	8/18/1999	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/15/1999	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	8/10/2004	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	9/5/2004	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	10/28/2004	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	10/7/2013	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	10/26/2013	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	8/15/2018	35	55.17	0.5073	36.03	5087	86.4254%	Fecal		CFU/100 mL	200	-	176,341.9
5439500	10/21/2002	34.9	55.07	0.5073	35.98	5104	86.7142%	Fecal		CFU/100 mL	200	-	176,093.6
5439500	8/7/2006	34.9	55.07	0.5073	35.98	5104	86.7142%	Fecal		CFU/100 mL	200	-	176,093.6
5439500	6/30/2005	34.8	54.97	0.5073	35.93	5106	86.7482%	Fecal		CFU/100 mL	200	-	175,845.4
5439500	9/30/2002	34.6	54.77	0.5073	35.83	5107	86.7652%	Fecal		CFU/100 mL	200	-	175,348.9
5439500	10/4/2004	34.4	54.57	0.5073	35.73	5108	86.7822%	Fecal		CFU/100 mL	200	-	174,852.3
5439500	10/3/2021	34.4	54.57	0.5073	35.73	5108	86.7822%	Fecal		CFU/100 mL	200	-	174,852.3
5439500	7/8/2012	34.3	54.47	0.5073	35.68	5110	86.8162%	Fecal		CFU/100 mL	200	-	174,604.1
5439500	10/13/2012	34.3	54.47	0.5073	35.68	5110	86.8162%	Fecal		CFU/100 mL	200	-	174,604.1
5439500	10/19/2021	34.3	54.47	0.5073	35.68	5110	86.8162%	Fecal		CFU/100 mL	200	-	174,604.1
5439500	9/18/2013	34.2	54.37	0.5073	35.63	5113	86.8671%	Fecal		CFU/100 mL	200	-	174,355.8
5439500	9/19/2013	34.2	54.37	0.5073	35.63	5113	86.8671%	Fecal		CFU/100 mL	200	-	174,355.8
5439500	10/22/2002	34.1	54.27	0.5073	35.58	5115	86.9011%	Fecal		CFU/100 mL	200	-	174,107.6
5439500	7/18/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	7/20/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/13/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/14/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/15/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/17/1991	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/23/1992	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/29/1992	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/1/1994	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/7/1994	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/18/1995	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/1/1997	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/20/1998	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/9/1998	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/22/1999	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/23/1999	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/7/1999	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/9/1999	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/23/1999	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/8/2001	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/21/2001	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	9/13/2001	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/22/2004	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	8/3/2006	34	54.17	0.5073	35.53	5116	86.9181%	Fecal		CFU/100 mL	200	-	173,859.3
5439500	10/20/2004	33.9	54.07	0.5073	35.48	5140	87.3259%	Fecal		CFU/100 mL	200	-	173,611.1
5439500	10/18/2013	33.9	54.07	0.5073	35.48	5140	87.3259%	Fecal		CFU/100 mL	200	-	173,611.1
5439500	8/12/2016	33.9	54.07	0.5073	35.48	5140	87.3259%	Fecal		CFU/100 mL	200	-	173,611.1
5439500	10/23/2021	33.9	54.07	0.5073	35.48	5140	87.3259%	Fecal		CFU/100 mL	200	-	173,611.1
5439500	10/1/2002	33.8	53.97	0.5073	35.43	5144	87.3938%	Fecal		CFU/100 mL	200	-	173,362.8
5439500	7/27/2003	33.8	53.97	0.5073	35.43	5144	87.3938%	Fecal		CFU/100 mL	200	-	173,362.8
5439500	8/24/2004	33.8	53.97	0.5073	35.43	5144	87.3938%	Fecal		CFU/100 mL	200	-	173,362.8
5439500	10/24/2021	33.8	53.97	0.5073	35.43	5144	87.3938%	Fecal		CFU/100 mL	200	-	173,362.8
5439500	8/13/2003	33.6	53.77	0.5073	35.32	5148	87.4618%	Fecal		CFU/100 mL	200	-	172,866.3
5439500	9/7/2004	33.6	53.77	0.5073	35.32	5148	87.4618%	Fecal		CFU/100 mL	200	-	172,866.3
5439500	7/25/2012	33.6	53.77	0.5073	35.32	5148	87.4618%	Fecal		CFU/100 mL	200	-	172,866.3
5439500	8/11/2016	33.6	53.77	0.5073	35.32	5148	87.4618%	Fecal		CFU/100 mL	200	-	172,866.3
5439500	10/8/2013	33.5	53.67	0.5073	35.27	5152	87.5297%	Fecal		CFU/100 mL	200	-	172,618.0
5439500	10/29/2013	33.5	53.67	0.5073	35.27	5152	87.5297%	Fecal		CFU/100 mL	200	-	172,618.0
5439500	10/24/2002	33.4	53.57	0.5073	35.22	5154	87.5637%	Fecal		CFU/100 mL	200	-	172,369.8
5439500	10/17/2004	33.4	53.57	0.5073	35.22	5154	87.5637%	Fecal		CFU/100 mL	200	-	172,369.8
5439500	7/2/2005	33.3	53.47	0.5073	35.17	5156	87.5977%	Fecal		CFU/100 mL	200	-	172,121.5
5439500	7/7/2005	33.3	53.47	0.5073	35.17	5156	87.5977%	Fecal		CFU/100 mL	200	-	172,121.5
5439500	7/16/2012	33.3	53.47	0.5073	35.17	5156	87.5977%	Fecal		CFU/100 mL	200	-	172,121.5
5439500	10/17/2013	33.3	53.47	0.5073	35.17	5156	87.5977%	Fecal		CFU/100 mL	200	-	172,121.5
5439500	8/17/2021	33.3	53.47	0.5073	35.17	5156	87.5977%	Fecal		CFU/100 mL	200	-	172,121.5
5439500	9/27/2006	33.2	53.37	0.5073	35.12	5161	87.6826%	Fecal		CFU/100 mL	200	-	171,873.3
5439500	8/26/2008	33.2	53.37	0.5073	35.12	5161	87.6826%	Fecal		CFU/100 mL	200	-	171,873.3
5439500	10/25/2012	33.2	53.37	0.5073	35.12	5161	87.6826%	Fecal		CFU/100 mL	200	-	171,873.3
5439500	8/12/2018	33.1	53.27	0.5073	35.07	5164	87.7336%	Fecal		CFU/100 mL	200	-	171,625.0
5439500	7/25/1991	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/11/1991	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	10/22/1991	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	10/23/1991	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	7/12/1992	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/15/1992	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	10/28/1992	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/10/1994	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/24/1997	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	9/9/1997	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	10/15/1997	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	10/30/1997	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/21/1998	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/22/1998	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	9/7/1998	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	9/21/1998	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	9/25/1998	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	9/13/1999	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	8/25/2001	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	7/30/2006	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	7/14/2012	33	53.17	0.5073	35.02	5165	87.7506%	Fecal		CFU/100 mL	200	-	171,376.8
5439500	7/22/2012	32.9	53.07	0.5073	34.97	5186	88.1074%	Fecal		CFU/100 mL	200	-	171,128.5
5439500	10/15/2004	32.8	52.97	0.5073	34.92	5187	88.1244%	Fecal		CFU/100 mL	200	-	170,880.2
5439500	8/8/2006	32.8	52.97	0.5073	34.92	5187	88.1244%	Fecal		CFU/100 mL	200	-	170,880.2
5439500	10/1/2004	32.7	52.87	0.5073	34.87	5189	88.1583%	Fecal		CFU/100 mL	200	-	170,632.0
5439500	10/21/2013	32.7	52.87	0.5073	34.87	5189	88.1583%	Fecal		CFU/100 mL	200	-	170,632.0
5439500	10/28/2013	32.7	52.87	0.5073	34.87	5189	88.1583%	Fecal		CFU/100 mL	200	-	170,632.0
5439500	9/16/2016	32.7	52.87	0.5073	34.87	5189	88.1583%	Fecal		CFU/100 mL	200	-	170,632.0
5439500	9/14/2003	32.6	52.77	0.5073	34.82	5193	88.2263%	Fecal		CFU/100 mL	200	-	170,383.7
5439500	8/1/2012	32.6	52.77	0.5073	34.82	5193	88.2263%	Fecal		CFU/100 mL	200	-	170,383.7
5439500	10/15/2013	32.6	52.77	0.5073	34.82	5193	88.2263%	Fecal		CFU/100 mL	200	-	170,383.7
5439500	10/18/2004	32.5	52.67	0.5073	34.77	5196	88.2773%	Fecal		CFU/100 mL	200	-	170,135.5
5439500	7/15/2012	32.5	52.67	0.5073	34.77	5196	88.2773%	Fecal		CFU/100 mL	200	-	170,135.5
5439500	9/7/2013	32.4	52.57	0.5073	34.72	5198	88.3112%	Fecal		CFU/100 mL	200	-	169,887.2

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	10/22/2012	32.3	52.47	0.5073	34.66	5199	88.3282%	Fecal		CFU/100 mL	200	-	169,639.0
5439500	10/3/2013	32.3	52.47	0.5073	34.66	5199	88.3282%	Fecal		CFU/100 mL	200	-	169,639.0
5439500	9/22/2013	32.2	52.37	0.5073	34.61	5201	88.3622%	Fecal		CFU/100 mL	200	-	169,390.7
5439500	10/22/2004	32.1	52.27	0.5073	34.56	5202	88.3792%	Fecal		CFU/100 mL	200	-	169,142.5
5439500	8/16/1992	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	10/20/1992	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	10/24/1992	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/15/1994	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/2/1997	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/4/1997	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/26/1997	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/23/1998	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/26/1998	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/10/1999	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/16/1999	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/22/2001	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/24/2001	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/28/2001	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	8/14/2005	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/15/2013	32	52.17	0.5073	34.51	5203	88.3962%	Fecal		CFU/100 mL	200	-	168,894.2
5439500	9/8/2004	31.9	52.07	0.5073	34.46	5219	88.6680%	Fecal		CFU/100 mL	200	-	168,645.9
5439500	9/20/2004	31.8	51.97	0.5073	34.41	5220	88.6850%	Fecal		CFU/100 mL	200	-	168,397.7
5439500	10/27/2013	31.8	51.97	0.5073	34.41	5220	88.6850%	Fecal		CFU/100 mL	200	-	168,397.7
5439500	9/17/2016	31.8	51.97	0.5073	34.41	5220	88.6850%	Fecal		CFU/100 mL	200	-	168,397.7
5439500	10/16/2004	31.7	51.87	0.5073	34.36	5223	88.7360%	Fecal		CFU/100 mL	200	-	168,149.4
5439500	10/21/2004	31.6	51.77	0.5073	34.31	5224	88.7530%	Fecal		CFU/100 mL	200	-	167,901.2
5439500	7/1/2005	31.6	51.77	0.5073	34.31	5224	88.7530%	Fecal		CFU/100 mL	200	-	167,901.2
5439500	10/13/2013	31.5	51.67	0.5073	34.26	5226	88.7870%	Fecal		CFU/100 mL	200	-	167,652.9
5439500	9/18/2016	31.4	51.57	0.5073	34.21	5227	88.8039%	Fecal		CFU/100 mL	200	-	167,404.7
5439500	8/27/2008	31.3	51.47	0.5073	34.16	5228	88.8209%	Fecal		CFU/100 mL	200	-	167,156.4
5439500	8/18/2021	31.3	51.47	0.5073	34.16	5228	88.8209%	Fecal		CFU/100 mL	200	-	167,156.4
5439500	10/5/2004	31.2	51.37	0.5073	34.11	5230	88.8549%	Fecal		CFU/100 mL	200	-	166,908.1
5439500	10/16/2013	31.2	51.37	0.5073	34.11	5230	88.8549%	Fecal		CFU/100 mL	200	-	166,908.1
5439500	7/31/2003	31.1	51.27	0.5073	34.06	5232	88.8889%	Fecal		CFU/100 mL	200	-	166,659.9
5439500	10/19/2004	31.1	51.27	0.5073	34.06	5232	88.8889%	Fecal		CFU/100 mL	200	-	166,659.9
5439500	9/20/2016	31.1	51.27	0.5073	34.06	5232	88.8889%	Fecal		CFU/100 mL	200	-	166,659.9
5439500	7/21/1994	158	178.17	0.1459	34.05	5235	88.9399%	Fecal		CFU/100 mL	200	-	166,615.5
5439500	7/19/1991	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	7/29/1991	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	10/30/1992	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	8/8/1994	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/16/1994	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/22/1994	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	8/3/1997	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	10/27/1997	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	8/23/1998	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/24/1998	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/30/1998	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/11/1999	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/19/1999	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	7/23/2005	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	9/8/2013	31	51.17	0.5073	34.01	5236	88.9568%	Fecal		CFU/100 mL	200	-	166,411.6
5439500	7/13/2012	30.9	51.07	0.5073	33.95	5251	89.2117%	Fecal		CFU/100 mL	200	-	166,163.4
5439500	10/25/2013	30.9	51.07	0.5073	33.95	5251	89.2117%	Fecal		CFU/100 mL	200	-	166,163.4
5439500	9/9/2004	30.8	50.97	0.5073	33.90	5253	89.2457%	Fecal		CFU/100 mL	200	-	165,915.1
5439500	8/14/2003	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	9/10/2004	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	9/22/2004	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	10/6/2004	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	8/23/2005	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	8/28/2006	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	9/19/2012	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	10/11/2012	30.7	50.87	0.5073	33.85	5254	89.2627%	Fecal		CFU/100 mL	200	-	165,666.9
5439500	9/29/2004	30.6	50.77	0.5073	33.80	5262	89.3986%	Fecal		CFU/100 mL	200	-	165,418.6
5439500	10/2/2013	30.6	50.77	0.5073	33.80	5262	89.3986%	Fecal		CFU/100 mL	200	-	165,418.6
5439500	8/20/2021	30.6	50.77	0.5073	33.80	5262	89.3986%	Fecal		CFU/100 mL	200	-	165,418.6
5439500	9/24/2004	30.5	50.67	0.5073	33.75	5265	89.4495%	Fecal		CFU/100 mL	200	-	165,170.4
5439500	9/23/2013	30.5	50.67	0.5073	33.75	5265	89.4495%	Fecal		CFU/100 mL	200	-	165,170.4
5439500	10/9/2013	30.5	50.67	0.5073	33.75	5265	89.4495%	Fecal		CFU/100 mL	200	-	165,170.4
5439500	7/29/2003	30.4	50.57	0.5073	33.70	5268	89.5005%	Fecal		CFU/100 mL	200	-	164,922.1
5439500	7/28/2005	30.4	50.57	0.5073	33.70	5268	89.5005%	Fecal		CFU/100 mL	200	-	164,922.1
5439500	8/31/2008	30.4	50.57	0.5073	33.70	5268	89.5005%	Fecal		CFU/100 mL	200	-	164,922.1
5439500	7/18/2012	30.4	50.57	0.5073	33.70	5268	89.5005%	Fecal		CFU/100 mL	200	-	164,922.1
5439500	10/1/2013	30.4	50.57	0.5073	33.70	5268	89.5005%	Fecal		CFU/100 mL	200	-	164,922.1
5439500	8/30/2008	30.3	50.47	0.5073	33.65	5273	89.5855%	Fecal		CFU/100 mL	200	-	164,673.8
5439500	7/17/2012	30.3	50.47	0.5073	33.65	5273	89.5855%	Fecal		CFU/100 mL	200	-	164,673.8
5439500	7/27/2012	30.3	50.47	0.5073	33.65	5273	89.5855%	Fecal		CFU/100 mL	200	-	164,673.8
5439500	9/23/2004	30.2	50.37	0.5073	33.60	5276	89.6364%	Fecal		CFU/100 mL	200	-	164,425.6
5439500	10/11/2004	30.2	50.37	0.5073	33.60	5276	89.6364%	Fecal		CFU/100 mL	200	-	164,425.6
5439500	8/28/2013	30.2	50.37	0.5073	33.60	5276	89.6364%	Fecal		CFU/100 mL	200	-	164,425.6
5439500	9/29/2013	30.2	50.37	0.5073	33.60	5276	89.6364%	Fecal		CFU/100 mL	200	-	164,425.6
5439500	7/28/2003	30.1	50.27	0.5073	33.55	5280	89.7044%	Fecal		CFU/100 mL	200	-	164,177.3
5439500	8/28/2008	30.1	50.27	0.5073	33.55	5280	89.7044%	Fecal		CFU/100 mL	200	-	164,177.3
5439500	9/9/2013	30.1	50.27	0.5073	33.55	5280	89.7044%	Fecal		CFU/100 mL	200	-	164,177.3
5439500	7/21/1991	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/17/1991	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	10/18/1991	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/17/1994	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/21/1994	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/7/1997	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/25/1997	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/8/1998	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/10/1998	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/27/1998	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/12/1999	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/17/1999	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/18/1999	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/24/1999	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/12/2001	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/16/2001	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/4/2001	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/6/2001	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/21/2004	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	10/14/2004	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	7/22/2005	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/2/2012	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	8/19/2021	30	50.17	0.5073	33.50	5283	89.7554%	Fecal		CFU/100 mL	200	-	163,929.1
5439500	9/28/2004	29.9	50.07	0.5073	33.45	5306	90.1461%	Fecal		CFU/100 mL	200	-	163,680.8
5439500	9/30/2004	29.9	50.07	0.5073	33.45	5306	90.1461%	Fecal		CFU/100 mL	200	-	163,680.8
5439500	10/8/2004	29.9	50.07	0.5073	33.45	5306	90.1461%	Fecal		CFU/100 mL	200	-	163,680.8
5439500	9/25/2004	29.8	49.97	0.5073	33.40	5309	90.1971%	Fecal		CFU/100 mL	200	-	163,432.6
5439500	8/29/2008	29.8	49.97	0.5073	33.40	5309	90.1971%	Fecal		CFU/100 mL	200	-	163,432.6
5439500	9/11/2004	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/15/2004	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3
5439500	10/22/2013	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3
5439500	8/13/2018	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3
5439500	8/14/2018	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3
5439500	8/29/2021	29.7	49.87	0.5073	33.35	5311	90.2311%	Fecal		CFU/100 mL	200	-	163,184.3
5439500	7/4/2005	29.6	49.77	0.5073	33.30	5317	90.3330%	Fecal		CFU/100 mL	200	-	162,936.1
5439500	10/17/2012	29.6	49.77	0.5073	33.30	5317	90.3330%	Fecal		CFU/100 mL	200	-	162,936.1
5439500	9/12/2004	29.5	49.67	0.5073	33.24	5319	90.3670%	Fecal		CFU/100 mL	200	-	162,687.8
5439500	7/24/2012	29.5	49.67	0.5073	33.24	5319	90.3670%	Fecal		CFU/100 mL	200	-	162,687.8
5439500	10/23/2013	29.5	49.67	0.5073	33.24	5319	90.3670%	Fecal		CFU/100 mL	200	-	162,687.8
5439500	10/24/2013	29.5	49.67	0.5073	33.24	5319	90.3670%	Fecal		CFU/100 mL	200	-	162,687.8
5439500	10/7/2004	29.4	49.57	0.5073	33.19	5323	90.4349%	Fecal		CFU/100 mL	200	-	162,439.5
5439500	8/15/2016	29.3	49.47	0.5073	33.14	5324	90.4519%	Fecal		CFU/100 mL	200	-	162,191.3
5439500	8/28/2021	29.3	49.47	0.5073	33.14	5324	90.4519%	Fecal		CFU/100 mL	200	-	162,191.3
5439500	10/10/2013	29.2	49.37	0.5073	33.09	5326	90.4859%	Fecal		CFU/100 mL	200	-	161,943.0
5439500	9/30/2013	29.1	49.27	0.5073	33.04	5327	90.5029%	Fecal		CFU/100 mL	200	-	161,694.8
5439500	8/18/1992	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	10/25/1992	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/18/1994	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/27/1997	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/28/1997	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/12/1998	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/25/1999	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/26/1999	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/9/2001	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/10/2001	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/29/2001	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/14/2001	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/18/2001	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	8/15/2003	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	7/31/2006	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/15/2006	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	9/24/2013	29	49.17	0.5073	32.99	5328	90.5199%	Fecal		CFU/100 mL	200	-	161,446.5
5439500	7/30/2003	28.9	49.07	0.5073	32.94	5345	90.8087%	Fecal		CFU/100 mL	200	-	161,198.3
5439500	10/13/2004	28.8	48.97	0.5073	32.89	5346	90.8257%	Fecal		CFU/100 mL	200	-	160,950.0
5439500	8/1/2006	28.8	48.97	0.5073	32.89	5346	90.8257%	Fecal		CFU/100 mL	200	-	160,950.0
5439500	7/23/2012	28.8	48.97	0.5073	32.89	5346	90.8257%	Fecal		CFU/100 mL	200	-	160,950.0
5439500	9/28/2006	28.7	48.87	0.5073	32.84	5349	90.8767%	Fecal		CFU/100 mL	200	-	160,701.7
5439500	7/28/2012	28.7	48.87	0.5073	32.84	5349	90.8767%	Fecal		CFU/100 mL	200	-	160,701.7
5439500	10/12/2004	28.6	48.77	0.5073	32.79	5351	90.9106%	Fecal		CFU/100 mL	200	-	160,453.5
5439500	10/10/2012	28.6	48.77	0.5073	32.79	5351	90.9106%	Fecal		CFU/100 mL	200	-	160,453.5
5439500	8/20/2018	28.6	48.77	0.5073	32.79	5351	90.9106%	Fecal		CFU/100 mL	200	-	160,453.5
5439500	9/27/2004	28.5	48.67	0.5073	32.74	5354	90.9616%	Fecal		CFU/100 mL	200	-	160,205.2
5439500	9/10/2013	28.5	48.67	0.5073	32.74	5354	90.9616%	Fecal		CFU/100 mL	200	-	160,205.2
5439500	9/19/2016	28.5	48.67	0.5073	32.74	5354	90.9616%	Fecal		CFU/100 mL	200	-	160,205.2
5439500	8/21/2021	28.5	48.67	0.5073	32.74	5354	90.9616%	Fecal		CFU/100 mL	200	-	160,205.2
5439500	10/5/2012	28.4	48.57	0.5073	32.69	5358	91.0296%	Fecal		CFU/100 mL	200	-	159,957.0
5439500	8/30/2013	28.4	48.57	0.5073	32.69	5358	91.0296%	Fecal		CFU/100 mL	200	-	159,957.0
5439500	9/14/2004	28.3	48.47	0.5073	32.64	5360	91.0635%	Fecal	410	CFU/100 mL	200	327,403	159,708.7
5439500	7/3/2005	28.3	48.47	0.5073	32.64	5360	91.0635%	Fecal		CFU/100 mL	200	-	159,708.7
5439500	9/26/2004	28.2	48.37	0.5073	32.58	5362	91.0975%	Fecal		CFU/100 mL	200	-	159,460.5
5439500	10/11/2013	28.2	48.37	0.5073	32.58	5362	91.0975%	Fecal		CFU/100 mL	200	-	159,460.5
5439500	10/12/2013	28.2	48.37	0.5073	32.58	5362	91.0975%	Fecal		CFU/100 mL	200	-	159,460.5
5439500	9/23/2021	28.1	48.27	0.5073	32.53	5365	91.1485%	Fecal		CFU/100 mL	200	-	159,212.2
5439500	8/17/1991	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	10/31/1992	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	8/9/1994	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/19/1994	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	8/30/1997	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	8/31/1997	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/29/1998	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/15/2001	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/20/2006	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/21/2006	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/7/2012	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	10/26/2012	28	48.17	0.5073	32.48	5366	91.1655%	Fecal		CFU/100 mL	200	-	158,964.0
5439500	9/1/2008	27.9	48.07	0.5073	32.43	5378	91.3694%	Fecal		CFU/100 mL	200	-	158,715.7
5439500	9/5/2021	27.9	48.07	0.5073	32.43	5378	91.3694%	Fecal		CFU/100 mL	200	-	158,715.7
5439500	8/27/2006	27.8	47.97	0.5073	32.38	5380	91.4033%	Fecal		CFU/100 mL	200	-	158,467.4
5439500	9/25/2013	27.8	47.97	0.5073	32.38	5380	91.4033%	Fecal		CFU/100 mL	200	-	158,467.4
5439500	9/26/2013	27.6	47.77	0.5073	32.28	5382	91.4373%	Fecal		CFU/100 mL	200	-	157,970.9
5439500	7/8/2005	27.5	47.67	0.5073	32.23	5383	91.4543%	Fecal		CFU/100 mL	200	-	157,722.7
5439500	8/26/2018	27.5	47.67	0.5073	32.23	5383	91.4543%	Fecal		CFU/100 mL	200	-	157,722.7
5439500	9/13/2004	27.4	47.57	0.5073	32.18	5385	91.4883%	Fecal		CFU/100 mL	200	-	157,474.4
5439500	8/9/2006	27.4	47.57	0.5073	32.18	5385	91.4883%	Fecal		CFU/100 mL	200	-	157,474.4
5439500	8/30/2021	27.4	47.57	0.5073	32.18	5385	91.4883%	Fecal		CFU/100 mL	200	-	157,474.4
5439500	9/27/2013	27.3	47.47	0.5073	32.13	5388	91.5392%	Fecal		CFU/100 mL	200	-	157,226.2
5439500	10/9/2012	27.2	47.37	0.5073	32.08	5389	91.5562%	Fecal		CFU/100 mL	200	-	156,977.9
5439500	8/29/2013	27.2	47.37	0.5073	32.08	5389	91.5562%	Fecal		CFU/100 mL	200	-	156,977.9
5439500	7/26/1991	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	7/30/1991	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/6/1991	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	8/17/1992	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	8/30/1992	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/20/1994	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	8/9/1997	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/1/1997	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/11/1998	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/16/2001	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/17/2001	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/8/2006	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/17/2006	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/18/2006	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	9/19/2006	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	8/27/2021	27	47.17	0.5073	31.98	5391	91.5902%	Fecal		CFU/100 mL	200	-	156,481.4
5439500	8/16/2003	26.9	47.07	0.5073	31.93	5407	91.8620%	Fecal		CFU/100 mL	200	-	156,233.1
5439500	7/29/2012	26.9	47.07	0.5073	31.93	5407	91.8620%	Fecal		CFU/100 mL	200	-	156,233.1
5439500	7/30/2012	26.9	47.07	0.5073	31.93	5407	91.8620%	Fecal		CFU/100 mL	200	-	156,233.1
5439500	9/11/2013	26.9	47.07	0.5073	31.93	5407	91.8620%	Fecal		CFU/100 mL	200	-	156,233.1
5439500	8/31/2006	26.8	46.97	0.5073	31.87	5411	91.9300%	Fecal		CFU/100 mL	200	-	155,984.9
5439500	8/16/2016	26.8	46.97	0.5073	31.87	5411	91.9300%	Fecal		CFU/100 mL	200	-	155,984.9
5439500	8/22/2021	26.8	46.97	0.5073	31.87	5411	91.9300%	Fecal		CFU/100 mL	200	-	155,984.9
5439500	9/28/2013	26.7	46.87	0.5073	31.82	5414	91.9810%	Fecal		CFU/100 mL	200	-	155,736.6
5439500	8/10/2006	26.6	46.77	0.5073	31.77	5415	91.9980%	Fecal		CFU/100 mL	200	-	155,488.4
5439500	9/4/2006	26.6	46.77	0.5073	31.77	5415	91.9980%	Fecal		CFU/100 mL	200	-	155,488.4
5439500	9/1/2021	26.6	46.77	0.5073	31.77	5415	91.9980%	Fecal		CFU/100 mL	200	-	155,488.4
5439500	8/2/2006	26.5	46.67	0.5073	31.72	5418	92.0489%	Fecal		CFU/100 mL	200	-	155,240.1
5439500	9/2/2008	26.4	46.57	0.5073	31.67	5419	92.0659%	Fecal		CFU/100 mL	200	-	154,991.9
5439500	8/6/2012	26.4	46.57	0.5073	31.67	5419	92.0659%	Fecal		CFU/100 mL	200	-	154,991.9
5439500	8/31/2021	26.4	46.57	0.5073	31.67	5419	92.0659%	Fecal		CFU/100 mL	200	-	154,991.9
5439500	8/23/2021	26.3	46.47	0.5073	31.62	5422	92.1169%	Fecal		CFU/100 mL	200	-	154,743.6
5439500	9/6/2021	26.3	46.47	0.5073	31.62	5422	92.1169%	Fecal		CFU/100 mL	200	-	154,743.6
5439500	9/28/2021	26.3	46.47	0.5073	31.62	5422	92.1169%	Fecal		CFU/100 mL	200	-	154,743.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/22/2006	26.2	46.37	0.5073	31.57	5425	92.1679%	Fecal		CFU/100 mL	200	-	154,495.3
5439500	10/28/2012	26.2	46.37	0.5073	31.57	5425	92.1679%	Fecal		CFU/100 mL	200	-	154,495.3
5439500	7/27/1991	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/12/1991	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/25/1992	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	10/26/1992	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/10/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/29/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	9/2/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	9/10/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	10/26/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	10/31/1997	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/13/2001	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	8/30/2001	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	10/8/2012	26	46.17	0.5073	31.47	5427	92.2018%	Fecal		CFU/100 mL	200	-	153,998.8
5439500	9/12/2013	25.9	46.07	0.5073	31.42	5440	92.4227%	Fecal		CFU/100 mL	200	-	153,750.6
5439500	9/4/2021	25.9	46.07	0.5073	31.42	5440	92.4227%	Fecal		CFU/100 mL	200	-	153,750.6
5439500	8/11/2006	25.8	45.97	0.5073	31.37	5442	92.4567%	Fecal		CFU/100 mL	200	-	153,502.3
5439500	8/15/2012	25.8	45.97	0.5073	31.37	5442	92.4567%	Fecal		CFU/100 mL	200	-	153,502.3
5439500	10/27/2012	25.8	45.97	0.5073	31.37	5442	92.4567%	Fecal		CFU/100 mL	200	-	153,502.3
5439500	9/3/2008	25.7	45.87	0.5073	31.32	5445	92.5076%	Fecal		CFU/100 mL	200	-	153,254.1
5439500	8/25/2021	25.7	45.87	0.5073	31.32	5445	92.5076%	Fecal		CFU/100 mL	200	-	153,254.1
5439500	9/22/2021	25.7	45.87	0.5073	31.32	5445	92.5076%	Fecal		CFU/100 mL	200	-	153,254.1
5439500	9/29/2006	25.6	45.77	0.5073	31.27	5448	92.5586%	Fecal		CFU/100 mL	200	-	153,005.8
5439500	9/7/2021	25.6	45.77	0.5073	31.27	5448	92.5586%	Fecal		CFU/100 mL	200	-	153,005.8
5439500	9/30/2006	25.4	45.57	0.5073	31.16	5450	92.5926%	Fecal		CFU/100 mL	200	-	152,509.3
5439500	8/24/2021	25.4	45.57	0.5073	31.16	5450	92.5926%	Fecal		CFU/100 mL	200	-	152,509.3
5439500	8/17/2003	25.3	45.47	0.5073	31.11	5452	92.6266%	Fecal		CFU/100 mL	200	-	152,261.0
5439500	9/28/2003	25.3	45.47	0.5073	31.11	5452	92.6266%	Fecal		CFU/100 mL	200	-	152,261.0
5439500	9/3/2021	25.3	45.47	0.5073	31.11	5452	92.6266%	Fecal		CFU/100 mL	200	-	152,261.0
5439500	8/7/2012	25.2	45.37	0.5073	31.06	5455	92.6775%	Fecal		CFU/100 mL	200	-	152,012.8
5439500	9/2/2021	25.2	45.37	0.5073	31.06	5455	92.6775%	Fecal		CFU/100 mL	200	-	152,012.8
5439500	8/16/2012	25.1	45.27	0.5073	31.01	5457	92.7115%	Fecal		CFU/100 mL	200	-	151,764.5
5439500	9/20/2012	25.1	45.27	0.5073	31.01	5457	92.7115%	Fecal		CFU/100 mL	200	-	151,764.5
5439500	9/18/1991	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/19/1992	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/1/1992	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	10/27/1992	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/8/1997	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/17/1997	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/28/1998	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/14/2001	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/15/2001	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/31/2001	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/16/2006	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/23/2006	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	10/2/2006	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/14/2013	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	9/27/2021	25	45.17	0.5073	30.96	5459	92.7455%	Fecal		CFU/100 mL	200	-	151,516.3
5439500	8/18/2012	24.7	44.87	0.5073	30.81	5474	93.0003%	Fecal		CFU/100 mL	200	-	150,771.5
5439500	9/6/2012	24.7	44.87	0.5073	30.81	5474	93.0003%	Fecal		CFU/100 mL	200	-	150,771.5
5439500	9/13/2013	24.7	44.87	0.5073	30.81	5474	93.0003%	Fecal		CFU/100 mL	200	-	150,771.5
5439500	8/25/2006	24.6	44.77	0.5073	30.76	5477	93.0513%	Fecal		CFU/100 mL	200	-	150,523.3
5439500	7/9/2005	24.5	44.67	0.5073	30.71	5478	93.0683%	Fecal		CFU/100 mL	200	-	150,275.0
5439500	8/19/2005	24.5	44.67	0.5073	30.71	5478	93.0683%	Fecal		CFU/100 mL	200	-	150,275.0
5439500	9/12/2021	24.5	44.67	0.5073	30.71	5478	93.0683%	Fecal		CFU/100 mL	200	-	150,275.0
5439500	8/18/1993	135	155.17	0.1459	30.69	5481	93.1193%	Fecal		CFU/100 mL	200	-	150,189.9
5439500	7/31/2012	24.4	44.57	0.5073	30.66	5482	93.1363%	Fecal		CFU/100 mL	200	-	150,026.7
5439500	9/25/2021	24.4	44.57	0.5073	30.66	5482	93.1363%	Fecal		CFU/100 mL	200	-	150,026.7
5439500	7/27/2005	24.3	44.47	0.5073	30.61	5484	93.1702%	Fecal		CFU/100 mL	200	-	149,778.5
5439500	10/29/2012	24.3	44.47	0.5073	30.61	5484	93.1702%	Fecal		CFU/100 mL	200	-	149,778.5
5439500	8/26/2021	24.3	44.47	0.5073	30.61	5484	93.1702%	Fecal		CFU/100 mL	200	-	149,778.5
5439500	9/24/2021	24.3	44.47	0.5073	30.61	5484	93.1702%	Fecal		CFU/100 mL	200	-	149,778.5
5439500	8/12/2006	24.2	44.37	0.5073	30.56	5488	93.2382%	Fecal		CFU/100 mL	200	-	149,530.2
5439500	8/21/2006	24.2	44.37	0.5073	30.56	5488	93.2382%	Fecal		CFU/100 mL	200	-	149,530.2
5439500	9/9/2021	24.2	44.37	0.5073	30.56	5488	93.2382%	Fecal		CFU/100 mL	200	-	149,530.2
5439500	9/3/2003	24.1	44.27	0.5073	30.50	5491	93.2892%	Fecal		CFU/100 mL	200	-	149,282.0
5439500	10/27/2003	24.1	44.27	0.5073	30.50	5491	93.2892%	Fecal		CFU/100 mL	200	-	149,282.0
5439500	8/17/2016	24.1	44.27	0.5073	30.50	5491	93.2892%	Fecal		CFU/100 mL	200	-	149,282.0
5439500	7/28/1991	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	8/15/1991	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	9/2/1992	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	9/3/1997	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	10/16/1997	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	9/13/1998	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	7/24/2005	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	10/7/2012	24	44.17	0.5073	30.45	5494	93.3401%	Fecal		CFU/100 mL	200	-	149,033.7
5439500	8/19/2003	23.9	44.07	0.5073	30.40	5502	93.4760%	Fecal		CFU/100 mL	200	-	148,785.5
5439500	9/8/2021	23.9	44.07	0.5073	30.40	5502	93.4760%	Fecal		CFU/100 mL	200	-	148,785.5
5439500	9/15/2003	23.8	43.97	0.5073	30.35	5504	93.5100%	Fecal		CFU/100 mL	200	-	148,537.2
5439500	10/1/2006	23.8	43.97	0.5073	30.35	5504	93.5100%	Fecal		CFU/100 mL	200	-	148,537.2
5439500	10/30/2012	23.8	43.97	0.5073	30.35	5504	93.5100%	Fecal		CFU/100 mL	200	-	148,537.2
5439500	8/11/2012	23.7	43.87	0.5073	30.30	5507	93.5610%	Fecal		CFU/100 mL	200	-	148,288.9
5439500	10/31/2012	23.7	43.87	0.5073	30.30	5507	93.5610%	Fecal		CFU/100 mL	200	-	148,288.9
5439500	9/26/2021	23.7	43.87	0.5073	30.30	5507	93.5610%	Fecal		CFU/100 mL	200	-	148,288.9
5439500	9/11/2021	23.6	43.77	0.5073	30.25	5510	93.6120%	Fecal		CFU/100 mL	200	-	148,040.7
5439500	9/13/2021	23.6	43.77	0.5073	30.25	5510	93.6120%	Fecal		CFU/100 mL	200	-	148,040.7
5439500	8/20/2006	23.5	43.67	0.5073	30.20	5512	93.6459%	Fecal		CFU/100 mL	200	-	147,792.4
5439500	9/29/2021	23.5	43.67	0.5073	30.20	5512	93.6459%	Fecal		CFU/100 mL	200	-	147,792.4
5439500	8/9/2012	23.4	43.57	0.5073	30.15	5514	93.6799%	Fecal		CFU/100 mL	200	-	147,544.2
5439500	10/2/2021	23.4	43.57	0.5073	30.15	5514	93.6799%	Fecal		CFU/100 mL	200	-	147,544.2
5439500	8/18/2003	23.2	43.37	0.5073	30.05	5516	93.7139%	Fecal		CFU/100 mL	200	-	147,047.7
5439500	10/17/2003	23.2	43.37	0.5073	30.05	5516	93.7139%	Fecal		CFU/100 mL	200	-	147,047.7
5439500	10/6/2012	23.2	43.37	0.5073	30.05	5516	93.7139%	Fecal		CFU/100 mL	200	-	147,047.7
5439500	9/10/2021	23.2	43.37	0.5073	30.05	5516	93.7139%	Fecal		CFU/100 mL	200	-	147,047.7
5439500	9/30/2021	23.2	43.37	0.5073	30.05	5516	93.7139%	Fecal		CFU/100 mL	200	-	147,047.7
5439500	8/24/2005	23.1	43.27	0.5073	30.00	5521	93.7988%	Fecal		CFU/100 mL	200	-	146,799.4
5439500	9/10/2006	23.1	43.27	0.5073	30.00	5521	93.7988%	Fecal		CFU/100 mL	200	-	146,799.4
5439500	7/31/1991	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	8/7/1991	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	8/13/1991	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/19/1991	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/3/1992	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/4/1997	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	10/13/1997	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	10/25/1997	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/1/2001	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/2/2001	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	9/3/2001	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	7/13/2005	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	10/4/2012	23	43.17	0.5073	29.95	5523	93.8328%	Fecal		CFU/100 mL	200	-	146,551.2
5439500	7/29/2005	22.8	42.97	0.5073	29.85	5536	94.0537%	Fecal		CFU/100 mL	200	-	146,054.6
5439500	8/18/2016	22.8	42.97	0.5073	29.85	5536	94.0537%	Fecal		CFU/100 mL	200	-	146,054.6

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	8/24/2003	22.7	42.87	0.5073	29.79	5538	94.0877%	Fecal		CFU/100 mL	200	-	145,806.4
5439500	7/14/2005	22.7	42.87	0.5073	29.79	5538	94.0877%	Fecal		CFU/100 mL	200	-	145,806.4
5439500	10/1/2021	22.7	42.87	0.5073	29.79	5538	94.0877%	Fecal		CFU/100 mL	200	-	145,806.4
5439500	8/26/2003	22.6	42.77	0.5073	29.74	5541	94.1386%	Fecal		CFU/100 mL	200	-	145,558.1
5439500	9/26/2005	22.6	42.77	0.5073	29.74	5541	94.1386%	Fecal		CFU/100 mL	200	-	145,558.1
5439500	8/20/2003	22.5	42.67	0.5073	29.69	5543	94.1726%	Fecal		CFU/100 mL	200	-	145,309.9
5439500	8/14/2012	22.5	42.67	0.5073	29.69	5543	94.1726%	Fecal		CFU/100 mL	200	-	145,309.9
5439500	7/12/2005	22.4	42.57	0.5073	29.64	5545	94.2066%	Fecal		CFU/100 mL	200	-	145,061.6
5439500	9/15/2021	22.4	42.57	0.5073	29.64	5545	94.2066%	Fecal		CFU/100 mL	200	-	145,061.6
5439500	9/13/2003	22.3	42.47	0.5073	29.59	5547	94.2406%	Fecal		CFU/100 mL	200	-	144,813.4
5439500	8/15/2006	22.3	42.47	0.5073	29.59	5547	94.2406%	Fecal		CFU/100 mL	200	-	144,813.4
5439500	8/22/2006	22.3	42.47	0.5073	29.59	5547	94.2406%	Fecal		CFU/100 mL	200	-	144,813.4
5439500	8/10/2012	22.3	42.47	0.5073	29.59	5547	94.2406%	Fecal		CFU/100 mL	200	-	144,813.4
5439500	9/14/2021	22.1	42.27	0.5073	29.49	5551	94.3085%	Fecal		CFU/100 mL	200	-	144,316.9
5439500	8/1/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	8/6/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	8/18/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/3/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/7/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/10/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/21/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/23/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/24/1991	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	8/31/1992	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/4/1992	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/5/1997	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/7/1997	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	9/25/1997	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	10/21/2003	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	7/10/2005	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	8/13/2006	22	42.17	0.5073	29.44	5552	94.3255%	Fecal		CFU/100 mL	200	-	144,068.6
5439500	8/27/2003	21.9	42.07	0.5073	29.39	5569	94.6143%	Fecal		CFU/100 mL	200	-	143,820.3
5439500	8/8/2012	21.9	42.07	0.5073	29.39	5569	94.6143%	Fecal		CFU/100 mL	200	-	143,820.3
5439500	9/24/2003	21.8	41.97	0.5073	29.34	5571	94.6483%	Fecal		CFU/100 mL	200	-	143,572.1
5439500	9/21/2021	21.7	41.87	0.5073	29.29	5572	94.6653%	Fecal		CFU/100 mL	200	-	143,323.8
5439500	8/19/2012	21.6	41.77	0.5073	29.24	5573	94.6823%	Fecal		CFU/100 mL	200	-	143,075.6
5439500	8/15/2005	21.5	41.67	0.5073	29.19	5574	94.6993%	Fecal		CFU/100 mL	200	-	142,827.3
5439500	9/1/2006	21.5	41.67	0.5073	29.19	5574	94.6993%	Fecal		CFU/100 mL	200	-	142,827.3
5439500	8/13/2012	21.5	41.67	0.5073	29.19	5574	94.6993%	Fecal		CFU/100 mL	200	-	142,827.3
5439500	8/21/2003	21.4	41.57	0.5073	29.14	5577	94.7503%	Fecal		CFU/100 mL	200	-	142,579.1
5439500	8/14/2006	21.4	41.57	0.5073	29.14	5577	94.7503%	Fecal		CFU/100 mL	200	-	142,579.1
5439500	8/3/2012	21.4	41.57	0.5073	29.14	5577	94.7503%	Fecal		CFU/100 mL	200	-	142,579.1
5439500	8/4/2012	21.4	41.57	0.5073	29.14	5577	94.7503%	Fecal		CFU/100 mL	200	-	142,579.1
5439500	8/19/2006	21.3	41.47	0.5073	29.08	5581	94.8182%	Fecal		CFU/100 mL	200	-	142,330.8
5439500	8/5/2012	21.3	41.47	0.5073	29.08	5581	94.8182%	Fecal		CFU/100 mL	200	-	142,330.8
5439500	9/16/2003	21.2	41.37	0.5073	29.03	5583	94.8522%	Fecal		CFU/100 mL	200	-	142,082.5
5439500	9/29/2003	21.2	41.37	0.5073	29.03	5583	94.8522%	Fecal		CFU/100 mL	200	-	142,082.5
5439500	7/16/2005	21.2	41.37	0.5073	29.03	5583	94.8522%	Fecal		CFU/100 mL	200	-	142,082.5
5439500	7/11/2005	21.1	41.27	0.5073	28.98	5586	94.9032%	Fecal		CFU/100 mL	200	-	141,834.3
5439500	8/3/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	8/5/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	8/14/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/20/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/26/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/29/1991	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	8/21/1992	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/5/1992	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/6/1992	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/8/1997	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	9/23/1997	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	10/9/1997	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	10/11/1997	21	41.17	0.5073	28.93	5587	94.9201%	Fecal		CFU/100 mL	200	-	141,586.0
5439500	7/25/2005	20.9	41.07	0.5073	28.88	5600	95.1410%	Fecal		CFU/100 mL	200	-	141,337.8
5439500	8/12/2005	20.9	41.07	0.5073	28.88	5600	95.1410%	Fecal		CFU/100 mL	200	-	141,337.8
5439500	9/25/2012	20.9	41.07	0.5073	28.88	5600	95.1410%	Fecal		CFU/100 mL	200	-	141,337.8
5439500	7/15/2005	20.8	40.97	0.5073	28.83	5603	95.1920%	Fecal		CFU/100 mL	200	-	141,089.5
5439500	8/12/2012	20.8	40.97	0.5073	28.83	5603	95.1920%	Fecal		CFU/100 mL	200	-	141,089.5
5439500	9/24/2012	20.7	40.87	0.5073	28.78	5605	95.2260%	Fecal		CFU/100 mL	200	-	140,841.3
5439500	9/16/2012	20.6	40.77	0.5073	28.73	5606	95.2429%	Fecal		CFU/100 mL	200	-	140,593.0
5439500	8/22/2003	20.5	40.67	0.5073	28.68	5607	95.2599%	Fecal		CFU/100 mL	200	-	140,344.8
5439500	8/25/2003	20.4	40.57	0.5073	28.63	5608	95.2769%	Fecal		CFU/100 mL	200	-	140,096.5
5439500	9/4/2003	20.4	40.57	0.5073	28.63	5608	95.2769%	Fecal		CFU/100 mL	200	-	140,096.5
5439500	8/27/2018	20.3	40.47	0.5073	28.58	5610	95.3109%	Fecal		CFU/100 mL	200	-	139,848.2
5439500	8/16/2006	20.2	40.37	0.5073	28.53	5611	95.3279%	Fecal		CFU/100 mL	200	-	139,600.0
5439500	8/20/2012	20.2	40.37	0.5073	28.53	5611	95.3279%	Fecal		CFU/100 mL	200	-	139,600.0
5439500	8/25/2018	20.2	40.37	0.5073	28.53	5611	95.3279%	Fecal		CFU/100 mL	200	-	139,600.0
5439500	10/28/2003	20.1	40.27	0.5073	28.48	5614	95.3789%	Fecal		CFU/100 mL	200	-	139,351.7
5439500	10/29/2003	20.1	40.27	0.5073	28.48	5614	95.3789%	Fecal		CFU/100 mL	200	-	139,351.7
5439500	9/9/2012	20.1	40.27	0.5073	28.48	5614	95.3789%	Fecal		CFU/100 mL	200	-	139,351.7
5439500	9/11/1991	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/22/1991	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/25/1991	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	8/20/1992	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/6/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/11/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/24/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	9/27/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	10/17/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	10/18/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	10/19/1997	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	10/2/2012	20	40.17	0.5073	28.43	5617	95.4298%	Fecal		CFU/100 mL	200	-	139,103.5
5439500	8/18/2006	19.9	40.07	0.5073	28.37	5629	95.6337%	Fecal		CFU/100 mL	200	-	138,855.2
5439500	8/17/2012	19.9	40.07	0.5073	28.37	5629	95.6337%	Fecal		CFU/100 mL	200	-	138,855.2
5439500	9/20/2021	19.9	40.07	0.5073	28.37	5629	95.6337%	Fecal		CFU/100 mL	200	-	138,855.2
5439500	7/26/2005	19.8	39.97	0.5073	28.32	5632	95.6847%	Fecal	320	CFU/100 mL	200	221,771	138,607.0
5439500	8/18/2005	19.7	39.87	0.5073	28.27	5633	95.7017%	Fecal		CFU/100 mL	200	-	138,358.7
5439500	9/18/2021	19.7	39.87	0.5073	28.27	5633	95.7017%	Fecal		CFU/100 mL	200	-	138,358.7
5439500	9/27/2005	19.6	39.77	0.5073	28.22	5635	95.7356%	Fecal		CFU/100 mL	200	-	138,110.5
5439500	8/24/2006	19.6	39.77	0.5073	28.22	5635	95.7356%	Fecal		CFU/100 mL	200	-	138,110.5
5439500	9/2/2006	19.6	39.77	0.5073	28.22	5635	95.7356%	Fecal		CFU/100 mL	200	-	138,110.5
5439500	9/18/1992	118	138.17	0.1459	28.21	5638	95.7866%	Fecal		CFU/100 mL	200	-	138,049.3
5439500	9/18/2005	19.5	39.67	0.5073	28.17	5639	95.8036%	Fecal		CFU/100 mL	200	-	137,862.2
5439500	10/1/2012	19.5	39.67	0.5073	28.17	5639	95.8036%	Fecal		CFU/100 mL	200	-	137,862.2
5439500	9/19/2021	19.5	39.67	0.5073	28.17	5639	95.8036%	Fecal		CFU/100 mL	200	-	137,862.2
5439500	8/23/2003	19.4	39.57	0.5073	28.12	5642	95.8546%	Fecal		CFU/100 mL	200	-	137,613.9
5439500	10/3/2012	19.4	39.57	0.5073	28.12	5642	95.8546%	Fecal		CFU/100 mL	200	-	137,613.9
5439500	9/3/2006	19.3	39.47	0.5073	28.07	5644	95.8885%	Fecal		CFU/100 mL	200	-	137,365.7
5439500	10/22/2003	19.2	39.37	0.5073	28.02	5645	95.9055%	Fecal		CFU/100 mL	200	-	137,117.4
5439500	10/30/2003	19.2	39.37	0.5073	28.02	5645	95.9055%	Fecal		CFU/100 mL	200	-	137,117.4
5439500	8/17/2006	19.2	39.37	0.5073	28.02	5645	95.9055%	Fecal		CFU/100 mL	200	-	137,117.4
5439500	8/19/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/23/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/31/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/8/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/27/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/28/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/3/1991	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/22/1992	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/23/1992	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/24/1992	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/13/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/22/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/26/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/12/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/20/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/22/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/23/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	10/24/1997	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/21/2012	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	9/30/2012	19	39.17	0.5073	27.92	5648	95.9565%	Fecal		CFU/100 mL	200	-	136,620.9
5439500	8/23/2006	18.9	39.07	0.5073	27.87	5668	96.2963%	Fecal		CFU/100 mL	200	-	136,372.7
5439500	9/22/2012	18.9	39.07	0.5073	27.87	5668	96.2963%	Fecal		CFU/100 mL	200	-	136,372.7
5439500	9/23/2012	18.8	38.97	0.5073	27.82	5670	96.3303%	Fecal		CFU/100 mL	200	-	136,124.4
5439500	7/17/2005	18.7	38.87	0.5073	27.77	5671	96.3473%	Fecal		CFU/100 mL	200	-	135,876.1
5439500	9/17/2012	18.7	38.87	0.5073	27.77	5671	96.3473%	Fecal		CFU/100 mL	200	-	135,876.1
5439500	9/18/2012	18.7	38.87	0.5073	27.77	5671	96.3473%	Fecal		CFU/100 mL	200	-	135,876.1
5439500	9/26/2012	18.7	38.87	0.5073	27.77	5671	96.3473%	Fecal		CFU/100 mL	200	-	135,876.1
5439500	9/2/2003	18.6	38.77	0.5073	27.71	5675	96.4152%	Fecal		CFU/100 mL	200	-	135,627.9
5439500	9/29/2012	18.6	38.77	0.5073	27.71	5675	96.4152%	Fecal		CFU/100 mL	200	-	135,627.9
5439500	8/24/2018	18.6	38.77	0.5073	27.71	5675	96.4152%	Fecal		CFU/100 mL	200	-	135,627.9
5439500	9/16/2021	18.6	38.77	0.5073	27.71	5675	96.4152%	Fecal		CFU/100 mL	200	-	135,627.9
5439500	8/28/2003	18.5	38.67	0.5073	27.66	5679	96.4832%	Fecal		CFU/100 mL	200	-	135,379.6
5439500	8/30/2003	18.5	38.67	0.5073	27.66	5679	96.4832%	Fecal		CFU/100 mL	200	-	135,379.6
5439500	7/30/2005	18.5	38.67	0.5073	27.66	5679	96.4832%	Fecal		CFU/100 mL	200	-	135,379.6
5439500	9/17/2003	18.4	38.57	0.5073	27.61	5682	96.5341%	Fecal	582	CFU/100 mL	200	393,232	135,131.4
5439500	8/25/2005	18.4	38.57	0.5073	27.61	5682	96.5341%	Fecal		CFU/100 mL	200	-	135,131.4
5439500	10/18/2003	18.3	38.47	0.5073	27.56	5684	96.5681%	Fecal		CFU/100 mL	200	-	134,883.1
5439500	9/25/2005	18.3	38.47	0.5073	27.56	5684	96.5681%	Fecal		CFU/100 mL	200	-	134,883.1
5439500	10/10/2003	18.2	38.37	0.5073	27.51	5686	96.6021%	Fecal		CFU/100 mL	200	-	134,634.9
5439500	10/14/2003	18.2	38.37	0.5073	27.51	5686	96.6021%	Fecal		CFU/100 mL	200	-	134,634.9
5439500	10/26/2003	18.1	38.27	0.5073	27.46	5688	96.6361%	Fecal		CFU/100 mL	200	-	134,386.6
5439500	8/21/2012	18.1	38.27	0.5073	27.46	5688	96.6361%	Fecal		CFU/100 mL	200	-	134,386.6
5439500	9/8/2012	18.1	38.27	0.5073	27.46	5688	96.6361%	Fecal		CFU/100 mL	200	-	134,386.6
5439500	8/2/1991	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	8/4/1991	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	8/16/1991	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	8/29/1991	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/9/1991	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/12/1997	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/16/1997	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/28/1997	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/29/1997	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	10/1/1997	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	8/28/2018	18	38.17	0.5073	27.41	5691	96.6871%	Fecal		CFU/100 mL	200	-	134,138.4
5439500	9/27/2012	17.9	38.07	0.5073	27.36	5702	96.8739%	Fecal		CFU/100 mL	200	-	133,890.1
5439500	9/5/2003	17.8	37.97	0.5073	27.31	5703	96.8909%	Fecal		CFU/100 mL	200	-	133,641.8
5439500	9/23/2003	17.7	37.87	0.5073	27.26	5704	96.9079%	Fecal		CFU/100 mL	200	-	133,393.6
5439500	9/28/2012	17.7	37.87	0.5073	27.26	5704	96.9079%	Fecal		CFU/100 mL	200	-	133,393.6
5439500	10/31/2003	17.6	37.77	0.5073	27.21	5706	96.9419%	Fecal		CFU/100 mL	200	-	133,145.3
5439500	9/1/2003	17.5	37.67	0.5073	27.16	5707	96.9589%	Fecal		CFU/100 mL	200	-	132,897.1
5439500	9/17/2021	17.5	37.67	0.5073	27.16	5707	96.9589%	Fecal		CFU/100 mL	200	-	132,897.1
5439500	10/11/2003	17.4	37.57	0.5073	27.11	5709	96.9929%	Fecal		CFU/100 mL	200	-	132,648.8
5439500	8/29/2003	17.3	37.47	0.5073	27.06	5710	97.0099%	Fecal		CFU/100 mL	200	-	132,400.6
5439500	10/25/2003	17.3	37.47	0.5073	27.06	5710	97.0099%	Fecal		CFU/100 mL	200	-	132,400.6
5439500	8/22/2012	17.2	37.37	0.5073	27.00	5712	97.0438%	Fecal		CFU/100 mL	200	-	132,152.3
5439500	10/12/2003	17.1	37.27	0.5073	26.95	5713	97.0608%	Fecal		CFU/100 mL	200	-	131,904.0
5439500	9/14/2012	17.1	37.27	0.5073	26.95	5713	97.0608%	Fecal		CFU/100 mL	200	-	131,904.0
5439500	8/20/1991	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	8/25/1991	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	8/30/1991	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/1/1991	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	9/7/1992	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	9/8/1992	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	9/14/1997	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	9/15/1997	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/3/1997	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/10/1997	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/21/1997	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	8/31/2003	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/2/2003	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	9/15/2012	17	37.17	0.5073	26.90	5715	97.0948%	Fecal		CFU/100 mL	200	-	131,655.8
5439500	10/9/2003	16.9	37.07	0.5073	26.85	5729	97.3327%	Fecal		CFU/100 mL	200	-	131,407.5
5439500	8/23/2012	16.9	37.07	0.5073	26.85	5729	97.3327%	Fecal		CFU/100 mL	200	-	131,407.5
5439500	9/25/2003	16.8	36.97	0.5073	26.80	5731	97.3666%	Fecal		CFU/100 mL	200	-	131,159.3
5439500	9/27/2003	16.8	36.97	0.5073	26.80	5731	97.3666%	Fecal		CFU/100 mL	200	-	131,159.3
5439500	10/3/2003	16.8	36.97	0.5073	26.80	5731	97.3666%	Fecal		CFU/100 mL	200	-	131,159.3
5439500	10/19/2003	16.8	36.97	0.5073	26.80	5731	97.3666%	Fecal		CFU/100 mL	200	-	131,159.3
5439500	9/12/2003	16.7	36.87	0.5073	26.75	5735	97.4346%	Fecal		CFU/100 mL	200	-	130,911.0
5439500	9/30/2003	16.7	36.87	0.5073	26.75	5735	97.4346%	Fecal		CFU/100 mL	200	-	130,911.0
5439500	10/26/2005	16.7	36.87	0.5073	26.75	5735	97.4346%	Fecal		CFU/100 mL	200	-	130,911.0
5439500	9/10/2012	16.7	36.87	0.5073	26.75	5735	97.4346%	Fecal		CFU/100 mL	200	-	130,911.0
5439500	9/11/2012	16.7	36.87	0.5073	26.75	5735	97.4346%	Fecal		CFU/100 mL	200	-	130,911.0
5439500	10/8/2003	16.6	36.77	0.5073	26.70	5740	97.5195%	Fecal		CFU/100 mL	200	-	130,662.8
5439500	9/9/2006	16.5	36.67	0.5073	26.65	5741	97.5365%	Fecal		CFU/100 mL	200	-	130,414.5
5439500	8/29/2012	16.5	36.67	0.5073	26.65	5741	97.5365%	Fecal		CFU/100 mL	200	-	130,414.5
5439500	9/6/2003	16.4	36.57	0.5073	26.60	5743	97.5705%	Fecal		CFU/100 mL	200	-	130,166.3
5439500	8/16/2005	16.4	36.57	0.5073	26.60	5743	97.5705%	Fecal		CFU/100 mL	200	-	130,166.3
5439500	9/18/2003	16.2	36.37	0.5073	26.50	5745	97.6045%	Fecal		CFU/100 mL	200	-	129,669.7
5439500	7/31/2005	16.2	36.37	0.5073	26.50	5745	97.6045%	Fecal		CFU/100 mL	200	-	129,669.7
5439500	9/5/2012	16.1	36.27	0.5073	26.45	5747	97.6385%	Fecal		CFU/100 mL	200	-	129,421.5
5439500	8/21/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	8/22/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	8/27/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	9/1/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	9/30/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/2/1991	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/2/1997	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/4/1997	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/5/1997	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/6/1997	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/7/1997	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	9/26/2003	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	10/1/2003	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	7/18/2005	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	7/21/2005	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2
5439500	9/28/2005	16	36.17	0.5073	26.40	5748	97.6555%	Fecal		CFU/100 mL	200	-	129,173.2

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	8/28/2005	15.9	36.07	0.5073	26.35	5764	97.9273%	Fecal		CFU/100 mL	200	-	128,925.0
5439500	8/24/2012	15.9	36.07	0.5073	26.35	5764	97.9273%	Fecal		CFU/100 mL	200	-	128,925.0
5439500	9/22/2003	15.8	35.97	0.5073	26.29	5766	97.9613%	Fecal		CFU/100 mL	200	-	128,676.7
5439500	10/4/2003	15.6	35.77	0.5073	26.19	5767	97.9783%	Fecal		CFU/100 mL	200	-	128,180.2
5439500	10/20/2003	15.6	35.77	0.5073	26.19	5767	97.9783%	Fecal		CFU/100 mL	200	-	128,180.2
5439500	9/29/2005	15.6	35.77	0.5073	26.19	5767	97.9783%	Fecal		CFU/100 mL	200	-	128,180.2
5439500	10/24/2003	15.5	35.67	0.5073	26.14	5770	98.0292%	Fecal		CFU/100 mL	200	-	127,932.0
5439500	8/27/2005	15.5	35.67	0.5073	26.14	5770	98.0292%	Fecal		CFU/100 mL	200	-	127,932.0
5439500	10/23/2003	15.4	35.57	0.5073	26.09	5772	98.0632%	Fecal		CFU/100 mL	200	-	127,683.7
5439500	8/26/2005	15.4	35.57	0.5073	26.09	5772	98.0632%	Fecal		CFU/100 mL	200	-	127,683.7
5439500	9/13/2012	15.4	35.57	0.5073	26.09	5772	98.0632%	Fecal		CFU/100 mL	200	-	127,683.7
5439500	10/5/2005	15.3	35.47	0.5073	26.04	5775	98.1142%	Fecal		CFU/100 mL	200	-	127,435.4
5439500	8/26/2012	15.3	35.47	0.5073	26.04	5775	98.1142%	Fecal		CFU/100 mL	200	-	127,435.4
5439500	9/12/2012	15.3	35.47	0.5073	26.04	5775	98.1142%	Fecal		CFU/100 mL	200	-	127,435.4
5439500	8/24/1991	15	35.17	0.5073	25.89	5778	98.1651%	Fecal		CFU/100 mL	200	-	126,690.7
5439500	8/26/1991	15	35.17	0.5073	25.89	5778	98.1651%	Fecal		CFU/100 mL	200	-	126,690.7
5439500	9/30/1997	15	35.17	0.5073	25.89	5778	98.1651%	Fecal		CFU/100 mL	200	-	126,690.7
5439500	10/8/1997	15	35.17	0.5073	25.89	5778	98.1651%	Fecal		CFU/100 mL	200	-	126,690.7
5439500	8/27/2012	15	35.17	0.5073	25.89	5778	98.1651%	Fecal		CFU/100 mL	200	-	126,690.7
5439500	8/28/2012	14.8	34.97	0.5073	25.79	5783	98.2501%	Fecal		CFU/100 mL	200	-	126,194.2
5439500	9/7/2003	14.7	34.87	0.5073	25.74	5784	98.2671%	Fecal		CFU/100 mL	200	-	125,945.9
5439500	10/27/2005	14.7	34.87	0.5073	25.74	5784	98.2671%	Fecal		CFU/100 mL	200	-	125,945.9
5439500	9/19/2003	14.6	34.77	0.5073	25.69	5786	98.3011%	Fecal		CFU/100 mL	200	-	125,697.6
5439500	10/7/2003	14.6	34.77	0.5073	25.69	5786	98.3011%	Fecal		CFU/100 mL	200	-	125,697.6
5439500	9/10/2003	14.5	34.67	0.5073	25.63	5788	98.3350%	Fecal		CFU/100 mL	200	-	125,449.4
5439500	9/11/2003	14.5	34.67	0.5073	25.63	5788	98.3350%	Fecal		CFU/100 mL	200	-	125,449.4
5439500	10/6/2005	14.4	34.57	0.5073	25.58	5790	98.3690%	Fecal		CFU/100 mL	200	-	125,201.1
5439500	9/30/2005	14.3	34.47	0.5073	25.53	5791	98.3860%	Fecal		CFU/100 mL	200	-	124,952.9
5439500	9/8/2003	14.2	34.37	0.5073	25.48	5792	98.4030%	Fecal		CFU/100 mL	200	-	124,704.6
5439500	8/25/2012	14.2	34.37	0.5073	25.48	5792	98.4030%	Fecal		CFU/100 mL	200	-	124,704.6
5439500	10/5/2003	14.1	34.27	0.5073	25.43	5794	98.4370%	Fecal		CFU/100 mL	200	-	124,456.4
5439500	10/6/2003	14.1	34.27	0.5073	25.43	5794	98.4370%	Fecal		CFU/100 mL	200	-	124,456.4
5439500	9/22/2005	14.1	34.27	0.5073	25.43	5794	98.4370%	Fecal		CFU/100 mL	200	-	124,456.4
5439500	9/4/2012	14.1	34.27	0.5073	25.43	5794	98.4370%	Fecal		CFU/100 mL	200	-	124,456.4
5439500	8/28/1991	14	34.17	0.5073	25.38	5798	98.5049%	Fecal		CFU/100 mL	200	-	124,208.1
5439500	9/2/1991	14	34.17	0.5073	25.38	5798	98.5049%	Fecal		CFU/100 mL	200	-	124,208.1
5439500	7/20/2005	14	34.17	0.5073	25.38	5798	98.5049%	Fecal		CFU/100 mL	200	-	124,208.1
5439500	8/1/2005	14	34.17	0.5073	25.38	5798	98.5049%	Fecal		CFU/100 mL	200	-	124,208.1
5439500	10/1/2005	13.8	33.97	0.5073	25.28	5802	98.5729%	Fecal		CFU/100 mL	200	-	123,711.6
5439500	10/28/2005	13.7	33.87	0.5073	25.23	5803	98.5899%	Fecal		CFU/100 mL	200	-	123,463.3
5439500	9/3/2012	13.7	33.87	0.5073	25.23	5803	98.5899%	Fecal		CFU/100 mL	200	-	123,463.3
5439500	9/19/2005	13.6	33.77	0.5073	25.18	5805	98.6239%	Fecal		CFU/100 mL	200	-	123,215.1
5439500	10/30/2000	97	117.17	0.1459	25.15	5806	98.6408%	Fecal		CFU/100 mL	200	-	123,052.0
5439500	10/13/2003	13.5	33.67	0.5073	25.13	5807	98.6578%	Fecal		CFU/100 mL	200	-	122,966.8
5439500	9/17/2005	13.5	33.67	0.5073	25.13	5807	98.6578%	Fecal		CFU/100 mL	200	-	122,966.8
5439500	9/21/2005	13.5	33.67	0.5073	25.13	5807	98.6578%	Fecal		CFU/100 mL	200	-	122,966.8
5439500	8/17/2005	13.3	33.47	0.5073	25.03	5810	98.7088%	Fecal		CFU/100 mL	200	-	122,470.3
5439500	10/7/2005	13.3	33.47	0.5073	25.03	5810	98.7088%	Fecal		CFU/100 mL	200	-	122,470.3
5439500	10/24/2005	13.3	33.47	0.5073	25.03	5810	98.7088%	Fecal		CFU/100 mL	200	-	122,470.3
5439500	8/29/2005	13.2	33.37	0.5073	24.98	5813	98.7598%	Fecal		CFU/100 mL	200	-	122,222.1
5439500	10/14/2005	13.2	33.37	0.5073	24.98	5813	98.7598%	Fecal		CFU/100 mL	200	-	122,222.1
5439500	9/20/2003	13	33.17	0.5073	24.87	5815	98.7937%	Fecal		CFU/100 mL	200	-	121,725.6
5439500	9/2/2012	13	33.17	0.5073	24.87	5815	98.7937%	Fecal		CFU/100 mL	200	-	121,725.6
5439500	10/22/2006	94.8	114.97	0.1459	24.82	5817	98.8277%	Fecal		CFU/100 mL	200	-	121,480.9
5439500	9/24/2005	12.9	33.07	0.5073	24.82	5818	98.8447%	Fecal		CFU/100 mL	200	-	121,477.3
5439500	10/2/2005	12.9	33.07	0.5073	24.82	5818	98.8447%	Fecal		CFU/100 mL	200	-	121,477.3
5439500	9/9/2003	12.5	32.67	0.5073	24.62	5820	98.8787%	Fecal		CFU/100 mL	200	-	120,484.3
5439500	9/23/2005	12.4	32.57	0.5073	24.57	5821	98.8957%	Fecal		CFU/100 mL	200	-	120,236.0
5439500	10/3/2005	12.4	32.57	0.5073	24.57	5821	98.8957%	Fecal		CFU/100 mL	200	-	120,236.0
5439500	10/4/2005	12.4	32.57	0.5073	24.57	5821	98.8957%	Fecal		CFU/100 mL	200	-	120,236.0
5439500	10/15/2005	12.4	32.57	0.5073	24.57	5821	98.8957%	Fecal		CFU/100 mL	200	-	120,236.0
5439500	7/26/1995	93	113.17	0.1459	24.56	5825	98.9636%	Fecal		CFU/100 mL	200	-	120,195.4
5439500	8/2/2005	12.3	32.47	0.5073	24.52	5826	98.9806%	Fecal		CFU/100 mL	200	-	119,987.8
5439500	8/30/2012	12.2	32.37	0.5073	24.47	5827	98.9976%	Fecal		CFU/100 mL	200	-	119,739.5
5439500	9/1/2012	12.2	32.37	0.5073	24.47	5827	98.9976%	Fecal		CFU/100 mL	200	-	119,739.5
5439500	8/3/2005	12	32.17	0.5073	24.37	5829	99.0316%	Fecal		CFU/100 mL	200	-	119,243.0
5439500	8/4/2005	12	32.17	0.5073	24.37	5829	99.0316%	Fecal		CFU/100 mL	200	-	119,243.0
5439500	10/23/2005	12	32.17	0.5073	24.37	5829	99.0316%	Fecal		CFU/100 mL	200	-	119,243.0
5439500	9/21/2003	11.8	31.97	0.5073	24.27	5832	99.0826%	Fecal		CFU/100 mL	200	-	118,746.5
5439500	10/8/2005	11.8	31.97	0.5073	24.27	5832	99.0826%	Fecal		CFU/100 mL	200	-	118,746.5
5439500	8/31/2005	11.7	31.87	0.5073	24.21	5834	99.1165%	Fecal		CFU/100 mL	200	-	118,498.2
5439500	9/20/2005	11.6	31.77	0.5073	24.16	5835	99.1335%	Fecal		CFU/100 mL	200	-	118,250.0
5439500	9/16/2005	11.5	31.67	0.5073	24.11	5836	99.1505%	Fecal		CFU/100 mL	200	-	118,001.7
5439500	10/9/2005	11.5	31.67	0.5073	24.11	5836	99.1505%	Fecal		CFU/100 mL	200	-	118,001.7
5439500	10/13/2005	11.5	31.67	0.5073	24.11	5836	99.1505%	Fecal	140	CFU/100 mL	200	82,601	118,001.7
5439500	8/11/2005	11.3	31.47	0.5073	24.01	5839	99.2015%	Fecal		CFU/100 mL	200	-	117,505.2
5439500	8/31/2012	11.2	31.37	0.5073	23.96	5840	99.2185%	Fecal		CFU/100 mL	200	-	117,256.9
5439500	6/15/2003	88.6	108.77	0.1459	23.92	5841	99.2355%	Fecal		CFU/100 mL	200	-	117,053.1
5439500	10/29/2005	11.1	31.27	0.5073	23.91	5842	99.2525%	Fecal		CFU/100 mL	200	-	117,008.7
5439500	7/19/2005	11	31.17	0.5073	23.86	5843	99.2695%	Fecal		CFU/100 mL	200	-	116,760.4
5439500	10/31/2005	10.9	31.07	0.5073	23.81	5844	99.2864%	Fecal		CFU/100 mL	200	-	116,512.2
5439500	10/25/2005	10.8	30.97	0.5073	23.76	5845	99.3034%	Fecal		CFU/100 mL	200	-	116,263.9
5439500	8/30/2005	10.7	30.87	0.5073	23.71	5846	99.3204%	Fecal		CFU/100 mL	200	-	116,015.7
5439500	10/30/2005	10.7	30.87	0.5073	23.71	5846	99.3204%	Fecal		CFU/100 mL	200	-	116,015.7
5439500	9/1/2005	10.6	30.77	0.5073	23.66	5848	99.3544%	Fecal		CFU/100 mL	200	-	115,767.4
5439500	9/2/2005	10.2	30.37	0.5073	23.45	5849	99.3714%	Fecal		CFU/100 mL	200	-	114,774.4
5439500	8/7/2005	10.1	30.27	0.5073	23.40	5850	99.3884%	Fecal		CFU/100 mL	200	-	114,526.1
5439500	10/10/2005	10	30.17	0.5073	23.35	5851	99.4054%	Fecal		CFU/100 mL	200	-	114,277.9
5439500	8/5/2005	9.96	30.13	0.5073	23.33	5852	99.4224%	Fecal		CFU/100 mL	200	-	114,178.6
5439500	10/17/2005	9.95	30.12	0.5073	23.33	5853	99.4393%	Fecal		CFU/100 mL	200	-	114,153.7
5439500	10/12/2005	9.8	29.97	0.5073	23.25	5854	99.4563%	Fecal		CFU/100 mL	200	-	113,781.4
5439500	10/21/2005	9.79	29.96	0.5073	23.25	5855	99.4733%	Fecal		CFU/100 mL	200	-	113,756.5
5439500	8/6/2005	9.78	29.95	0.5073	23.24	5856	99.4903%	Fecal		CFU/100 mL	200	-	113,731.7
5439500	9/3/2005	9.74	29.91	0.5073	23.22	5857	99.5073%	Fecal		CFU/100 mL	200	-	113,632.4
5439500	9/7/2005	9.7	29.87	0.5073	23.20	5858	99.5243%	Fecal		CFU/100 mL	200	-	113,533.1
5439500	8/8/2005	9.28	29.45	0.5073	22.99	5859	99.5413%	Fecal		CFU/100 mL	200	-	112,490.4
5439500	8/10/2005	9.16	29.33	0.5073	22.93	5860	99.5583%	Fecal		CFU/100 mL	200	-	112,192.5
5439500	9/8/2005	9.13	29.30	0.5073	22.91	5861	99.5753%	Fecal		CFU/100 mL	200	-	112,118.0
5439500	10/16/2005	9.12	29.29	0.5073	22.91	5862	99.5923%	Fecal		CFU/100 mL	200	-	112,093.2
5439500	9/14/2005	9.1	29.27	0.5073	22.90	5863	99.6092%	Fecal		CFU/100 mL	200	-	112,043.6
5439500	10/18/2005	9.05	29.22	0.5073	22.87	5864	99.6262%	Fecal		CFU/100 mL	200	-	111,919.4
5439500	10/22/2005	8.94	29.11	0.5073	22.81	5865	99.6432%	Fecal		CFU/100 mL	200	-	111,646.4
5439500	9/10/2005	8.88	29.05	0.5073	22.78	5866	99.6602%	Fecal		CFU/100 mL	200	-	111,497.4
5439500	10/11/2005	8.57	28.74	0.5073	22.63	5867	99.6772%	Fecal		CFU/100 mL	200	-	110,727.8
5439500	9/9/2005	8.53	28.70	0.5073	22.61	5868	99.6942%	Fecal		CFU/100 mL	200	-	110,628.5
5439500	10/20/2005	8.37	28.54	0.5073	22.53	5869	99.7112%	Fecal		CFU/100 mL	200	-	110,231.3
5439500	10/19/2005	8.12	28.29	0.5073	22.40	5870	99.7282%	Fecal		CFU/100 mL	200	-	109,610.7
5439500	9/4/2005	8.07	28.24	0.5073	22.37	5871	99.7452%	Fecal		CFU/100 mL	200	-	109,486.5
5439500	9/15/2005	8.06	28.23	0.5073	22.37	5872	99.7621%	Fecal		CFU/100 mL	200	-	109,461.7
5439500	8/9/2005	7.89	28.06	0.5073	22.28	5873	99.7791%	Fecal		CFU/100 mL	200	-	109,039.7
5439500	9/6/2005	7.59	27.76	0.5073	22.13	5874	99.7961%	Fecal		CFU/100 mL	200	-	108,294.9
5439500	9/13/2005	7.07	27.24	0.5073	21.87	5875	99.8131%	Fecal	545	CFU/100 mL	200	291,586	107,004.0
5439500	9/12/2005	7.05	27.22	0.5073	21.86	5876	99.8301%	Fecal		CFU/100 mL	200	-	106,954.3

Gage ID	Date	Discharge (CFS)	Gage Discharge (less Surrogate NPDES) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (mil. colonies/day)	Allowable Load (mil. colonies/day)
5439500	9/5/2005	6.68	26.85	0.5073	21.67	5877	99.8471%	Fecal		CFU/100 mL	200	-	106,035.8
5439500	6/25/1992	66	86.17	0.1459	20.62	5878	99.8641%	Fecal		CFU/100 mL	200	-	100,913.2
5439500	10/25/2004	56.6	76.77	0.1459	19.25	5879	99.8811%	Fecal		CFU/100 mL	200	-	94,200.1
5439500	9/5/2000	47	67.17	0.1459	17.85	5880	99.8981%	Fecal		CFU/100 mL	200	-	87,344.2
5439500	10/15/1998	46	66.17	0.1459	17.70	5881	99.9151%	Fecal		CFU/100 mL	200	-	86,630.0
5439500	10/1/1995	43	63.17	0.1459	17.26	5882	99.9320%	Fecal		CFU/100 mL	200	-	84,487.6
5439500	10/14/1998	43	63.17	0.1459	17.26	5882	99.9320%	Fecal		CFU/100 mL	200	-	84,487.6
5439500	9/30/1995	41	61.17	0.1459	16.97	5884	99.9660%	Fecal		CFU/100 mL	200	-	83,059.3
5439500	8/23/2004	33	53.17	0.1459	15.81	5885	99.9830%	Fecal		CFU/100 mL	200	-	77,346.0

Appendix F

QUAL2K Model Files

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QUAL2K FORTRAN

Stream Water Quality Model

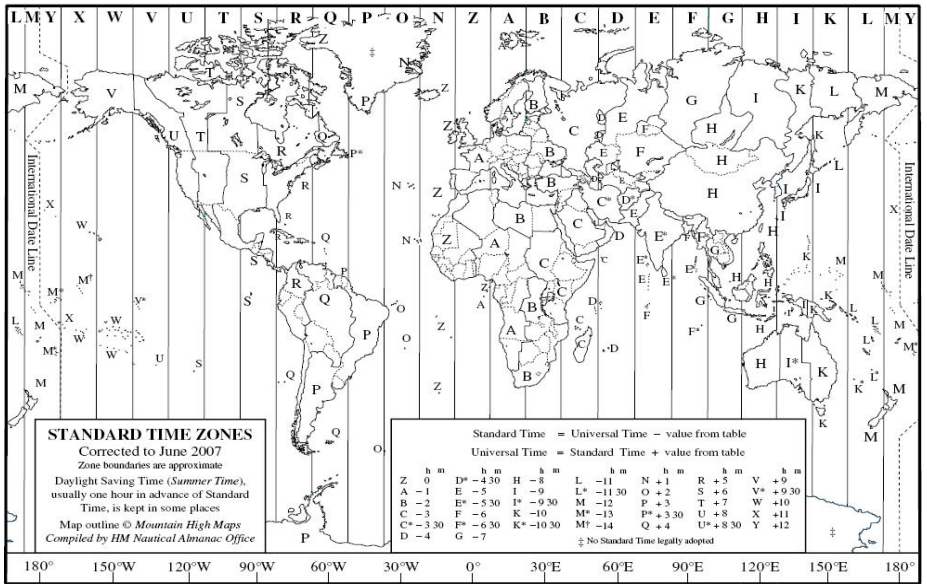
Steve Chapra, Hua Tao and Greg Pelletier

Version 2.12b1

System ID:		
River name	Beach Creek	
Saved file name	Q2K Beach Creek	
Directory where file saved	s\Tim's Hard Drive Files\IEPA 2022\Kyte River	
Month	9	
Day	25	
Year	2002	
Local time hours to UTC	-6	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Central Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.13	minutes
Time of sunrise	6:43 AM	
Time of solar noon	12:44 PM	
Time of sunset	6:45 PM	
Photoperiod	12.03	hours

QUAL2K
Stream Water Quality Model
Boulder Creek (8/21/1987)
Time Zone Information

Hour Off-Set:	Military	Designation	Additional Places
-12	Yankee	International Date Line	
-11	X-ray	Pacific Ocean	Samoa
-10	Whiskey	Hawaii	Hawaii, Aleutians
-9.5			Marquesas
-9	Victor	Alaska Time	
-8	Uniform	Pacific Standard Time	LA, Vancouver, Mexico Baja
-7	Tango	Mountain Standard Time	Denver, Calgary, Mexico Sonora
-6	Sierra	Central Standard Time	Chicago, Mexico
-5	Romeo	Eastern Standard Time	Boston, Montreal, Columbia
-4	Quebec	Atlantic Time	Chile, Venezuela
-3.5		Newfoundland Time	
-3	Papa	Greenland Time	Brazil East, Argentina
-2	Oscar	Atlantic Ocean	Antarctica
-1	November	SE Greenland	Azores
0	Zulu	Greenwich, England	UK, Morocco, Ghana
1	Alpha	Mid Europe/Africa	Germany, France, Spain, Algeria, Congo
2	Bravo	E Europe, E Central Africa	Greece, Turkey, Israel, Libya, South Africa
3	Charlie	Moscow, Mid-East, E Africa	Iraq, Kenya, Saudi Arabia, Tanzania
3.5		Iran	
4	Delta	NW Caspian Sea	Russian Federation Zone 3
4.5		Afghanistan	
5	Echo	Ural Mountains, Russia	Pakistan
5.5		India	Sri Lanka
5.75			Nepal
6	Foxtrot	Almaty (Alma ATA), Russia	Bangladesh
6.5		Myanamar	
7	Golf	W Mongolia	Indonesia, Thailand, Vietnam
8	Hotel	China	Phillipines
9	India	Japan	Korea
9.5		Mid Australia	
10	Kilo	Eastern Russia; Sydney, Australia	
11	Lima	Kamchatskiy, E Russia	Solomons
11.5			Norfolk Islands
12	Mike	International Date Line	New Zealand



QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Headwater Data:

Number of Headwaters	1

Headwater 0 (Mainstem)

Headwater label	*Reach No*	*Flow*	*Elevation*	*Weir*				*Rating Curves*				*Manning Formula*						*Prescribed*							
		Rate		*Weir*	*Height*	*Width*	*adam*	*bdam*	*Velocity*		*Depth*		*Channel*	*Manning*	*Bot Width*	*Side*	*Side*	*Dispersion*							
		(m^3/s)	*(m)*	*Type*	*(m)*	*(m)*			*Coefficient*	*Exponent*	*Coefficient*	*Exponent*	*Slope*	*n*	*m*	*Slope*	*Slope*	*m2/s*							
Mainstem headwater	1	0.01702	222.740				1.2500	0.9000					0.0025	0.3000	2.00	0.50	0.50	0.00							
Water Quality Constituents	*Units*	*12:00 AM*	*1:00 AM*	*2:00 AM*	*3:00 AM*	*4:00 AM*	*5:00 AM*	*6:00 AM*	*7:00 AM*	*8:00 AM*	*9:00 AM*	*10:00 AM*	*11:00 AM*	*12:00 PM*	*1:00 PM*	*2:00 PM*	*3:00 PM*	*4:00 PM*	*5:00 PM*	*6:00 PM*	*7:00 PM*	*8:00 PM*	*9:00 PM*	*10:00 PM*	*11:00 PM*
Temperature	C	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Conductivity	umhos	866.90	867.70	869.40	869.80	871.00	871.80	872.00	872.00	872.10	872.50	873.10	871.80	871.80	869.90	866.50	864.90	862.00	858.10	858.10	856.70	857.90	860.60	860.70	864.30
Inorganic Solids	mgD/L	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
Dissolved Oxygen	mg/L	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
CBODslow	mgO2/L																								
CBODfast	mgO2/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Organic Nitrogen	ugN/L	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00	1800.00
NH4-Nitrogen	ugN/L	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
NO3-Nitrogen	ugN/L	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00	20000.00
Organic Phosphorus	ugP/L	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Inorganic Phosphorus (SRP)	ugP/L	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Phytoplankton	ugA/L	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11
Internal Nitrogen (INP)	ugN/L	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84	429.84
Internal Phosphorus (IPP)	ugP/L	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11	26.11
Detritus (POM)	mgD/L	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03
Pathogen	cfu/100 mL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alkalinity	mgCaCO3/L	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00
Constituent i		400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00
Constituent ii																									
Constituent iii																									
pH	s.u.	8.63	8.61	8.58	8.56	8.53	8.49	8.48	8.49	8.49	8.55	8.57	8.67	8.68	8.75	8.82	8.83	8.86	8.86	8.84	8.80	8.76	8.72	8.70	8.66

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Reach Data:

Reach for diel plot	1
Element for diel plot	1

Reach Label	Downstream end of reach label	Reach Number	Headwater Reach	Reach length (km)	Downstream Latitude	Downstream Longitude	Location Upstream (km)	Location Downstream (km)	Element Number >=1	Elevation Upstream (m)	Elevation Downstream (m)
Mainstem headwater	Reach 1	1	Yes	0.10	42.28	88.23	2.000	1.900	5	222.740	222.740
Reach 1	Reach 2	2		0.10	42.28	88.23	1.900	1.800	5	222.740	222.740
Reach 2	Reach 3	3		0.10	42.28	88.23	1.800	1.700	5	222.740	222.740
Reach 3	Reach 4	4		0.10	42.28	88.23	1.700	1.600	5	222.740	222.740
Reach 4	Reach 5	5		0.10	42.28	88.23	1.600	1.500	5	222.740	222.740
Reach 5	Reach 6	6		0.10	42.28	88.23	1.500	1.400	5	222.740	222.740
Reach 6	Reach 7	7		0.10	42.28	88.23	1.400	1.300	5	222.740	222.740
Reach 7	Reach 8	8		0.10	42.28	88.23	1.300	1.200	5	222.740	222.740
Reach 8	Reach 9	9		0.10	42.28	88.23	1.200	1.100	5	222.740	222.740
Reach 9		10		0.10	42.28	88.23	1.100	1.000	5	222.740	222.740

Reach Label	Downstream Latitude Degrees	Downstream Latitude Minutes	Downstream Latitude Seconds	Downstream Longitude Degrees	Downstream Longitude Minutes	Downstream Longitude Seconds	Weir Type	Weir Height (m)	Weir Width (m)	Weir adam	Weir bdam
Mainstem headwater	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 1	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 2	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 3	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 4	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 5	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 6	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 7	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 8	42.00	17	1	88.00	14	0.60141				1.2500	0.9000
Reach 9	42.00	17	1	88.00	14	0.60141				1.2500	0.9000

Hydraulic Model (Weir Overrides Manning Formula; Manning Formula Override Rating Curves)

Reach Label	Rating Curves Velocity Coefficient	Rating Curves Velocity Exponent	Rating Curves Depth Coefficient	Rating Curves Depth Exponent	Manning Formula Channel Slope	Manning n	Bot Width m	Side Slope	Side Slope
Mainstem headwater					0.0025	0.3000	2.00	0.5000	0.5000
Reach 1					0.0025	0.3000	2.00	0.5000	0.5000
Reach 2					0.0025	0.3000	2.00	0.5000	0.5000
Reach 3					0.0025	0.3000	2.00	0.5000	0.5000
Reach 4					0.0025	0.3000	2.00	0.5000	0.5000
Reach 5					0.0025	0.3000	2.00	0.5000	0.5000
Reach 6					0.0025	0.3000	2.00	0.5000	0.5000
Reach 7					0.0025	0.3000	2.00	0.5000	0.5000
Reach 8					0.0025	0.3000	2.00	0.5000	0.5000
Reach 9					0.0025	0.3000	2.00	0.5000	0.5000

Reach Label	Prescribed Dispersion m2/s	Bottom Algae Coverage	Bottom SOD Coverage	Prescribed SOD gO2/m2/d	Prescribed CH4 flux gO2/m2/d	Prescribed NH4 flux mgN/m2/d	Prescribed Inorg P flux mgP/m2/d	Prescribed Evap mm/d
Mainstem headwater		10.00%	100.00%	0.00				
Reach 1		10.00%	100.00%	39.00				
Reach 2		10.00%	100.00%	39.00				
Reach 3		10.00%	100.00%	19.50				
Reach 4		10.00%	100.00%	19.50				
Reach 5		10.00%	100.00%	19.50				
Reach 6		10.00%	100.00%	19.50				
Reach 7		10.00%	100.00%	19.50				
Reach 8		10.00%	100.00%	19.50				
Reach 9		10.00%	100.00%	19.50				

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Air Temperature Data:

				Upstream	Downstream	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
Upstream	Reach	Downstream	Reach	Distance	Distance	Hourly air temperature for each reach (degrees C)																							
Label	Label	Label	Number	km	km	(The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)																							
Mainstem headwater	Mainstem headwater	Reach 1	1	2.00	1.90	26.67	26.11	26.67	25.56	25.56	25.00	27.22	29.44	31.67	31.67	32.78	34.44	35.56	36.67	36.67	30.00	31.67	31.67	30.00	28.89	27.78	25.56	26.11	23.89
Reach 1	Reach 1	Reach 2	2	1.90	1.80																								
Reach 2	Reach 2	Reach 3	3	1.80	1.70																								
Reach 3	Reach 3	Reach 4	4	1.70	1.60																								
Reach 4	Reach 4	Reach 5	5	1.60	1.50																								
Reach 5	Reach 5	Reach 6	6	1.50	1.40																								
Reach 6	Reach 6	Reach 7	7	1.40	1.30																								
Reach 7	Reach 7	Reach 8	8	1.30	1.20																								
Reach 8	Reach 8	Reach 9	9	1.20	1.10																								
Reach 9	Reach 9		10	1.10	1.00																								

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Dew Point Temperature Data:

				Upstream	Downstream	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
Upstream	Reach	Downstream	Reach	Distance	Distance	Hourly dewpoint temperature for each reach (degrees C)																							
Label	Label	Label	Number	km	km	(The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)																							
Mainstem headwater	Mainstem headwater	Reach 1	1	2.00	1.90	14.44	14.44	15.00	15.56	16.67	17.22	18.89	20.00	21.11	21.11	21.67	22.22	23.06	23.89	23.89	22.22	21.67	20.56	20.00	21.67	21.67	21.67	21.67	21.67
Reach 1	Reach 1	Reach 2	2	1.90	1.80																								
Reach 2	Reach 2	Reach 3	3	1.80	1.70																								
Reach 3	Reach 3	Reach 4	4	1.70	1.60																								
Reach 4	Reach 4	Reach 5	5	1.60	1.50																								
Reach 5	Reach 5	Reach 6	6	1.50	1.40																								
Reach 6	Reach 6	Reach 7	7	1.40	1.30																								
Reach 7	Reach 7	Reach 8	8	1.30	1.20																								
Reach 8	Reach 8	Reach 9	9	1.20	1.10																								
Reach 9	Reach 9		10	1.10	1.00																								

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Wind Speed Data:

				Upstream	Downstream	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
Upstream	Reach	Downstream	Reach	Distance	Distance	Wind speed for each reach 7m above water surface (m/s)																							
Label	Label	Label	Number	km	km	(The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)																							
Mainstem headwater	Mainstem headwater	Reach 1	1	2.00	1.90	4.47	4.47	4.02	3.13	3.13	3.13	3.13	3.58	4.47	3.13	3.13	3.13	3.58	4.02	3.58	4.02	3.58	2.68	0.00	0.00	2.23	0.00	0.00	0.00
Reach 1	Reach 1	Reach 2	2	1.90	1.80																								
Reach 2	Reach 2	Reach 3	3	1.80	1.70																								
Reach 3	Reach 3	Reach 4	4	1.70	1.60																								
Reach 4	Reach 4	Reach 5	5	1.60	1.50																								
Reach 5	Reach 5	Reach 6	6	1.50	1.40																								
Reach 6	Reach 6	Reach 7	7	1.40	1.30																								
Reach 7	Reach 7	Reach 8	8	1.30	1.20																								
Reach 8	Reach 8	Reach 9	9	1.20	1.10																								
Reach 9	Reach 9		10	1.10	1.00																								

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Cloud Cover Data:

				Upstream	Downstream	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
Upstream	Reach	Downstream	Reach	Distance	Distance	Hourly cloud cover shade for each reach (Percent)																							
Label	Label	Label	Number	km	km	(Percent of sky that is covered by clouds. The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)																							
Mainstem headwater	Mainstem headwater	Reach 1	1	2.00	1.90	42.0%	42.0%	42.0%	42.0%	42.0%	42.0%	39.4%	36.9%	34.3%	31.7%	29.1%	26.6%	24.0%	26.0%	28.0%	30.0%	32.0%	34.0%	36.0%	36.0%	36.0%	36.0%	36.0%	36.0%
Reach 1	Reach 1	Reach 2	2	1.90	1.80																								
Reach 2	Reach 2	Reach 3	3	1.80	1.70																								
Reach 3	Reach 3	Reach 4	4	1.70	1.60																								
Reach 4	Reach 4	Reach 5	5	1.60	1.50																								
Reach 5	Reach 5	Reach 6	6	1.50	1.40																								
Reach 6	Reach 6	Reach 7	7	1.40	1.30																								
Reach 7	Reach 7	Reach 8	8	1.30	1.20																								
Reach 8	Reach 8	Reach 9	9	1.20	1.10																								
Reach 9	Reach 9		10	1.10	1.00																								

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Shade Data:

						10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	8.6%	7.1%	5.7%	4.3%	2.9%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
				Upstream	Downstream	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
Upstream	Reach	Downstream	Reach	Distance	Distance	Integrated hourly effective shade for each reach (Percent)																							
Label	Label	Label	Number	km	km	(Percent of solar radiation that is blocked because of shade from topography and vegetation. Hourly values are applied as integrated values for each hour, e.g. the value at 12:00 AM is applied from 12:00 to 1:00 AM)																							
Mainstem headwater	Mainstem headwater	Reach 1	1	2.00	1.90	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	8.6%	7.1%	5.7%	4.3%	2.9%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Reach 1	Reach 1	Reach 2	2	1.90	1.80																								
Reach 2	Reach 2	Reach 3	3	1.80	1.70																								
Reach 3	Reach 3	Reach 4	4	1.70	1.60																								
Reach 4	Reach 4	Reach 5	5	1.60	1.50																								
Reach 5	Reach 5	Reach 6	6	1.50	1.40																								
Reach 6	Reach 6	Reach 7	7	1.40	1.30																								
Reach 7	Reach 7	Reach 8	8	1.30	1.20																								
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Reach 9	Reach 9		10	1.10	1.00																								

QUAL2K
Stream Water Quality Model
Beach Creek (9/25/2002)
Water Column Rates

Parameter	*Value*	*Units*	*Symbol*
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.1	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	None		
O2 for carbon oxidation	2.69	gO_2/gC	r_{oc}
O2 for NH4 nitrification	4.57	gO_2/gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{socf}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0	/d	k_{hc}
Temp correction	1.07		θ_{hc}
Oxidation rate	0	/d	k_{dcs}
Temp correction	1.047		θ_{dcs}
Fast CBOD:			
Oxidation rate	2	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.015	/d	k_{hn}
Temp correction	1.07		θ_{hn}

Settling velocity	0.0005	m/d	v_{on}
Ammonium:			
Nitrification	0.08	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	0.1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.8	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.03	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.001	m/d	v_{op}
Inorganic P:			
Settling velocity	0.8	m/d	v_{ip}
Inorganic P sorption coefficient	1000	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	1	mgO_2/L	k_{spi}
Phytoplankton:			
Max Growth rate	0	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.15	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0.3	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.1	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	100	ugN/L	k_{sPp}
External Phosphorus half sat constant	10	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	250	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	50	$mgA/m^2/d$ or /d	C_{gb}
Temp correction	1.07		θ_{gb}

First-order model carrying capacity	1000	mgA/m^2	$a_{b,max}$
Respiration rate	0.4	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.12	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.23	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.008	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	p_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}

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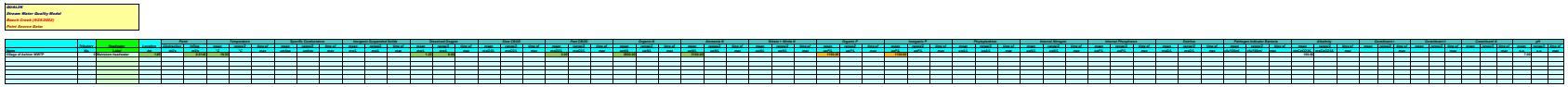
Stream Water Quality Model

Beach Creek (9/25/2002)

Light Parameters and Surface Heat Transfer Models:

Parameter	Value	Unit	
Photosynthetically Available Radiation	0.47		
Background light extinction	0.2	/m	k_{eb}
Linear chlorophyll light extinction	0.0088	1/m-(ugA/L)	α_p
Nonlinear chlorophyll light extinction	0.054	1/m-(ugA/L)2/3	α_{pn}
ISS light extinction	0.052	1/m-(mgD/L)	α_i
Detritus light extinction	0.174	1/m-(mgD/L)	α_o
Solar shortwave radiation model			
Atmospheric attenuation model for solar	Bras		
Bras solar parameter (used if Bras solar model is selected)			
atmospheric turbidity coefficient (2=clear, 5=smoggy, default=2)	2		n_{fac}
Ryan-Stolzenbach solar parameter (used if Ryan-Stolzenbach solar model is selected)			
atmospheric transmission coefficient (0.70-0.91, default 0.8)	0.8		a_{tc}
Downwelling atmospheric longwave IR radiation			
atmospheric longwave emissivity model	Brunt		
Evaporation and air convection/conduction			
wind speed function for evaporation and air convection/conduction	Brady-Graves-Geyer		
Sediment heat parameters			
Sediment thermal thickness	15	cm	H_s
Sediment thermal diffusivity	0.0064	cm^2/s	α_s
Sediment density	1.6	g/cm^3	ρ_s
Water density	1	g/cm^3	ρ_w
Sediment heat capacity	0.4	cal/(g °C)	C_{ps}
Water heat capacity	1	cal/(g °C)	C_{pw}
Sediment diagenesis model			
Compute SOD and nutrient fluxes	No