Illinois
Environmental
Protection Agency

Bureau of Water
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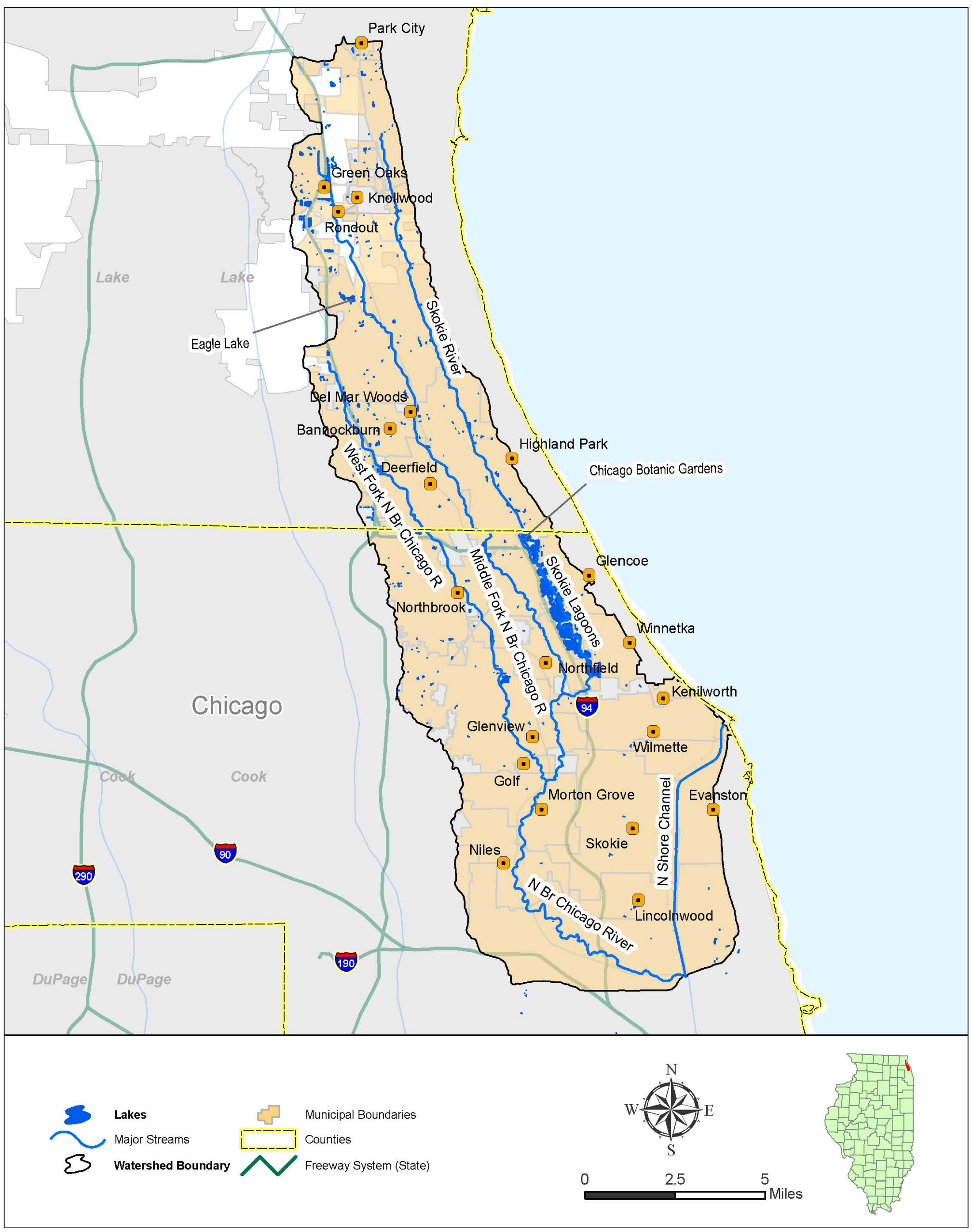
April 2020

IEPA/BOW/IL-2020-001

North Branch Chicago River Watershed TMDL Report

North Branch Chicago River Watershed



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TMDL Development for the North Branch Chicago River Watershed, 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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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO ATTENTION OF
WW-16J

April 13, 2020

Sanjay Sofat, Chief
Bureau of Water
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, Illinois 62794-9276

Dear Mr. Sofat:

The U.S. Environmental Protection Agency has conducted a complete review of the final Total Maximum Daily Loads (TMDLs) for fecal coliform, chloride, and phosphorus for the North Branch Chicago River watershed, including supporting documentation and follow up information. The waterbodies are located in northeastern Illinois. The TMDLs submitted by the Illinois Environmental Protection Agency address the impaired Primary Contact, Aesthetic Quality, and Aquatic Life Uses for the waterbodies.

The TMDLs meet the requirements of Section 303(d) of the Clean Water Act and EPA's implementing regulations at 40 C.F.R. Part 130. Therefore, EPA hereby approves Illinois's fifteen TMDLs for fecal coliform, chloride, and total phosphorus as noted in the enclosed decision document. The statutory and regulatory requirements, and EPA's review of Illinois's compliance with each requirement, are described in the enclosed decision document.

We wish to acknowledge Illinois's effort 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,

THOMAS SHORT
Digitally signed by THOMAS SHORT
Date: 2020.04.13 13:08:19 -05'00'

Thomas R. Short Jr.
Acting Director, Water Division

TMDL: North Branch Chicago River Watershed, Illinois
Date: 04/13/2020

DECISION DOCUMENT FOR THE APPROVAL OF THE NORTH BRANCH CHICAGO RIVER WATERSHED, ILLINOIS TMDL

Section 303(d) of the Clean Water Act (CWA) and EPA's implementing regulations at 40 C.F.R. Part 130 describe the statutory and regulatory requirements for approvable TMDLs. Additional information is generally necessary for EPA to determine if a submitted TMDL fulfills the legal requirements for approval under Section 303(d) and 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 EPA to determine if a submitted TMDL is approvable. These TMDL review guidelines are not themselves regulations. They are an attempt to summarize and provide guidance regarding currently effective statutory and regulatory requirements relating to TMDLs. Any differences between these guidelines and EPA's TMDL regulations should be resolved in favor of the regulations themselves.

1. Identification of Waterbody, Pollutant of Concern, Pollutant Sources, and Priority Ranking

The TMDL submittal should identify the waterbody as it appears on the State's/Tribe's 303(d) list. The waterbody 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 waterbody 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 waterbody. 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 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 waterbody 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.

Comment:
Location Description: The Illinois Environmental Protection Agency (IEPA) developed TMDLs for fecal coliform, chloride, and phosphorus for six impaired river segments and three impaired lakes in the North Branch Chicago River (NBCR) watershed in north-eastern Illinois (Table 1 of this Decision Document). The NBCR watershed is located in Cook and Lake Counties. Table 1 of this Decision Document lists the waterbodies addressed by this TMDL.

Table 1: TMDLs in the NBCR watershed

Segment ID	Segment Name	Designated use	Pollutant Addressed
HCC-07	North Branch Chicago River	Recreation	Fecal coliform
		Aquatic Life	Chloride
HCCB-05	West Fork North Branch Chicago River	Recreation	Fecal coliform
		Aquatic Life	Chloride
HCCC-02	Middle Fork North Branch Chicago River	Recreation	Fecal coliform
		Aquatic Life	Chloride
HCCC-04	Middle Fork North Branch Chicago River	Recreation	Fecal coliform
		Aquatic Life	Chloride
HCCD-01	Skokie River	Recreation	Fecal coliform
		Aquatic Life	Chloride
HCCD-09	Skokie River	Recreation	Fecal coliform
		Aquatic Life	Chloride
RHJ	Skokie Lagoons	Aesthetic Quality	Phosphorus
RHJA	Chicago Botanic Garden Lake	Aesthetic Quality	Phosphorus
UHH	Eagle Lake	Aesthetic Quality	Phosphorus

The NBCR watershed is approximately 86,900 acres (135 square miles) in size. The North Branch Chicago River begins as three tributaries, the West Fork, North Branch Chicago River (14.7 miles in length), the Middle Fork, North Branch Chicago River (22.1 miles in length) and the Skokie River (19.1 miles in length)(Section 2.1 of Appendix A of the TMDL) which then merge near Skokie, Illinois, and form the main channel of the North Branch Chicago River. The portion of the NBCR addressed by the TMDL ends at the junction of the NBCR and the North Shore Channel (Figure 2.1 of Appendix A of the TMDL).

Significant alteration of the drainage in the watershed has occurred over the last 100 years. Almost all of the watershed is highly urbanized, and the waterbodies are very flashy, where water levels rise and fall quickly after a rain event (Section 2.7 of Attachment A of the TMDL). The United States Geological Survey (USGS) operates several gages in the watersheds, as noted on Figure 2-10 of Attachment A of the TMDL.

Distribution of land use: The land use for the NBCR watershed is mainly urbanized in nature, with small parcels of forest in various parks along the riverbanks (Table 2 of this Decision Document, Figure 2-4 of Appendix A of the TMDL). Table 2.1 of Appendix A of the TMDL contains additional details on the land use in the watersheds. The watershed is highly populated; over 1.5 million people live in the watershed.

Table 2: Land use in the NBCR Watersheds

Land Use	%	acres
Agriculture	0.7	575
Developed	76	66,248
Forest	21	18,314
Other	2.3	1,763
Total	100	86,900

Problem Identification:
The pollutants of concern are fecal coliform, chloride and phosphorus (Table 1 of this Decision Document).

Fecal coliform: The waterbodies identified in Table 1 of this Decision Document as being impaired for fecal coliform all significantly exceeded the IEPA fecal coliform water quality standard (WQS), both the single-sample maximum and the geometric mean (Table 5-2 of Appendix A of the TMDL).

Chloride: The waterbodies identified in Table 1 of this Decision Document as being impaired for chloride all exceeded the IEPA chloride WQS (Table 5-5 of Appendix A of the TMDL). The exceedences appear to increase in both magnitude and frequency over the last 50 years (Table 5-12 of Appendix A of the TMDL).

Phosphorus: The waterbodies identified in Table 1 of this Decision document as being impaired for phosphorus all exceeded the IEPA phosphorus WQS for lakes (Table 5-6 of Appendix A of the TMDL). The Skokie Lagoons have been monitored for phosphorus since the late 1970's, and phosphorus levels were much higher until the late 1980's, when phosphorus level declined. However, the phosphorus levels still do not meet the WQS. The Chicago Botanic Garden Lake and Eagle Lake have much less monitoring data (Figure 5-13 of Appendix A of the TMDL).

Pollutant:
Fecal coliform: Bacteria exceedances can negatively impact recreational uses (e.g., fishing, swimming, wading, boating, 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/or stomach illness.

Chloride: Chloride is essential for aquatic life to carry out a range of biological functions. However, high concentrations of chloride in the surrounding water can harm cellular osmotic processes in aquatic life. Excessive dissolved chlorides in water may stress aquatic species and prohibit the transport of needed molecules into the cell. Persistent elevated concentrations of chloride in the water may result in aquatic life such as fish, invertebrates and even some plant species becoming stressed and/or dying.

Total phosphorus: While total phosphorus (TP) is an essential nutrient for aquatic life, elevated concentrations of TP can lead to nuisance algal blooms that negatively impact aquatic life and recreation (e.g., swimming, boating, fishing, etc.). Algal decomposition depletes oxygen levels which can stress benthic macroinvertebrates and fish. Excess algae can shade the water column which limits the distribution of aquatic vegetation. Aquatic vegetation stabilizes bottom sediments, and also is an important habitat for macroinvertebrates and fish. Furthermore, depletion of oxygen can cause phosphorus release from bottom sediments (i.e., internal loading).

Degradations in aquatic habitats or water quality (e.g., low dissolved oxygen) can negatively impact aquatic life use. Increased algal growth, brought on by elevated levels of nutrients within the water column, can reduce dissolved oxygen in the water column, and cause large shifts in dissolved oxygen and pH throughout the day. 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 NBCR watershed was given priority for TMDL development due to the impairment impacts on the public value of the impaired water resource, and the timing as part of the Illinois basin monitoring process. These waterbodies are within a heavily urbanized area, and are highly visible natural assets.

Source Identification (point and nonpoint sources):
<u>Point Source Identification</u>**:**
Fecal coliform and chloride: In Section 2.3.1.4 of the TMDL, IEPA identified three individual point sources located in the NBCR watersheds that discharge fecal coliform (Table 2-4 of the TMDL) and chloride (Table 2-18 of the TMDL). Of these three individual point sources, two are municipal wastewater treatment facilities only (WWTFs) and the remaining discharger is an industrial discharger. IEPA noted that three Combined Sewer Overflow (CSO) systems, which can discharge mixed stormwater and sewage during high-flow events are present in the watershed. IEPA also identified stormwater (Municipal Separate Storm Sewer Systems or MS4s) as a source of bacteria and chloride in the watersheds. Further discussion on how the numerous MS4 areas were calculated is in Section 5 of this Decision Document.

Phosphorus: IEPA determined that no WWTFs or CSOs discharge phosphorus in the lake watersheds. IEPA identified stormwater (MS4s) as a source of phosphorus in the watersheds (Section 2.3.4.4 and Table 2-33 of the TMDL). Further discussion on how the numerous MS4 areas were calculated is in Section 5 of this Decision Document.

<u>Nonpoint Source Identification</u>***:*** The potential nonpoint sources for the NBCR watershed TMDLs are extremely limited, as almost all of the watershed is urbanized and addressed through MS4 permits (Figure 5-17 of Appendix A of the TMDL).

Fecal coliform:
Non-regulated stormwater runoff: Non-regulated urban stormwater runoff can add fecal coliform to the impaired waters. The sources of bacteria in stormwater include animal/pet wastes, and wildlife. IEPA noted that that much of the watersheds are covered by a MS4 permit, and therefore non-regulated stormwater runoff has limited impact in the watersheds.

Agricultural Operations: Runoff from agricultural lands may contain significant amounts of bacteria which may lead to impairments in waterbodies. There is virtually no agricultural land in the NBCR River watershed.

Chloride:
Road salt runoff: IEPA determined that the major source of chloride loading to the NBCR watersheds is runoff from roadways containing road salt (Section 2.2 of the TMDL). Runoff from precipitation events as well as snowmelt can transport chloride into the waterbodies. IEPA noted that that much of the watersheds are covered by a MS4 permit, and therefore non-regulated stormwater runoff has limited impact in the watersheds.

Phosphorus:
Wildlife: IEPA noted that waterfowl can contribute phosphorus to the three lakes (Section 2.3 of the TMDL). IEPA estimated the waterfowl population then determined the potential impact of waterfowl on water quality.

Non-regulated stormwater runoff: Non-regulated stormwater runoff can add phosphorus to the impaired Lakes. Many of the same causes of bacteria loading also can contribute nutrients and organic material, such as pet wastes and wildlife.

Internal loading: The release of phosphorus from lake sediments via physical disturbance from benthic fish (rough fish, e.g., carp) and from wind mixing the water column may all contribute internal phosphorus loading to the lake. Phosphorus may build up in the bottom waters of the lake and may be resuspended. Under anoxic conditions, phosphorus-rich sediments can release phosphorus into the waterbody, increasing phosphorus impacts in the lake (Section 1.5.1.3.6 of the TMDL).

Population and future growth trends: The population for the watersheds is fairly significant; approximately 1.5 million people live in the watersheds (Section 2.3.1.5 of the TMDL). The population is expected to continue to grow over the foreseeable future. IEPA considered a reserve capacity to account for future growth, but determined that the loadings as calculated were sufficient (Sections 2.3.1.5 and 2.3.2.5 of the TMDL). IEPA determined that sufficient capacity exists at the WWTFs to address future population growth.

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this first element.

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 waterbody, the applicable numeric or narrative water quality criterion, and the antidegradation policy. (40 C.F.R. §130.7(c)(1)). 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.

Comment:
Designated Use/Standards: Section 2.1 of the TMDL states that the NBCR watersheds are not meeting the General Use designation. The applicable water quality standards (WQS) for these waterbodies 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 for General Use Water Quality Standards. The portions of the WQS that apply to the NBCR are General Use, specifically the Aquatic Life Use and Primary Contact Use (Section 2.1 of the TMDL).

Criteria: The applicable criteria are found in Table 3 of this Decision Document.

Table 3: WQSs for the impaired waters in the NBCR watersheds

Pollutant	Units	Criteria
Chloride	mg/L	500
Phosphorus	mg/L	0.05 (lakes)
Fecal coliform	Count/100 mL	May through October 200*, 400**

* - geometric mean based upon a minimum of 5 samples in a 30 day period
** - not to be exceed by more than 10% of the samples in a 30 day period

Target: The water quality targets for these TMDLs are in Table 3 of this Decision Document.

Fecal coliform: IEPA used the geometric mean portion of the WQS to determine loads. Allocations were developed for each bacteria-impaired segment based upon the 200 counts/100mL geometric mean portion of the WQS (Table 3 of this Decision Document). Although the loads were developed based upon the geometric mean portion of the WQS, IEPA noted that both portions of the WQS apply and must be met.

Chloride: The IEPA used the numeric WQS for chloride of 500 mg/L as the TMDL target.

Phosphorus: The IEPA used the numeric WQS for phosphorus for lakes of 0.05 mg/L as the TMDL target.

Other impairments: The waterbodies in the NBCR are also impaired for low dissolved oxygen (DO) and temperature (Table 2.1 of the TMDL). IEPA noted that the low DO impairments were analyzed and determined to be due to low reaeration, not due to a pollutant (Section 2.3 of the TMDL). Therefore, no TMDL was developed, and the State will review the listing status during the next 303(d) list process. IEPA also noted that the waterbodies were impaired due to phosphorus and sedimentation. IEPA explained that TMDLs for these impairments will be developed after numeric criteria are developed for these pollutants. However, IEPA did develop Best Managment Practices (BMPs) designed to reduce phosphorus and sediment loads entering the impaired waterbodies (Sections 3.3 and 3.6 of the TMDL).

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this second element.

3. Loading Capacity - Linking Water Quality and Pollutant Sources

A TMDL must identify the loading capacity of a waterbody for the applicable pollutant. 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)). If the TMDL is expressed in terms other than a daily load, e.g., an annual load, the submittal should explain why it is appropriate to express the TMDL in the unit of measurement chosen. 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. 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 stream 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.

Comment:
The approach utilized by the IEPA to calculate the loading capacity for the fecal coliform and chloride TMDLs is described in Section 1.5.2 of the TMDL. The TMDL summaries for fecal coliform and chloride are presented in Tables 4-15 at the end of this Decision Document. For phosphorus, the approach utilized by IEPA is described in Section 1.5.3 and Appendices G and H of the TMDL. The TMDL summaries for phosphorus are presented in Tables 16-18 of this Decision Document.

Fecal coliform and chloride: For the bacteria TMDLs the geometric mean of 200 counts/100 ml fecal coliform for five samples equally spaced over a 30-day period, was used to calculate the loading capacity of the bacteria TMDLs.

Typically loading capacities are expressed as a mass per time (e.g., pounds per day). However, for bacteria loading capacity calculations, mass is not always an appropriate measure because bacteria 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 CFR §130.2). To establish the loading capacities for the NBCR bacteria TMDLs, IEPA used Illinois's geometric mean portion of the water quality standards for fecal coliform (200 counts/100 mL). A loading capacity is, "the greatest amount of loading that a water can receive without violating water quality standards." (40 CFR §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 waterbody. If all sources meet the WQS at discharge, then the waterbody should meet the WQS and the designated use.

For the chloride TMDL, the water quality target from Table 3 of this Decision Document (500 mg/L) was used to calculate the loading capacities.

Flow data from several USGS gages in the watershed were used to develop the Load Duration Curves (LDCs). Flow data was available for a number of years (Section 2.7 and Table 2.3 of Appendix A of the TMDL). Daily stream flows are necessary to implement the LDC approach. The LDCs were created by multiplying individual flow values by the WQS and then multiplying that value by a conversion factor. The resulting points are plotted onto a load duration curve graph. The LDC graphs for impaired waterbodies have flow duration interval (percentage of time flow exceeded) on the X-axis and pollutant loads (number of bacteria or pollutant mass per unit time) on the Y-axis. The fecal coliform LDC used fecal coliform measurements in millions of bacteria per day, while the chloride LDC used pounds per day. The curved line on a LDC graph represents the TMDL for the respective flow conditions observed at that location.

Pollutant values from the monitoring sites were converted to individual sampling loads by multiplying the sample concentration by the instantaneous flow measurement observed/estimated at the time of sample collection. The individual sampling loads were plotted on the same figure with the LDC (Section 3 of the TMDL).

The LDC plot was subdivided into five flow regimes; high flow conditions (exceeded 0–10% of the time), moist flow conditions (exceeded 10–40% of the time), mid-range flow conditions (exceeded 40–60% of the time), dry flow conditions (exceeded 60–90% of the time), and low flow conditions (exceeded 90–100% of the time). LDC plots can be organized to display individual sampling loads and the calculated LDC. Watershed managers can interpret these plots (individual sampling points plotted with 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 LDC 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 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 BMPs may be the most effective for reducing pollutant loads based on flow magnitudes. Different sources will contribute pollutant 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 pollutant loading into surface waters. This allows for a more efficient implementation effort.

The TMDLs for the NBCR were calculated as appropriate. The regulated permittees discharging fecal coliform and chloride have allocations determined for them (Tables 4-15 of this Decision Document). The load allocations were calculated after the determination of the Margin of Safety. Other load allocations (e.g., non-regulated stormwater runoff, wildlife inputs, etc.) were not divided amongst individual nonpoint contributors. Instead, load allocations were combined into a generalized loading.

The LDCs for fecal coliform show exceedences under all flow conditions, and in similar magnitudes, indicating a variety of sources are contributing to the impairment (Figures 1-3 through 1-8 of the TMDL; incorporated herein). The LDCs for chloride show exceedences under most flow conditions, although there are significntly fewer exceedences overall. These exceedences occurred under mid- to lower-flow conditions (Figures 1-9 through 1-14 of the TMDL; incorporated herein).

Tables 4-15 of this Decision Document calculate five points (the midpoints of the designated flow regime) on the loading capacity curves. However, it should be understood that the components of the TMDL equation could be illustrated for any point on the entire loading capacity curve. The load duration curve method can be used to display collected pollutant monitoring data and allows for the estimation of load reductions necessary for attainment of the appropriate water quality standards. Using this method, daily loads were developed based upon the flow in the waterbody. Loading capacities were determined for the segment for multiple flow regimes. This allows the TMDLs to be represented by an allowable daily load across all flow conditions. Although there are numeric loads for each flow regime, the LDC is what is being approved for these TMDLs.

Phosphorus: To develop the TMDLs for the three lakes (Eagle Lake, Skokie Lagoon, and Chicago Botanic Garden Lake), IEPA used the Simplified Lake Model (SLAM) developed by CDM Smith (Section 1.4.3 of the TMDL). The SLAM model was originally developed as an enhanced version of the BATHTUB model. As noted in Section 1.4.3 of the TMDL,

> "SLAM calculates lake mass and flow balances on a daily time-step assuming one or more well-mixed lake zones. Each zone follows the conceptual model often referred to as a "continuously stirred tank reactor", whereby complete and immediate mixing is assumed for each zone in both the vertical and horizontal directions. This assumption makes the model particularly well suited for lakes that are generally well-mixed and can

justifiably be divided into a limited number of small and/or shallow zones. The model targets the key parameters important for eutrophic lakes: phytoplankton (as chl-a), phosphorus (P), and nitrogen (N) and can be easily modified to aid in assessment of unrelated conservative parameters such as total suspended solids (TSS)."

Loading of phosphorus from the surrounding watershed was calculated using estimated runoff values and export coefficients based upon land use (Appendix G of the TMDL). All three lakes consist of two or more subbasins, which can be modeled separately in SLAM. The Chicago Botanic Garden Lake flows into Skokie Lagoon, requiring additional modeling consideration. Eagle Lake consists of two subbasins, and is relatively isolated in the headwaters of the Middle Branch Chicago River watershed. All three lakes exhibited signs of internal loading of phosphorus, so IEPA adjusted the model to account for additional internal load. Tables 16 -18 of this Decision Document contain the TMDL summaries for the three lakes.

Table 16: Phosphorus TMDL Summary for Skokie Lagoons (RHJ)

Loading Source	LC (lb/day)	WLA (lb/day)	LA (lb/day)	MOS (lb/day)	Current Load (lb/day)	Reduction needed
Internal	1.59	-	1.43	0.16	9.45	83 %
External	2.73	0.75	1.70	0.27	21.48	87 %
Total	**4.32**	**0.75**	**3.13**	**0.43**	**30.94**	**86 %**

Table 17: Phosphorus TMDL summary for Chicago Botanic Garden Lake (RHJA)

Loading Source	LC (lb/day)	WLA (lb/day)	LA (lb/day)	MOS (lb/day)	Current Load (lb/day)	Reduction needed
Internal	0.225	-	0.202	0.022	0.353	36 %
External	0.260	0.066	0.168	0.026	0.496	48 %
Total	**0.485**	**0.066**	**0.371**	**0.049**	**0.850**	**43 %**

Table 18: Phosphorus TMDL summary for Eagle Lake (UHH)

Loading Source	LC (lb/day)	WLA (lb/day)	LA (lb/day)	MOS (lb/day)	Current Load (lb/day)	Reduction needed
Internal	0.225	-	0.202	0.022	0.353	36 %
External	0.260	0.066	0.168	0.026	0.496	48 %
Total	**0.485**	**0.066**	**0.371**	**0.049**	**0.850**	**43 %**

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this third element.

4. Load Allocations (LAs)

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.

Comment:
Fecal coliform: The LAs for fecal coliform are found in Tables 4-9 of this Decision Document. IEPA identified several nonpoint sources of bacteria in the watersheds, such as agricultural

runoff, failing septics, and wildlife. IEPA did not further quantify the LA for bacteria.

Chloride: The LAs for chloride are found in Tables 10-15 of this Decision Document. IEPA identified winter de-icing activities as the likely source of chloride. IEPA did not further quantify the LA for chloride.

Phosphorus: The LAs for phosphorus are found in Tables 16-18 of this Decision Document. Nonpoint sources of phosphorus identified by IEPA include non-regulated stormwater runoff and internal loading. IEPA did not further quantify the LAs for phosphorus.

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this fourth element.

5. Wasteload Allocations (WLAs)

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 and does not result in localized impairments. These individual WLAs may be adjusted during the NPDES permitting process. If the WLAs are adjusted, the individual effluent limits for each permit issued to a discharger on the impaired water must be consistent with the assumptions and requirements of the adjusted WLAs in the TMDL. If the WLAs are not adjusted, effluent limits contained in the permit must be consistent with the individual WLAs specified in the TMDL. If a draft permit provides for a higher load for a discharger than the corresponding individual WLA in the TMDL, the State/Tribe must demonstrate that the total WLA in the TMDL will be achieved through reductions in the remaining individual WLAs and that localized impairments will not result. All permittees should be notified of any deviations from the initial individual WLAs contained in the TMDL. EPA does not require the establishment of a new TMDL to reflect these revised allocations as long as the total WLA, as expressed in the TMDL, remains the same or decreases, and there is no reallocation between the total WLA and the total LA.

Comment:
Fecal coliform: IEPA determined loads for fecal coliform for the dischargers in the NBCR watersheds (Table 19 of this Decision Document). The WLAs are based upon two flow conditions; IEPA used the design average flow (DAF) of the facilities for the lower streamflow regimes (30%-100%) and the design maximum flow (DMF) of the facilities for the high streamflow regime (0%-30%). The appropriate flow was multiplied by the WQS of 200 counts/100 mL geometric mean for the facilities noted in Table 19 of this Decision Document (Section 2.3.1.4 and Table 2-4 of the TMDL)

IEPA identified three CSO dischargers in the watershed (Section 2.3.1.4 of the TMDL). For the fecal coliform TMDLs, IEPA reviewed the discharge records from 2011-2018 for CSO events for each of the CSO systems. The review indicated that the CSOs had very few discharges, as many discharge points are part of the Metropolitan Water Reclamation District (MWRD) of Greater Chicago Tunnel and Reservoir Plan (TARP). These systems convey stormwater into a series of tunnels and reservoirs for storage before pumping the water out, treating it, and discharging to a waterbody. IEPA noted that the Village of Niles CSOs and the Golf CSOs had no CSO discharges during the time in question. IEPA determined that for this TMDL study, no fecal coliform WLA was assigned to the CSO discharges (WLA = 0). However, IEPA noted that the allocation of zero was not intended to reflect an immediate requirement for zero discharge, but rather that the NPDES permittee shall comply with the nine minimum controls outlined in the National CSO policy published in the Federal Register on April 19, 1994 (Section 2.3.1.4 of the TMDL).

Table 19: Fecal coliform WLAs for the NBCR watershed

Facility	NPDES permit number	Stream segment	Effluent conc. Used (counts/100 ml	Design Average Flow (MGD)	WLA for DAF (M col/day)	Design Maximum Flow (MGD)	WLA for DMF
Village of Deerfield WWTF	IL0028347	HCCB-05	20	3.5	26,500	8.0	60,573
Abbot Labs	IL0066435	HCCC-02	NA	0.99	NA[1]	-	
North Shore Water Reclamation District	IL0030171	HCCD-09	200	17.8	134,776	28.8	218,064
Chicago CSOs	IL0045012	HCC-07	NA		Not calculated	Intermittent[2]	Not calculated
Golf CSOs	IL0072389	HCCB-05	NA		Not calculated	Intermittent[3]	Not calculated
Village of Niles CSOs	ILM580035	HCC-07	NA		Not calculated	Intermittent[3]	Not calculated

1 - Industrial discharger with no reasonable potential to discharge fecal coliform
2 - Infrequent discharge reported from one outfall since 2011in response to extreme rainfall event
3 - No reported discharge since at least 2011 for these CSOs

For MS4s, IEPA determined the land area within each segment watershed that was considered "developed" (Figure 2-1 of the TMDL). IEPA determined that a significant portion in the subwatersheds are addressed via combined sewer systems. Since these combined systems to not discharge to the waterbodies of concern, these areas were excluded from the WLA calculations (Section 2.3.1.4 of the TMDL). IEPA noted that many systems are designed to reduce flows, and discharge only under higher flow conditions. Therefore, IEPA calculated WLAs for MS4s that apply only to the upper 50% of flow conditions. Tables 20-25 at the end of this Decision Document contain the WLAs applicable to the MS4 dischargers.

For the West Fork of the North Branch of the Chicago River (HCCB-05), IEPA determined that the waterbody was effluent-dominated under lower flow conditions (i.e., dry and low flow conditions, Table 5 of this Decision Document). In this situation, the LC equaled the WLA and MOS; no LA was defined.

Chloride: Using a similar process to the fecal coliform section above, IEPA determined loads for the dischargers in the NBCR watersheds (Table 26 of this Decision Document). The WLAs are based upon two flow conditions; IEPA used the design average flow (DAF) of the facilities for the lower streamflow regimes (30%-100%) and the design maximum flow (DMF) of the facilities for the high streamflow regime (0%-30%). The appropriate flow was multiplied by the WQS of 500 mg/L for the facilities noted in Table 26 of this Decision Document (Section 2.3.2.4 and Table 2-18 of the TMDL). For the Abbot Labs facility, IEPA noted that the facility has a permitted effluent limit of 750 mg/L, above the in-stream standard of 500 mg/L. IEPA noted that the permit will be re-evaluated upon the next re-issuance.

IEPA identified three CSO dischargers in the watershed (Section 2.3.2.4 of the TMDL). IEPA performed the same analysis of the CSO records as in the fecal coliform TMDLs, and for the same reasons noted above, IEPA determined that for this TMDL study, no chloride WLA was assigned to the CSO discharges (WLA = 0). However, IEPA noted that the allocation of zero was not intended to reflect an immediate requirement for zero discharge, but rather that the NPDES permittee shall comply with the nine minimum controls outlined in the National CSO policy published in the Federal Register on April 19, 1994 (Section 2.3.2.4 of the TMDL).

Table 26: Chloride WLAs for the NBCR watershed

Facility	NPDES permit number	Stream segment	Effluent conc. Used (mg/L)	Design Average Flow (MGD)	WLA for DAF (lbs/day)	Design Maximum Flow (MGD)	WLA for DMF (lbs/day)
Village of Deerfield WWTF	IL0028347	HCCB-05	500[1]	3.5	14,596	8.0	33,362
Abbot Labs	IL0066435	HCCC-02	500[2]	0.99	6,193	-	-
North Shore Water Reclamation District	IL0030171	HCCD-09	500[1]	17.8	74,230	28.8	120,102
Chicago CSOs	IL0045012	HCC-07	NA		Not calculated	Intermittent[3]	Not calculated
Golf CSOs	IL0072389	HCCB-05	NA		Not calculated	Intermittent[4]	Not calculated
Village of Niles CSOs	ILM580035	HCC-07	NA		Not calculated	Intermittent[4]	Not calculated

[1] – No effluent limit for this facility; WLA based upon the in-stream standard
[2] – Based upon in-stream standard; existing permit limit for this facility is 750 mg/L
[3] - Infrequent discharge reported from one outfall since 2011 in response to extreme rainfall event
[4] - No reported discharge since at least 2011 for these CSOs

In some instances, the loading capacity in the lower flow zones for some reaches is less than the permitted wastewater treatment facility design flows. This is an artifact of using design flows for allocation setting and results in these point sources appearing to use all (or more than) the available loading capacity. To account for these unique situations, the WLAs and LAs in these flow zones where needed are expressed as an equation rather than an absolute number: Allocation = flow contribution from a given source x 500 mg/L. This amounts to assigning a concentration-based limit to these sources for the lower flow zones. By definition rainfall and thus runoff is very limited if not absent during low flow. Thus, runoff sources would need little-to-no allocation for these flow zones.

For MS4s, IEPA followed a similar process to that used in the fecal coliform TMDLs above (Section 2.3.2.4 of the TMDL). IEPA determined that a significant portion in the subwatersheds are addressed via combined sewer systems. Since these combined systems to not discharge to the waterbodies of concern, these areas were excluded from the WLA calculations (Section 2.3.1.4 of the TMDL). IEPA noted that many systems are designed to reduce flows, and discharge only under higher flow conditions. Therefore, IEPA calculated WLAs for MS4s that apply only to the upper 50% of flow conditions. Tables 27-32 at the end of this Decision document contain the WLAs applicable to the MS4 dischargers.

Phosphorus: No individual point sources discharging phosphorus were identified in the watersheds for the three lakes (Section 2.3.4.4 of the TMDL). For MS4s, IEPA utilized the SLAM model along with GIS data to determine the runoff of phosphrous from regulated and unregulated areas in the watershed. Tables 33-35 at the end of this Decision Document contain the WLAs applicable to the MS4 dischargers.

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this fifth element.

6. Margin of Safety (MOS)

The statute and regulations require that a TMDL include a margin of safety (MOS) to account for any lack of knowledge concerning the relationship between load and wasteload allocations and water quality (CWA §303(d)(1)(C), 40 C.F.R. §130.7(c)(1)). 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.

Comment:
Fecal coliform: The NBCR bacteria TMDLs incorporate an implicit MOS in the TMDL (Section 2.3.1.3 of the TMDL and Tables 4-9 of this Decision Document). IEPA used a conservative assumption that there was no rate of decay, or die-off rate of pathogen species, in the TMDL calculations or in the creation of the load duration curve 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 geometric mean portion of the WQS (200 counts/100 mL) and not to apply a rate of decay, which could result in a discharge limit greater than the WQS.

As stated 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 of 200 counts/100 mL. Thus, it is more conservative to apply the State's WQS as the MOS, because this standard must be met at all times under all environmental conditions.

Chloride: The chloride TMDLs incorporate an explicit MOS of 10% of the total loading capacity. The MOS reserved 10% of the loading capacity and allocated the remaining loads to point and nonpoint sources (Tables 10-15 of this Decision Document). As noted by IEPA, the use of the LDC approach minimized variability associated with the development of the chloride TMDLs because the calculation of the loading capacities are a function of flow multiplied by the target value. The MOS was set at 10% to account for uncertainty due to field sampling error and assumptions made during the TMDL development process.

Phosphorus: The phosphorus TMDLs incorporate both an explicit and an implicit MOS regarding the loading capacity (Section 2.3.4.3 of the TMDL). IEPA used an explicit MOS of 10% of the total loading capacity for each lake (Tables 16-18 of this Decision Document). In addition, IEPA utilized conservative assumptions in the SLAM model. During model development, IEPA utilized site-specific data for model inputs while utilizing the default model values for modeling error coefficients. The model technical documentation notes that this will likely overestimate the phosphorus concentrations, and result in slightly greater reductions than may be necessary (Section 2.3.4.3 and Appendix H of the TMDL).

EPA finds that the TMDL document submitted by IEPA has an appropriate MOS satisfying all requirements concerning this sixth element.

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)).

Comment:
The LDC process accounts for seasonal variation by utilizing streamflows over a wide range. The LDC graphs can be used to determine under which conditions exceedences are occurring, and any seasonal component (i.e., spring melt).

Bacterial loads vary by season, typically reaching higher values in the dry summer months when low flows and warm water contribute to increased bacteria abundance, and reaching relatively lower values in colder months when bacterial growth rates attenuate. Bacterial WQS need to be met between May 1st to October 31st, regardless of the flow condition. The development of the LDC utilized flow measurements from local flow gages. These flow measurements were collected over a variety of flow conditions observed during the recreation season. The LDC developed from these flow records represents a range of flow conditions within the impaired watersheds and thereby accounted for seasonal variability over the recreation season.

For chloride, the development of the LDC utilized flow measurements from local flow gages. These flow measurements were collected over a variety of flow conditions observed during the year. The LDC developed from these flow records represents a range of flow conditions within the impaired watersheds and thereby accounted for seasonal variability over the year.

For phosphorus, the SLAM model used to develop the TMDLs uses daily precipitation records over a multi-year time period to integrate variations in precipitation into runoff loads. IEPA noted that the model uses daily time-steps over a multi-year time period to develop loads. This would account for seasonal variations in loadings (Section 2.3.4.2 of the TMDL).

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this seventh element.

8. Reasonable Assurances

When a TMDL is developed for waters impaired by point sources only, the issuance of a National Pollutant Discharge Elimination System (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, 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 EPA to determine that the TMDL, including the load and wasteload allocations, has been established at a level necessary to implement water quality standards.

EPA's August 1997 TMDL Guidance also directs Regions to work with States to achieve TMDL load allocations in waters impaired only by nonpoint sources. However, EPA cannot disapprove a TMDL for nonpoint source-only impaired waters, which do not have a demonstration of reasonable assurance that LAs will be achieved, because such a showing is not required by current regulations.

Comment:
Section 3 of the TMDL discusses reasonable assurance for the NBCR watershed TMDLs. IEPA provided information on controls of fecal coliform, chloride, and DO-demanding substances that will be targeted in the watershed.

Point Sources:
Reasonable assurance that the WLAs will be implemented is through the NPDES program. IEPA listed numerous WWTPs that discharge the pollutants of concern in the NBCR watershed. WLAs have been determined for all three pollutants, and individual WLAs calculated for each point source discharger. Stormwater was identified as a source of the three pollutants, and IEPA has determined WLAs for each pollutant by subwatershed.

Fecal Coliform: The individual WWTF dischargers noted in Table 19 of this Decision Document already have bacteria effluent limits in their permits. As discussed in Section 5 of this Decision Document, the CSO discharges are limited in number, as the TARP control system has reduced CSO discharges. The TARP system collects and stores runoff during storm events, and then the water is sent under controlled flow to the WWTFs for treatment and discharge.

All regulated MS4 communities are required to satisfy the requirements of the MS4 general permit which requires the permittee to develop a Stormwater Pollution Prevention Plan (SWPPP) which addresses all permit requirements, including the following six minimum control measures:

- Public education and outreach;
- Public participation;
- Illicit Discharge Detection and Elimination (IDDE) Program;
- Construction-site runoff controls;
- Post-construction runoff controls; and
- Pollution prevention and municipal good housekeeping measures.

Chloride: To control chloride loads into the NBCR watershed, IEPA will focus on controlling road salt runoff in the watershed (Section 3.8.2 of the TMDL). To control chloride, IEPA will focus on operator training for both municipal salting operations as well as private contractors. IEPA noted that the Illinois Department of Transportation (ILDOT) has standard designs for salt storage and dispersal. IEPA will be working ILDOT to educate other state and local agencies responsible for salt dispersal.

Phosphorus: IEPA determined that there are no individually permitted dischargers of phosphorus in the watersheds of the lakes. However, much of the watersheds are covered under MS4 stormwater permits. Similar to the fecal coliform discussion above, IEPA noted that all regulated MS4 communities are required to satisfy the requirements of the MS4 general permit which requires the permittee to develop a SWPPP which addresses all permit requirements, including the six minimum control measures as noted above.

Nonpoint Sources:
Fecal coliform: Section 3.7.2 of the TMDL discusses various BMPs that, when implemented, will significantly reduce fecal coliform loadings to attain WQS. For most of these BMPs, IEPA provided watershed analysis on the impacts these BMPs may have on fecal coliform loads. IEPA noted that the usual source of bacteria loading (agricultural runoff), is not present in much of the watershed.

Chloride: To control chloride loads into the NBCR watershed, IEPA will focus on controlling road salt runoff in the watershed (Section 3.8.2 of the TMDL). The same actions and activities that apply to the stormwater discussion above apply to the nonregulated stormwater controls.

Phosphorus: While much of the watershed is covered under an MS4 permit, there are sources of nonpoint source pollution. Many of the BMPs used in the MS4 permits will also be useful in the non-regulated portions of the watershed. Section 3.5.2 of the TMDL discusses many of the BMPs that can and will be used in the watershed. IEPA also analyzed three options for internal loading of phosphorus in the lakes.

Local efforts:
IEPA also identified numerous watershed projects in the NBCR watershed that will reduce pollutant loads. Over the last two decades, several projects have been developed or completed in the watersheds, many utilizing Section 319 Nonpoint Source funds:

- Skokie Lagoons – Dredging was performed from 1986-1988 and treated wastewater was routed around the lagoons. Since 1995, the Cook County Forest Preserve District has initiated shoreline stabilization projects to reduce sediment and associated phosphorus from entering the lagoons.
- Skokie River – Since 1993, several restoration projects have been implemented in the Skokie River watershed to stabilize the riverbanks. These efforts also were utilized in the Chicago Botanic Garden Lake, and have resulted in significant improvements to the waterbodies.
- MWRD – In 2011, the MWRD in conjunction with local watershed groups, has developed the *Detailed Watershed Plan for the North Branch of the Chicago River and Lake Michigan Watershed: Volume 1*. In this plan, MWRD evaluated and developed several options for stormwater improvements. While this plan is not specifically addressing water quality, these improvements are to reduce flooding and erosion, and will very likely reduce stormwater pollutant loads.
- Lake County – In 2008, the Lake County Stormwater Management Commission prepared the *North Branch Chicago River Watershed-based Plan*. This plan was developed in part to improve water quality, and was developed with the input of numerous local cities and towns. Many of the BMPs have been implemented, and others are in the process of implementation.

IEPA also provided detailed analysis of the locations where various BMPs could be emplaced within the TMDL watersheds (for example, Figures 3-1 to 3-4 of the TMDL). These analyses can be utilized by local groups to target BMP locations or to use in the next update of the watershed plans.

EPA finds that this criterion has been adequately addressed.

9. Monitoring Plan to Track TMDL Effectiveness

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.

<u>Comment:</u>
The TMDL contains discussion on future monitoring and milestones (Section 3.14.2 of the TMDL). There were several monitoring sites used to gather data for the NBCR TMDLs. IEPA performs intensive basin surveys every 5 years on a rotating basins process. Additional monitoring has been done by the local groups and governments, such as the MWRD and Lake County, to track the progress of BMP installation and effectiveness.

EPA finds that this criterion has been adequately addressed.

10. Implementation

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, EPA policy recognizes that other relevant watershed management processes may be used in the TMDL process. EPA is not required to and does not approve TMDL implementation plans.

Comment:
Numerous implementation options are discussed in Section 3 of the TMDL. Many of the options focus on stormwater controls and stream restoration activities.

The potential BMPs for bacteria and phosphorus are:

- Ordinance development – local ordinances can have significant impacts on the design and operation of stormwater controls;
- Pet waste education – reduction of bacteria and nutrients through implementation of controls on pet waste;
- Septic System Inspection – improved septic system regulations and point of sale inspections can reduce the potential for failing systems;
- Green infrastructure – the use of permeable paving, rain gardens, etc. to reduce and control stormwater runoff; and
- Stream restoration – the MWRD and Lake County have led efforts to improve streams within the TMDL watersheds.

IEPA also provided data on the potential funding mechanisms available in the watershed (Section 3.12 of the TMDL). The section also provides cost estimates for various BMPs that could be utilized.

Significant efforts have been developed to address the reduction of chloride in the watershed. The ILDOT and Lake County have led efforts to develop and host annual workshops for public and private salt spreaders since 2008. These groups have also developed BMPs regarding salt practices in an effort to reduce salt loads throughout the watershed. A variety of best practices information and training materials are available on the website https://www.lakecountyil.gov/2284/Winter-Maintenance-Best-Practices.

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

11. Public Participation

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, EPA has explained that final TMDLs submitted to 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. When EPA establishes a TMDL, EPA regulations require EPA to publish a notice seeking public comment (40 C.F.R. §130.7(d)(2)).

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

Comment:
An initial public meeting was held on May 26, 2009, to describe the watershed plan and TMDL process. The public comment period for the draft TMDL opened on October 10, 2018, and closed on November 10, 2018. A public meeting was held on October 10, 2018, in Highland Park, Illinois. The public notices were published in the local newspaper and interested individuals and organizations received copies of the public notice. A hard copy of the TMDL was made available at the Village of Deerfield Public Works & Engineering office, Glenview Public Library, and the offices of the Lake County Stormwater Management Commission. The draft TMDL was also made available at the website http://www.epa.illinois.gov/public-notices/index.

Six public comments were received during the public notice period (Appendix I of the TMDL). The comments were either supportive of the TMDL effort, or requested the State to pursue further reductions in pollutants, especially for phosphorus. A summary of some of the comments and responses are below:

Using more recent and robust data: Commenters requested that IEPA ensure that the most recent data be used in the TMDL analysis, and that the State account for changes in future loadings due to climate change. IEPA noted that the TMDL analysis did give greater weight to the most recent data, and the TMDL development utilized data from several sources, to ensure the most robust data set. IEPA explained that TMDLs can be revised in the future as new data is developed, and a significant revision would be put forth for public comment and input. The State noted that while climate change will likely affect pollutant loads in the watershed, IEPA is unable to predict what those changes will be at this time. However, as already stated, the TMDL can be revised as new data is developed.

Phosphorus in the rivers should be addressed now: Commenters requested that IEPA develop loads and allocations for phosphorus in the rivers, and not wait until a future date. The commenters were concerned that delays will be critical in controlling phosphorus loads in the watershed. IEPA responded that numeric criteria are still in development, and TMDLs require a numeric endpoint. However, the TMDL does discuss efforts that will be taken to reduce sediment and phosphorus loads in the waterbodies. IEPA explained that many of the BMPs for bacteria will also reduce phosphorus loads (e.g., filter strips, streambank improvements, MS4 controls, etc.) as well as reduce sediment in the rivers. IEPA also noted that the NPDES permits for facilities in the watershed have a Special Condition which lays out the process for facilities to investigate and reduce phosphorus loads over the next 10 years. As above, IEPA noted that the TMDL will be reviewed once numeric criteria are developed or new data is obtained.

Better CSO controls: Commenters also requested that additional controls be implemented to reduce or eliminate CSO discharges. IEPA explained that CSO events in the TMDL watershed are already rare, and the TARP program has significantly reduced CSO loads into the watershed. IEPA stated that they continue to work with permittees to implement CSO controls as required under the NPDES permits. IEPA also is working with the permittees to consider how climate change will affect runoff and CSO events in the future.

The EPA carefully reviewed the comments submitted during the public notice period, as well as the responses from IEPA. The EPA agrees that IEPA appropriately addressed the comments and revised the TMDL document as appropriate. The EPA finds that the TMDL document submitted by the IEPA satisfies the requirements of this eleventh element

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 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 EPA review and approval. This clearly establishes the State's/Tribe's intent to submit, and 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 waterbody, and the pollutant(s) of concern.

Comment:
On March 13, 2020, EPA received the NBCR watershed TMDLs and a submittal letter from Sanjay Sofat, IEPA to the Water Division Director, EPA. In the submittal letter, IEPA stated it was submitting the TMDL report for EPA's final approval. The submittal letter included the name and location of the waterbodies and the pollutants of concern.

EPA finds that the TMDL document submitted by IEPA satisfies all requirements concerning this twelfth element.

13. Conclusion

After a full and complete review, EPA finds that the TMDLs for the North Branch Chicago River watersheds satisfy all of the elements of an approvable TMDL. This approval is for **15** TMDLs: six for fecal coliform, six for chloride, and three for phosphorus, as noted in Table 1 of this Decision Document.

EPA's approval of this TMDL does not extend to those waters that are within Indian Country, as defined in 18 U.S.C. Section 1151. EPA is taking no action to approve or disapprove TMDLs for those waters at this time. EPA, or eligible Indian Tribes, as appropriate, will retain responsibilities under the CWA Section 303(d) for those waters.

Table 4: Fecal Coliform TMDL for North Branch Segment HCC-07

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	2,779,619	528,489	2,251,130	implicit	443,283,218	99%
Moist	10 - 20	1,164,700	221,444	943,255	implicit	290,497,135	100%
	20 - 30	655,755	124,679	531,076	implicit	39,394,253	98%
	30 - 40	430,645	81,879	348,767	implicit	8,042,300	95%
Mid-Range	40 - 50	318,090	60,479	257,612	implicit	2,677,145	88%
	50 - 60	254,472	254,472	-[2]	implicit	1,626,665	84%
Dry	60 - 70	205,535	205,535	-[2]	implicit	7,978,682	97%
	70 - 80	166,386	166,386	-[2]	implicit	1,138,372	85%
	80 - 90	137,023	137,023	-[2]	implicit	3,009,036	95%
Low Flow	90 - 100	102,768	102,768	-[2]	implicit	862,269	88%

[1] Actual Load calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U.S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 5: Fecal Coliform TMDL for West Fork HCCB-05

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	303,409	8,339	295,070	implicit	10,433,360	97%
Moist	10 - 20	122,342	2,121	120,221	implicit	6,514,733	98%
	20 - 30	73,405	441	72,965	implicit	270,377	73%
	30 - 40	53,831	939	52,892	implicit	991,120	95%
Mid-Range	40 - 50	38,660	418	38,243	implicit	8,012,128	>99%
	50 - 60	30,341	3,840	26,501	implicit	133,588	77%
Dry	60 - 70	25,937	-[3]	25,937[4]	implicit	48,668	47%
	70 - 80	22,022	-[3]	22,022[4]	implicit	3,477,032	99%
	80 - 90	19,085	-[3]	19,085[4]	implicit	no data	no data
Low Flow	90 - 100	14,681	-[3]	14,681[4]	implicit	50,870	71%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U.S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

[3] Effluent dominated stream at lower flow ranges, all available LC applied to WLA.

[4] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 6: Fecal Coliform TMDL for Middle Fork HCCC-02

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	393,943	4,834	389,108	implicit	58,724,352	99.3%
Moist	10 - 20	141,917	1,742	140,176	implicit	10,048,715	98.6%
	20 - 30	78,299	961	77,338	implicit	800,119	90.2%
	30 - 40	48,937	601	48,336	implicit	286,379	82.9%
Mid-Range	40 - 50	35,235	432	34,802	implicit	3,415,213	99.0%
	50 - 60	23,490	23,490	-[2]	implicit	88,087	73.3%
	60 - 70	15,660	15,660	-[2]	implicit	170,301	90.8%
	70 - 80	9,298	9,298	-[2]	implicit	25,281	63.2%

Dry	80 - 90	5,383	5,383	-[2]	implicit	42,017	87.2%
Low Flow	90 - 100	2,373	2,373	-[2]	implicit	18,111	86.9%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U.S. EPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 7: Fecal Coliform TMDL for Middle Fork HCCC-04

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	1,513,146	77,539	1,435,608	implicit	130,793,288	99%
Moist	10 - 20	711,288	36,449	674,840	implicit	43,243,507	98%
	20 - 30	478,021	24,495	453,525	implicit	23,831,115	98%
	30 - 40	361,387	18,519	342,868	implicit	6,776,913	95%
Mid-Range	40 - 50	303,070	15,530	287,540	implicit	35,746,855	99%
	50 - 60	265,164	265,164	-[2]	implicit	43,008,527	99%
Dry	60 - 70	236,006	236,006	-[2]	implicit	1,264,097	81%
	70 - 80	215,595	215,595	-[2]	implicit	2,283,899	91%
	80 - 90	201,015	201,015	-[2]	implicit	551,413	64%
Low Flow	90 - 100	180,605	180,605	-[2]	implicit	843,891	79%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U.S. EPA 2007)

Table 8: Fecal Coliform TMDL for Skokie River HCCD-01

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	668,361	677	667,684	Implicit	179,009,450	100%
Moist	10 - 20	340,298	345	339,953	Implicit	62,406,363	99%
	20 - 30	254,716	258	254,458	Implicit	1,991,092	87%
	30 - 40	211,925	215	211,710	Implicit	18,179,211	99%
Mid-Range	40 - 50	188,152	191	187,962	Implicit	3,103,284	94%
	50 - 60	169,134	169,134	-[2]	Implicit	5,948,091	97%
Dry	60 - 70	153,920	153,920	-[2]	Implicit	6,075,332	97%
	70 - 80	135,377	135,377	-[2]	Implicit	273,658	51%
	80 - 90	120,162	120,162	-[2]	Implicit	30,819,717	100%
Low Flow	90 - 100	111,557	111,557	-[2]	Implicit	241,083	54%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U.S. EPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 9: Fecal Coliform TMDL for Skokie River HCCD-09

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	1,405,665	58,517	1,347,147	implicit	67,662,185	98%
Moist	10 - 20	645,932	21,083	624,850	implicit	no data	no data
	20 - 30	463,876	12,112	451,764	implicit	16,676,721	97%
	30 - 40	372,849	11,731	361,118	implicit	412,181	10%

Mid-Range	40 - 50	323,834	9,316	314,518	implicit	no data	no data
	50 - 60	288,823	154,047	134,776	implicit	2,818,207	90%
Dry	60 - 70	267,816	133,041	134,776	implicit	224,300	0%
	70 - 80	246,810	112,034	134,776	implicit	no data	no data
	80 - 90	232,806	98,030	134,776	implicit	32,742	0%
Low Flow	90 - 100	218,801	84,026	134,776	implicit	no data	no data

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (U. S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 10: Chloride TMDL for North Branch (HCC-07)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS – 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	1,477,017	252,743	1,076,572	147,702	1,693,502	13%
Moist	10 - 20	663,040	113,458	483,279	66,304	630,158	0%
	20 - 30	393,512	67,337	286,824	39,351	485,656	19%
	30 - 40	264,138	45,199	192,526	26,414	337,346	22%
Mid-Range	40 - 50	199,451	34,129	145,377	19,945	238,904	17%
	50 - 60	161,717	145,545	-[2]	16,172	186,997	14%
Dry	60 - 70	134,764	121,288	-[2]	13,476	128,938	0%
	70 - 80	110,507	99,456	-[2]	11,051	79,914	0%
	80 - 90	86,249	77,624	-[2]	8,625	48,127	0%
Low Flow	90 - 100	61,992	55,792	-[2]	6,199	34,438	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 11: Chloride TMDL for the West Fork (HCCB-05)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	172,498	5,150	150,099	17,250	221,608	22%
Moist	10 - 20	72,773	1,358	64,138	7,277	110,938	34%
	20 - 30	43,125	230	38,582	4,312	102,238	58%
	30 - 40	29,648	-[2]	26,683	2,965	49,821	40%
Mid-Range	40 - 50	24,258	-[2]	21,832	2,426	40,451	40%
	50 - 60	19,406	2,870	14,596	1,941	31,819	39%
Dry	60 - 70	15,902	-[2]	14,312[3]	1,590	22,116	28%
	70 - 80	13,207	-[2]	11,886[3]	1,321	12,101	0%
	80 - 90	11,320	-[2]	10,188[3]	1,132	7,596	0%
Low Flow	90 - 100	8,625	-[2]	7,762[3]	862	2,826	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.

[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 12: Chloride TMDL for the Middle Fork (HCCC-02)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)

High	0 - 10	245,271	9,845	210,898	24,527	237,762	0%
Moist	10 - 20	94,335	3,671	81,230	9,433	108,984	13%
	20 - 30	55,253	2,073	47,655	5,525	57,772	4%
	30 - 40	35,039	1,246	30,289	3,504	30,170	0%
Mid-Range	40 - 50	24,527	816	21,259	2,453	21,471	0%
	50 - 60	16,980	11,154	4,129	1,698	16,625	0%
Dry	60 - 70	11,051	5,817	4,129	1,105	9,172	0%
	70 - 80	6,738	1,936	4,129	674	5,226	0%
	80 - 90	3,504	-[2]	3,153[3]	350	3,049	0%
Low Flow	90 - 100	1,563	-[2]	1,407[3]	156	1,046	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.

[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 13: Chloride TMDL for the Middle Fork (HCCC-04)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	841,798	48,920	708,698	84,180	1,014,840	17%
Moist	10 - 20	413,009	24,001	347,707	41,301	416,292	1%
	20 - 30	276,503	16,068	232,784	27,650	280,330	1%
	30 - 40	210,659	12,242	177,351	21,066	346,788	39%
Mid-Range	40 - 50	172,116	10,002	144,902	17,212	173,460	1%
	50 - 60	146,421	131,779	-[2]	14,642	132,888	0%
Dry	60 - 70	130,361	117,325	-[2]	13,036	139,647	7%
	70 - 80	117,514	105,762	-[2]	11,751	111,663	0%
	80 - 90	104,666	94,200	-[2]	10,467	96,835	0%
Low Flow	90 - 100	93,424	84,082	-[2]	9,342	41,967	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 14: Chloride TMDL for Skokie River (HCCD-01)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS – 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	315,738	288	283,876	31,574	360,496	12%
Moist	10 - 20	161,238	147	144,967	16,124	95,986	0%
	20 - 30	121,959	111	109,652	12,196	47,856	0%
	30 - 40	103,628	94	93,171	10,363	67,092	0%
Mid-Range	40 - 50	90,535	83	81,399	9,053	74,922	0%
	50 - 60	82,941	74,647	-[2]	8,294	62,639	0%
Dry	60 - 70	75,609	68,048	-[2]	7,561	76,558	1.2%
	70 - 80	69,586	62,627	-[2]	6,959	85,347	18%
	80 - 90	65,134	58,621	-[2]	6,513	42,893	0%
Low Flow	90 - 100	61,337	55,203	-[2]	6,134	54,453	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 15: Chloride TMDL for Skokie River (HCCD-09)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS – 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	427,213	23,932	360,560	42,721	346,761	0%
Moist	10 - 20	207,390	6,024	180,627	20,739	147,330	0%
	20 - 30	149,542	1,311	133,276	14,954	144,188	0%
	30 - 40	126,403	-[2]	113,762	12,640	73,326	0%
Mid-Range	40 - 50	107,120	-[2]	96,408	10,712	70,798	0%
	50 - 60	95,550	11,765	74,230	9,555	65,226	0%
Dry	60 - 70	84,752	2,047	74,230	8,475	44,461	0%
	70 - 80	75,882	-[2]	68,294[3]	7,588	26,827	0%
	80 - 90	69,711	-[2]	62,740[3]	6,971	45,131	0%
Low Flow	90 - 100	64,119	-[2]	57,707[3]	6,412	24,385	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (U.S. EPA 2007)

[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.

[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 20: Fecal Coliform WLAs (mil col/Day) for MS4 Areas in North Branch Chicago River Segment HCC- 07

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	2.04	50,729	21,256	11,968	7,859	5,805	97,617
Chicago	ILR400173	0.40	9,935	4,163	2,344	1,539	1,137	19,119
Cook County Highway	ILR400485	0.4	8,706	3,648	2,054	1,349	996	16,752
Deerfield	ILR400324	5.49	136,577	57,228	32,221	21,160	15,629	262,815
Evanston	ILR400335	0.02	574	240	135	89	66	1,104
Glencoe	ILR400198	1.95	48,609	20,368	11,468	7,531	5,563	93,538
Glenview	ILR400343	11.7	290,978	121,924	68,646	45,081	33,299	559,928
Golf	ILR400200	0.31	7,724	3,237	1,822	1,197	884	14,864
Green Oaks	ILR400203	2.72	67,601	28,326	15,948	10,473	7,736	130,085
Highland Park	ILR400352	8.38	208,421	87,331	49,170	32,291	23,851	401,063
Highwood	ILR400353	0.24	6,069	2,543	1,432	940	695	11,678
IDOT	ILR400493	1.9	46,466	19,470	10,962	7,199	5,317	89,414
IL State Tollway Auth.	ILR400494	0.25	6,210	2,602	1,465	962	711	11,951
Lake Bluff	ILR400366	1.53	37,988	15,918	8,962	5,885	4,347	73,101
Lake County	ILR400517	5.97	148,579	62,257	35,052	23,019	17,003	285,909
Lake Forest	ILR400367	12.91	321,122	134,555	75,758	49,751	36,748	617,934
Lincolnshire	ILR400375	1.25	31,029	13,001	7,320	4,807	3,551	59,708
Morton Grove	ILR400391	3.44	85,549	35,846	20,182	13,254	9,790	164,622
Niles	ILR400398	1.70	42,316	17,731	9,983	6,556	4,843	81,429
North Chicago	ILR400402	3.27	81,439	34,124	19,213	12,617	9,320	156,712
Northbrook	ILR400404	11.46	285,016	119,426	67,240	44,157	32,616	548,456
Northfield	ILR400405	3.21	79,904	33,481	18,851	12,380	9,144	153,760
Park City	ILR400420	0.25	6,207	2,601	1,464	962	710	11,944
Riverwoods	ILR400431	1.47	36,662	15,362	8,649	5,680	4,195	70,548
Skokie	ILR400447	0.35	8,711	3,650	2,055	1,350	997	16,763
Waukegan	ILR400465	2.23	55,442	23,231	13,080	8,590	6,345	106,687
Wilmette	ILR400473	3.20	79,572	33,342	18,772	12,328	9,106	153,120

Winnetka	ILR400476	2.53	62,994	26,395	14,861	9,760	7,209	121,219
Total		**90.5**	**2,251,130**	**943,255**	**531,076**	**348,767**	**257,612**	**4,331,840**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 21: Fecal Coliform WLAs (mil col/Day) for MS4 Areas in West Fork Chicago River Segment HCCB-05

			High	**Moist**			**Mid-Range**	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total per MS4[1]**
Bannockburn	ILR400284	0.82	6,922	1,761	366	779	347	10,174
Cook County Highway Dept.	ILR400485	0.09	739	188	39	83	37	1,086
Deerfield	ILR400324	3.32	28,014	7,126	1,480	3,153	1,403	41,176
Glenview	ILR400343	9.53	80,340	20,436	4,245	9,042	4,023	118,086
Golf	ILR400200	0.35	2,925	744	155	329	146	4,300
IDOT	ILR400493	0.19	1,613	410	85	182	81	2,371
IL State Tollway Auth.	ILR400494	0.14	1,155	294	61	130	58	1,698
Lake County	ILR400517	0.81	6,832	1,738	361	769	342	10,042
Lake Forest	ILR400367	1.08	9,087	2,311	480	1,023	455	13,356
Lincolnshire	ILR400375	1.25	10,521	2,676	556	1,184	527	15,464
Morton Grove	ILR400391	0.44	3,691	939	195	415	185	5,425
Niles	ILR400398	0.01	56	14	3	6	3	82
Northbrook	ILR400404	7.92	66,759	16,981	3,528	7,513	3,343	98,124
Northfield	ILR400405	0.18	1,490	379	79	168	75	2,191
Riverwoods	ILR400431	1.47	12,431	3,162	657	1,399	622	18,272
Total		**27.6**	232,576	59,159	12,290	26,175	11,646	341,846

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 22 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-02

			High	**Moist**			**Mid-Range**	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total per MS4[1]**
Bannockburn	ILR400284	1.22	20,072	7,231	3,989	2,493	1,795	35,581
Cook County Highway Dept.	ILR400485	0.03	470	169	93	58	42	833
Deerfield	ILR400324	2.14	35,164	12,668	6,989	4,368	3,145	62,335
Glenview	ILR400343	0.05	869	313	173	108	78	1,541
Green Oaks	ILR400203	2.72	44,724	16,112	8,889	5,556	4,000	79,281
Highland Park	ILR400352	0.85	13,931	5,019	2,769	1,731	1,246	24,696
IDOT	ILR400493	0.16	2,603	938	517	323	233	4,614
IL State Tollway Auth.	ILR400494	0.11	1,754	632	349	218	157	3,109
Lake County	ILR400517	3.80	62,543	22,531	12,431	7,769	5,594	110,868
Lake Forest	ILR400367	6.64	109,373	39,402	21,739	13,587	9,782	193,883
North Chicago	ILR400402	0.05	849	306	169	105	76	1,505
Northbrook	ILR400404	2.14	35,177	12,673	6,992	4,370	3,146	62,358
Northfield	ILR400405	1.91	31,453	11,331	6,252	3,907	2,813	55,756
Waukegan	ILR400465	1.04	17,055	6,144	3,390	2,119	1,525	30,232
Total		**22.8**	**376,037**	**135,467**	**74,740**	**46,713**	**33,633**	**666,590**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 23: Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-04

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	1.22	650,222	305,652	205,413	155,294	130,234	1,446,814
Cook County Highway Dept.	ILR400485	0.12	66,077	31,061	20,875	15,781	13,235	147,029
Deerfield	ILR400324	2.17	1,157,327	544,027	365,613	276,406	231,802	2,575,176
Evanston	ILR400335	0.01	3,096	1,456	978	740	620	6,890
Glencoe	ILR400198	1.95	1,042,591	490,093	329,367	249,003	208,822	2,319,876
Glenview	ILR400343	2.19	1,170,886	550,402	369,897	279,645	234,518	2,605,348
Golf	ILR400200	0.10	54,012	25,389	17,063	12,900	10,818	120,182
Green Oaks	ILR400203	2.72	1,449,944	681,579	458,054	346,292	290,411	3,226,280
Highland Park	ILR400352	8.38	4,470,299	2,101,365	1,412,221	1,067,648	895,362	9,946,895
Highwood	ILR400353	0.24	130,169	61,189	41,122	31,088	26,072	289,640
IDOT	ILR400493	0.64	340,263	159,948	107,493	81,265	68,152	757,121
IL State Tollway Auth.	ILR400494	0.11	60,128	28,265	18,995	14,360	12,043	133,791
Lake Bluff	ILR400366	1.53	814,788	383,010	257,401	194,597	163,195	1,812,991
Lake County	ILR400517	4.50	2,398,771	1,127,597	757,800	572,902	480,453	5,337,523
Lake Forest	ILR400367	11.8	6,312,768	2,967,459	1,994,278	1,507,688	1,264,393	14,046,586
Morton Grove	ILR400391	0.08	44,918	21,115	14,190	10,728	8,997	99,947
North Chicago	ILR400402	3.27	1,746,732	821,091	551,813	417,175	349,855	3,886,666
Northbrook	ILR400404	3.54	1,890,270	888,564	597,159	451,456	378,605	4,206,053
Northfield	ILR400405	3.04	1,619,553	761,307	511,636	386,800	324,382	3,603,679
Park City	ILR400420	0.25	133,126	62,579	42,056	31,795	26,664	296,220
Skokie	ILR400447	0.28	148,317	69,720	46,855	35,423	29,707	330,020
Waukegan	ILR400465	2.23	1,189,148	558,986	375,666	284,006	238,176	2,645,982
Wilmette	ILR400473	3.06	1,630,979	766,679	515,246	389,529	326,671	3,629,104
Winnetka	ILR400476	2.53	1,351,125	635,127	426,837	322,691	270,619	3,006,399
Total		**22.8**	**29,875,509**	**14,043,657**	**9,438,027**	**7,135,213**	**5,983,805**	**66,476,210**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 24: Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Skokie River Segment HCCD-01

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Cook County Highway Dept.	ILR400485	0.05	1,595	812	608	506	449	3,970
Deerfield	ILR400324	0.03	1,112	566	424	353	313	2,767
Green Oaks	ILR400203	0.002	69	35	26	22	19	171
Highland Park	ILR400352	7.29	237,766	121,059	90,614	75,391	66,934	591,765
Highwood	ILR400353	0.24	7,955	4,050	3,032	2,522	2,239	19,799
IDOT	ILR400493	0.10	3,260	1,660	1,243	1,034	918	8,114

IL State Tollway Auth.	ILR400494	0.006	203	103	77	64	57	505
Lake Bluff	ILR400366	1.53	49,794	25,353	18,977	15,789	14,018	123,930
Lake County	ILR400517	1.37	44,555	22,686	16,980	14,128	12,543	110,892
Lake Forest	ILR400367	5.19	169,261	86,180	64,506	53,669	47,649	421,265
North Chicago	ILR400402	3.22	105,067	53,495	40,042	33,315	29,578	261,496
Northbrook	ILR400404	0.0001	2.5	1.3	1.0	0.8	0.7	6.3
Park City	ILR400420	0.25	8,136	4,142	3,101	2,580	2,290	20,249
Waukegan	ILR400465	1.19	38,909	19,810	14,828	12,337	10,953	96,838
Total		**20.5**	**667,684**	**339,953**	**254,458**	**211,710**	**187,962**	**1,661,767**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 25: Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Skokie River segment HCCD-09

			High	Moist			Mid-Range	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total per MS4[1]**
Cook County Highway Dept.	ILR400485	0.04	1,526	550	316	306	243	2,941
Deerfield	ILR400324	0.03	1,341	483	278	269	214	2,585
Glencoe	ILR400198	1.95	76,874	27,696	15,912	15,411	12,238	148,131
Green Oaks	ILR400203	0.00	83	30	17	17	13	160
Highland Park	ILR400352	7.53	296,337	106,764	61,336	59,405	47,175	571,017
Highwood	ILR400353	0.24	9,598	3,458	1,987	1,924	1,528	18,494
IDOT	ILR400493	0.42	16,510	5,948	3,417	3,310	2,628	31,813
IL State Tollway Auth.	ILR400494	0.006	245	88	51	49	39	472
Lake Bluff	ILR400366	1.53	60,078	21,645	12,435	12,043	9,564	115,765
Lake County	ILR400517	1.37	53,766	19,371	11,129	10,778	8,559	103,602
Lake Forest	ILR400367	5.19	204,218	73,575	42,269	40,939	32,510	393,511
North Chicago	ILR400402	3.22	126,766	45,671	26,238	25,412	20,180	244,268
Northbrook	ILR400404	1.41	55,353	19,942	11,457	11,096	8,812	106,660
Northfield	ILR400405	1.12	43,955	15,836	9,098	8,811	6,997	84,698
Park City	ILR400420	0.25	9,816	3,536	2,032	1,968	1,563	18,914
Waukegan	ILR400465	1.19	46,944	16,913	9,717	9,411	7,473	90,458
Wilmette	ILR400473	0.66	26,038	9,381	5,389	5,220	4,145	50,174
Winnetka	ILR400476	2.53	99,624	35,892	20,620	19,971	15,859	191,967
Total		**28.7**	**1,129,071**	**406,781**	**233,698**	**226,340**	**179,740**	**2,175,631**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 2-19 Chloride WLAs (lbs/day) for MS4 Areas in North Branch Chicago River Segment HCC-07

			High	Moist			Mid-Range	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total Per MS4[1]**
Bannockburn	ILR400284	2.04	50,729	21,256	11,968	7,859	5,805	97,617
Chicago	ILR400173	0.40	9,935	4,163	2,344	1,539	1,137	19,119
Cook County Highway	ILR400485	0.4	8,706	3,648	2,054	1,349	996	16,752
Deerfield	ILR400324	5.49	136,577	57,228	32,221	21,160	15,629	262,815

Evanston	ILR400335	0.02	574	240	135	89	66	1,104
Glencoe	ILR400198	1.95	48,609	20,368	11,468	7,531	5,563	93,538
Glenview	ILR400343	11.7	290,978	121,924	68,646	45,081	33,299	559,928
Golf	ILR400200	0.31	7,724	3,237	1,822	1,197	884	14,864
Green Oaks	ILR400203	2.72	67,601	28,326	15,948	10,473	7,736	130,085
Highland Park	ILR400352	8.38	208,421	87,331	49,170	32,291	23,851	401,063
Highwood	ILR400353	0.24	6,069	2,543	1,432	940	695	11,678
IDOT	ILR400493	1.9	46,466	19,470	10,962	7,199	5,317	89,414
IL State Tollway Auth.	ILR400494	0.25	6,210	2,602	1,465	962	711	11,951
Lake Bluff	ILR400366	1.53	37,988	15,918	8,962	5,885	4,347	73,101
Lake County	ILR400517	5.97	148,579	62,257	35,052	23,019	17,003	285,909
Lake Forest	ILR400367	12.91	321,122	134,555	75,758	49,751	36,748	617,934
Lincolnshire	ILR400375	1.25	31,029	13,001	7,320	4,807	3,551	59,708
Morton Grove	ILR400391	3.44	85,549	35,846	20,182	13,254	9,790	164,622
Niles	ILR400398	1.70	42,316	17,731	9,983	6,556	4,843	81,429
North Chicago	ILR400402	3.27	81,439	34,124	19,213	12,617	9,320	156,712
Northbrook	ILR400404	11.46	285,016	119,426	67,240	44,157	32,616	548,456
Northfield	ILR400405	3.21	79,904	33,481	18,851	12,380	9,144	153,760
Park City	ILR400420	0.25	6,207	2,601	1,464	962	710	11,944
Riverwoods	ILR400431	1.47	36,662	15,362	8,649	5,680	4,195	70,548
Skokie	ILR400447	0.35	8,711	3,650	2,055	1,350	997	16,763
Waukegan	ILR400465	2.23	55,442	23,231	13,080	8,590	6,345	106,687
Wilmette	ILR400473	3.20	79,572	33,342	18,772	12,328	9,106	153,120
Winnetka	ILR400476	2.53	62,994	26,395	14,861	9,760	7,209	121,219
Total		**90.5**	**2,251,130**	**943,255**	**531,076**	**348,767**	**257,612**	**4,331,840**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 27: Chloride WLAs (lbs/day) for MS4 Areas in North Branch Chicago River Segment HCCB-05

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[2]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%[1]	40 - 50%[1]	
Bannockburn	ILR400284	0.82	3,474	916	155	-	-	4,545
Cook County Hwy	ILR400485	0.09	371	98	17	-	-	485
Deerfield	ILR400324	3.32	14,061	3,707	629	-	-	18,397
Glenview	ILR400343	9.53	40,325	10,631	1,803	-	-	52,760
Golf	ILR400200	0.35	1,468	387	66	-	-	1,921
IDOT	ILR400493	0.19	810	213	36	-	-	1,059
IL State Tollway Auth.	ILR400494	0.14	580	153	26	-	-	759
Lake County	ILR400517	0.81	3,429	904	153	-	-	4,487
Lake Forest	ILR400367	1.08	4,561	1,202	204	-	-	5,967
Lincolnshire	ILR400375	1.25	5,281	1,392	236	-	-	6,909
Morton Grove	ILR400391	0.44	1,853	488	83	-	-	2,424
Niles	ILR400398	0.01	28	7.4	1.2	-	-	37
Northbrook	ILR400404	7.92	33,508	8,834	1,498	-	-	43,841
Northfield	ILR400405	0.18	748	197	33	-	-	979
Riverwoods	ILR400431	1.5	6,240	1,645	279	-	-	8,164
TOTAL		**27.6**	**116,737**	**30,776**	**5,220**	-	-	**152,733**

[1] *Effluent dominated stream below the 30% flow exceedance interval, all WLA allocated to Individually permitted point sources.*
[2] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 28: Chloride WLAs (lbs/day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-02

			High	Moist			Mid-Range	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total Per MS4[1]**
Bannockburn	ILR400284	1.22	11,037	4,115	2,323	1,396	914	19,786
Cook County Hwy	ILR400485	0.03	259	96	54	33	21	463
Deerfield	ILR400324	2.14	19,336	7,210	4,070	2,446	1,602	34,664
Glenview	ILR400343	0.05	478	178	101	60	40	857
Green Oaks	ILR400203	2.72	24,592	9,170	5,177	3,111	2,037	44,088
Highland Park	ILR400352	0.85	7,660	2,856	1,613	969	635	13,733
IDOT	ILR400493	0.16	1,431	534	301	181	119	2,566
IL State Tollway Auth.	ILR400494	0.11	964	360	203	122	80	1,729
Lake County	ILR400517	3.80	34,390	12,824	7,239	4,351	2,849	61,653
Lake Forest	ILR400367	6.64	60,141	22,426	12,660	7,609	4,982	107,818
North Chicago	ILR400402	0.05	467	174	98	59	39	837
Northbrook	ILR400404	2.14	19,343	7,213	4,072	2,447	1,602	34,677
Northfield	ILR400405	1.91	17,295	6,449	3,641	2,188	1,433	31,006
Waukegan	ILR400465	1.04	9,378	3,497	1,974	1,186	777	16,812
Total		**22.8**	**206,770**	**77,102**	**43,527**	**26,161**	**17,130**	**370,689**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 29: Chloride WLAs (lbs/day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-04

			High	Moist			Mid-Range	
Municipality	**NPDES ID**	**MS4 Area in Basin (sq mi)**	**0 - 10%**	**10 - 20%**	**20 - 30%**	**30 - 40%**	**40 - 50%**	**Total Per MS4[1]**
Bannockburn	ILR400284	1.22	15,424	7,568	5,066	3,860	3,154	35,072
Cook County Hwy	ILR400485	0.12	1,567	769	515	392	320	3,564
Deerfield	ILR400324	2.17	27,454	13,470	9,018	6,870	5,613	62,425
Evanston	ILR400335	0.01	73	36	24	18	15	167
Glencoe	ILR400198	1.95	24,732	12,134	8,124	6,189	5,057	56,236
Glenview	ILR400343	2.19	27,775	13,627	9,123	6,951	5,679	63,156
Golf	ILR400200	0.10	1,281	629	421	321	262	2,913
Green Oaks	ILR400203	2.72	34,395	16,875	11,298	8,607	7,033	78,208
Highland Park	ILR400352	8.38	106,043	52,028	34,832	26,537	21,682	241,122
Highwood	ILR400353	0.24	3,088	1,515	1,014	773	631	7,021
IDOT	ILR400493	0.64	8,072	3,960	2,651	2,020	1,650	18,353
IL State Tollway Auth.	ILR400494	0.11	1,426	700	469	357	292	3,243
Lake Bluff	ILR400366	1.53	19,328	9,483	6,349	4,837	3,952	43,949
Lake County	ILR400517	4.50	56,903	27,918	18,691	14,240	11,635	129,386
Lake Forest	ILR400367	11.83	149,750	73,471	49,188	37,475	30,618	340,502
Morton Grove	ILR400391	0.08	1,066	523	350	267	218	2,423

North Chicago	ILR400402	3.27	41,435	20,329	13,610	10,369	8,472	94,216
Northbrook	ILR400404	3.54	44,840	22,000	14,729	11,221	9,168	101,958
Northfield	ILR400405	3.04	38,419	18,849	12,619	9,614	7,855	87,356
Park City	ILR400420	0.25	3,158	1,549	1,037	790	646	7,181
Skokie	ILR400447	0.28	3,518	1,726	1,156	880	719	8,000
Waukegan	ILR400465	2.23	28,209	13,840	9,266	7,059	5,768	64,141
Wilmette	ILR400473	3.06	38,690	18,982	12,708	9,682	7,911	87,973
Winnetka	ILR400476	2.53	32,051	15,725	10,528	8,021	6,553	72,878
Total		**56.0**	**708,698**	**347,707**	**232,784**	**177,351**	**144,902**	**1,611,443**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 30: Chloride WLAs (lbs/day) for MS4 Areas in Skokie River Segment HCCD-01

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Cook County Hwy	ILR40048	0.05	678	346	262	223	194	1,704
Deerfield	ILR40032	0.03	473	241	183	155	136	1,187
Green Oaks	ILR40020	0.002	29	15	11	10	8	73
Highland Park	ILR40035	7.29	101,090	51,624	39,048	33,179	28,987	253,927
Highwood	ILR40035	0.24	3,382	1,727	1,306	1,110	970	8,496
IDOT	ILR40049	0.10	1,386	708	535	455	397	3,482
IL State Tollway Auth.	ILR40049	0.006	86	44	33	28	25	217
Lake Bluff	ILR40036	1.53	21,171	10,811	8,177	6,948	6,070	53,178

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-24 Chloride WLAs (lbs/day) for MS4 Areas in Skokie River Segment HCCD-09

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[2]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%[1]	40 - 50%[1]	
Cook County Hwy	ILR40048	0.04	325	82	18	-	-	425
Deerfield	ILR40032	0.03	286	72	16	-	-	373
Glencoe	ILR40019	1.95	16,372	4,121	897	-	-	21,390
Green Oaks	ILR40020	0.00	18	4	1	-	-	23
Highland Park	ILR40035	7.53	63,111	15,885	3,458	-	-	82,454
Highwood	ILR40035	0.24	2,044	515	112	-	-	2,671
IDOT	ILR40049	0.42	3,516	885	193	-	-	4,594
IL State Tollway Auth.	ILR40049	0.006	52	13	2.9	-	-	68
Lake Bluff	ILR40036	1.53	12,795	3,221	701	-	-	16,716
Lake County	ILR40051	1.37	11,450	2,882	627	-	-	14,960
Lake Forest	ILR40036	5.19	43,492	10,947	2,383	-	-	56,822
North Chicago	ILR40040	3.22	26,997	6,795	1,479	-	-	35,272
Northbrook	ILR40040	1.41	11,788	2,967	646	-	-	15,402
Northfield	ILR40040	1.12	9,361	2,356	513	-	-	12,230
Park City	ILR40042	0.25	2,090	526	115	-	-	2,731
Waukegan	ILR40046	1.19	9,998	2,516	548	-	-	13,062
Wilmette	ILR40047	0.66	5,545	1,396	304	-	-	7,245

Winnetka	ILR40047	2.53	21,217	5,340	1,162	-	-	27,720
Total		**28.7**	**240,458**	**60,525**	**13,174**	-	-	**314,157**

[1] *Effluent dominated stream below the 30% flow exceedance interval, all WLA allocated to Individually permitted point sources.*
[2] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 33: Allocation Summary for MS4s in the Skokie Lagoons Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Deerfield	25.0	0.2%	0.001
Glencoe	114	0.8%	0.006
Green Oaks	3.2	0.0%	0.000
Gurnee	103	0.8%	0.006
Highland Park	4,613	34.1%	0.257
Highwood	161	1.2%	0.009
Knollwood	381	2.8%	0.021
Lake Bluff	980	7.2%	0.055
Lake Forest	3,312	24.5%	0.185
North Chicago	2,061	15.2%	0.115
Northbrook	17.9	0.1%	0.001
Northfield	0.065	0.0%	0.000
Park City	486	3.6%	0.027
Waukegan	1,135	8.4%	0.063
Winnetka	131	1.0%	0.007
Total MS4	**13,522**	**100.0%**	**0.753**

Table 34: Allocation Summary for MS4s in the Chicago Botanic Garden Lake Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Northbrook	2.4	1.8%	0.0012
Highland Park	134.4	97.9%	0.0644
Glencoe	0.5	0.3%	0.0002
Total MS4 WLA	**137.3**	**100%**	**0.0657**

Table 35: Allocation Summary for MS4s in the Eagle Lake Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Mettawa	45.1	17.8%	0.045
Lake Forest	208.5	82.2%	0.208
Total MS4 WLA	**253.5**	**100%**	**0.253**

FINAL REPORT

North Branch Chicago River Watershed Total Maximum Daily Load (TMDL) Report

Prepared for Illinois EPA

April 2020

CDM Smith

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Acronyms

ACEP	Agricultural Conservation Easement Program
BMP	best management practice
BOD	biological oxygen demand
CBOD	carbonaceous biochemical oxygen demand
cfu	colony forming units
CSO	combined sewer overflow
CWA	Clean Water Act
DAF	design average flow
DMF	design maximum flow
DMR	discharge monitoring report
DO	dissolved oxygen
EQIP	Environmental Quality Incentives Program
GIS	geographic information system
IDA	Illinois Department of Agriculture
Illinois EPA	Illinois Environmental Protection Agency
LA	load allocation
lbs	pounds
LC	loading capacity
mg/L	milligrams per liter
mg/kg	milligrams per kilograms
ml	milliliters
MGD	million gallons per day
MOS	margin of safety
MS4	municipal separate storm sewer discharger
MWRD	Metropolitan Water Reclamation District of Greater Chicago
NBOD	nitrogeneous biochemical oxygen demand
NIPC	Northeastern Illinois Planning Commission
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NTU	nephelometric turbidity unit
NVSS	non-volatile suspended solids
POTW	publicly owned treatment work
RC	reserve capacity
SLAM	Simplified Lake Analysis Model
SOD	sediment oxygen demand
SSRP	Streambank Stabilization and Restoration Program
STORET	Storage and Retrieval Database
SWCD	Soil and Water Conservation District
TARP	Tunnel and Reservoir Plan
TMDL	total maximum daily load
TRM	turf reinforcement mat
TSS	total suspended solids
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
WLA	waste load allocation
WREP	Wetland Reserve Enhancement Partnership

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Executive Summary

A total maximum daily load, or TMDL, is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards. Development of TMDLs for waters that do not support their designated uses is a requirement of Section 303(d) of the Clean Water Act (CWA). The 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)

Stage 3 – Model Calibration, TMDL Scenarios, Implementation Plan

TMDL development for this watershed began in 2008. Stage 1 was completed in November 2009 under a contract with AECOM (*Upper North Branch Chicago River Watershed TMDL Stage 1 Report*, AECOM 2009). The stage 1 report is provided in **Appendix A**. No formal Stage 2 data collection was completed, but additional water quality data were collected and gathered by Illinois EPA, Metropolitan Water Reclamation District (MWRD) of Greater Chicago, and other agencies in the time between the completion of Stage 1 and the commencement of Stage 3. This TMDL Study encompasses six impaired stream segments and three impaired lakes or lagoon segments within the Upper North Branch Chicago River watershed. TMDL allocations have been set for phosphorus in lakes as well as for chloride and fecal coliform in streams. Impairments for dissolved oxygen are also addressed in this report, but final TMDL values are not presented. Impairments originally listed for manganese and pH in several stream segments have been removed from the 303(d) list since completion of the Stage 1 report. Temperature impairment on one stream segment could not be confirmed or assessed based on available data, therefore, a TMDL was not developed and additional impairment confirmation assessment is recommended. Additional impairments in the watershed include total suspended solids, sedimentation/siltation, and total phosphorus in streams. TMDLs are not provided for these impairments due to a lack of applicable numerical water quality standard; however, implementation strategies for these parameters are discussed in Section 3.

The sources of pollutants in the watershed include NPDES permitted facilities such as wastewater treatment facilities and regulated stormwater. In addition, sources of nonpoint pollution are largely the result of stormwater runoff in developed and undeveloped areas including nutrient and sediment loading from cultivated and heavily maintained landscapes such as lawns, parks, and golf courses.

The loading capacity for fecal coliform and chloride stream impairments is determined using a load duration curve framework. The loading capacities for total phosphorus impairments in lakes are developed using the Simplified Lake Assessment Model (SLAM). TMDLs and needed load reductions are presented in Section 2. The TMDL, or loading capacity, is distributed among permitted point sources as waste load allocations (WLA) and nonpoint and background sources as load allocations (LA). A margin of safety (MOS) is also included to account for uncertainty. Reserve Capacity (RC) may also be included in the TMDL load capacity (LC) analysis to account for future growth if the necessary information is available. The required pollutant reductions range from zero to 99% for fecal coliform under various flow conditions, zero to 58% for chloride, and zero to 88% for total phosphorus in lakes.

Section 3 of this report includes an implementation plan intended to provide basic information and direction to additional resources detailing potential implementation activities that can be employed to address the pollutant loads within the watershed.

Section 1

Methodology Development for the North Branch Chicago River Watershed

1.1 Total Maximum Daily Load Overview

A total maximum daily load, or TMDL, is a calculation of the maximum amount of a pollutant that a waterbody 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 waterbodies 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 waterbodies not meeting water quality standards every 2 years, and it is included in the Integrated Water Quality Report. Waterbodies on the 303(d) list are then targeted for TMDL development. The Illinois EPA's most recent Integrated Water Quality Report was submitted to the United States Environmental Protection Agency (USEPA) in July 2016. In accordance with USEPA's guidance, the report assigns all waters of the state to one of five categories. 303(d) listed waterbodies make up category five in the integrated report (Appendix A of the Integrated Report).

In general, a TMDL is a quantitative assessment of water quality impairments, contributing sources, and pollutant reductions needed to attain water quality standards. The TMDL specifies the amount of 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 waterbody.

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, to 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:

- The designated beneficial use or uses of a waterbody or segment of a waterbody
- The water quality criteria necessary to protect the use or uses of that particular waterbody
- An antidegradation policy

Examples of designated uses are primary contact (swimming), protection of aquatic life, 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.

TMDL allocations have been set for fecal coliform, chloride, dissolved oxygen, and total phosphorus in lakes. Additional impairments in the watershed include sediment (TSS, sedimentation/siltation) and phosphorus in streams. TMDLs are not provided for these impairments due to the lack of applicable numerical standards resulting in unknown needed reductions to meet water quality standards. However, implementation strategies to address sediment impairments in lakes and streams and phosphorus impairments in streams are discussed in the implementation section of this report.

1.2 TMDL Goals and Objectives for the North Branch Chicago River Watershed

The 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)

Stage 3 – Model Calibration, TMDL Scenarios, Implementation Plan

TMDL development for this watershed began in 2008. Stage 1 was completed in November 2009 under a contract with AECOM (*Upper North Branch Chicago River Watershed TMDL Stage 1 Report*, AECOM 2009). The Stage 1 report is available in **Appendix A** and included land use information (included in **Appendix B** of this report) and soils information (included in **Appendix C**). Stage 2 data collection was recommended but described as not imperative in the Stage 1 reporting process. No formal Stage 2 data collection was completed, but additional water quality data were collected and gathered by Illinois EPA, the Metropolitan Water Reclamation District (MWRD) of Greater Chicago, and other agencies in the time between the completion of Stage 1 and the commencement of Stage 3. All newly available data were assessed and incorporated into this Stage 3 report as appropriate, and are provided in **Appendix D**.

Following are the impaired waterbody segments in the North Branch Chicago River watershed:

- North Branch Chicago River (HCC-07)
- West Fork North Branch Chicago River (HCCB-05)
- Middle Fork North Branch Chicago River (HCCC-02)
- Middle Fork North Branch Chicago River (HCCC-04)
- Skokie River (HCCD-01)
- Skokie River (HCCD-09)
- Skokie Lagoons (RHJ)

- Chicago Botanic Garden Lake (RHJA)
- Eagle Lake (UHH)

These impaired waterbody segments are shown on **Figure 1-1**. There are nine impaired waterbody segments within the watershed for which TMDL development was initiated in 2008. **Table 1-1** lists the waterbody segment and cause of impairment for the waterbody.

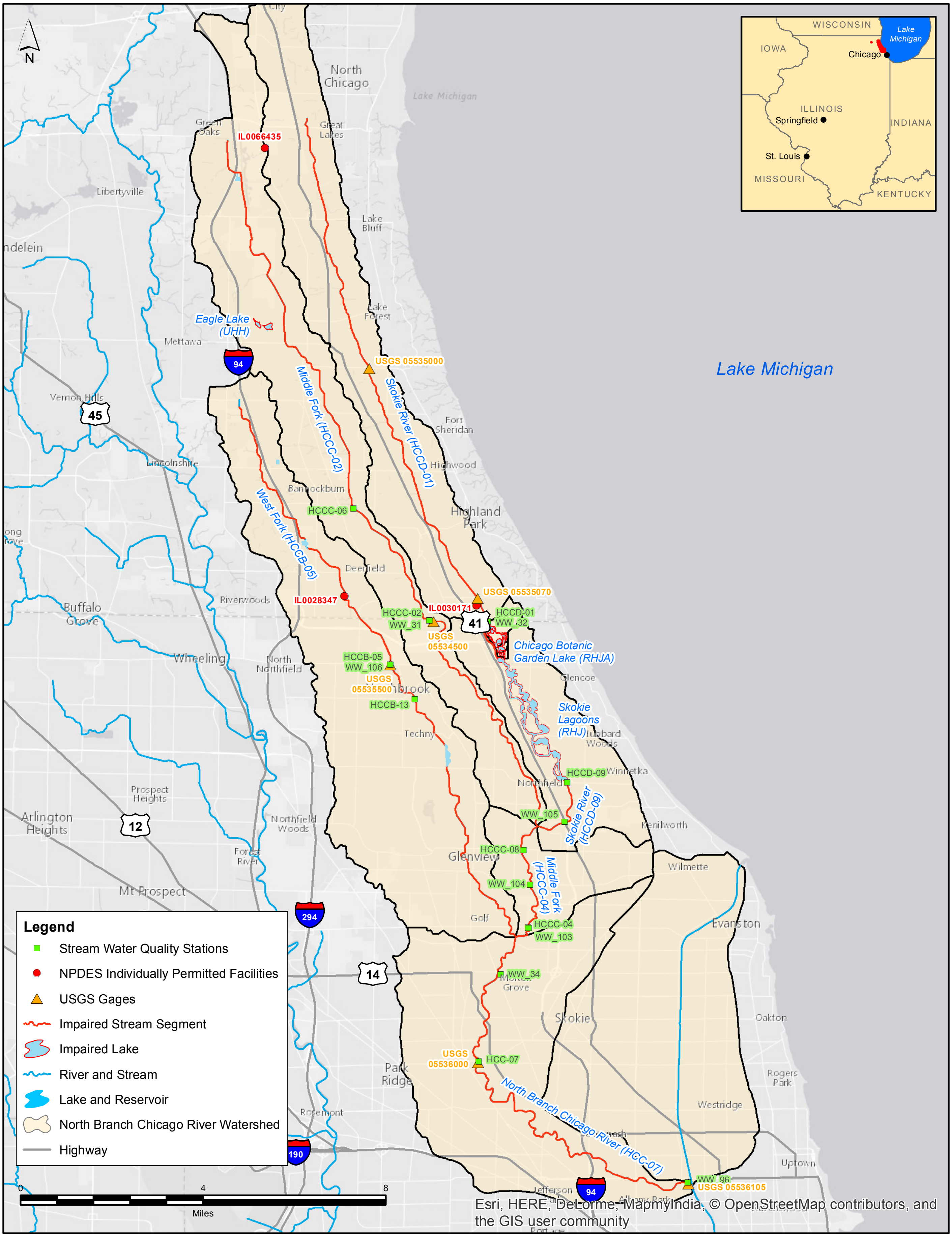
Table 1-1 Waterbodies and Impairments Originally Targeted for TMDL Development in the Upper North Branch Chicago River Watershed (based on the 2008 303(d) List)

Segment ID	Waterbody Name	TMDL Parameter	Other Impairment Parameters[2]
HCC-07	North Branch Chicago River	Dissolved Oxygen[1], Fecal Coliform, Chloride, *pH*	Phosphorus, total suspended solids (TSS)
HCCB-05	West Fork North Branch Chicago River	Dissolved Oxygen[1], Fecal Coliform, Chloride	Phosphorus, TSS
HCCC-02	Middle Fork North Branch Chicago River	Dissolved Oxygen[1], Fecal Coliform, Chloride, *Manganese*	Phosphorus, TSS, Sedimentation/Siltation
HCCC-04	Middle Fork North Branch Chicago River	Dissolved Oxygen[1], Fecal Coliform, Chloride, Water Temperature, *pH*	Phosphorus, TSS, Sedimentation/Siltation
HCCD-01	Skokie River	Dissolved Oxygen[1], Fecal Coliform, Chloride, *pH*	Phosphorus, TSS
HCCD-09	Skokie River	Dissolved Oxygen[1], Fecal Coliform, Chloride, *pH*	Phosphorus, Sedimentation/Siltation
RHJ	Skokie Lagoons	Phosphorus	TSS
RHJA	Chicago Botanic Garden Lake	Phosphorus	
UHH	Eagle Lake	Phosphorus	TSS

*Italicized parameters have been removed from the 303(d) list since completion of the Stage 1 report
[1]Dissolved Oxygen impairments are addressed in this report, but final TMDL values are not presented.
[2]Impariment parameters without numeric water quality standards. Not addressed by TMDL but included in implementation strategies in Section 3.

Impairments listed for TMDL development in the Stage 1 report for stream segments HCC-07, HCCC-04, HCCD-01, and HCCD-09 for pH; as well as HCCC-02 for manganese were removed from the 303(d) list after Stage 1 development was completed. In addition, the Stage 1 report was developed without discussing impairments caused by parameters without numeric water quality standards (e.g., sedimentation/siltation, TSS, and phosphorus in streams). Illinois EPA develops TMDLs for parameters that have numeric water quality standards while deferring development of TMDLs for parameters without numeric water quality standards until those criteria have been developed and adopted. However, these impairments are discussed in the implementation strategies in Section 3 of this report.

For potential causes that do not have numeric water quality standards as noted in **Table 1-1**, TMDLs were not developed. However, implementation strategies to address these impairments are discussed in Section 3 and some of the potential causes of these impairments may be addressed by implementation of controls for the pollutants with numeric water quality standards.



CDM Smith

North Branch Chicago River Watershed
Impaired Waterbodies for TMDL Development

FIGURE 1-1

The TMDLs for the segments listed above specify the following elements:

- Loading Capacity (LC) or the maximum amount of pollutant loading a waterbody 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:

$$TMDL = LC = \Sigma WLA + \Sigma LA + MOS + RC$$

TMDL development also takes into account the seasonal variability of pollutant loads so that water quality standards are met during all seasons of the year. Also, reasonable assurance that the TMDL targets will be achieved is described in the implementation plan. The implementation plan for the North Branch Chicago River Watershed describes how water quality standards and targets will be met and attained. This implementation plan includes recommendations for implementing point source controls, urban and rural BMPs, cost estimates, institutional needs to implement BMPs and controls throughout the watershed, and a timeframe for completion of implementation activities. The implementation plan for the North Branch Chicago River Watershed is provided in Section 3 of this document.

1.3 Existing Data Inventory

Illinois EPA provided project files previously collected and analyzed by AECOM for the Upper North Branch Chicago River Watershed TMDL project completed under the previous consultant's TMDL contract. This dataset included numerous files containing both water quality data and general watershed data related to the TMDL development process. Versions of several of the water quality models proposed in the Stage 1 report for TMDL development were included in the data transfer. While this dataset provided much of the information necessary to complete Stage 3 of the TMDLs, some level of uncertainty existed as to the completeness and usability of each of the data sources. A review and assessment of the existing dataset was necessary, the results of which are discussed below.

1.3.1 Existing Water Quality Data

Water quality data provided by Illinois EPA included a number of MS Access and MS Excel files containing water quality data originating from several sources. The bulk of the available water quality data were originally collected by Illinois EPA and MWRD. Based on a review of data summary and progress report documents produced by AECOM during the early stages of Stage 3 development, the original datasets compiled and used by AECOM did not appear to have been provided in full. Therefore, available data sources (Illinois EPA, MWRD, Lake County, etc.) were queried for relevant water quality data to supplement the existing water quality dataset provided.

All data identified were compiled into a watershed-specific database that contains approximately 122,000 sample results for the sampled waterbodies in the Upper North Branch Chicago River Watershed. The dataset includes sample results for approximately 140 different parameters, approximately 25 of which were potentially relevant to the TMDL development process (**Table 1-2**).

Table 1-2 List of Parameters Included in the Water Quality Dataset Compiled for the Upper North Branch Chicago River Watershed

Biological oxygen demand (BOD)	Nitrogen, Nitrate + Nitrite
BOD, carbonaceous (CBOD)	Nitrogen, Nitrate + Nitrite as N
Carbon, Total Organic	Nitrogen, Total Kjeldahl
Chloride	Oxygen, Dissolved
Chlorophyll (a+b+c)	Phosphorus
Chlorophyll a, corrected	Solids, Fixed
Chlorophyll a, uncorrected	Solids, Fixed Total
Coliform, Fecal	Solids, Fixed Volatile
Depth	Solids, Suspended Volatile
Depth, bottom	Solids, Total Suspended (TSS)
Depth, Secchi Disk	Solids, Total Volatile
Nitrogen, ammonia as N	Temperature, water
Nitrogen, Ammonia as NH3	

A summary of the relevant available data from the dataset compiled from Stage 1 data and additional data queried prior to the current Stage 3 development for each waterbody including period of record, sample count, minimum value, maximum value, and average value is provided in **Table 1-3**.

Table 1-3 Summary of Water Quality Data Reviewed for the Current Stage 3 Database Relevant to TMDL Development in the Upper North Branch Chicago River Watershed

Waterbody	Parameter	Units	Period of Record	Sample Count	Min	Max	Average
North Branch Chicago River HCC-07	BOD	mg/L	2001-2005	39	ND	16	3.1
	CBOD	mg/L	2001-2006	42	ND	6.0	2.1
	Carbon, Total Organic	mg/L	2000-2014	384	2.0	26	6.1
	Chloride	mg/L	1999-2014	405	1.0	1,650	278
	Chlorophyll a, corrected	µg/L	2001-2014	296	0.30	157	14
	Chlorophyll a, uncorrected	µg/L	2001-2006	31	5.2	95	17
	Coliform, Fecal	cfu/100mL	2000-2014	330	ND	100,000	3,137
	Depth	ft	2001-2002	11	1.0	1.0	1.0
	E. Coli	cfu/100mL	2001-2011	82	40	39,000	2,083
	Nitrogen, ammonia as N	mg/L	2001-2014	344	ND	4.7	0.19
	Nitrogen, Ammonia as NH3	mg/L	1999-2002	31	0.01	0.45	0.14
	Nitrogen, Nitrate + Nitrite	mg/L	1999-2014	321	0.03	11	4.0
	Nitrogen, Nitrate + Nitrite as N	mg/L	2003-2013	85	0.70	11	4.1
	Nitrogen, Total Kjeldahl	mg/L	1999-2014	385	ND	5.4	1.1
	Oxygen, Dissolved	mg/L	1999-2014	405	1.0	19	8.2
	Solids, Dissolved	mg/L	2001-2014	310	101	2,500	777
	Solids, Fixed Total	mg/L	1999-2002	31	9.0	238	42
	Solids, Fixed Volatile	mg/L	1999-2002	31	3.0	30	8.2
	Solids, Suspended Volatile	mg/L	2001-2014	371	ND	37	5.7
	TSS	mg/L	2001-2014	374	ND	153	24

Table 1-3 Summary of Water Quality Data Reviewed for the Current Stage 3 Database Relevant to TMDL Development in the Upper North Branch Chicago River Watershed

Waterbody	Parameter	Units	Period of Record	Sample Count	Min	Max	Average
	Temperature, water	deg C	1999-2014	403	-0.25	29	14
	Turbidity	NTU	1999-2013	364	2.5	186	21
	Phosphorus, Dissolved	mg/L	1999-2013	115	0.03	2.1	0.65
	Phosphorus, Total	mg/L	1999-2014	399	ND	2.6	0.78
West Fork North Branch Chicago River HCCB-05	CBOD	mg/L	2006-2006	3	1.0	3.0	2.0
	Carbon, Total Organic	mg/L	2001-2012	89	2.2	22	6.2
	Chloride	mg/L	2001-2012	92	89	2,076	418
	Chlorophyll a, corrected	µg/L	2001-2012	89	0.80	118	14
	Chlorophyll a, uncorrected	µg/L	2001-2011	12	1.6	24	8.9
	Coliform, Fecal	cfu/100mL	2001-2012	82	170	46,000	5,598
	Depth	ft	2001-2001	2	1.0	1.0	1.0
	E. Coli	cfu/100mL	2001-2011	23	200	6,700	2,382
	Nitrogen, ammonia as N	mg/L	2001-2012	92	ND	3.3	0.50
	Nitrogen, Ammonia as NH3	mg/L	2001-2001	2	0.15	1.9	1.0
	Nitrogen, Nitrate + Nitrite	mg/L	2001-2012	84	0.19	21	6.8
	Nitrogen, Nitrate + Nitrite as N	mg/L	2006-2011	10	1.9	16	8.2
	Nitrogen, Total Kjeldahl	mg/L	2001-2012	95	0.39	4.2	1.6
	Oxygen, Dissolved	mg/L	2001-2012	92	1.4	13	8.1
	Solids, Dissolved	mg/L	2001-2012	86	274	4,010	1,065
	Solids, Fixed Total	mg/L	2001-2001	2	43	61	52
	Solids, Fixed Volatile	mg/L	2001-2001	1	8.0	8.0	8.0
	Solids, Suspended Volatile	mg/L	2001-2012	93	ND	43	7.5
	TSS	mg/L	2001-2012	94	4.0	224	39
	Temperature, water	deg C	2001-2012	92	0.50	28	14
	Turbidity	NTU	2001-2012	91	4.8	136	30
	Phosphorus, Dissolved	mg/L	2001-2011	11	0.38	1.9	1.0
	Phosphorus, Total	mg/L	2001-2012	96	ND	3.8	1.4
Middle Fork North Branch Chicago River HCCC-02	CBOD	mg/L	2006-2006	3	1.0	2.0	1.7
	Carbon, Total Organic	mg/L	2001-2013	167	2.7	16	7.8
	Chloride	mg/L	1999-2013	236	47	1,080	268
	Chlorophyll a, corrected	µg/L	2001-2012	138	ND	38	8.6
	Chlorophyll a, uncorrected	µg/L	2001-2011	36	1.7	40	9.6
	Coliform, Fecal	cfu/100mL	1999-2013	163	40	728,000	6,955
	Depth	ft	2001-2002	11	1.0	1.0	1.0
	E. Coli	cfu/100mL	2001-2011	35	30	10,000	1,024
	Nitrogen, ammonia as N	mg/L	2001-2013	169	ND	1.2	0.16
	Nitrogen, Ammonia as NH3	mg/L	1999-2002	31	0.01	0.82	0.16
	Nitrogen, Nitrate + Nitrite	mg/L	1999-2012	144	ND	4.9	0.33
	Nitrogen, Nitrate + Nitrite as N	mg/L	2003-2013	89	0.03	1.0	0.30
	Nitrogen, Total Kjeldahl	mg/L	1999-2013	206	ND	4.0	0.99
	Oxygen, Dissolved	mg/L	1999-2013	239	ND	15	6.8
	Solids, Dissolved	mg/L	2001-2012	116	310	1,590	726
	Solids, Fixed Total	mg/L	1999-2002	30	5.0	202	38
	Solids, Fixed Volatile	mg/L	1999-2002	30	1.0	62	9.2
	Solids, Suspended Volatile	mg/L	2001-2013	203	ND	60	6.1
	TSS	mg/L	2001-2013	207	ND	497	26

Table 1-3 Summary of Water Quality Data Reviewed for the Current Stage 3 Database Relevant to TMDL Development in the Upper North Branch Chicago River Watershed

Waterbody	Parameter	Units	Period of Record	Sample Count	Min	Max	Average
	Temperature, water	deg C	1999-2013	236	-0.40	30	13
	Turbidity	NTU	1999-2013	234	3.1	312	22
	Phosphorus, Dissolved	mg/L	1999-2013	119	ND	1.1	0.09
	Phosphorus, Total	mg/L	1999-2013	236	ND	1.0	0.14
Middle Fork North Branch Chicago River HCCC-04	Carbon, Total Organic	mg/L	2001-2012	250	1.9	34	6.0
	Chloride	mg/L	2001-2012	248	32	1,346	285
	Chlorophyll a, corrected	µg/L	2001-2012	231	0.70	123	14
	Chlorophyll a, uncorrected	µg/L	2001-2011	9	5.8	41	19
	Coliform, Fecal	cfu/100mL	2001-2012	242	30	60,000	2,279
	Depth	ft	2001-2001	3	1.0	1.0	1.0
	E. Coli	cfu/100mL	2001-2011	71	80	51,000	1,686
	Nitrogen, ammonia as N	mg/L	2001-2012	249	ND	6.1	0.22
	Nitrogen, Ammonia as NH3	mg/L	2001-2001	3	0.13	0.38	0.25
	Nitrogen, Nitrate + Nitrite	mg/L	2001-2012	245	0.17	13	3.9
	Nitrogen, Nitrate + Nitrite as N	mg/L	2006-2011	7	0.56	8.2	4.8
	Nitrogen, Total Kjeldahl	mg/L	2001-2012	253	ND	6.1	1.2
	Oxygen, Dissolved	mg/L	2001-2012	251	3.6	13	7.5
	Solids, Dissolved	mg/L	2001-2012	242	154	3,884	810
	Solids, Fixed Total	mg/L	2001-2001	3	21	40	28
	Solids, Fixed Volatile	mg/L	2001-2001	2	6.0	9.0	7.5
	Solids, Suspended Volatile	mg/L	2001-2012	249	ND	49	5.8
	TSS	mg/L	2001-2012	249	ND	205	25
	Temperature, water	deg C	2001-2012	247	0.80	34	14
	Turbidity	NTU	2001-2012	241	3.0	146	19
	Phosphorus, Dissolved	mg/L	2001-2011	16	0.18	1.7	0.71
	Phosphorus, Total	mg/L	2001-2012	253	ND	3.0	0.77
Skokie River HCCD-01	Carbon, Total Organic	mg/L	2001-2012	118	2.8	24	7.1
	Chloride	mg/L	2001-2012	118	55	677	239
	Chlorophyll a, corrected	µg/L	2002-2012	106	0.50	91	10
	Coliform, Fecal	cfu/100mL	2001-2012	118	40	90,000	3,817
	E. Coli	cfu/100mlL	2001-2011	35	50	83,000	3,530
	Nitrogen, ammonia as N	mg/L	2001-2012	118	ND	1.5	0.20
	Nitrogen, Nitrate + Nitrite	mg/L	2001-2012	118	0.09	16	1.1
	Nitrogen, Total Kjeldahl	mg/L	2001-2012	118	ND	5.1	1.1
	Oxygen, Dissolved	mg/L	2001-2012	118	2.2	14	7.4
	Solids, Dissolved	mg/L	2001-2012	117	204	1,626	716
	Solids, Suspended Volatile	mg/L	2001-2012	118	ND	33	4.9
	TSS	mg/L	2001-2012	118	ND	274	22
	Temperature, water	deg C	2001-2012	113	1.0	34	15
	Turbidity	NTU	2001-2012	113	1.8	223	18
	Phosphorus, Dissolved	mg/L	2001-2001	5	ND	0.09	0.02
	Phosphorus, Total	mg/L	2001-2012	118	ND	2.9	0.27
Skokie River HCCD-09	Carbon, Total Organic	mg/L	2001-2012	144	2.1	23	5.7
	Chloride	mg/L	2001-2012	143	74	728	205
	Chlorophyll a, corrected	µg/L	2001-2012	135	0.40	91	18
	Chlorophyll a, uncorrected	µg/L	2001-2011	9	6.9	74	33

Table 1-3 Summary of Water Quality Data Reviewed for the Current Stage 3 Database Relevant to TMDL Development in the Upper North Branch Chicago River Watershed

Waterbody	Parameter	Units	Period of Record	Sample Count	Min	Max	Average
	Coliform, Fecal	cfu/100mL	2001-2012	136	ND	21,000	574
	Depth	ft	2001-2001	3	1.0	1.0	1.0
	E. Coli	cfu/100mL	2001-2011	41	9.0	13,000	719
	Nitrogen, ammonia as N	mg/L	2001-2012	143	ND	0.90	0.12
	Nitrogen, Ammonia as NH3	mg/L	2001-2001	3	0.01	0.48	0.17
	Nitrogen, Nitrate + Nitrite	mg/L	2001-2012	139	0.07	14	5.8
	Nitrogen, Nitrate + Nitrite as N	mg/L	2006-2011	7	0.67	10	5.7
	Nitrogen, Total Kjeldahl	mg/L	2001-2012	146	ND	2.8	1.1
	Oxygen, Dissolved	mg/L	2001-2012	145	4.1	14	8.0
	Solids, Dissolved	mg/L	2001-2012	136	280	1,552	653
	Solids, Fixed Total	mg/L	2001-2001	3	19	38	28
	Solids, Fixed Volatile	mg/L	2001-2001	2	4.0	6.0	5.0
	Solids, Suspended Volatile	mg/L	2001-2012	143	ND	17	5.2
	TSS	mg/L	2001-2012	143	3.0	84	21
	Temperature, water	deg C	2001-2012	142	1.0	28	14
	Turbidity	NTU	2001-2012	139	4.7	32	14
	Phosphorus, Dissolved	mg/L	2001-2011	12	0.12	2.5	0.94
	Phosphorus, Total	mg/L	2001-2012	147	ND	3.1	1.2
Skokie Lagoons RHJ	Carbon, Total Organic	%	2000-2011	14	0.98	9.7	4.1
	Chloride	mg/L	2003-2011	21	87	527	233
	Chlorophyll a, corrected	µg/L	2001-2011	57	7.1	271	46
	Chlorophyll a, uncorrected	µg/L	2001-2011	57	8.4	271	49
	Depth	ft	2000-2003	126	1.0	18	4.4
	Depth, bottom	ft	2001-2003	46	5.0	14	9.8
	Depth, Secchi Disk	in	2001-2003	46	12	54	24
	Nitrogen, ammonia as N	mg/L	2011-2011	6	0.10	0.51	0.24
	Nitrogen, Ammonia as NH3	mg/L	2001-2003	54	0.01	0.25	0.06
	Nitrogen, Nitrate + Nitrite as N	mg/L	2001-2011	67	0.01	2.8	0.25
	Nitrogen, Total Kjeldahl	mg/L	2001-2011	61	0.27	3.9	1.4
	Solids, Dissolved	mg/L	2003-2003	6	560	800	665
	Solids, Fixed Total	%	2011-2011	2	90	91	91
	Solids, Fixed Volatile	mg/L	2001-2003	54	1.0	15	7.1
	Solids, Suspended Volatile	mg/L	2011-2011	15	4.0	21	8.7
	TSS	mg/L	2001-2011	69	1.0	34	15
	Solids, Total Volatile	%	2011-2011	2	9.0	9.7	9.4
	Turbidity	NTU	2001-2001	12	11	38	20
	Phosphorus, Dissolved	mg/L	2001-2011	55	0.01	0.29	0.08
	Phosphorus, Total	mg/L	2001-2011	63	ND	0.51	0.16
	Nitrogen, Total Kjeldahl in Sediments	mg/kg	2000-2011	14	2,850	25,000	8,350
	Phosphorus, Total in Sediment	mg/kg	2000-2011	14	498	1,780	1,190
Chicago Botanic Garden Lake RHJA	Chlorophyll a, corrected	µg/L	2005-2005	29	2.4	46	20
	Chlorophyll a, uncorrected	µg/L	2005-2005	29	3.2	45	19
	Depth, bottom	ft	2004-2005	160	12	40	15
	Depth, Secchi Disk	in	2004-2005	159	14	61	30
	Nitrogen, Nitrate + Nitrite as N	mg/L	2004-2005	88	ND	0.75	0.14

Table 1-3 Summary of Water Quality Data Reviewed for the Current Stage 3 Database Relevant to TMDL Development in the Upper North Branch Chicago River Watershed

Waterbody	Parameter	Units	Period of Record	Sample Count	Min	Max	Average
	Nitrogen, Total Kjeldahl	mg/L	2005-2005	6	0.48	1.5	0.75
	Solids, Suspended Volatile	mg/L	2004-2005	85	ND	20	6.1
	TSS	mg/L	2004-2005	113	ND	41	14
	Phosphorus, Dissolved	mg/L	2004-2005	87	ND	0.11	0.01
	Phosphorus, Total	mg/L	2004-2005	94	0.01	0.18	0.05
Eagle Lake UHH	Phosphorus, Total	mg/L	2002-2002	20	0.04	0.12	0.08

1.4 Methodology Overview

Table 1-4 contains information on the methodologies selected and used to develop TMDLs for impaired segments within the North Branch Chicago River Watershed.

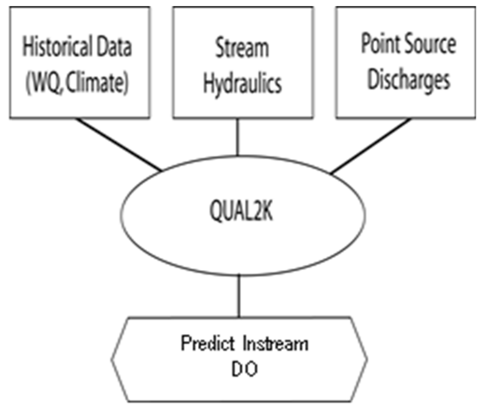
Table 1-4 Methodologies Used to Develop TMDLs in the North Branch Chicago River Watershed

Segment Name/ID	Causes of Impairment	Assessment Type	Methodology
North Branch (HCC-07)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
West Fork (HCCB-05)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
Middle Fork (HCCC-02)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
Middle Fork (HCCC-04)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
	Temperature	**No TMDL Developed[2]**	Spreadsheet Analysis
Skokie River (HCCD-01)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
Skokie River (HCCD-09)	**Dissolved Oxygen**	**No TMDL Developed[1]**	QUAL2K
	Fecal Coliform	**TMDL**	Load Duration Curve
	Chloride	**TMDL**	Load Duration Curve
Skokie Lagoons (RHJ)	**Total Phosphorus**	**TMDL**	SLAM Model
Chicago Botanic Garden (RHJA)	**Total Phosphorus**	**TMDL**	SLAM Model
Eagle Lake (UHH)	**Total Phosphorus**	**TMDL**	SLAM Model

[1] Modeling shows that impairment linked to low reaeration and high sediment oxygen demand rather than loads of oxygen demanding substances (CBOD, nitrogenous BOD [NBOD]), no TMDL developed.
[2] Insufficient data, current impairment not confirmed

1.4.1 QUAL2K Overview

The QUAL2K model was used to assess the dissolved oxygen (DO) impairments and identify probably causes of low DO in each of the DO-impaired stream segments in the North Branch Chicago River Watershed (North Branch HCC-07; West Fork HCCB-05; Middle Fork HCCC-02 & HCCC-04; Skokie River HCCD-01 & HCCD-09). This model was also used to assess the temperature impairment in segment HCCC-04 of the Middle Fork. 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 defaults to predict the resulting instream DO concentrations (see **Schematic 1**). Note that QUAL2K modeling efforts were used to identify causes of impairment and pollutant sources but did not result in numerical TMDL development for any of these impairments, as discussed in Sections 1.5.1 and 2.3 of this report.



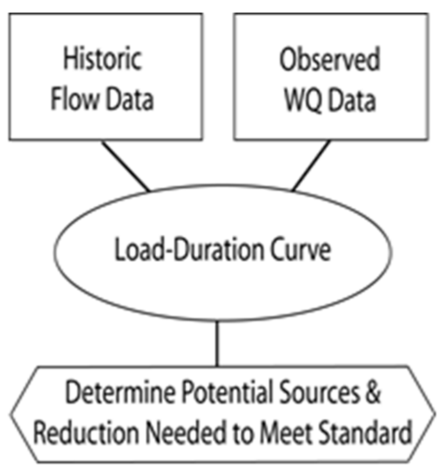
Schematic 1

1.4.2 Load-Duration Curve Overview

LC analyses were performed for each of the stream segments in this watershed impaired by fecal coliform bacteria and chloride through the development of a series of load-duration curves. A load-duration curve is 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 load-duration curve approach utilizes historical flow data and observed water quality data to assess the magnitude and frequency of exceedances as well as to determine the flow scenarios when exceedances occur most often (see **Schematic 2**). In the North Branch Chicago River Watershed, load duration curves were constructed at all segments for fecal coliform and chloride.

1.4.3 SLAM Overview

CDM Smith's Simplified Lake Analysis Model (SLAM) was used to develop TMDLs for each of the lakes impaired by total phosphorous (Skokie Lagoons RHJ; Chicago Botanic Garden RHJA; and Eagle Lake UHH). SLAM was developed specifically to address an identified need for a practical and low-cost water quality model focused on lake eutrophication that could be easily and simply applied in planning studies by a wide range of end-users. SLAM has proven to be highly usable, with streamlined functionality and data requirements, while still providing for a robust simulation of small lake nutrient and phytoplankton dynamics. The model was originally developed as an enhanced version of the USEPA-supported BATHTUB model and retains many of the core algorithms of that model.



Schematic 2

This model requires inputs from several data sources including online databases and geographic information system (GIS)-compatible data. SLAM calculates lake mass and flow balances on a daily time-step assuming one or more well-mixed lake zones. Each zone follows the conceptual model often referred to as a "continuously stirred tank reactor", whereby complete and immediate mixing is assumed for each zone in both the vertical and horizontal directions. This assumption makes the model particularly well suited for lakes that are generally well-mixed and can justifiably be divided into a limited number of small and/or shallow zones. The model targets the key parameters important for eutrophic lakes: phytoplankton (as chl-a), phosphorus (P), and nitrogen (N) and can be easily modified to aid in assessment of unrelated conservative parameters such as TSS.

SLAM also includes a state-of-the-art dynamic sediment nutrient flux module. This module calculates internal nutrient loads from the sediments to the water column as a function of shallow sediment nutrient dynamics and diffusive exchanges between sediment pore water and the overlying water column. Internal nutrient loads are a key component of many eutrophic lakes, particularly small and/or shallow lakes with moderate to large catchment areas. The inclusion of dynamic and rigorous sediment nutrient calculations within a practical planning level water quality model distinguishes SLAM from the majority of other published lake water quality models and is a particularly appealing feature for this application.

The model relies on empirical relationships to predict lake trophic conditions and subsequent DO conditions as functions of total phosphorus and nitrogen loads, residence time, and average lake depths. Watershed loadings to the lakes were estimated using event mean concentration data, precipitation data, and estimated runoff flows within the watershed. Subbasin flows were estimated using the area ratio method and phosphorus loadings to each reservoir from the surrounding watersheds were estimated using the unit area load method, also known as the "export coefficient" method (USEPA 2001). This method is based on the assumption that, on an annual basis and normalized to area, a roughly constant runoff pollutant loading can be expected for a given land use type. This method also requires that unit area loads are not applied to watersheds that differ greatly in climate, hydrology, soils, or ecology from those from which the parameters were derived.

1.4.4 Spreadsheet Analyses for Stream Temperature TMDL

Assessment of the temperature impairment in Middle Fork segment HCCC-04 was initially performed within the QUAL2K model developed to assess low DO in streams. However, due to data limitations, primarily the lack of continuous temperature monitoring data in the impaired segment, insufficient information exists to effectively address temperature issues within the QUAL2K model and no TMDL was developed. As a result, a simple spreadsheet approach was used to further assess the available temperature data to determine the geographic and temporal extent of the impairment. This assessment revealed that insufficient data currently exists to effectively develop a TMDL to address the temperature impairment, furthermore, the temperature impairment may not currently exist in segment HCCC-04 as the original source of the impairment listing was likely impacted by poor data quality.

Further assessment performed by Illinois EPA in early 2017 utilizing long-term and continuous temperature monitoring data collected by MWRD and the Illinois State Water Survey (ISWS) confirmed that the available data confirmed that temperature impairment does not currently exist in segment HCCC-04. Impairment caused by temperature exceedances at segment HCC-04 of the Middle Fork is recommended for removal from the 303(d) list upon the next revision.

1.5 Methodology Development

The following sections further discuss and describe the methodologies utilized to examine fecal coliform, chloride, temperature, and DO levels in the stream segments of the North Branch Chicago River Watershed, as well as total phosphorous and TSS levels in the lake segments of the watershed.

1.5.1 QUAL2K Model Development

QUAL2K (Q2K) is a river and stream water quality model that is intended to represent a modernized version of the QUAL2E (Q2E) model (Brown and Barnwell 1987). The original Q2E model is well-known and USEPA-supported. The modernized version has been updated to use MS Excel as the user interface and has expanded the options for stream segmentation as well as a number of other model inputs. Q2K simulates DO dynamics as a function of nitrogenous biochemical oxygen demand (NBOD) and carbonaceous biochemical oxygen demand (CBOD), atmospheric reaeration, sediment oxygen demand (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, Q2K can also be used to model nutrient and pH fluctuations within a stream segment.

All of the stream segments in the North Branch Chicago River Watershed that are impaired for DO adjoin, allowing for a single contiguous Q2K model to be developed capable of modeling all of the impaired segments simultaneously. Because Q2K models simulate steady-state diurnal cycles, the TMDL endpoint used for analysis at each segment was the 7-day average daily minimum water quality standard of 6.0 mg/L (March-July). The use of the 7-day minimum standard as a TMDL endpoint, as opposed to the 5.0 mg/L (March-July) instantaneous minimum standards, serves as a conservative measure.

1.5.1.1 QUAL2K Inputs

Table 1-5 contains the categories of data required for the Q2K models along with the sources of data used to analyze each of the impaired stream segments in the North Branch Chicago River Watershed.

Table 1-5 Q2K Data Inputs

Input Category	Data Source
Stream Segmentation	GIS data
Hydraulic characteristics	Aerial photographs; GIS
Headwater conditions	Historic water quality data
Meteorological conditions	National Climatic Data Center
Point Source contributions	Illinois EPA, USEPA's Permit Compliance System and Integrated Compliance Information System

Empirical data amassed during Stage 1 of TMDL development were used to build the Q2K models along with aerial photographs, GIS data, and stream cross section data, if available.

1.5.1.2 Stream Segmentation

The Q2K model represents a river as a series of reaches. Each reach shares constant channel geometry and hydraulic characteristics. The modeled North Branch system includes two first order tributaries, Skokie River and West Fork Chicago River and the mainstem North Branch Chicago River, which includes the Middle Fork of the Chicago River. These river segments were divided into a total of six reaches in the model: a single reach for the West Fork tributary, two reaches for the Skokie River, and three reaches for the mainstem. A total of 63.5 river miles were included in the model: 15 miles for both the Skokie and West Fork and 33.5 miles of the mainstem. **Figure 1-2** shows the stream segmentation used for the North Branch Q2K model.

1.5.1.3 Flow and Hydraulic Characteristics

Flow rates for the modeled period were set in the model based on measured flows at a series of U.S. Geological Survey (USGS) flow gages distributed throughout the modeled basin. The following gages were used to support the modeling (**Figure 1-2**): 05534500 (North Branch Chicago River at Deerfield), 05535070 (Skokie River near Highland Park), 05535500 (West Fork at Northbrook), 05536000 (North Branch Chicago River at Niles), 05536105 (North Branch Chicago River at Albany), and 05535000 (Skokie River at Lake Forest). Reach hydraulic parameters were set in the model based on detailed hydraulic data provided by the USGS for each of these gages. Historical depth and velocity measurements for a range of flow rates were used to develop simple empirical regression equations for direct use in the model. These equations estimate reach depth and velocity as a function of flow rate.

1.5.1.4 Headwater Conditions

Separate headwater conditions were established for each of the three upper reaches of the North Branch (Skokie, West Branch, and Middle Branch). Headwater flows were estimated using area-weighting of available stream gage data. Headwater subbasins are also shown in **Figure 1-2**. Headwater water quality conditions were set based on a combination of available in-stream water quality data, published urban runoff event mean concentrations (Lin 2004), and small adjustments made as part of the model calibration process.

1.5.1.5 Diffuse Flow

Diffuse flow gains were assumed for the Skokie River reaches based on flow balance calculations that included USGS flow gage and point source discharge information (described in Section 1.5.1.7). Flow balance calculations indicated the existence of a small, but significant, diffuse inflow to the Skokie River during the calibration period. No evidence of diffuse inflows was found for any of the other modeled reaches.

1.5.1.6 Climate

Q2K requires inputs for climate since they pertain to the calculation of water temperature and reaeration. For this analysis, no climate data were used directly in the model. Instead, basin air temperatures were set in the model based on typical summer values for this area and to achieve a modeled stream temperature profile that closely matches measured water temperatures (i.e., as part of the calibration process).

1.5.1.7 Point Sources

Three major National Pollutant Discharge Elimination System (NPDES) permitted point source dischargers with reported discharges during the model simulation period were included in the model. Additional NPDES permitted discharges in the watershed, such as combined sewer overflows (CSOs) and MS4s detailed elsewhere in this report, do not discharge during the critical low flow period and were therefore not included in the critical condition model. Q2K allows user input of point source locations, flow, and water quality data. Permit records were reviewed and reported discharge data were used for model input. Where necessary concentration data were not available, waterbody data and estimates based on other facilities in the watershed were used to develop approximated model inputs. Further adjustments were made to assumed discharge concentrations as part of the model calibration process. **Table 1-6** contains final model input information for each facility. The locations of each facility are shown in **Figure 1-2**. Flow information was available for each discharger; however, permit limit concentration data are available only for parameters that are sampled per permit requirements.

Table 1-6 Point Source Discharge Model Inputs for North Branch Chicago River QUAL2K Models

Facility Name	Permit Number	Average Facility Flows (MGD)	Receiving Segment	DO Model Input (mg/L)	CBOD (mg of O_2/L)	Ammonia N (µg/L)	Organic N (µg/L)[1]
Village of Deerfield	IL0028347	3.1	West Fork	5	5	240	9100
Abbott Laboratories	IL0066435	1.6	Middle Fork	5	7	240	1500
North Shore Water Reclamation District	IL0030171	14.6	Skokie	5	5	50	1500

1 Organic N data for discharges not available, estimated based on ammonia concentrations due to available waterbody data suggesting the values are functionally equivalent.
2 Discharge data limited, concentration based on average of other facilities.

1.5.1.8 QUAL2K Calibration

Sufficient water quality data were available to perform an approximate calibration of the model's kinetic and transport rates. A synoptic data set, spatially distributed data obtained on the same day (July 16, 2012), was available for the modeled system and was used to calibrate key model kinetic parameters and reach inflow loads. This calibration day can be considered representative of river critical conditions with respect to DO because it occurred during a period of low flows and high temperatures, and the river was effluent-dominated during this low flow period. Measured DO levels for this day were consistently below the applicable water quality standards, further supporting this assumption of critical conditions.

All model kinetic parameters were maintained within the model-recommended ranges during the calibration process (**Appendix E**). Due to uncertainty in diffuse source and point source discharge nutrient and CBOD concentration data, these model parameters were also adjusted from original settings as part of the calibration process. Key model calibration parameters included: CBOD and organic nitrogen settling rates, CBOD and NBOD oxidation rate constants, diffuse and point source discharge nutrient and CBOD concentrations, SOD rates, and reach reaeration coefficients. Prescribed, rather than calculated, reaeration rates were used for the modeling due to the fact that an acceptable calibration could not be achieved using the model calculated reaeration rates. There is likely significant uncertainty associated with both the reaeration rate calculations and the calculated reach hydraulics for the low flow conditions modeled here. Thus, the handling of reaeration rates as calibration parameters was necessary and appropriate.

Ultimately, the calibration process revealed that an acceptable calibration of the model to the observed DO levels throughout the reach could not be achieved without manually reducing modeled reaeration rates from their originally calculated values. The calibration exercise revealed that the observed low DO levels in the modeled reaches are primarily attributable to a combination of high SOD and low reaeration, as discussed below. Final measured versus modeled calibration profiles are provided in Appendix E.

1.5.2 Load Duration Curves

Load duration curves are useful for assessing the range of pollutant loads allowable at various flow rates throughout the full flow regime of a stream. This approach was used to characterize the current loading of fecal coliform bacteria and chloride to impaired segments HCC-07 of the North Branch, HCCB-05 of the West Fork, HCCC-02 and HCCC-04 of the Middle Fork, and HCCD-01 and HCCD-09 of the Skokie River.

1.5.2.1 Watershed Delineation and Flow Estimation

Watershed areas for each impaired stream segment were delineated using GIS analyses through use of the National Elevation Dataset, as well as through visual assessment of aerial photographs. The watershed delineations result in the following estimates of total watershed areas contributing to each impaired segment that were used for each impaired segment's load duration curve development:

- North Branch HCC-07: 113 square miles
- West Fork HCCB-05: 11.5 square miles
- Middle Fork HCCC-02: 23.9 square miles
- Middle Fork HCCC-04: 59.6 square miles
- Skokie River HCCD-01: 20.3 square miles
- Skokie River HCCD-09: 30.2 square miles

Figure 1-2 shows the location of the water quality stations on each segment as well as the boundary of the GIS-delineated watersheds.

In order to create a load duration curve, it is necessary to obtain stream flow data that corresponds to each water quality sample. There are six active USGS stream gages within North Branch Chicago River watershed (**Figure 1-2**). Where available, stream gages located on an impaired segment were used to estimate flows. In other cases, the closest available gage with similar watershed characteristics was used to estimate flows using the drainage area ratio method represented by the following equation:

$$Q_{gauged}\left(\frac{Area_{ungauged}}{Area_{gauged}}\right) = Q_{ungauged}$$

where, Q_{gaged} = Streamflow of the gaged basin

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

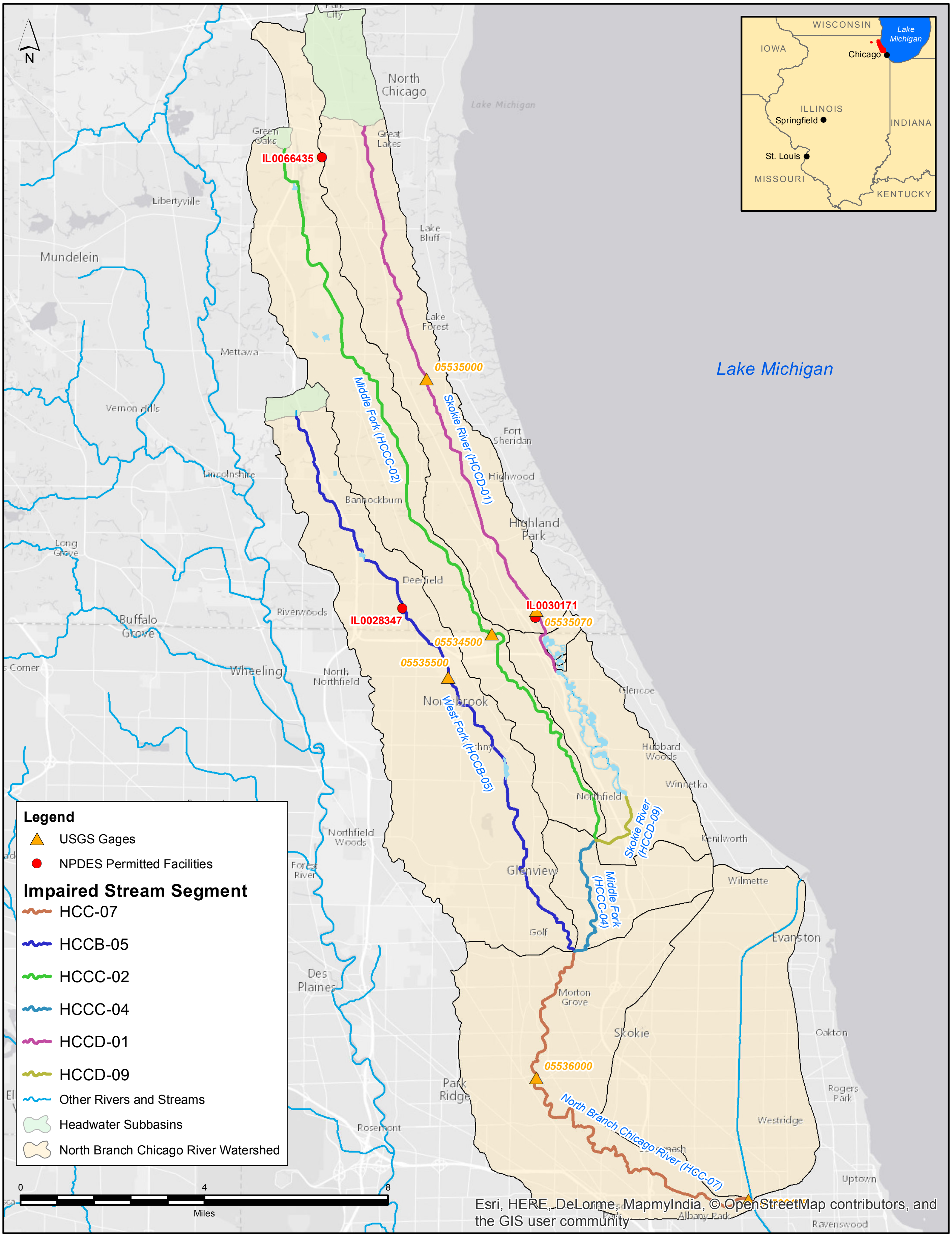
$Area_{gaged}$ = Area of the gaged basin

$Area_{ungaged}$ = 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 ratio of the area of the ungaged watershed to the area of the gaged watershed estimates the flow for the ungaged watershed.

Data downloaded through the USGS for the surrogate gages for the available periods of record were adjusted to account for point source influences in the watershed upstream of the gauging 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

North Branch Chicago River Watershed were then added back into the equation to more accurately reflect estimated daily streamflow conditions in a given segment. The gage used to approximate flows for each impaired stream segment or waterbody are provided in **Table 1-7**.



CDM Smith

North Branch Chicago River Watershed Stream Segmentation for QUAL2K Modeling

FIGURE 1-2

Table 1-7: Active USGS Gages and Applicable Segments/Waterbodies in the North Branch Chicago River Watershed

Gage ID	Gage Name	Gaged Watershed Area (Sq. Miles)	Applicable Impaired Segments
USGS 05536105	North Branch Chicago River at Albany Ave at Chicago	113	North Branch Chicago River - HCC-07
USGS 05536000	North Branch Chicago River at Niles	100	Middle Fork of North Branch Chicago River - HCCC-04
USGS 05535500	West Fork of North Branch Chicago River at Northbrook	11.5	West Fork of North Branch Chicago River - HCCB-05
USGS 05534500	North Branch Chicago River at Deerfield	19.7	Middle Fork of North Branch Chicago River - HCCC-02
USGS 05535070	Skokie River near Highland Park	21.1	Skokie River - HCCD-01 and HCCD-09, Chicago Botanic Garden Lake (RHJA)1, Skokie Lagoons (RHJ)1
USGS 05535000	Skokie River at Lake Forest	13.0	Eagle Lake (UHH)1

[1]Lake impairments are detailed in **Section 1.2.**

1.5.2.2 Fecal Coliform TMDLs for Streams

Flow duration curves for fecal coliform were developed for impaired segments of the North Branch Chicago River (HCC-07), West Fork of North Fork Chicago River (HCCB-05), Middle Fork of North Branch Chicago River (HCCC-02 and HCCC-04), and Skokie River (HCCD-01 and HCCD-09) by determining the percent of days each estimated flow was exceeded, and then graphically plotting the results. However, because the fecal coliform standard is seasonal and is applicable only between the months of May and October, flows not recorded during this time period were omitted from the analyses. The estimated daily stream flows were then multiplied by the more conservative water quality standard of 200 colony forming units (cfu)/100 milliliters (mL) (as a daily maximum) to generate load duration curves for each segment. A load duration curve is a graphical display of the maximum allowable load of fecal coliform across all reported flow values for a given stream segment.

To assess primary contact use, Illinois EPA uses all fecal coliform bacteria from water samples collected in May through October, over the most recent five-year period. Therefore, fecal coliform data collected from each impaired segment between May and October for the most recent five-years of available data (typically 2011-2015) were compiled from data amassed during Stage 1 of TMDL development. The existing Stage 1 dataset was then supplemented with any additional data collected since the completion of the Stage 1 report. These data were then paired with the corresponding daily average flow for each sampling date and plotted against the load duration curve. The resulting load duration curve figures for each impaired segment depict the maximum allowable load at each flow level along with the observed fecal coliform loads based on sample data (**Figures 1-3** through **1-8**).

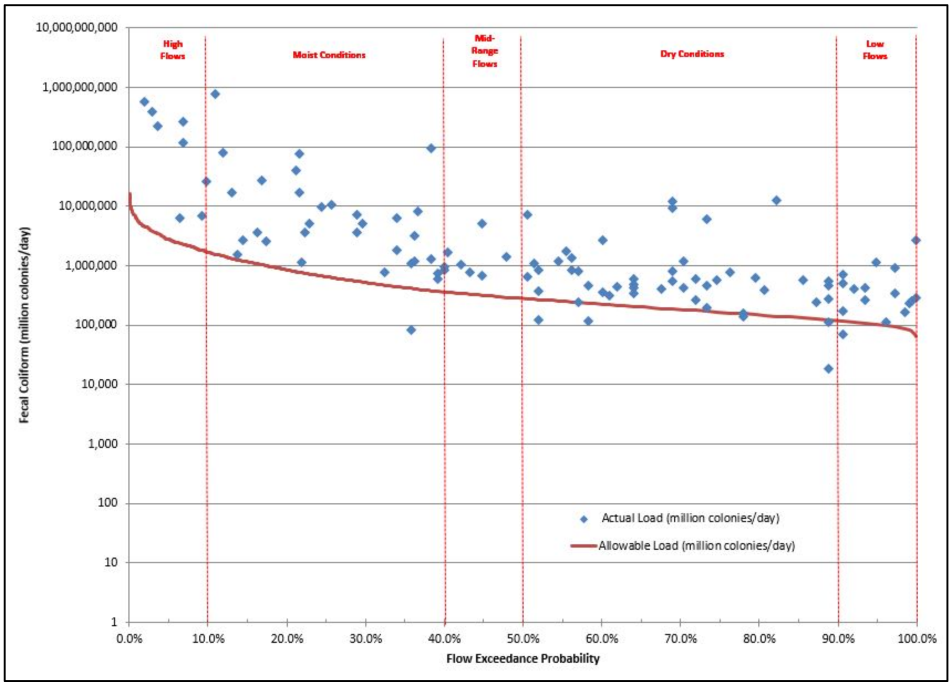


Figure 1-3 Middle Fork of North Branch Chicago River (HCC-07) Fecal Coliform Load Duration Curve

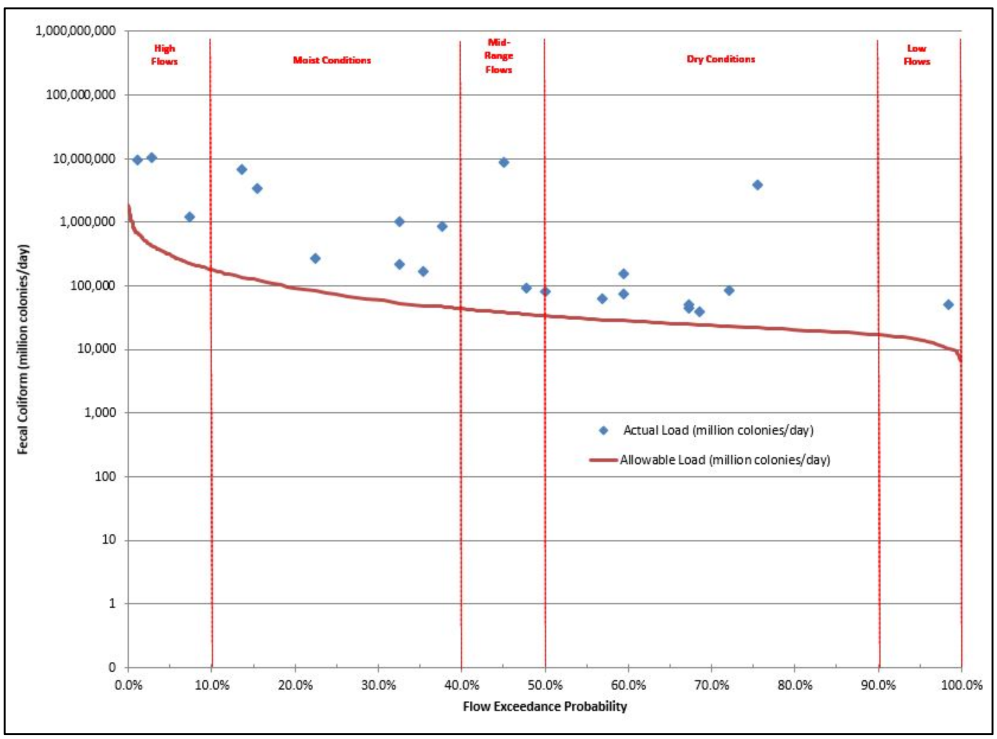


Figure 1-4 West Fork of North Branch Chicago River (HCCB-05) Fecal Coliform Load Duration Curve

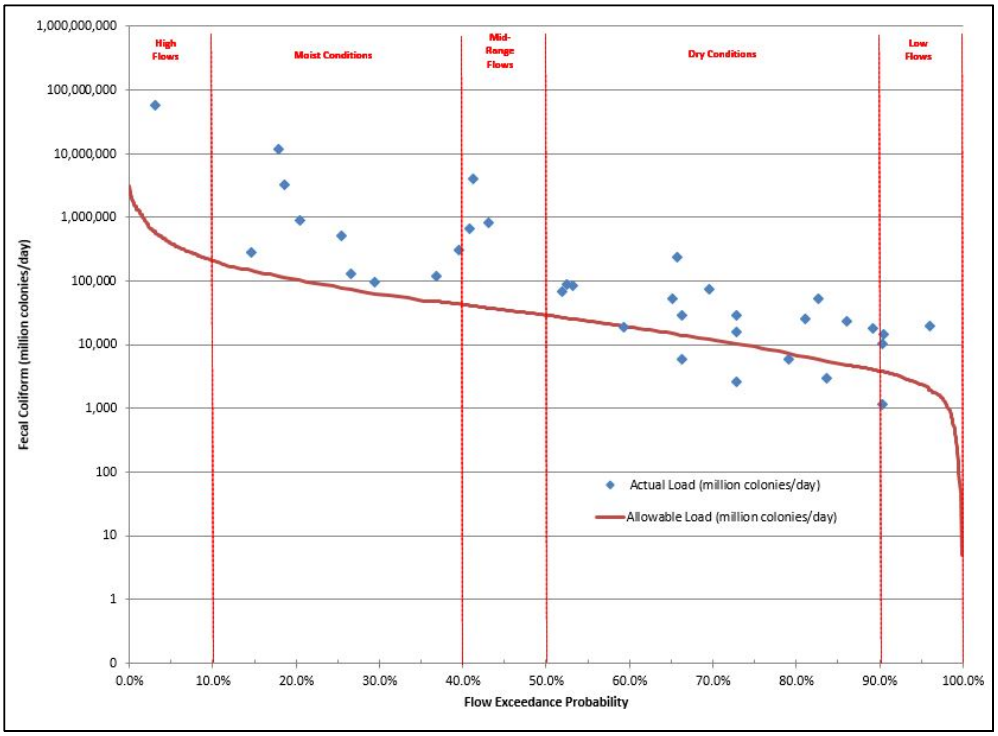


Figure 1-5 Middle Fork of North Branch Chicago River (HCCC-02) Fecal Coliform Load Duration Curve

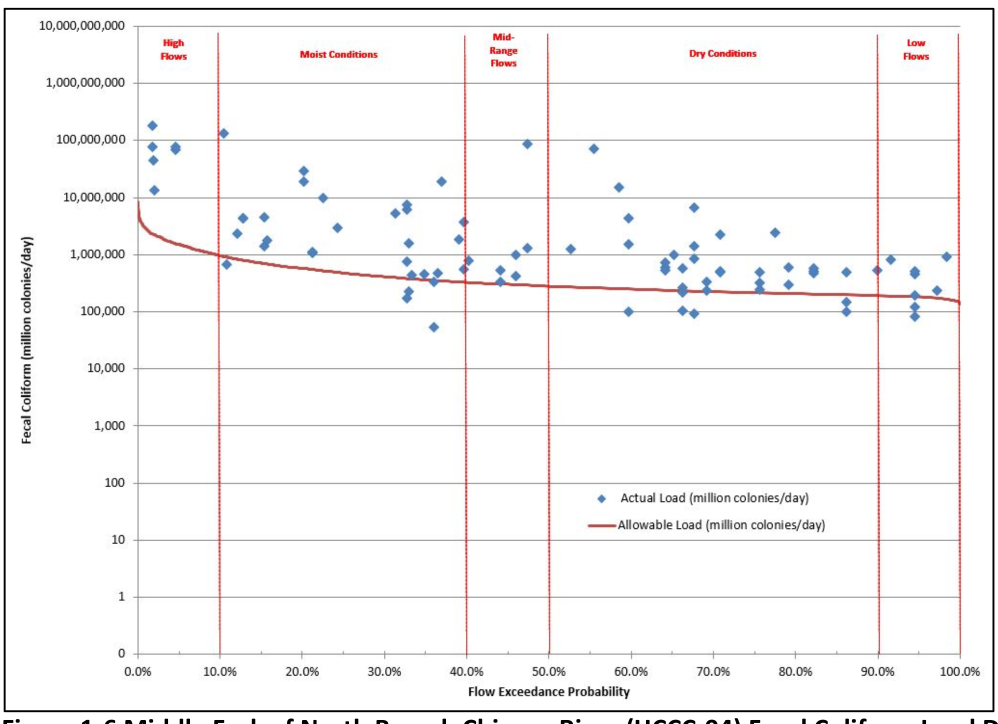


Figure 1-6 Middle Fork of North Branch Chicago River (HCCC-04) Fecal Coliform Load Duration Curve

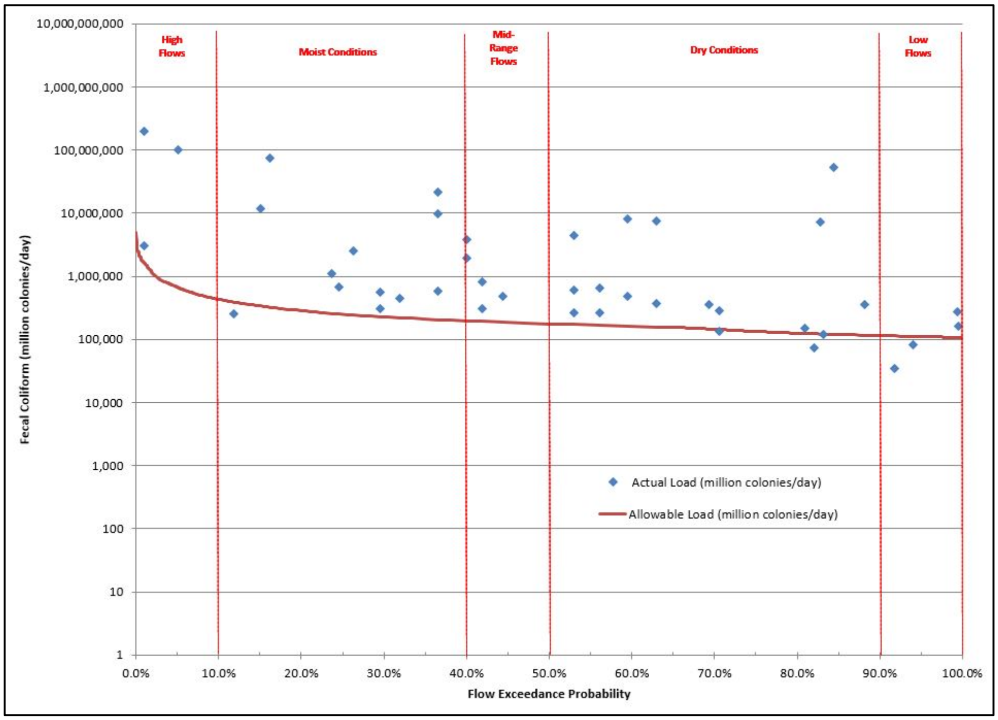


Figure 1-7 Skokie River (HCCD-01) Fecal Coliform Load Duration Curve

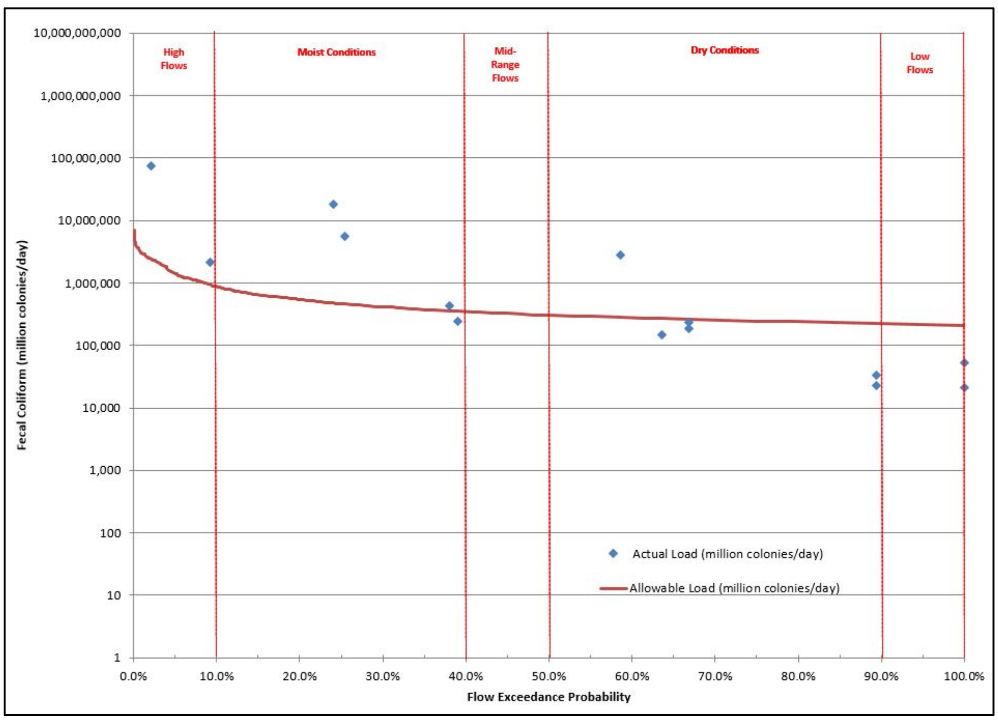


Figure 1-8 Skokie River (HCCD-09) Fecal Coliform Load Duration Curve

The plots of available sample data against the load duration curves show that exceedances of the allowable fecal coliform load consistently occur under moderate to high flow conditions in each of the impaired segments. Actual fecal coliform loads also regularly exceed allowable loads during low flow and dry conditions in all segments except for segment HCCD-09 of the Skokie River. In general, the proportion of samples exceeding the allowable load is somewhat lower under low flow and dry conditions in each segment suggesting that the primary sources of fecal coliform loads into impaired segments in the North Branch Chicago River Watershed occur during higher flow conditions, likely in response to overland runoff, urban stormwater, and CSO discharges resulting from precipitation events.

Appendix F contains the spreadsheets used for the calculations of the load duration curves for fecal coliform in the impaired segments.

1.5.2.3 Chloride TMDLs for Streams

Load duration curves for chloride, generated as described above, were also developed to assess TMDLs for the impaired segments. The flows used in development of the flow duration curves were then multiplied by the applicable water quality standard for chloride (500 mg/L) to generate a load duration curve for chloride for each segment.

Chloride data queried from USEPA STORET, Illinois EPA, MWRD, and other sources were paired with the corresponding flows for the sampling dates and plotted against the load duration curves. The resulting load duration curve figures developed for each impaired segment depict the maximum allowable chloride load at each flow level along with the actual chloride loads based on observed sample data (**Figures 1-9** through **1-14**).

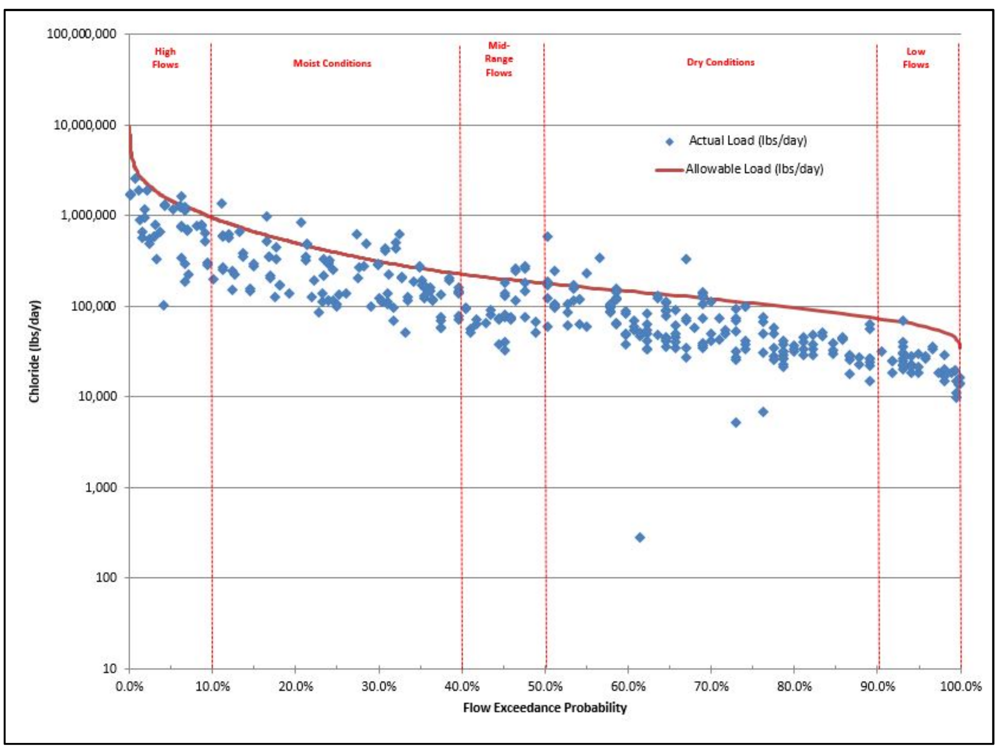


Figure 1-9 Middle Fork of the North Branch Chicago River (HCC-07) Chloride Load Duration Curve

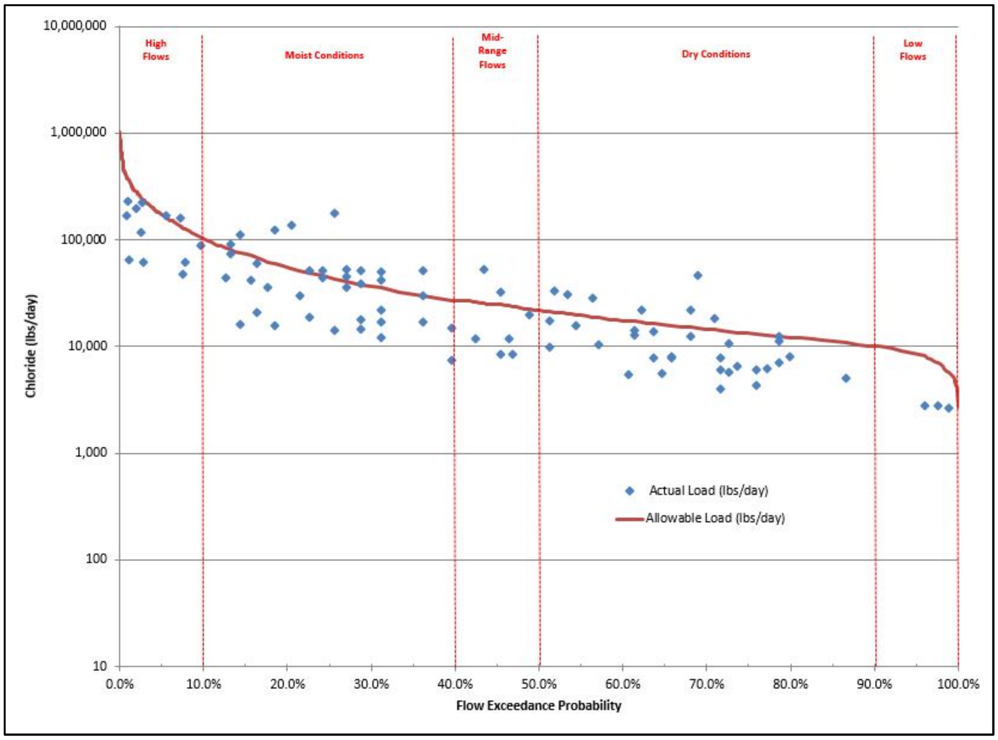


Figure 1-10 West Fork North Branch Chicago River (HCCB-05) Chloride Load Duration Curve

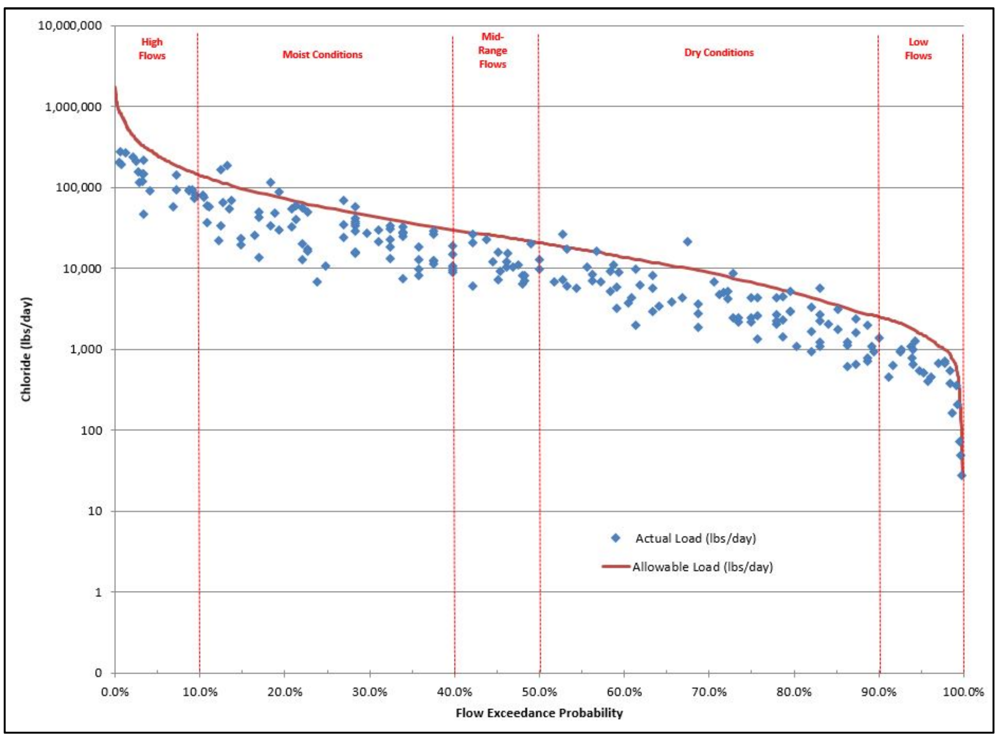


Figure 1-11 Middle Fork of the North Branch Chicago River (HCCC-02) Chloride Load Duration Curve

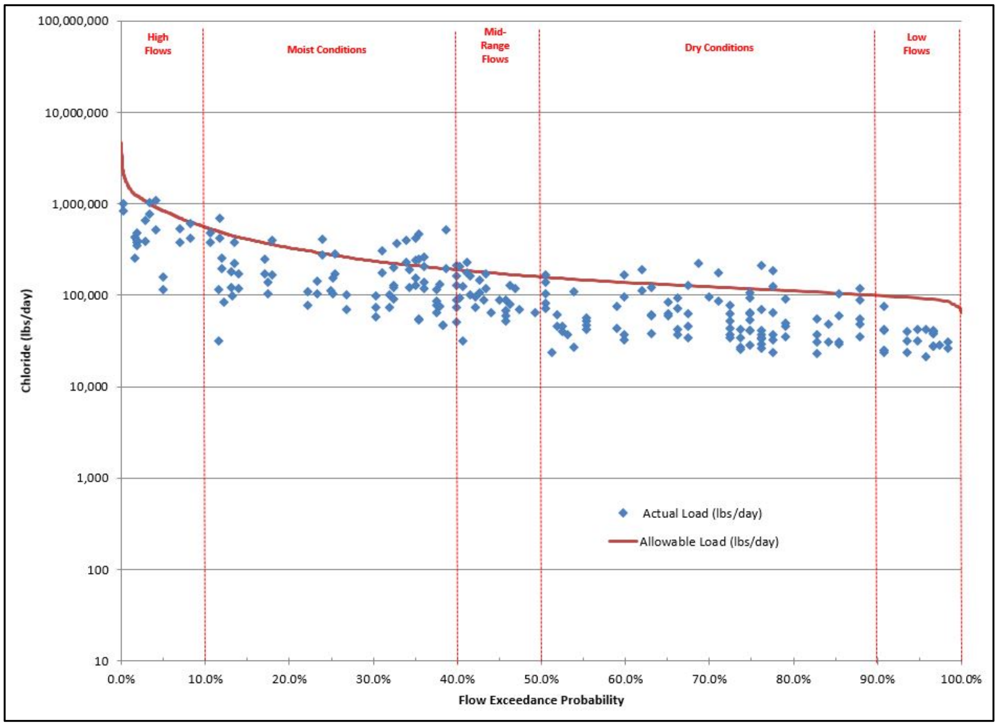


Figure 1-12 Middle Fork of the North Branch Chicago River (HCCC-04) Chloride Load Duration Curve

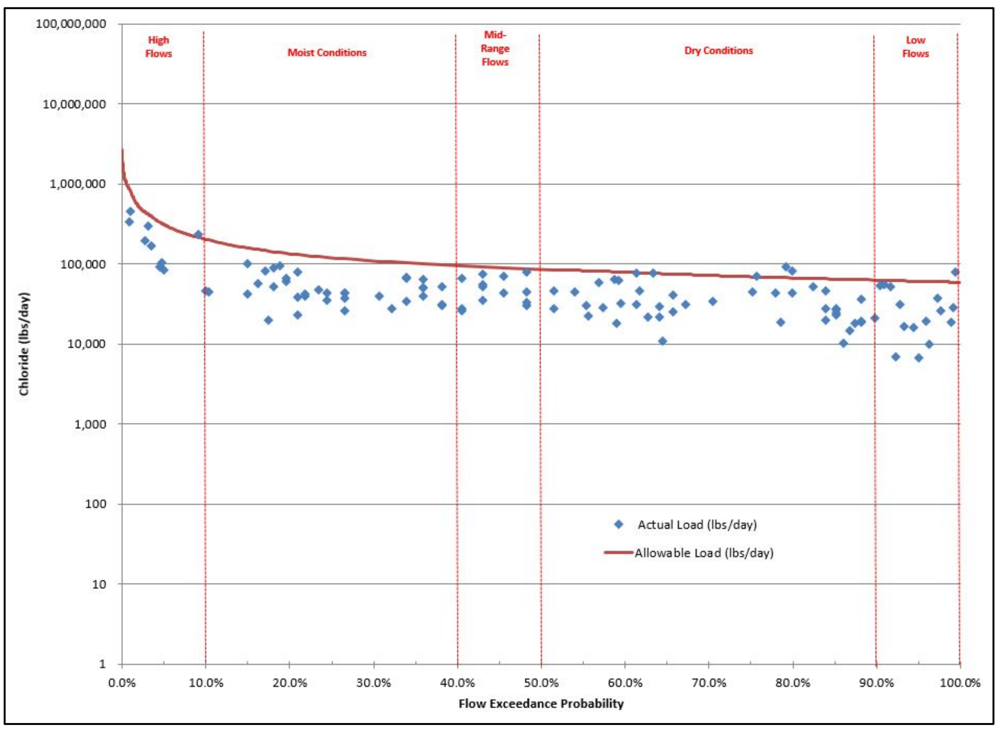


Figure 1-13 Skokie River (HCCD-01) Chloride Load Duration Curve

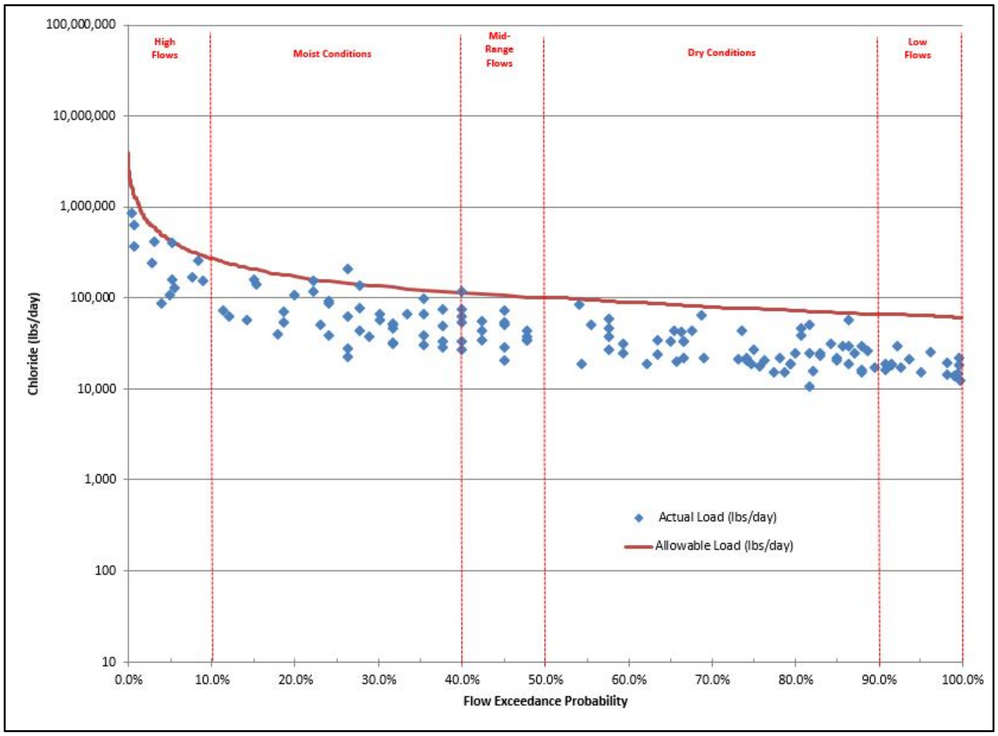


Figure 1-14 Skokie River (HCCD-09) Chloride Load Duration Curve

Actual loads in excess of the TMDL endpoints occur under a broad range of flow conditions in each impaired stream segment except for HCCD-09, for which only two exceedances were observed, both in mid-range to moist flow conditions. In general, exceedances of the allowable load for chloride occur less frequently under extremely high or extremely low flows. This trend is consistent with the typical source of chloride loads, which is runoff containing road and side-walk de-icing compounds used during winter months. Climate data shows that winter months have less extreme high flow runoff events. Additional analysis of the seasonality of chloride exceedances shows that approximately 85% of all chloride exceedences reported in the North Branch Chicago River Watershed occurred in months associated with regular snow and ice removal and chloride application in this region (December-April). Further discussion of the likely sources of chloride load in the North Branch Chicago River Watershed is provided in Sections 2 and 3 of this report. Spreadsheets used for the calculation of chloride load duration curves are provided in Appendix F.

1.5.3 SLAM Development for Lake Impairments Caused by Total Phosphorus

The Skokie Lagoons (RHJ), the Chicago Botanic Garden (RHJA), and Eagle Lake (UHH) are all listed for impairment of the aesthetic quality designated use by total phosphorus concentrations in excess of the 0.05 mg/L. SLAMs were developed to assess the current phosphorus loading into Skokie Lagoons, Chicago Botanic Garden, and Eagle Lake.

Historically, the USACE BATHTUB model (Walker 1996) has been the primary model used for assessment of nutrient (total phosphorus, ammonia) and nutrient-related impairments (chlorophyll a, pH, DO). However, the BATHTUB model is no longer the most efficient approach to developing these TMDLs because it does not provide explicit modeling of the major lake and sediment interactions that are important drivers of nutrient issues in each of the relatively small and shallow lakes impaired for total phosphorus in the North Branch Chicago River Watershed. The BATHTUB model also relies on a dated platform that is less user friendly than other options and is primarily setup to model nutrient fate and transport on an annual basis. Modeling on an annual basis can lead to more error and uncertainty when calibrating than one may typically see in models focusing on daily or even monthly time-steps.

As an alternative to BATHTUB, CDM Smith's SLAM was used to develop TMDLs for total phosphorus impairments in these lakes. The SLAM relies on the following primary inputs:

- Lake morphology and hydraulics: surface area, average and maximum depth, volume, inflows, mixing lengths, and thermal stratification
- Model segmentation: number of geographically distinct segments of a reservoir to be modeled, flow direction, and an estimate of longitudinal dispersion between segments
- Watershed inflows: estimated runoff and point source discharge into the reservoir's watershed, and average annual phosphorus load to each segment as a function of land use using runoff coefficients and point source data
- In-lake nutrients: initial nutrient concentrations in the lake; estimates of settling velocity nutrient uptake; and burial fractions. Seasonality factors may be included to account for expected variations in settling velocity and nutrient uptake over time.
- Sediment layer dynamics: sediment characteristics used for calculating nutrient fluxes, or seasonally prescribed nutrient fluxes can be used.

The individual values input into each of the above portions of the model interface are described in the following sections along with watershed and operational information for each of the impaired lakes.

1.5.3.1 SLAM Development for Skokie Lagoons

The Skokie Lagoons (RHJ) is a reservoir on a side channel of the Skokie River that forms a series of shallow and interconnected lagoon basins with an approximate total surface area of 247 acres. The lagoons are primarily used for recreational and flood control purposes, and are listed as impaired by total phosphorus. The TMDL target for total phosphorus is 0.05 mg/L.

1.5.3.1.1 Model Segmentation

Up to five distinct lake segments or model zones can be defined in the SLAM. Each zone is treated as a well-mixed module within the model and zones are connected via advection and/or diffusion. Concentration outputs are generated for each zone. Lake hydraulic parameter inputs are required for each zone. In addition to defining the number of lake segments or zones to be modeled, the model segmentation screen is used to specify the lateral or longitudinal diffusion coefficient used to provide an estimate of mixing between zones. A recommended range of longitudinal dispersion coefficients for mixing between zones is 1,000 – 1,000,000 square feet per day (ft^2/day), based on literature values.

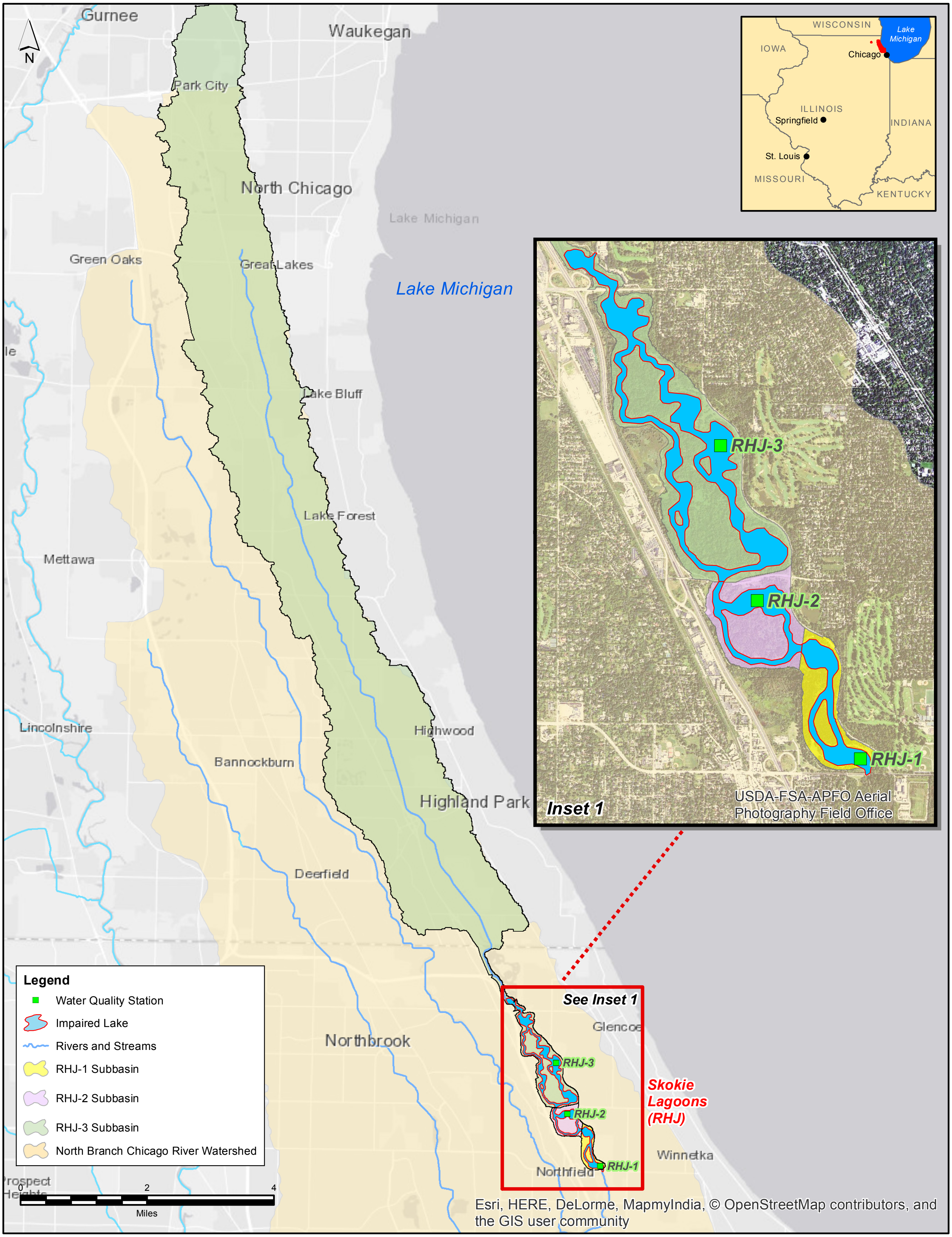
The SLAM for the Skokie Lagoons was developed to include three model zones, or lake segments, corresponding with the three primary sampling stations in the lagoon system. The segment boundaries for the Skokie Lagoons are shown on **Figure 1-15.** Due to the morphology of the lagoon system, a relatively small vertical area exists at the connection between zones. As a result, the estimated longitudinal dispersion rate was set near the low end of the possible range at 50,000 ft^2/day.

1.5.3.1.2 Lake Hydraulics

Lake hydraulics are defined in SLAM via either internal calculation or user prescription. Data needs for internal calculations of lake hydraulics are somewhat greater as the model performs dynamic water balance calculations of lake volumes at each time-step based on user-defined or calculated inflows, outflows, and evaporative losses. Corresponding lake depths, surface areas, and releases are calculated as a function of user-defined bathymetry tables. For the prescribed hydraulics option, users specify monthly-variable lake volumes, areas, and depths. Hydraulics are assumed static within a month and lake outflows are set equal to total lake inflows at each time-step. Evaporative losses are not explicitly included in the calculations but rather should be implicitly reflected in the prescribed volumes. Due to data availability and the mostly static nature of the Skokie Lagoon system, prescribed lake hydraulics were used in this model setup.

Hydraulic parameters were specified for the entire lagoon system as a whole and for each of the individual zones. Total lake volumes by month and estimates of each zone's sub-volume were input into the respective zone input tabs. The downstream zone was also specified for each zone based on morphology of the system and effectively defined the system's flow path. When modeled lake outflows are greater than zero, the model moves solutes from upstream zones to downstream zones via advection. Flow between zones is assumed equivalent to the total lake outflow. In addition to this advective transport, diffusive exchanges between zones are also calculated for connected zones (also defined according to "downstream zone" specifications). As noted above, inter-zone diffusion coefficients are defined under "Model Segmentation".

Lake stratification, if applicable, is also defined using the Lake Hydraulics input forms. Stratification is defined according to start and end months for the lake stratification season and a hypolimnion size (defined as a percentage of total lake or zone depth). Stratification dates are typically estimated based on vertical profile data for the waterbody, if available. Diffusive exchanges between the upper (epilimnion) and lower (hypolimnion) portions of the lake are assumed negligible in the model during periods of stratification. Settling of particulate nutrients from the epilimnion to the underlying hypolimnion does occur in the model. Complete and immediate mixing between the two layers occurs in the model at the end of the stratification period (fall overturn).



North Branch Chicago River Watershed
Skokie Lagoons (RHJ) Subbasin
Segmentation and Input Locations for SLAM

CDM Smith

FIGURE 1-15

The surface area, volume, and depth of the Skokie Lagoons and of each of three model segments within the lagoon system were estimated on an annual basis since there is little evidence of significant and consistent lagoon elevation fluctuation over the course of a year. Segment lengths, interface widths, and surface areas were determined in GIS. Lake depths and volumes were estimated from available sampling and bathymetric data. A summary of these inputs is shown below (**Table 1-8**).

Table 1-8 Skokie Lagoons (RHJ) Lake Hydraulics Data

Segment	Downstream Zone	Surface Area (acres)	Surface Area (% of total)	Volume (acre-ft)	Average Depth (ft)	Segment Mixing Length (ft)	Interface Width (ft)
Zone 1: RHJ-1	None	43.0	17.4%	387	9	n/a	n/a
Zone 2: RHJ-2	RHJ-1	41.6	16.8%	250	6	3,000	400
Zone 3: RHJ-3	RHJ-2	162.9	65.80%	814	5	6,500	300
Lake Total		**247.5**	**100%**	**1,451**	**7.0**		

1.5.3.1.3 Watershed Parameters

Watershed parameters input into the SLAM are associated with flows and pollutant loads entering the lake from the watershed. Watershed sources simulated in the model include storm runoff events, dry weather baseflow, and, if applicable, supplemental water. Flows and loads can either be internally calculated or prescribed by the user. Internally calculated flows and loads are calculated in the model as a combination of wet weather runoff and dry weather baseflow. Runoff is calculated as a function of user defined daily precipitation, runoff coefficients, and total drainage area. Alternatively, monthly flows and nutrient loads entering the lake from the watershed can be prescribed by the user as a daily time-series. For lake models with multiple zones, zone distribution percentages must be specified by the user. These percentages define how much of the total lake nutrient load (calculated or prescribed) enters the lake at a given zone. Estimates of the particulate fractions associated with prescribed total phosphorus concentrations are also required inputs into the model and are derived from site specific total and dissolved phosphorus data, as available.

Watershed inputs to the SLAM for the Skokie Lagoons model were developed using prescribed flows and loads. Daily flows into the reservoir were estimated by scaling the available data from USGS gage 05535000 on the Skokie River using the watershed area ratio method as described in Section 1.5.2.1.

Phosphorus loads from the contributing watershed were estimated based on land use data and the median annual export coefficients for each land use. Export coefficients for each land use category found in the North Branch Chicago River Watershed were extracted from the USEPA's PLOAD version 3.0 user's manual and are available in **Appendix G**. This document provides an extensive list of phosphorus export coefficients for various land uses in several regions of the country compiled from a number of sources in the literature. The export coefficients for each land use are reported in lbs/acre/year, which can then be multiplied by the number of acres for each land use in each of the Skokie Lagoon's subbasins to provide a median annual phosphorus load into the reservoir and each segment. The total phosphorus load into the Skokie Lagoons is estimated to be approximately 7,842 lbs/year based on flow and land use characteristics. Approximate area of each land use in the subbasin are provided for each SLAM in **Appendix H** of this report. The annual total phosphorus load from overland runoff was then scaled to the daily flow estimates to estimate the daily phosphorus load into the reservoir as a function of flow. The Skokie Lagoons are a series of in-line reservoirs on the Skokie River and are adjacent to drainage canals on both the east and west side of the lagoon system. This results in a very large proportion of the lagoon system's watershed draining to the uppermost lake segment (RHJ-3). The subbasin area and estimated phosphorus load as a function of land use characteristics in each lake segment's overland subbasin and the relative percent of the total load is provided in **Table 1-9.**

Table 1-9 Skokie Lagoons Tributary Subbasin Areas and Phosphorus Loads

Tributary Name	Lake Segment	Subbasin Area (acres)	Percent of Phosphorus Load (%)
Zone 1 Overland Flow	RHJ-1	97	0.35
Zone 2 Overland Flow	RHJ-2	129	0.44
Zone 3 Overland Flow	RHJ-3	14,219	99.21
	TOTAL	**14,445**	

Phosphorus loads from point source discharges can be explicitly included as supplemental water in the watershed inputs to the SLAM. The supplemental water input allows the user to input average monthly discharge and monthly average phosphorus concentrations in the discharge along with the fraction of the load as particulate phosphorus. In the case of the Skokie Lagoons, there are no point source discharges currently discharging to the Skokie Lagoons or to the watershed upstream of the lagoons. Although the North Shore Sanitary District facility (IL0030171) is in the watershed upgradient of the Skokie Lagoons, its discharge is currently diverted to a point in the Skokie River downstream of lagoons.

Developing the SLAM using prescribed watershed inflows allows for the user to include additional sources of phosphorus loads in the model as watershed inputs, as required. The two most common additional sources of phosphorus loading unrelated to overland runoff, waterfowl and septic system discharges, were investigated and considered for inclusion in this study. No known septic systems exist in the periphery of the Skokie Lagoons, so estimates of septic system loading were not included. However, waterfowl are a known contributor to phosphorus loads in lakes and reservoirs in the Chicago region, primarily as a result of sizeable migratory and resident Canada geese populations. While explicit estimates of waterfowl in the Skokie Lagoons were not available, estimates of the number of waterfowl utilizing nearby waterbodies and the annual duration of the waterfowl residency in the area were used to estimate the annual average waterfowl-years (resident birds per day * 365 days/year) per acre of surface water in the region. This estimate was combined with the surface area of each lagoon segment and the total phosphorus export coefficients for waterfowl feces taken from literature (Sherer, et. al. 1996) to estimate the total annual phosphorus load into the Skokie Lagoon system as a result of waterfowl use (91 lbs/year). This total load is included on an annual basis in the external loading estimate input into the model and is in addition to waterfowl and wildlife contributions from the overall watershed that are inherently included in the runoff coefficients derived for various land use types.

1.5.3.1.4 Lake Nutrient Parameters

Lake nutrient parameters support the simulation of lake water column nutrient dynamics and include nutrient uptake kinetic and settling rates and lake water quality initial conditions. Uptake kinetics are defined by first order rate constants, applied to dissolved nutrients only. These rate constants represent the transformation of dissolved nutrients into organic particulate fractions via phytoplankton uptake.

Uptake kinetics and settling rates can be specified as steady annual rates or as monthly-variable rates. Seasonality in rates might represent, for example, changes in phytoplankton uptake with the growing season or differences between particulate nutrient composition in summer (phytoplankton-based organic nutrients) vs. winter (sediment-bound runoff load). Due to limited availability of site specific data, the nutrient uptake and settling rates for the SLAM developed for the Skokie Lagoons were set to model-default values derived from literature. The initial lake water quality condition (0.195 mg/L) was entered into the model as the average total phosphorus concentration for all available data collected from the Skokie Lagoon system.

1.5.3.1.5 Sediment Layer Parameters

SLAM allows for user inputs of monthly sediment nutrient fluxes, quantifying the movement of phosphorus from the shallow sediments to the water column or vice versa. Areal flux rates ($mg/m^2/day$) can be entered as positive values for fluxes from sediments to the water column and negative values for exchanges in the opposite direction. Due to lack of site-specific sediment flux data, sediment nutrient flux rates were initially set to zero during the development of the SLAM for the Skokie Lagoons. These rates were later adjusted during model calibration to reflect seasonal lake stratification and mixing on a monthly average basis.

1.5.3.1.6 SLAM Confirmatory Analysis

Historical water quality data for Skokie Lagoons were used to help calibrate the model and confirm model calculations. Although the analyses presented below do lend confidence to the modeling, additional lake and tributary water quality data, site-specific sediment characterization, as well as more precise land use and flow data could potentially contribute to a more thorough calibration of the model.

The Skokie Lagoons SLAM was initially simulated assuming default phosphorus kinetic parameters (assimilation and decay) and no internal phosphorus loading. When using these loadings, the SLAM consistently under-predicted the concentrations when compared to actual water quality data. To achieve a better match with actual water quality data, the internal loading rates were increased. Internal loading rates reflect nutrient recycling from bottom sediments. Because the lake is relatively shallow and has relatively high concentrations of suspended sediment; wind, precipitation, and waterbody uses likely result in increased resuspension of sediment year-round. Furthermore, a review of historical DO levels recorded at depths near the lake bottom suggests the potential for sediment loading of phosphorus as a result of anoxic conditions near the lake bottom. This lends confidence to the potential for internal loading at rates well within the range of expected flux as defined in the available literature. As can be seen in **Table 1-10**, a reasonably good match between observed and predicted in-lake phosphorus values was achieved, lending significant support to the predictive ability of this simple model. A printout of the SLAM files is provided in Appendix H of this report.

Table 1-10 Summary of Model Confirmatory Analysis – Skokie Lagoons Annual Total Phosphorus Concentrations (mg/L) During Model Calibration Period

Site	Observed Concentration (mg/L)[1]	Predicted Concentration (mg/L)	Percent Difference (%)
Zone 1: RHJ-1	0.158	0.156	-1.4%
Zone 2: RHJ-2	0.169	0.165	-2.2%
Zone 3: RHJ-3	0.259	0.193	-25.6%[2]
Lake Average	**0.195**	**0.171**	**-12.4%**

[1] Note that these are average concentration values, not intended for comparison to water quality standards.

[2] A lack of sampling data for months outside of the growing season (May-Nov) result in an elevated annual average observed concentration at this station and poor calibration when viewed on an annual basis. When limiting model outputs to the growing season, a much better calibration was achieved, with a percent difference between observed and predicted total phosphorus concentrations of -2.4%.

1.5.3.2 SLAM Development for Chicago Botanic Garden Lake

The Chicago Botanic Garden Lake (RHJA) is an approximately 60-acre system of meandering and interconnected lakes located within the Chicago Botanic Garden property. The lake system is adjacent to the Skokie River, but not hydraulically connected to the river except possibly under extreme high flow conditions. The Chicago Botanic Garden Lake system is listed as impaired by total phosphorus with a TMDL target of 0.05 mg/L.

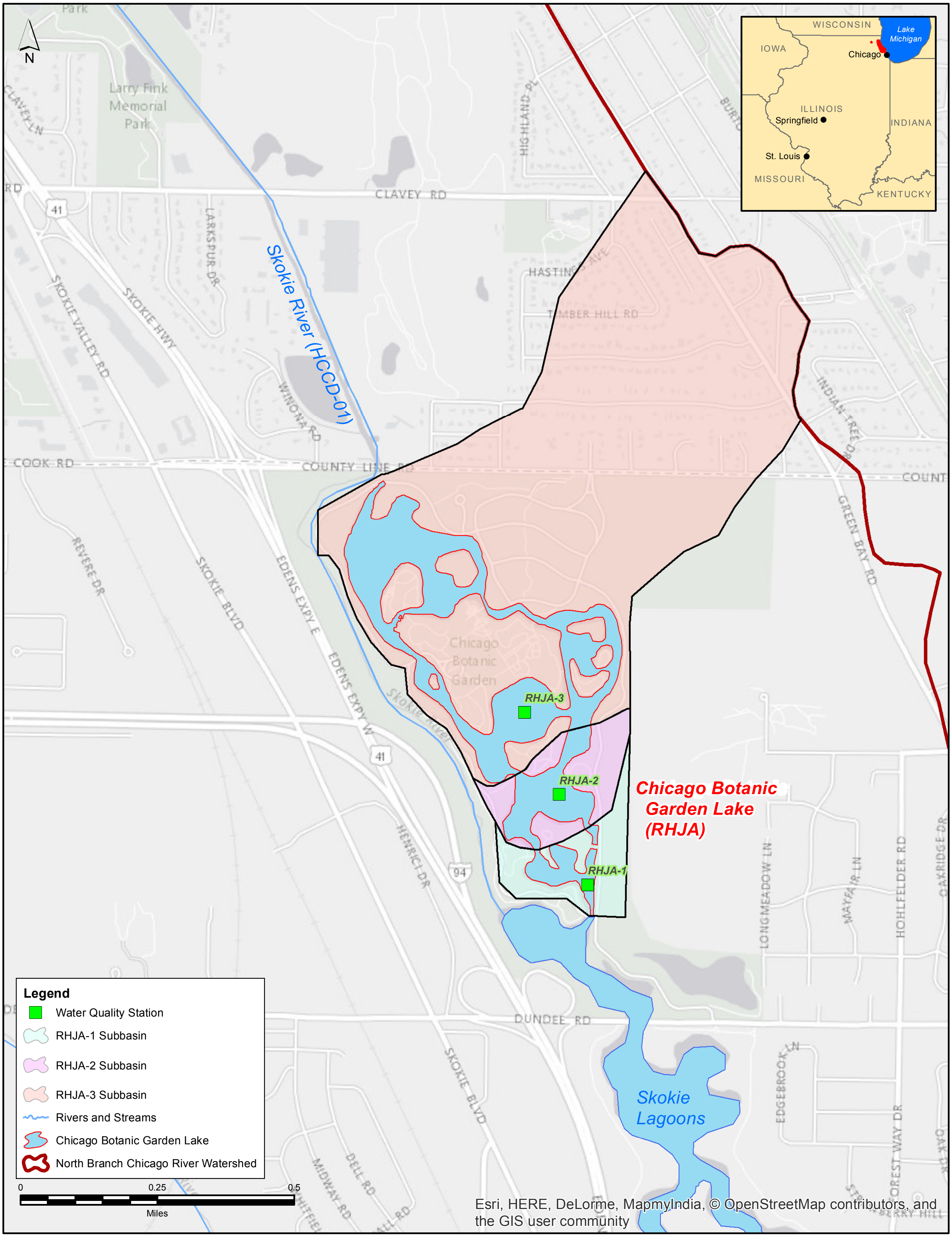
1.5.3.2.1 Model Segmentation

The SLAM for the Chicago Botanic Garden Lake system was developed to include three model zones or lake segments corresponding with the three primary sampling stations in the lake system (RHJA-1, RHJA-2, and RHJA-3). The segment boundaries for the Chicago Botanic Garden Lake are shown on **Figure 1-16.** Due to the morphology of this system, a relatively small vertical area exists at the connection between zones. As a result, the estimated longitudinal dispersion rate was set near the low end of the possible range at 10,000 ft^2/day.

1.5.3.2.2 Lake Hydraulics

Due to data availability and the mostly static nature of the Chicago Botanic Garden Lake system, prescribed lake hydraulics were used in this model setup. Hydraulic parameters were specified for the entire lake system as a whole and for each of the individual zones. Total lake volumes by month and estimates of each zone's sub-volume were input into the respective zone input tabs. The downstream zone was also specified for each zone based on morphology of the system and effectively defined the system's flow path.

The surface area, volume, and depth of the lake and of each of three model segments within the system were estimated on an annual basis because there is little evidence of significant and consistent water elevation fluctuation over the course of a year. Segment lengths, interface widths, and surface areas were determined in GIS. Lake depths and volumes were estimated from available sampling and bathymetric data. A summary of these inputs is shown below (**Table 1-11)**.



North Branch Chicago River Watershed
Chicago Botanic Garden Lake (RHJA) Subbasin
Segmentation and Input Locations for SLAM

CDM Smith

FIGURE 1-16

Table 1-11 Chicago Botanic Garden Lake (RHJA) Lake Hydraulics Data

Segment	Downstream Zone	Surface Area (acres)	Surface Area (% of total)	Volume (acre-ft)	Average Depth (ft)	Segment Mixing Length (ft)	Interface Width (ft)
RHJA-1	None	4.5	7.5%	28.4	6.3	n/a	n/a
RHJA-2	RHJA-1	10.6	17.8%	89.0	8.4	1,500	60
RHJA-3	RHJA-2	44.6	74.7%	285.4	6.4	1,400	212
Lake Total		**59.7**	**100%**	**402.8**	**7.0**		

1.5.3.2.3 Watershed Parameters

Watershed inputs to the SLAM for the Chicago Botanic Garden Lake model were developed using prescribed flows and loads. Daily flows into the reservoir were estimated by scaling the available data from USGS gage 05535000 on the Skokie River using the watershed area ratio method as described in Section 1.5.2.1.

Phosphorus loads from the contributing watershed were estimated based on land use data and the median annual export coefficients for each land use. Export coefficients for each land use category found in the North Branch Chicago River Watershed were extracted from the USEPA's PLOAD version 3.0 user's manual available in Appendix G. The export coefficients for each land use were multiplied by the number of acres of each land use type in each of the lake's subbasins to provide a median annual phosphorus load into the overall lake and to each segment (land use areas are provided in Appendix H). The total phosphorus load from runoff into the Chicago Botanic Garden Lake is estimated to be approximately 159.1 lbs/year based on flow and land use characteristics. The annual total phosphorus load from overland runoff was then scaled to the daily flow estimates to estimate the daily phosphorus load into the reservoir as a function of flow. The subbasin area and estimated phosphorus load as a function of land use characteristics in each lake segment's overland subbasin and the relative percent of the total load is provided in **Table 1-12.**

Phosphorus loads from point source discharges can be explicitly included as supplemental water in the watershed inputs to the SLAM. The supplemental water input allows the user to input average monthly discharge and monthly average phosphorus concentrations in the discharge along with the fraction of the load as particulate phosphorus. In the case of the Chicago Botanic Garden Lake, there are no point sources discharging to the lake or to the watershed upstream of the lake.

Table 1-12 Chicago Botanic Garden Lake Tributary Subbasin Areas and Phosphorus Loads

Tributary Name	Lake Segment	Subbasin Area (acres)	Percent of Phosphorus Load (%)
RHJA-1	RHJA-1	309.8	6.5%
RHJA-2	RHJA-2	25.8	7.2%
RHJA-3	RHJA-3	20.9	86.3%
	TOTAL	**356.5**	

No known septic systems exist in the Chicago Botanic Garden Lake watershed, so estimates of septic system loading were not included. However, waterfowl are a known contributor to phosphorus loads in the lake, primarily as a result of sizeable migratory and resident Canada geese populations. While explicit estimates of waterfowl in the Chicago Botanic Garden Lake were not available, estimates of the number of waterfowl utilizing the waterbody and its tributaries and the annual duration of the waterfowl residency in the area were used to estimate the annual average waterfowl-years (resident birds per day * 365 days/year) that occur in the subbasin. This estimate was combined with total phosphorus export coefficients for waterfowl feces taken from the literature (Sherer, et. al. 1996) to estimate the total annual phosphorus load into the Chicago Botanic Garden Lake system as a result of waterfowl use (22 lbs/year). This total load is included on an annual basis in the watershed loading estimate input into the model.

1.5.3.2.4 Lake Nutrient Parameters

Due to limited availability of site-specific data, the nutrient uptake and settling rates for the SLAM developed for the Chicago Botanic Garden Lake were set to model-default values derived from literature. The initial lake water quality condition was entered into the model as the average total phosphorus concentration for all available data collected from the Chicago Botanic Garden Lake system (0.047 mg/L).

1.5.3.2.5 Sediment Layer Parameters

SLAM allows for user inputs of monthly sediment nutrient fluxes, quantifying the movement of phosphorus from the shallow sediments to the water column or vice versa. Areal flux rates ($mg/m^2/day$) can be entered as positive values for fluxes from sediments to the water column and negative values for exchanges in the opposite direction. Due to lack of site-specific sediment flux data, sediment nutrient flux rates were initially set to zero during the development of the SLAM for the Chicago Botanic Garden Lake. These rates were later adjusted during model calibration to reflect seasonal lake stratification and mixing on a monthly average basis.

1.5.3.2.6 SLAM Confirmatory Analysis

Historical water quality data for Chicago Botanic Garden Lake were used to help calibrate the model and confirm model calculations. Although the analyses presented below do lend confidence to the modeling, additional lake and tributary water quality data, site-specific sediment characterization, as well as more precise land use and flow data could potentially contribute to a more thorough calibration of the model.

The Chicago Botanic Garden Lake SLAM was initially simulated assuming default phosphorus kinetic parameters (assimilation and decay) and no internal phosphorus loading. When using these loadings, the SLAM consistently under-predicted the concentrations when compared to actual water quality data. To achieve a better match with actual water quality data, the internal loading rates were increased. Internal loading rates reflect nutrient recycling from bottom sediments. Because the lake is relatively shallow and has relatively high concentrations of suspended sediment; wind, precipitation, and waterbody uses likely result in increased resuspension of sediment year-round. Furthermore, although no data exists for DO levels recorded at depths near the lake bottom, data from similar lakes, such as the Skokie Lagoons, suggests the potential for sediment loading of phosphorus as a result of anoxic conditions near the lake bottom. This lends confidence to the potential for internal loading at rates well within the range of expected flux as defined in the available literature. As can be seen in **Table 1-13**, an excellent match between observed and predicted in-lake average phosphorus values was achieved, lending significant support to the predictive ability of this simple model. A printout of the SLAM files is provided in Appendix H of this report.

Table 1-13 Summary of Model Confirmatory Analysis – Chicago Botanic Garden Lake Average Annual Total Phosphorus Concentrations (mg/L) During Model Calibration Period

Segment	Observed Surface Concentration (mg/L)[1]	Predicted Concentration (mg/L)	Percent Difference (%)
RHJA-1	0.039	0.039	1.2%
RHJA-2	0.027	0.028	-2.5%
RHJA-3	0.041	0.042	-3.2%
Lake Average	**0.036**	**0.036**	**-1.8%**

[1]Note that these are average concentration values, not intended for comparison to water quality standards.

1.5.3.3 SLAM Development for Eagle Lake

Eagle Lake is a small, 20-acre lake located on Lake Forest Academy property in Lake County, Illinois. Eagle Lake consists of two separate basins connected by a narrow channel. The lake is currently listed as impaired by total phosphorus with a TMDL target of 0.05 mg/L.

1.5.3.3.1 Model Segmentation

The SLAM for the Eagle Lake was developed to include two model zones or lake segments corresponding with the two basins of the lake as well as the two primary sampling stations in the lake (UHH-1 and UHH-2). The segment boundaries for Eagle Lake are shown on **Figure 1-17.** Due to the morphology of this system, minimal vertical area exists at the connection between zones. As a result, the estimated longitudinal dispersion rate was set near the low end of the possible range at 10,000 ft^2/day.

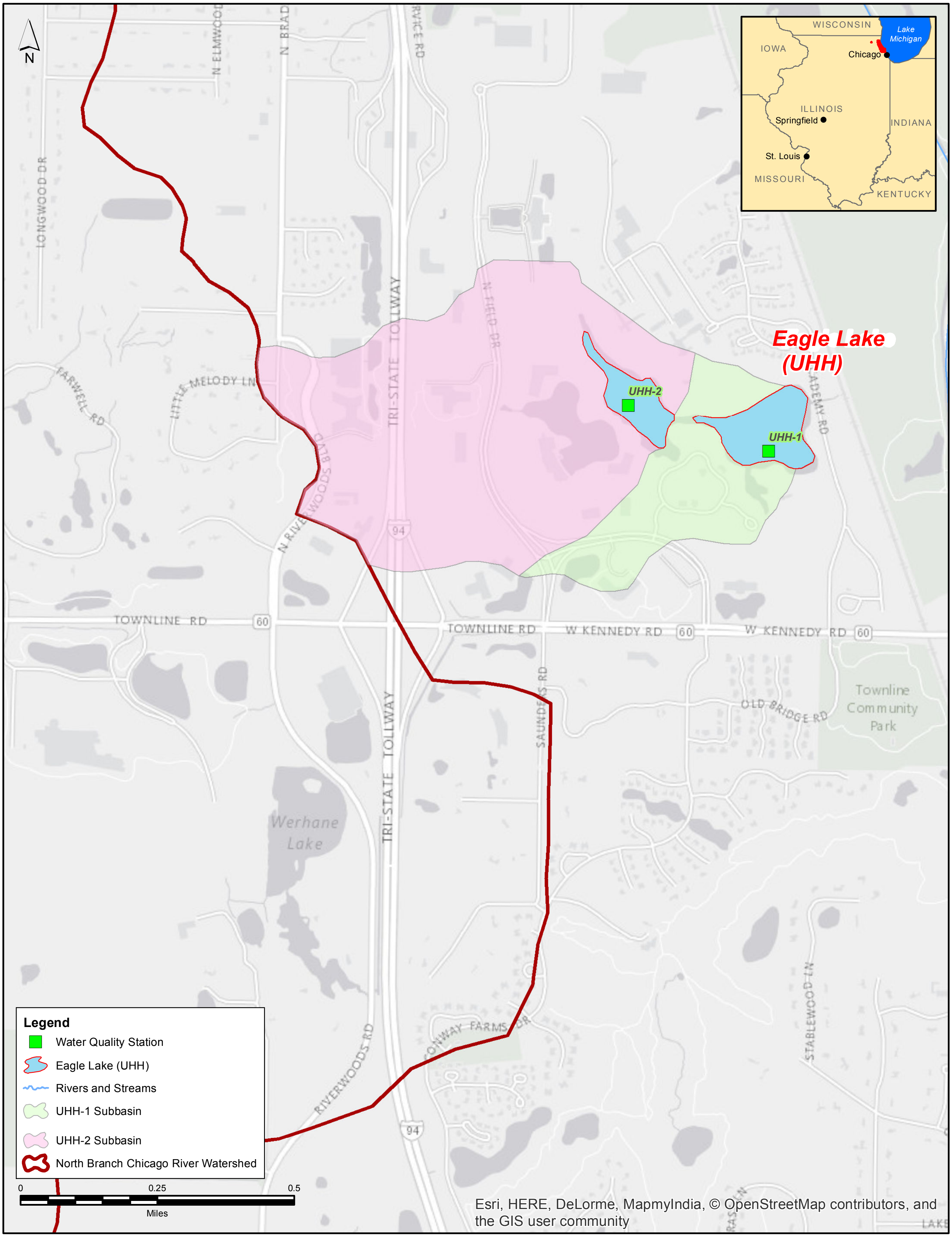
1.5.3.3.2 Lake Hydraulics

The Eagle Lake SLAMs were developed using prescribed rather than calculated lake hydraulics. Hydraulic parameters were specified for the entire lake system as a whole and for both of the individual zones. Total lake volumes by month and estimates of each zone's sub-volume were input into the respective zone input tabs. The downstream zone was also specified for each zone based on morphology of the system and effectively defined the system's flow path.

The surface area, volume, and depth of the lake and of both of the model segments were estimated on an annual basis because there is no evidence to support modeling water elevation fluctuation over the course of a year. Segment lengths, interface widths, and surface areas were determined in GIS. Lake depths and volumes were estimated from available sampling and bathymetric data. A summary of these inputs is shown below (**Table 1-14**).

Table 1-14 Eagle Lake (UHH) Lake Hydraulics Data

Segment	Downstream Zone	Surface Area (acres)	Surface Area (% of total)	Volume (acre-ft)	Average Depth (ft)	Segment Mixing Length (ft)	Interface Width (ft)
UHH-1	None	11.9	62%	67.1	5.0	n/a	n/a
UHH-2	UHH-1	7.4	38%	41.4	5.0	1,400	75
Lake Total		**19.3**	**100%**	**108.5**	**5.0**		



North Branch Chicago River Watershed
Eagle Lake (UHH) Subbasin
Segmentation and Input Locations for SLAM

CDM Smith

FIGURE 1-17

1.5.3.3.3 Watershed Parameters

Watershed inputs to SLAM for the Eagle Lake models were developed using prescribed flows and loads. Daily flows into the reservoir were estimated by scaling the available data from USGS gage 05535000 on the Skokie River using the watershed area ratio method as described in Section 1.5.2.1.

Phosphorus loads from the contributing watershed were estimated based on land use data and the median annual export coefficients for each land use. Export coefficients for each land use category were extracted from the USEPA's PLOAD version 3.0 user's manual available in Appendix G. The export coefficients for each land use were multiplied by the number of acres of each land use type in each of the lake's subbasins to provide a median annual phosphorus load into the overall lake and to each segment. The total phosphorus load from runoff into Eagle Lake is estimated to be approximately 313 lbs/year based on flow and land use characteristics. The annual total phosphorus load from overland runoff was then scaled to the daily flow estimates to estimate the daily phosphorus load into the reservoir as a function of flow. The subbasin area and estimated phosphorus load as a function of land use characteristics in each lake segment's overland subbasin and the relative percent of the total load is provided in **Table 1-15.**

Phosphorus loads from point source discharges can be explicitly included as supplemental water in the watershed inputs to the SLAM. The supplemental water input allows the user to input average monthly discharge and monthly average phosphorus concentrations in the discharge along with the fraction of the load as particulate phosphorus. In the case of Eagle Lake, there are no point sources discharging to the lake or to the watershed upstream of the lake.

Table 1-15 Eagle Lake Tributary Subbasin Areas and Phosphorus Loads

Tributary Name	Lake Segment	Subbasin Area (acres)	Percent of Phosphorus Load (%)
UHH-1	UHH-1	39.7	13%
UHH-2	UHH-2	273.5	87%
	TOTAL	**356.5**	**100%**

No known septic systems exist in the Eagle Lake watershed, so estimates of septic system loading were not included. Although waterfowl are a known contributor to phosphorus loads to lakes in the region, no estimates of waterfowl populations in the Eagle Lake watershed were available. Due to the small size of the lake, waterfowl populations on a waterfowl-year basis were assumed to be minimal and to result in a negligible (<1%) phosphorus load into the lake. Therefore, total phosphorus loads from waterfowl use are not explicitly entered into this model. However, waterfowl and other wildlife use in the watershed are accounted for implicitly by runoff coefficients developed for land uses.

1.5.3.3.4 Lake Nutrient Parameters

Due to limited availability of site-specific data, the nutrient uptake and settling rates were set to model-default values derived from literature for the SLAMs developed for Eagle Lake. The initial lake water quality condition was entered into the models as the average total phosphorus concentration for all available data collected from Eagle Lake (0.093 mg/L).

1.5.3.3.5 Sediment Layer Parameters

SLAM allows for user inputs of monthly sediment nutrient fluxes, quantifying the movement of phosphorus from the shallow sediments to the water column or vice versa. Areal flux rates (mg/m^2/day) can be entered as positive values for fluxes from sediments to the water column and negative values for exchanges in the opposite direction. Due to lack of site-specific sediment flux data, sediment nutrient flux rates were initially set to zero during the development of the SLAM for Eagle Lake. These rates were later adjusted during model calibration to reflect seasonal lake stratification and mixing on a monthly average basis.

1.5.3.3.6 SLAM Confirmatory Analysis

Historical water quality data for Eagle Lake, although limited, were used to help calibrate the model and confirm model calculations. The analyses presented below lend confidence to the modeling; however, additional lake and tributary water quality data, site-specific sediment characterization, as well as more precise land use and flow data could potentially contribute to a more thorough calibration of the model.

The Eagle Lake SLAMs were initially simulated assuming default phosphorus kinetic parameters (assimilation and decay) and no internal phosphorus loading. When using these loadings, the SLAMs consistently under-predicted the concentrations when compared to actual water quality data. To achieve a better match with actual water quality data, the internal loading rates were increased. Internal loading rates reflect nutrient recycling from bottom sediments. Because the lake is relatively shallow and has relatively high concentrations of suspended sediment; wind, precipitation, and waterbody uses likely result in increased resuspension of sediment year-round. Furthermore, data from the available Lake County Lake report (Lake County 2002) show that DO levels in summer can approach zero at depths near the lake bottom, so the potential for sediment loading of phosphorus as a result of anoxic conditions near the lake bottom. This lends confidence to the potential for internal loading at rates well within the range of expected flux as defined in the available literature. Although calibration tolerances were limited by the small dataset available for this lake (five samples for each segment), a somewhat reasonable match between observed and predicted in-lake phosphorus values was achieved (**Table 1-16**), lending support to the predictive ability of this simple model. A printout of the SLAM files is provided in Appendix H of this report.

Table 1-16 Summary of Model Confirmatory Analysis – Eagle Lake Average Annual Total Phosphorus Concentrations (mg/L) During Model Calibration Period

Segment	Observed Surface Concentration (mg/L)[1]	Predicted Concentration (mg/L)	Percent Difference (%)
UHH-1	0.090	0.092	-5.0%
UHH-2	0.095	0.077	20.7%
Lake Average	0.093	0.085	9.5%

[1] Note that these are average concentration values, not intended for direct comparison to water quality standards.

Section 2

Total Maximum Daily Loads for the North Branch Chicago River Watershed

2.1 TMDL Endpoints for the North Branch Chicago River Watershed

The TMDL endpoints for impairments in the North Branch Chicago River watershed are summarized in **Table 2-1**. For all parameters except for DO, the concentrations must be less than the TMDL endpoint. The TMDL endpoints for fecal coliform and DO vary seasonally while all other endpoints are consistent throughout the year. Endpoints established for dissolved oxygen, temperature, and chloride are based on protection of aquatic life in the impaired segments in the North Branch Chicago River watershed. The TMDL endpoint for fecal coliform is based on protection of the primary body contact recreational use. The endpoints for total phosphorus in lakes are based on protection of the aesthetic quality designated use.

Parameters with numeric water quality standards are assessed via the TMDL process and the TMDL endpoints directly correlate to the lowest applicable water quality standard established for a given parameter (per 35 Ill. Adm. Code 302).

Table 2-1 TMDL Endpoints for Impaired Constituents in the North Branch Chicago River Watershed

Segment Name/ID	Potential Cause of Impairment	Assessment Type	TMDL Endpoint
North Branch Chicago River (HCC-07)	**Dissolved Oxygen**[1]	**No TMDL Developed**	6.0 mg/L weekly average minimum (March -July)
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
West Fork (HCCB-05)	**Dissolved Oxygen**[1]	**No TMDL Developed**	6.0 mg/L weekly average minimum (March -July)
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
Middle Fork (HCCC-02)	**Dissolved Oxygen**[1]	**No TMDL Developed**	6.0 mg/L weekly average minimum (March -July)
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
Middle Fork (HCCC-04)	**Dissolved Oxygen**[1]	**No TMDL Developed**	6.0 mg/L weekly average minimum (March -July)

Segment Name/ID	Potential Cause of Impairment	Assessment Type	TMDL Endpoint
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
	Temperature[2]	**No TMDL Developed**	16º C (December-March)
			32º C (April-November)
Skokie River (HCCD-01)	**Dissolved Oxygen[1]**	**No TMDL Developed[1]**	6.0 mg/L weekly average minimum (March -July)
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
Skokie River (HCCD-09)	**Dissolved Oxygen[1]**	**No TMDL Developed[1]**	6.0 mg/L weekly average minimum (March -July)
			3.5 mg/L minimum (August-February)
	Fecal Coliform	**TMDL**	200 cfu/100ml (Geometric Mean)[3]
	Chloride	**TMDL**	500 mg/L
Skokie Lagoons (RHJ)	**Total Phosphorous**	**TMDL**	0.05 mg/L
Chicago Botanic Garden (RHJA)	**Total Phosphorous**	**TMDL**	0.05 mg/L
Eagle Lake (UHH)	**Total Phosphorous**	**TMDL**	0.05 mg/L

[1] The analyses indicate that, given the best available data and constructed models, low DO levels in this watershed are driven primarily by a combination of naturally low reaeration and high SOD. LCs cannot be calculated for SOD or reaeration, so TMDLs were not calculated for any of the study reaches. The constructed models were used to estimate levels of SOD reduction or alternatively, increased reaeration processes, needed to achieve DO targets.
[2] Current impairment not confirmed, recommended for removal from 303(d) list.
[3] Geometric mean based on a minimum of five samples taken over not more than a 30-day period. Although the TMDL target is set for 200 cfu/100ml to match the more stringent 30-day geomean portion of the standard, the additional criteria within the standard of 400 cfu/100ml as a daily maximum still applies.

2.2 Pollutant Sources and Linkages

Potential pollutant sources for impaired lakes and streams in the North Branch Chicago River watershed include both point and nonpoint sources. Pollutants impairing waterbodies in this watershed include fecal coliform, chloride, total phosphorus, and dissolved oxygen.

Load duration curves were developed for the fecal coliform and chloride TMDLs in stream segments. Load duration curves are useful in that they provide a link between historical sampling values and hydraulic condition. **Table 2-2** shows the example source area/hydrologic condition consideration developed by USEPA.

Table 2-2 Example Source Area/Hydrologic Condition Considerations (USEPA 2007)

Contributing Source Area	Duration Curve Zone				
	High Flow	Moist	Mid-Range	Dry	Low Flow
Point Source				M	H
Onsite 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: potential relative importance of source area to contribute loads under given hydrologic conditions (H: High, M: Medium)

Other pollutant sources and their linkages to Skokie Lagoons, Chicago Botanic Garden Lake, and Eagle Lake were established through the modeling (SLAM) discussed in Section 1. Modeling indicated that loads of total phosphorus may originate from internal and external sources. Overall potential sources of nutrients in the impaired lake watersheds include point and nonpoint sources such as runoff from surrounding developed areas, forest and parkland, waterfowl, and internal loading from lake sediments. Nutrients bound in eroded soils and plant materials are introduced to the waterbodies through runoff from precipitation events. Once in the waterbodies, nutrients are introduced to the water column and/or nutrient rich soils and plant materials settle to the bottom perpetuating the internal cycling of nutrients.

Pollutant sources and linkages for stream segments impaired by low DO (North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-09) were investigated through the QUAL2K modeling effort discussed in Section 1. Modeling indicated that low DO levels in this watershed are driven primarily by a combination of low reaeration and high SOD. Causes of high SOD and low reaeration are largely related to the morphological layout of stream channels and the associate hydraulics and hydrology of the system. As these factures are not associated with a quantifiable pollutant, mathematical development of TMDLs to address low DO in streams was not achieved in this study (see Section 2.3.3).

Pollutant source information for all impairments addressed in this report is summarized below and detailed throughout Sections 2.3 and 2.4. Implementation activities to reduce loading from the potential sources are outlined in Section 3.

Sources of Fecal Coliform

Point sources of fecal coliform in this watershed include a total of 33 combined sewer overflows (CSOs), two individually permitted POTWs (Village of Deerfield POTW and North Shore Water Reclamation District), and numerous permitted MS4 outfalls throughout the watershed. These outfalls and facilities are located on tributaries of the impaired segments and, in some cases, directly discharge effluent to the impaired stream segments.

Nonpoint sources of fecal coliform in the watershed include wildlife waste, domestic pet waste, and overland stormwater runoff. Other nonpoint sources for fecal coliform can include septic systems. While the entirety of the watershed is currently within the service area of a municipal sewer system, functional or abandoned septic systems potentially still exist within the watershed, the existence and prevalence of which is not known. Further pollutant source discussion related to fecal coliform impairments in this watershed is provided in Section 2.3.1 below.

Sources of Chloride

Point sources of chloride in the watershed include CSOs, individually NPDES permitted facilities, and MS4s located both on tributaries of the impaired segments and, in some cases, they directly discharge effluent to the impaired stream segments. While neither of the two in this watershed currently have discharge monitoring requirements for chloride, POTWs do have potential to discharge elevated concentrations of chloride and were assigned WLA based on the instream standard of 500 mg/L. One industrial facility, Abbott Labs Pharmaceutical Research (IL0066435), is a source of chloride in the watershed and has a permitted effluent limit for chloride of 750 mg/L.

Land use within the North Branch Chicago River watershed is largely urban in nature and given the climate and known snow removal practices in the region, a primary nonpoint source of chloride is road, driveway, parking area, and sidewalk de-icing activities using chloride salts. These activities also result in the largely seasonal nature of chloride exceedences in the watershed. Additional pollutant source discussion related to chloride impairments in this watershed is provided in Section 2.3.2 below.

Sources of Nutrients and Oxygen Demanding Materials

Point sources of nutrients and oxygen demanding materials contributing to DO impairments in the watershed include CSOs, individually NPDES permitted facilities, and MS4s. Point sources discharging to dissolved oxygen-impaired streams include the POTWs and industrial discharger discussed above. **Table 1-6** contains permit information on the treatment facilities, as well as model input parameters used in the QUAL2K modeling discussed in **Section 2** of this report. As discussed in **Section 1.5.1.7**all three facilities discharge nutrients oxygen-demanding materials, as measured by CBOD. CSOs and MS4 outfalls are also a source of nutrients and oxygen demanding materials to the impaired stream segments; however, these outfalls do not discharge during the critical low flow period and were therefore not included in the critical condition QUAL2K model for assessing low DO in streams.

Potential stormwater-related inputs of phosphorus and other nutrients to the impacted lakes and streams in the watershed include MS4 and non-MS4 urban runoff, and runoff from agricultural, undeveloped, and park lands. In addition, inputs are often caused by nutrient applications in urban settings, such as fertilizer inputs on lawns, golf courses, and other intensively used and maintained landscapes. Nutrients adsorb to soils and enters waterways with runoff and erosion, resulting in excessive growth of algae and other aquatic plants, which impairs aesthetics, water quality, and recreational potential. Additional pollutant source discussion related to phosphorus and dissolved oxygen impairments in this watershed is provided in Section 2.3.3, 2.3.4, and 2.4.1 below.

2.3 TMDL Allocation

The TMDLs for impaired segments in the North Branch Chicago River watershed are addressed by the following equation:

$$TMDL = LC = \Sigma WLA + \Sigma LA + MOS + RC$$

where:

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 are discussed in the following sections, as well as consideration of seasonal variation in the TMDL calculation.

2.3.1 Fecal Coliform TMDL

The North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-09 in the North Branch Chicago River watershed are listed for impairment of the general use standard caused by fecal coliform. Load duration curves were developed (see Section 1) to determine load reductions needed to meet the instream water quality standards under varying flow scenarios for each segment.

2.3.1.1 Loading Capacity

The LC is the maximum amount of fecal coliform that the North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-09 can receive and still maintain compliance with the water quality standards. The allowable fecal coliform loads that can be generated in the watershed and still maintain the geometric mean standard of 200 cfu/100mL were determined with the methodology discussed in Section 1. The fecal coliform LC according to flow is presented in **Table 2-3**.

2.3.1.2 Seasonal Variation

Consideration of seasonality is inherent in the load duration analysis. Because the load duration analysis represents the range of expected stream flows, the TMDL has been calculated to meet the standard during all flow conditions. In addition, seasonality is addressed because the TMDL has been calculated to address loading only when the seasonal standard is applicable (May through October).

Table 2-3 Estimated Fecal Coliform Loading Capacities Under Various Flow Conditions for Streams in the North Branch Chicago River Watershed

Estimated Mean Daily Flow (cubic feet per second [cfs])	Load Capacity (mil col/day)
1	4,894
5	24,466
10	48,932
50	244,663
100	489,332
500	2,446,689
1,000	4,893,434
5,000	24,467,455

The critical period for fecal coliform for the general use standard is the primary contact recreation season, which is May through October each year. There is no one critical flow condition during the recreation season. The fecal coliform standard must be met under all flow scenarios, and exceedances of the standard have occurred during the majority of flow scenarios. By using the load duration curve method, all of these "critical conditions" are accounted for in the loading allocations.

2.3.1.3 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. The MOS incorporated into the fecal coliform TMDL analyses are implicit since the analyses used the more conservative 200 cfu/100mL standard and did not consider die-off of bacteria, which is likely occurring in the system but unquantified.

2.3.1.4 Waste Load Allocation

WLAs for fecal coliform TMDLs are applied to individually permitted facilities and municipal separate storm sewer discharges (MS4s) that exist in the North Branch Chicago River watershed, as described below.

Combined Sewer Overflows (CSOs)

Combined sanitary and stormwater sewers serve potions of the North Branch Chicago River watershed, primarily in the North Branch segment HCC-07 subbasin as well as the extreme downstream portion of the West Fork (HCCB-05) subbasin. Discharges from combined sanitary and stormwater overflows (CSOs) in the watershed were evaluated. Most of CSO control structures directly flow to the Tunnel and Reservoir Plan (TARP), but there are some CSO outfalls that discharge into the local waterways. While there are a total of 33 individual CSO outfalls permitted under three separate NPDES permits (see **Table 2-4**), only one of the permittees (City of Chicago CSO – IL0045012) has reported any discharge. These flows occur rarely based on the Discharge Monitoring Reports that are available in the link: https://echo.epa.gov/tools/data-downloads#downloads. Therefore, a fecal coliform waste load allocation was not assigned for the CSO dischargers in the watershed. For this TMDL study, CSO WLAs for fecal coliform are set at zero. The allocation of zero is not intended to reflect an immediate requirement for zero discharge, but rather reflects that, the NPDES Permittee shall comply with the nine minimum controls contained in the National CSO Control Policy published in the Federal Register on April

19, 1994, and the CSO Operational and Maintenance Plans outlined in their respective NPDES Permit Special Conditions to meet applicable water quality standards.

Individual NPDES permitted facilities
There are three major individual NPDES permitted dischargers within the North Branch Chicago River watershed, each with multiple discharge locations within the watershed. Additional general NPDES permitted discharges in the watershed but are not explicitly included in the report and calculations due to the lack of flow and water quality data availability associated with general permits. Other NPDES permitted facilities, such as combined sewer overflows (CSOs) and MS4s, are detailed elsewhere in this report. Two of the major dischargers are municipal POTWs (Village of Deerfield and North Shore Water Reclamation District) and one is an industrial discharger (Abbott Labs Pharmaceutical Research). Details on each NPDES permit and the directly impacted segments are provided in **Table 2-4**. The two POTWs currently have permit limits for fecal coliform bacteria of 400 cfu/100mL as a daily maximum value. The industrial facility does not have a permit limit for fecal coliform and due to the nature of the process water being discharged, it is not considered to have reasonable potential to discharge elevated concentrations of fecal coliform and therefore was not assigned a WLA for this parameter.

As a means of including additional capacity in the TMDL calculation, each POTW facility's design maximum flow (DMF) in million gallons per day (MGD) was used to calculate the WLAs during the highest 30% of in-stream flow conditions while the facility's design average flow (DAF) was used to calculate WLAs at lower stream flow levels (see discussion in Section 2.3.1.5). The use of the DMF in place of the more common DAF at higher flow conditions for each point source facility in the WLA calculations serves as an additional conservative measure in the TMDL calculations. This methodology essentially allows for each facility to use the entire treatment and discharge capacity available while still remaining within the WLA.

The permitted effluent limit for fecal coliform at both of the POTWs in this watershed is currently based on the 400 cfu/100ml daily maximum standard (not to be exceeded by more than 10% of samples collected in a 30-day period), which is not the most conservative water quality standard applicable to these stream segments. The most stringent applicable standard, and the one used as a TMDL endpoint for this watershed is currently the 200 cfu/100mL monthly geometric mean standard

Calculations of the WLAs for these POTWs were performed by multiplying the DAFs and DMFs by the TMDL endpoint concentration for fecal coliform (200 cfu/100ml). The WLAs for each facility are shown in **Table 2-4**. WLAs from point source discharges are applied to each discharge point for the segment receiving the discharge or the nearest impaired segment downstream of the discharge. WLAs are not calculated for additional impaired segments downstream of the receiving segment, as the segment nearest the discharge will mathematically have the least assimilative capacity, and the calculation of WLAs for this segment will be protective of all downstream segments.

Table 2-4 Fecal Coliform WLAs for NPDES Permitted Point Sources in the North Branch Chicago River Watershed

Facility	NPDES Permit Number	Applicable Stream Segment	Effluent Conc. Used for WLA (cfu/100ml)	Actual Average Flow (MGD)	DAF (MGD)	WLA-DAF (mil. col/Day)	DMF (MGD)	WLA-DMF (mil. col/Day)
Chicago CSOs	IL0045012	HCC-07	n/a	n/a	--	--	intermittent[1]	--
Golf CSOs	IL0072389	HCCB-05	n/a	n/a	--	--	intermittent[2]	--
Village of Niles CSOs	ILM580035	HCC-07	n/a	n/a	--	--	intermittent[2]	--
Village of Deerfield POTW	IL0028347	HCCB-05	200	3.1	3.5	26,500	8.0	60,573
Abbot Labs Pharmaceutical Research	IL0066435	HCCC-02	n/a	0.86	0.99	n/a[3]	--	--
North Shore Water Reclamation District	IL0030171	HCCD-09	200	13.3	17.8	134,776	28.8	218,064

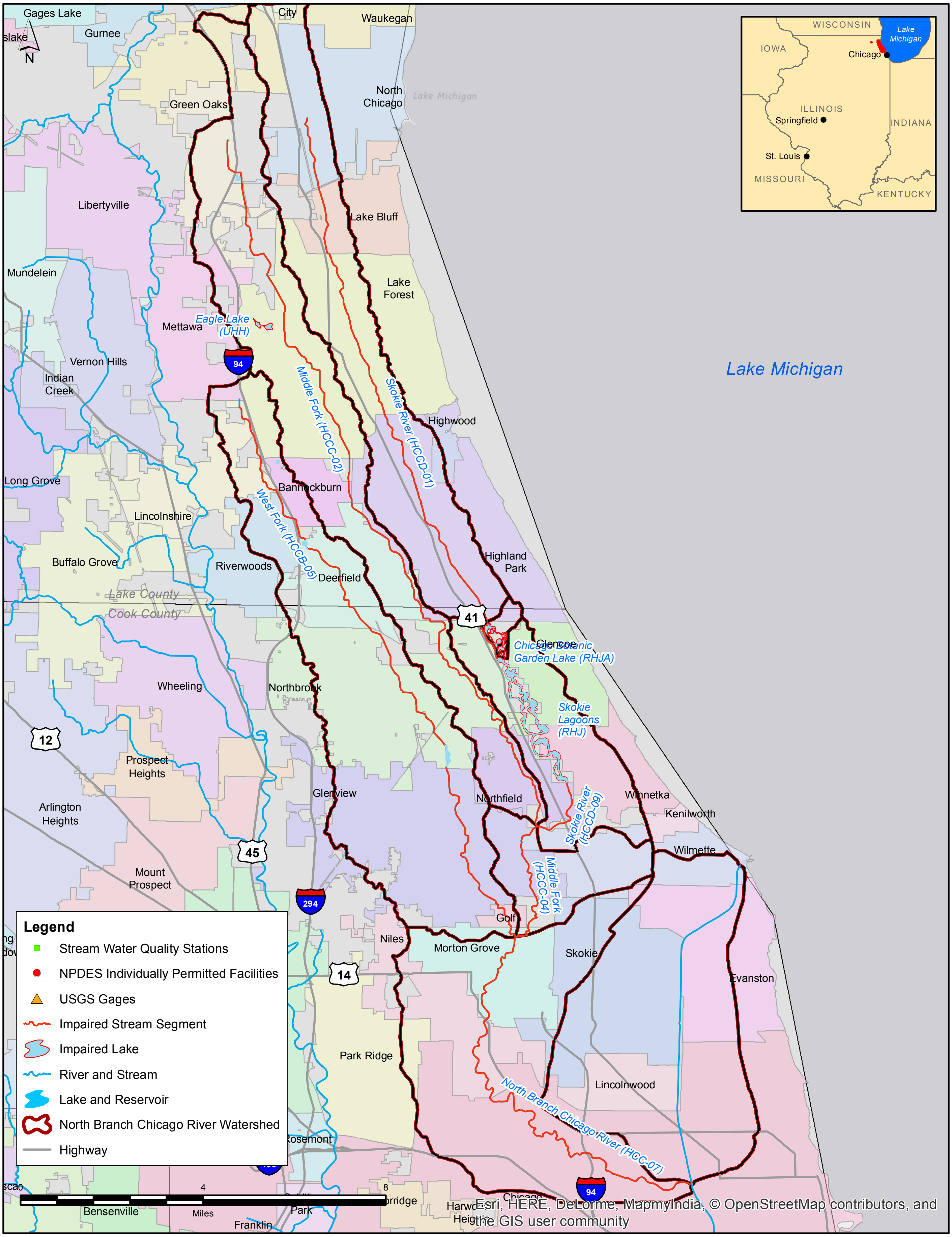
[1] Infrequent discharge reported from one outfall since 2011 response to extreme wet weather conditions.
[2] No reported discharge since at least 2011 for these CSOs.
[3] Industrial discharge with no reasonable potential for fecal coliform contamination.

Under certain low stream flow conditions, the effluent discharge from the treatment facilities may represent the only source of flow in the receiving stream. Under these low flow conditions, large proportions of the discharge will be lost to evaporation and infiltration into the stream bed, limiting the potential for conveyance of discharged materials into downstream reaches. Because WLA calculations are based on the permitted flow for each facility and not actual measured flows, under low to mid-level flow conditions the discharge and WLA may be overestimated and the resulting calculations will show WLAs exceeding the LC for the receiving stream. In this case, at flow levels where the WLA exceeded the LC, the WLA was set equal to the LC at that flow level to reflect projected instream flows. The resulting nonpoint source (LA plus MS4) allowable loads are zero to reflect the effluent dominated nature of the stream flow under these conditions.

MS4 Discharges

MS4s represent runoff from municipal areas with separate stormwater sewer systems. MS4s are regulated discharges and therefore, are allocated through WLAs, rather than LAs. WLAs for MS4s are calculated by first determining the total area within a municipality's boundaries that lies within the target watershed using GIS analyses and geographic data for municipal boundaries from the U.S. Census Department (2013). Due to the widespread use of combined sewer systems in the Chicago area, data on the geographic extent of combined sanitary and stormwater sewer systems within the watershed obtained from the MWRD were used to calculate the total area of combined sewer coverages within each municipal boundary for each impaired segment's subbasin. As stormwater runoff entering a combined sewer system is not directly discharged to the local waterbodies, the total municipal area in a watershed minus the combined sewer area in the subbasin yields the total MS4 area in the watershed.

As MS4 discharges are not assigned effluent limits as part of the NPDES permitting process and discharge at highly variable flow rates in response to high runoff events, WLA allocations for MS4s are based on existing load estimates rather than being calculated based on water quality standards. The proportion of total MS4 area to total watershed area was calculated for each sub-watershed. This proportion was then used to migrate loads from previously calculated LAs for overland runoff to WLAs for MS4 areas in each flow category. This process effectively transfers MS4 load allocations for overland runoff from non-regulated sources described as LAs to the WLA for regulated sources of contaminants. As MS4 allocations are tied to overland runoff in urban areas, they are therefore related to higher flow conditions in the stream. As a result, the WLAs for MS4s are only applied to the upper 50% of flow categories (mid-range to high flows) for each segment. The total MS4 load allocations for fecal coliform are applied to the proportion of each municipality within each impaired reach's subbasin are shown for each applicable flow category in **Tables 2-5** through **2-10.** Municipal areas used for MS4 WLA allocations within the North Branch Chicago River Watershed and its subbasins are shown in **Figure 2-1**.



CDM Smith

North Branch Chicago River Watershed
Municipal Areas for MS4 Waste Load Allocations

FIGURE 2-1

Table 2-5 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in North Branch Chicago River Segment HCC-07

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	2.04	50,729	21,256	11,968	7,859	5,805	97,617
Chicago	ILR400173	0.40	9,935	4,163	2,344	1,539	1,137	19,119
Cook County Highway	ILR400485	0.4	8,706	3,648	2,054	1,349	996	16,752
Deerfield	ILR400324	5.49	136,577	57,228	32,221	21,160	15,629	262,815
Evanston	ILR400335	0.02	574	240	135	89	66	1,104
Glencoe	ILR400198	1.95	48,609	20,368	11,468	7,531	5,563	93,538
Glenview	ILR400343	11.7	290,978	121,924	68,646	45,081	33,299	559,928
Golf	ILR400200	0.31	7,724	3,237	1,822	1,197	884	14,864
Green Oaks	ILR400203	2.72	67,601	28,326	15,948	10,473	7,736	130,085
Highland Park	ILR400352	8.38	208,421	87,331	49,170	32,291	23,851	401,063
Highwood	ILR400353	0.24	6,069	2,543	1,432	940	695	11,678
IDOT	ILR400493	1.9	46,466	19,470	10,962	7,199	5,317	89,414
IL State Tollway Auth.	ILR400494	0.25	6,210	2,602	1,465	962	711	11,951
Lake Bluff	ILR400366	1.53	37,988	15,918	8,962	5,885	4,347	73,101
Lake County	ILR400517	5.97	148,579	62,257	35,052	23,019	17,003	285,909
Lake Forest	ILR400367	12.91	321,122	134,555	75,758	49,751	36,748	617,934
Lincolnshire	ILR400375	1.25	31,029	13,001	7,320	4,807	3,551	59,708
Morton Grove	ILR400391	3.44	85,549	35,846	20,182	13,254	9,790	164,622
Niles	ILR400398	1.70	42,316	17,731	9,983	6,556	4,843	81,429
North Chicago	ILR400402	3.27	81,439	34,124	19,213	12,617	9,320	156,712
Northbrook	ILR400404	11.46	285,016	119,426	67,240	44,157	32,616	548,456
Northfield	ILR400405	3.21	79,904	33,481	18,851	12,380	9,144	153,760
Park City	ILR400420	0.25	6,207	2,601	1,464	962	710	11,944
Riverwoods	ILR400431	1.47	36,662	15,362	8,649	5,680	4,195	70,548
Skokie	ILR400447	0.35	8,711	3,650	2,055	1,350	997	16,763
Waukegan	ILR400465	2.23	55,442	23,231	13,080	8,590	6,345	106,687
Wilmette	ILR400473	3.20	79,572	33,342	18,772	12,328	9,106	153,120
Winnetka	ILR400476	2.53	62,994	26,395	14,861	9,760	7,209	121,219
Total		**90.5**	**2,251,130**	**943,255**	**531,076**	**348,767**	**257,612**	**4,331,840**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-6 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in West Fork Chicago River Segment HCCB-05

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	0.82	6,922	1,761	366	779	347	10,174
Cook County Highway Dept.	ILR400485	0.09	739	188	39	83	37	1,086
Deerfield	ILR400324	3.32	28,014	7,126	1,480	3,153	1,403	41,176
Glenview	ILR400343	9.53	80,340	20,436	4,245	9,042	4,023	118,086
Golf	ILR400200	0.35	2,925	744	155	329	146	4,300
IDOT	ILR400493	0.19	1,613	410	85	182	81	2,371
IL State Tollway Auth.	ILR400494	0.14	1,155	294	61	130	58	1,698
Lake County	ILR400517	0.81	6,832	1,738	361	769	342	10,042
Lake Forest	ILR400367	1.08	9,087	2,311	480	1,023	455	13,356
Lincolnshire	ILR400375	1.25	10,521	2,676	556	1,184	527	15,464
Morton Grove	ILR400391	0.44	3,691	939	195	415	185	5,425
Niles	ILR400398	0.01	56	14	3	6	3	82
Northbrook	ILR400404	7.92	66,759	16,981	3,528	7,513	3,343	98,124
Northfield	ILR400405	0.18	1,490	379	79	168	75	2,191
Riverwoods	ILR400431	1.47	12,431	3,162	657	1,399	622	18,272
Total		**27.6**	232,576	59,159	12,290	26,175	11,646	341,846

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-7 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-02

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	1.22	20,072	7,231	3,989	2,493	1,795	35,581
Cook County Highway Dept.	ILR400485	0.03	470	169	93	58	42	833
Deerfield	ILR400324	2.14	35,164	12,668	6,989	4,368	3,145	62,335
Glenview	ILR400343	0.05	869	313	173	108	78	1,541
Green Oaks	ILR400203	2.72	44,724	16,112	8,889	5,556	4,000	79,281
Highland Park	ILR400352	0.85	13,931	5,019	2,769	1,731	1,246	24,696
IDOT	ILR400493	0.16	2,603	938	517	323	233	4,614
IL State Tollway Auth.	ILR400494	0.11	1,754	632	349	218	157	3,109
Lake County	ILR400517	3.80	62,543	22,531	12,431	7,769	5,594	110,868
Lake Forest	ILR400367	6.64	109,373	39,402	21,739	13,587	9,782	193,883
North Chicago	ILR400402	0.05	849	306	169	105	76	1,505
Northbrook	ILR400404	2.14	35,177	12,673	6,992	4,370	3,146	62,358
Northfield	ILR400405	1.91	31,453	11,331	6,252	3,907	2,813	55,756
Waukegan	ILR400465	1.04	17,055	6,144	3,390	2,119	1,525	30,232
Total		**22.8**	**376,037**	**135,467**	**74,740**	**46,713**	**33,633**	**666,590**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-8 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-04

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	1.22	650,222	305,652	205,413	155,294	130,234	1,446,814
Cook County Highway Dept.	ILR400485	0.12	66,077	31,061	20,875	15,781	13,235	147,029
Deerfield	ILR400324	2.17	1,157,327	544,027	365,613	276,406	231,802	2,575,176
Evanston	ILR400335	0.01	3,096	1,456	978	740	620	6,890
Glencoe	ILR400198	1.95	1,042,591	490,093	329,367	249,003	208,822	2,319,876
Glenview	ILR400343	2.19	1,170,886	550,402	369,897	279,645	234,518	2,605,348
Golf	ILR400200	0.10	54,012	25,389	17,063	12,900	10,818	120,182
Green Oaks	ILR400203	2.72	1,449,944	681,579	458,054	346,292	290,411	3,226,280
Highland Park	ILR400352	8.38	4,470,299	2,101,365	1,412,221	1,067,648	895,362	9,946,895
Highwood	ILR400353	0.24	130,169	61,189	41,122	31,088	26,072	289,640
IDOT	ILR400493	0.64	340,263	159,948	107,493	81,265	68,152	757,121
IL State Tollway Auth.	ILR400494	0.11	60,128	28,265	18,995	14,360	12,043	133,791
Lake Bluff	ILR400366	1.53	814,788	383,010	257,401	194,597	163,195	1,812,991
Lake County	ILR400517	4.50	2,398,771	1,127,597	757,800	572,902	480,453	5,337,523
Lake Forest	ILR400367	11.8	6,312,768	2,967,459	1,994,278	1,507,688	1,264,393	14,046,586
Morton Grove	ILR400391	0.08	44,918	21,115	14,190	10,728	8,997	99,947
North Chicago	ILR400402	3.27	1,746,732	821,091	551,813	417,175	349,855	3,886,666
Northbrook	ILR400404	3.54	1,890,270	888,564	597,159	451,456	378,605	4,206,053
Northfield	ILR400405	3.04	1,619,553	761,307	511,636	386,800	324,382	3,603,679
Park City	ILR400420	0.25	133,126	62,579	42,056	31,795	26,664	296,220
Skokie	ILR400447	0.28	148,317	69,720	46,855	35,423	29,707	330,020
Waukegan	ILR400465	2.23	1,189,148	558,986	375,666	284,006	238,176	2,645,982
Wilmette	ILR400473	3.06	1,630,979	766,679	515,246	389,529	326,671	3,629,104
Winnetka	ILR400476	2.53	1,351,125	635,127	426,837	322,691	270,619	3,006,399
Total		**22.8**	**29,875,509**	**14,043,657**	**9,438,027**	**7,135,213**	**5,983,805**	**66,476,210**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-9 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Skokie River Segment HCCD-01

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Cook County Highway Dept.	ILR400485	0.05	1,595	812	608	506	449	3,970
Deerfield	ILR400324	0.03	1,112	566	424	353	313	2,767
Green Oaks	ILR400203	0.002	69	35	26	22	19	171
Highland Park	ILR400352	7.29	237,766	121,059	90,614	75,391	66,934	591,765
Highwood	ILR400353	0.24	7,955	4,050	3,032	2,522	2,239	19,799
IDOT	ILR400493	0.10	3,260	1,660	1,243	1,034	918	8,114
IL State Tollway Auth.	ILR400494	0.006	203	103	77	64	57	505
Lake Bluff	ILR400366	1.53	49,794	25,353	18,977	15,789	14,018	123,930
Lake County	ILR400517	1.37	44,555	22,686	16,980	14,128	12,543	110,892
Lake Forest	ILR400367	5.19	169,261	86,180	64,506	53,669	47,649	421,265
North Chicago	ILR400402	3.22	105,067	53,495	40,042	33,315	29,578	261,496
Northbrook	ILR400404	0.0001	2.5	1.3	1.0	0.8	0.7	6.3
Park City	ILR400420	0.25	8,136	4,142	3,101	2,580	2,290	20,249
Waukegan	ILR400465	1.19	38,909	19,810	14,828	12,337	10,953	96,838
Total		**20.5**	**667,684**	**339,953**	**254,458**	**211,710**	**187,962**	**1,661,767**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-10 Fecal Coliform WLAs (mil col/Day) for MS4 Areas in Skokie River segment HCCD-09

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Cook County Highway Dept.	ILR400485	0.04	1,526	550	316	306	243	2,941
Deerfield	ILR400324	0.03	1,341	483	278	269	214	2,585
Glencoe	ILR400198	1.95	76,874	27,696	15,912	15,411	12,238	148,131
Green Oaks	ILR400203	0.00	83	30	17	17	13	160
Highland Park	ILR400352	7.53	296,337	106,764	61,336	59,405	47,175	571,017
Highwood	ILR400353	0.24	9,598	3,458	1,987	1,924	1,528	18,494
IDOT	ILR400493	0.42	16,510	5,948	3,417	3,310	2,628	31,813
IL State Tollway Auth.	ILR400494	0.006	245	88	51	49	39	472
Lake Bluff	ILR400366	1.53	60,078	21,645	12,435	12,043	9,564	115,765
Lake County	ILR400517	1.37	53,766	19,371	11,129	10,778	8,559	103,602
Lake Forest	ILR400367	5.19	204,218	73,575	42,269	40,939	32,510	393,511
North Chicago	ILR400402	3.22	126,766	45,671	26,238	25,412	20,180	244,268
Northbrook	ILR400404	1.41	55,353	19,942	11,457	11,096	8,812	106,660
Northfield	ILR400405	1.12	43,955	15,836	9,098	8,811	6,997	84,698
Park City	ILR400420	0.25	9,816	3,536	2,032	1,968	1,563	18,914
Waukegan	ILR400465	1.19	46,944	16,913	9,717	9,411	7,473	90,458
Wilmette	ILR400473	0.66	26,038	9,381	5,389	5,220	4,145	50,174
Winnetka	ILR400476	2.53	99,624	35,892	20,620	19,971	15,859	191,967
Total		**28.7**	**1,129,071**	**406,781**	**233,698**	**226,340**	**179,740**	**2,175,631**

2.3.1.5 Reserve Capacity

A portion of each of the fecal coliform TMDL's LC may be set as a RC to allow for future population growth and development. In the case of the North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-9 TMDLs, an explicit RC was not included in the TMDL calculation to account for possible increases in point source discharges as populations in the area grow over time due to the considerable amount of unused capacity currently included in the POTW permits applicable to these waterbodies and impairments suggesting that facility expansion will not be necessary for the foreseeable future. Both POTW facilities in the watershed currently have average measured discharges well below their DAF as shown in **Table 2-4**. The Village of Deerfield POTW's actual average flow of 3.1 MGD represents 88% of the DAF (3.5 MGD) and the North Shore Water Reclamation District outfall's actual average flow of 13.3 MGD represents 75% of the facility's DAF (17.5 MGD). The WLA applied to these facilities was calculated based on the DAF rather than actual historic flows resulting in a conservative overestimate of the fecal coliform loads they currently produce. This has the effect of creating an implicit RC from current conditions allowing for increased discharge to accommodate potential population growth, estimated to be approximately 17% between 2010-2040 (CMAP 2010), while still maintain the assigned WLA. In addition, per USEPA (2012) guidance, the use of the DMF in place of the more common DAF at higher flow conditions for each point source facility in the WLA calculations serves as a conservative measure in the TMDL calculations. This methodology essentially allows for each facility to use the entire treatment and discharge capacity available while still remaining within the WLA, regardless of instream and discharge flow conditions.

2.3.1.6 Load Allocations and TMDL Summary

Table 2-11 shows a summary of the fecal coliform TMDL for North Branch segment HCC-07. The WLAs applied to this segment's TMDL are related to the MS4 areas discussed in Section 2.3.1.4. All individually permitted point sources in the watershed discharge to segments upstream of HCC-07 and are assigned a WLA in TMDLs developed for the segment initially receiving the discharge. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are both precipitation and flow dependent.

Table 2-11 Fecal Coliform TMDL for North Branch Segment HCC-07

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	2,779,619	528,489	2,251,130	implicit	443,283,218	99%
Moist	10 - 20	1,164,700	221,444	943,255	implicit	290,497,135	100%
	20 - 30	655,755	124,679	531,076	implicit	39,394,253	98%
	30 - 40	430,645	81,879	348,767	implicit	8,042,300	95%
Mid-Range	40 - 50	318,090	60,479	257,612	implicit	2,677,145	88%
	50 - 60	254,472	254,472	-[2]	implicit	1,626,665	84%
Dry	60 - 70	205,535	205,535	-[2]	implicit	7,978,682	97%
	70 - 80	166,386	166,386	-[2]	implicit	1,138,372	85%
	80 - 90	137,023	137,023	-[2]	implicit	3,009,036	95%

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
Low Flow	90 - 100	102,768	102,768	-[2]	implicit	862,269	88%

[1] Actual Load calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)
[2]WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 2-12 shows a summary of the fecal coliform TMDL for West Fork segment HCCB-05. This segment is an effluent dominated stream receiving much of its flow from the Village of Deerfield POTW (IL0028347), particularly at lower flow levels. The WLA was calculated using the appropriate design flow (DMF at high and moist flows and DAF at mid-range to low flows) for the facility and the 200cfu/100ml geometric mean TMDL target.-This WLA is also intended to include MS4 allocations for twelve different municipalities as discussed in Section 2.3.1.4; however, under some flow conditions, the calculated WLA from point sources alone is greater than the calculated LC, resulting in insufficient available WLA and zero available LA. This anomaly is a product of the disproportionally high discharge flows associated with using design flows under all stream flow conditions that may be in excess of the estimated instream flow. In order to reconcile this and provide more accurate LA numbers, the WLA was set equal to the LC for these lower flow categories.

Table 2-12 Fecal Coliform TMDL for West Fork HCCB-05

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	303,409	8,339	295,070	implicit	10,433,360	97%
Moist	10 - 20	122,342	2,121	120,221	implicit	6,514,733	98%
	20 - 30	73,405	441	72,965	implicit	270,377	73%
	30 - 40	53,831	939	52,892	implicit	991,120	95%
Mid-Range	40 - 50	38,660	418	38,243	implicit	8,012,128	>99%
	50 - 60	30,341	3,840	26,501	implicit	133,588	77%
Dry	60 - 70	25,937	-[3]	25,937[4]	implicit	48,668	47%
	70 - 80	22,022	-[3]	22,022[4]	implicit	3,477,032	99%
	80 - 90	19,085	-[3]	19,085[4]	implicit	no data	no data
Low Flow	90 - 100	14,681	-[3]	14,681[4]	implicit	50,870	71%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.
[3] Effluent dominated stream at lower flow ranges, all available LC applied to WLA.
[4] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 2-13 shows a summary of the fecal coliform TMDL for Middle Fork segment HCCC-02. A majority of the WLAs applied to this segment's TMDL are related to the MS4 areas discussed in Section 2.3.1.4. The only individually permitted point source discharge in this basin, Abbott Labs Pharmaceutical Research (IL0066435) is an industrial discharger that was not assigned a WLA for this TMDL because there is no reasonable potential the facility will discharge water with elevated concentrations of fecal coliform. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-13 Fecal Coliform TMDL for Middle Fork HCCC-02

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	393,943	4,834	389,108	implicit	58,724,352	99.3%
Moist	10 - 20	141,917	1,742	140,176	implicit	10,048,715	98.6%
	20 - 30	78,299	961	77,338	implicit	800,119	90.2%
	30 - 40	48,937	601	48,336	implicit	286,379	82.9%
Mid-Range	40 - 50	35,235	432	34,802	implicit	3,415,213	99.0%
	50 - 60	23,490	23,490	-[2]	implicit	88,087	73.3%
Dry	60 - 70	15,660	15,660	-[2]	implicit	170,301	90.8%
	70 - 80	9,298	9,298	-[2]	implicit	25,281	63.2%
	80 - 90	5,383	5,383	-[2]	implicit	42,017	87.2%
Low Flow	90 - 100	2,373	2,373	-[2]	implicit	18,111	86.9%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 2-14 shows a summary of the fecal coliform TMDL for Middle Fork segment HCCC-04. Again, a majority of the WLAs applied to this segment's TMDL are related to the MS4 areas as discussed in Section 2.3.1.4. All individually permitted point sources in the watershed discharge to segments upstream of HCCC-04 and are accounted for in TMDLs developed for the segment directly receiving the discharge. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-14 Fecal Coliform TMDL for Middle Fork HCCC-04

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	1,513,146	77,539	1,435,608	implicit	130,793,288	99%
Moist	10 - 20	711,288	36,449	674,840	implicit	43,243,507	98%
	20 - 30	478,021	24,495	453,525	implicit	23,831,115	98%
	30 - 40	361,387	18,519	342,868	implicit	6,776,913	95%
Mid-Range	40 - 50	303,070	15,530	287,540	implicit	35,746,855	99%
	50 - 60	265,164	265,164	-[2]	implicit	43,008,527	99%
Dry	60 - 70	236,006	236,006	-[2]	implicit	1,264,097	81%
	70 - 80	215,595	215,595	-[2]	implicit	2,283,899	91%
	80 - 90	201,015	201,015	-[2]	implicit	551,413	64%
Low Flow	90 - 100	180,605	180,605	-[2]	implicit	843,891	79%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

A summary of the fecal coliform TMDL for Skokie River segment HCCD-01 is provided in **Table 2-15**. The majority of the WLA included in this TMDL is related to the MS4 areas as discussed in Section 2.3.1.4. No individually permitted point sources discharge to the watershed upstream of HCCD-01. Although the North Shore Water Reclamation District's Clavey Road Water Reclamation Plant (IL0030171) is located adjacent to HCCD-01, the facility currently discharges to points downstream of this segment. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-15 Fecal Coliform TMDL for Skokie River HCCD-01

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	668,361	677	667,684	Implicit	179,009,450	100%
Moist	10 - 20	340,298	345	339,953	Implicit	62,406,363	99%
	20 - 30	254,716	258	254,458	Implicit	1,991,092	87%
	30 - 40	211,925	215	211,710	Implicit	18,179,211	99%
Mid-Range	40 - 50	188,152	191	187,962	Implicit	3,103,284	94%
	50 - 60	169,134	169,134	-[2]	Implicit	5,948,091	97%
Dry	60 - 70	153,920	153,920	-[2]	Implicit	6,075,332	97%
	70 - 80	135,377	135,377	-[2]	Implicit	273,658	51%
	80 - 90	120,162	120,162	-[2]	Implicit	30,819,717	100%
Low Flow	90 - 100	111,557	111,557	-[2]	Implicit	241,083	54%

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 2-16 shows a summary of the fecal coliform TMDL for Skokie River segment HCCD-09. This segment is an effluent dominated stream receiving much of its flow from the North Shore Water Reclamation District's Clavey Road Water Reclamation Plant (IL0030171), particularly at lower flow levels. The WLA was calculated using the appropriate design flows (DMF at high and moist flows and DAF at mid-range to low flows) for the facility and the 200cfu/100ml geometric mean water quality standard. This WLA also includes MS4 allocations at higher flows for sixteen different municipalities as discussed in Section 2.3.1.4.

Table 2-16 Fecal Coliform TMDL for Skokie River HCCD-09

Zone	Flow Exceedance Range (%)	LC (mil col/day)	LA (mil col/day)	WLA (mil col/day)[2]	MOS	Actual Load[1] (mil col/day)	Percent Reduction Needed (%)
High	0 - 10	1,405,665	58,517	1,347,147	implicit	67,662,185	98%
Moist	10 - 20	645,932	21,083	624,850	implicit	no data	no data
	20 - 30	463,876	12,112	451,764	implicit	16,676,721	97%
	30 - 40	372,849	11,731	361,118	implicit	412,181	10%
Mid-Range	40 - 50	323,834	9,316	314,518	implicit	no data	no data
	50 - 60	288,823	154,047	134,776	implicit	2,818,207	90%
Dry	60 - 70	267,816	133,041	134,776	implicit	224,300	0%
	70 - 80	246,810	112,034	134,776	implicit	no data	no data
	80 - 90	232,806	98,030	134,776	implicit	32,742	0%
Low Flow	90 - 100	218,801	84,026	134,776	implicit	no data	no data

[1] Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (USEPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

2.3.2 Chloride TMDL

The North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-09 segments are each listed for impairment caused by elevated chloride concentrations. Load duration curves were developed for each impaired segment (see Section 1) to determine load reductions needed to meet the instream water quality standard of 500 mg/L chloride across the full range recorded flow levels.

2.3.2.1 Loading Capacities

The LC is the maximum quantity of chloride that the impaired segments can receive and still maintain compliance with the water quality standard. In order to determine the LC at various flow conditions, a range of flows were multiplied by the water quality standard (500 mg/L). **Table 2-17** contains the LCs for chloride under a range of flow conditions.

Table 2-17 Estimated Chloride Loading Capacities Under Various Flow Conditions for Streams in the North Branch Chicago River Watershed

Estimated Mean Daily Flow (cfs)	Load Capacity (lbs/day)
1	2,695
10	26,953
50	134,764
100	269,529
500	1,347,643
1,000	2,695,286
5,000	13,476,428

2.3.2.2 Seasonal Variations

Consideration to seasonality is inherent to load duration analysis. The total chloride water quality standard is not seasonal and the full range of expected flows is represented in the LC table (**Table 2-17**). Therefore, the LC represents conditions throughout the year.

2.3.2.3 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 total chloride TMDL of 10% was included to account for some of the limited site-specific data available within the watershed. Much of the 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. The methodology employed in estimating watershed flows is discussed in Section 1.5.2 of this document.

Additional implicit MOS is included in the TMDL calculations for chloride through the use of conservative assumptions and calculation parameters. For example, the in-stream standard of 500 mg/L was used in the WLA calculation for Abbott Labs Pharmaceutical Research (IL0066435) instead of the permitted effluent limit of 750 mg/L associated with this facility.

2.3.2.4 Waste Load Allocation

As with the fecal coliform TMDLs, the WLAs for chloride TMDLs apply to individually permitted facilities, CSOs, and MS4s that exist in the North Branch Chicago River watershed, as described below.

Individual NPDES permitted facilities

There are three major individual NPDES permitted dischargers within the North Branch Chicago River Watershed, each with multiple discharge locations within the watershed. Additional general NPDES permitted discharges in the watershed but are not explicitly included in the report and calculations due to the lack of flow and water quality data availability associated with general permits. Other NPDES permitted facilities, such as combined sewer overflows (CSOs) and MS4s, are detailed elsewhere in this report. Two of the major dischargers are municipal POTWs (Village of Deerfield and North Shore Water Reclamation District) and one is an industrial discharger (Abbott Labs Pharmaceutical Research). Details on each NPDES permit and the direct receiving segments are provided in **Table 2-18**. The two POTWs currently do not have permit limits for chloride. However, both receiving waters are at times effluent-dominated systems and are currently listed as impaired for chloride. In addition, any POTW may have reasonable potential to discharge elevated concentrations of chloride. Therefore, as a conservative measure, the instream standard of 500 mg/L for chloride was used in calculations of each facility's WLA along with the facility's DAF or DMF. As with fecal coliform calculations, WLAs for chloride from POTWs were calculated using the DMF for the greatest 30% of flow conditions.

The industrial facility, Abbott Labs Pharmaceutical Research (IL0066435), does have a permitted effluent limit for chloride of 750 mg/L. This permit limit was combined with the facility's design flow (only DAF was available) to assign a WLA for this discharge for the impaired segment receiving the discharge (HCCC-02 of the Middle Fork). WLAs are not calculated for additional impaired segments downstream of the receiving segment since the segment nearest the discharge will mathematically have the least assimilative capacity, and the calculation of WLA for this segment will be protective of all downstream segments. The permitted effluent limit for chloride at the Abbot Labs facility is currently 750 mg/L, which is greater than the most conservative water quality standard applicable and the TMDL endpoint of 500 mg/L. The receiving segment for this discharge is not completely effluent dominated, and the permit writer included some assimilative capacity for chloride, allowing the establishment of an instream mixing zone and a permitted discharge limit that may exceed the instream standard.

Under certain low stream flow conditions, the effluent discharge from the treatment facilities may represent the only source of flow in the receiving stream. Because WLA calculations are based on the permitted flow for each facility and not actual measured flows, under low to mid-level flow conditions the discharge and WLA may be overestimated and the resulting calculations will show WLA exceeding the LC for the receiving stream. At flow levels where the WLA exceeds the LC, the WLA was set equal to the LC at that flow level to reflect projected instream flows.

Combined Sewer Overflows (CSOs)

Permitted CSO discharges exist along segment HCC-07 of the North Branch Chicago River. While there are a total of 33 individual CSO outfalls permitted under three separate NPDES permits (see **Table 2-18**), the available data show that only one of the permittees has outfalls which have actively discharged since 2011 (Chicago CSOs IL0045012). Discharges from CSOs occur infrequently throughout the year in response to extreme wet weather conditions when receiving water flows are high. Actively discharging CSOs are a temporally limited source of pollutants such as chloride to segment HCC-07 of the North Branch. As discussed in Section 2.3.1.4, the WLAs for pollutants emanating from CSOs are set at zero in this TMDL. The allocation of zero is not intended to reflect an immediate requirement for zero discharge, but rather, reflect the ongoing implementation of TARP and continued compliance with the Long-Term CSO Control Plan and applicable NPDES permits, which will ultimately result in complete CSO abatement in this watershed.

Table 2-18 Chloride WLAs for NPDES Permitted Point Sources in the North Branch Chicago River Watershed

Permittee	NPDES Permit Number	Applicable Stream Segment	Effluent Conc. Used for WLA (mg/L)	Actual Average Flow (MGD)	DAF (MGD)	WLA-DAF (lbs/Day)	DMF (MGD)	WLA-DMF (lbs/Day)
Chicago CSOs	IL0045012	HCC-07	n/a	n/a	--	--	intermittent[1]	--
Golf CSOs	IL0072389	HCCB-05	n/a	n/a	--	--	intermittent[2]	--
Village of Niles CSOs	ILM580035	HCC-07	n/a	n/a	--	--	intermittent[2]	--
Village of Deerfield POTW	IL0028347	HCCB-05	500[3]	3.1	3.5	14,596	8.0	33,362
Abbot Labs Pharmaceut-ical Research	IL0066435	HCCC-02	500[4]	0.86	0.99	6,193	--	--
North Shore Water Reclamation District	IL0030171	HCCD-09	500[3]	13.3	17.8	74,230	28.8	120,102

[1] Infrequent discharge reported from one outfall since 2011 response to extreme wet weather conditions.
[2] No reported discharge since at least 2011 for these CSOs.
[3] No effluent limit for chloride for this facility, WLA based on instream standard.
[4] Based on in-stream standard, existing permit limit for this facility is 750mg/L.

MS4 Discharges

MS4 discharges represent runoff from municipal areas with separate stormwater sewer systems. MS4 discharges are regulated discharges and therefore, are allocated through WLAs, rather than LAs. Chloride WLAs for MS4s were calculated in a manner consistent with the calculations performed for fecal coliform TMDLs (see Section 2.3.1.4) and ultimately reflect the load available to meet the 500 mg/l instream standard for chloride. The total MS4 LAs for chloride that are applied to each municipality within each impaired reach's subbasin are shown for each applicable flow category in **Tables 2-19** through **2-24.**

Table 2-19 Chloride WLAs (lbs/day) for MS4 Areas in North Branch Chicago River Segment HCC-07

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	2.0	24,260	10,891	6,464	4,339	3,276	49,229
Chicago	ILR400173	0.4	4,751	2,133	1,266	850	642	9,642
Cook County Highway	ILR400485	0.4	4,163	1,869	1,109	745	562	8,448
Deerfield	ILR400324	5.5	65,316	29,321	17,402	11,681	8,820	132,540
Evanston	ILR400335	0.02	274	123	73	49	37	557
Glencoe	ILR400198	2.0	23,247	10,436	6,193	4,157	3,139	47,172
Glenview	ILR400343	11.7	139,156	62,468	37,075	24,886	18,791	282,376
Golf	ILR400200	0.3	3,694	1,658	984	661	499	7,496
Green Oaks	ILR400203	2.7	32,329	14,513	8,613	5,782	4,366	65,603
Highland Park	ILR400352	8.4	99,674	44,744	26,556	17,825	13,460	202,259
Highwood	ILR400353	0.2	2,902	1,303	773	519	392	5,889
IDOT	ILR400493	1.9	22,222	9,975	5,920	3,974	3,001	45,092
IL State Tollway Auth.	ILR400494	0.2	2,970	1,333	791	531	401	6,027
Lake Bluff	ILR400366	1.5	18,167	8,155	4,840	3,249	2,453	36,865
Lake County	ILR400517	6.0	71,056	31,897	18,931	12,707	9,595	144,186
Lake Forest	ILR400367	12.9	153,572	68,939	40,915	27,464	20,738	311,628
Lincolnshire	ILR400375	1.2	14,839	6,661	3,953	2,654	2,004	30,111
Morton Grove	ILR400391	3.4	40,913	18,366	10,900	7,317	5,525	83,020
Niles	ILR400398	1.7	20,237	9,085	5,392	3,619	2,733	41,065
North Chicago	ILR400402	3.3	38,947	17,483	10,376	6,965	5,259	79,031
Northbrook	ILR400404	11.5	136,305	61,188	36,315	24,376	18,406	276,590
Northfield	ILR400405	3.2	38,213	17,154	10,181	6,834	5,160	77,542
Park City	ILR400420	0.2	2,968	1,332	791	531	401	6,023
Riverwoods	ILR400431	1.5	17,533	7,871	4,671	3,135	2,368	35,578
Skokie	ILR400447	0.4	4,166	1,870	1,110	745	563	8,454
Waukegan	ILR400465	2.2	26,514	11,902	7,064	4,742	3,580	53,803
Wilmette	ILR400473	3.2	38,054	17,083	10,139	6,805	5,139	77,219
Winnetka	ILR400476	2.5	30,126	13,524	8,026	5,388	4,068	61,132
Total		**90.5**	**1,076,572**	**483,279**	**286,824**	**192,526**	**145,377**	**2,184,577**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-20 Chloride WLAs (lbs/day) for MS4 Areas in West Fork Chicago River Segment HCCB-05

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[2]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%[1]	40 - 50%[1]	
Bannockburn	ILR400284	0.82	3,474	916	155	-	-	4,545
Cook County Hwy	ILR400485	0.09	371	98	17	-	-	485
Deerfield	ILR400324	3.32	14,061	3,707	629	-	-	18,397
Glenview	ILR400343	9.53	40,325	10,631	1,803	-	-	52,760
Golf	ILR400200	0.35	1,468	387	66	-	-	1,921
IDOT	ILR400493	0.19	810	213	36	-	-	1,059
IL State Tollway Auth.	ILR400494	0.14	580	153	26	-	-	759
Lake County	ILR400517	0.81	3,429	904	153	-	-	4,487
Lake Forest	ILR400367	1.08	4,561	1,202	204	-	-	5,967
Lincolnshire	ILR400375	1.25	5,281	1,392	236	-	-	6,909
Morton Grove	ILR400391	0.44	1,853	488	83	-	-	2,424
Niles	ILR400398	0.01	28	7.4	1.2	-	-	37
Northbrook	ILR400404	7.92	33,508	8,834	1,498	-	-	43,841
Northfield	ILR400405	0.18	748	197	33	-	-	979
Riverwoods	ILR400431	1.5	6,240	1,645	279	-	-	8,164
TOTAL		**27.6**	**116,737**	**30,776**	**5,220**	-	-	**152,733**

[1] *Effluent dominated stream below the 30% flow exceedance interval, all WLA allocated to Individually permitted point sources.*

[2] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-21 Chloride WLAs (lbs/day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-02

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Bannockburn	ILR400284	1.22	11,037	4,115	2,323	1,396	914	19,786
Cook County Hwy	ILR400485	0.03	259	96	54	33	21	463
Deerfield	ILR400324	2.14	19,336	7,210	4,070	2,446	1,602	34,664
Glenview	ILR400343	0.05	478	178	101	60	40	857
Green Oaks	ILR400203	2.72	24,592	9,170	5,177	3,111	2,037	44,088
Highland Park	ILR400352	0.85	7,660	2,856	1,613	969	635	13,733
IDOT	ILR400493	0.16	1,431	534	301	181	119	2,566
IL State Tollway Auth.	ILR400494	0.11	964	360	203	122	80	1,729
Lake County	ILR400517	3.80	34,390	12,824	7,239	4,351	2,849	61,653
Lake Forest	ILR400367	6.64	60,141	22,426	12,660	7,609	4,982	107,818
North Chicago	ILR400402	0.05	467	174	98	59	39	837
Northbrook	ILR400404	2.14	19,343	7,213	4,072	2,447	1,602	34,677
Northfield	ILR400405	1.91	17,295	6,449	3,641	2,188	1,433	31,006
Waukegan	ILR400465	1.04	9,378	3,497	1,974	1,186	777	16,812
Total		**22.8**	**206,770**	**77,102**	**43,527**	**26,161**	**17,130**	**370,689**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-22 Chloride WLAs (lbs/day) for MS4 Areas in Middle Fork Chicago River Segment HCCC-04

			High	Moist			Mid-Range	
Municipality	NPDES ID	MS4 Area in Basin (sq mi)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	Total Per MS4[1]
Bannockburn	ILR400284	1.22	15,424	7,568	5,066	3,860	3,154	35,072
Cook County Hwy	ILR400485	0.12	1,567	769	515	392	320	3,564
Deerfield	ILR400324	2.17	27,454	13,470	9,018	6,870	5,613	62,425
Evanston	ILR400335	0.01	73	36	24	18	15	167
Glencoe	ILR400198	1.95	24,732	12,134	8,124	6,189	5,057	56,236
Glenview	ILR400343	2.19	27,775	13,627	9,123	6,951	5,679	63,156
Golf	ILR400200	0.10	1,281	629	421	321	262	2,913
Green Oaks	ILR400203	2.72	34,395	16,875	11,298	8,607	7,033	78,208
Highland Park	ILR400352	8.38	106,043	52,028	34,832	26,537	21,682	241,122
Highwood	ILR400353	0.24	3,088	1,515	1,014	773	631	7,021
IDOT	ILR400493	0.64	8,072	3,960	2,651	2,020	1,650	18,353
IL State Tollway Auth.	ILR400494	0.11	1,426	700	469	357	292	3,243
Lake Bluff	ILR400366	1.53	19,328	9,483	6,349	4,837	3,952	43,949
Lake County	ILR400517	4.50	56,903	27,918	18,691	14,240	11,635	129,386
Lake Forest	ILR400367	11.83	149,750	73,471	49,188	37,475	30,618	340,502
Morton Grove	ILR400391	0.08	1,066	523	350	267	218	2,423
North Chicago	ILR400402	3.27	41,435	20,329	13,610	10,369	8,472	94,216
Northbrook	ILR400404	3.54	44,840	22,000	14,729	11,221	9,168	101,958
Northfield	ILR400405	3.04	38,419	18,849	12,619	9,614	7,855	87,356
Park City	ILR400420	0.25	3,158	1,549	1,037	790	646	7,181
Skokie	ILR400447	0.28	3,518	1,726	1,156	880	719	8,000
Waukegan	ILR400465	2.23	28,209	13,840	9,266	7,059	5,768	64,141
Wilmette	ILR400473	3.06	38,690	18,982	12,708	9,682	7,911	87,973
Winnetka	ILR400476	2.53	32,051	15,725	10,528	8,021	6,553	72,878
Total		**56.0**	**708,698**	**347,707**	**232,784**	**177,351**	**144,902**	**1,611,443**

[1] MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.

Table 2-23 Chloride WLAs (lbs/day) for MS4 Areas in Skokie River Segment HCCD-01

			High	Moist			Mid-Range	
Municipality	NPDES ID	MS4 Area in Basin (sq mi)	0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	Total Per MS4[1]
Cook County Hwy Dept.	ILR400485	0.05	678	346	262	223	194	1,704
Deerfield	ILR400324	0.03	473	241	183	155	136	1,187
Green Oaks	ILR400203	0.002	29	15	11	10	8	73
Highland Park	ILR400352	7.29	101,090	51,624	39,048	33,179	28,987	253,927
Highwood	ILR400353	0.24	3,382	1,727	1,306	1,110	970	8,496
IDOT	ILR400493	0.10	1,386	708	535	455	397	3,482
IL State Tollway Auth.	ILR400494	0.006	86	44	33	28	25	217
Lake Bluff	ILR400366	1.53	21,171	10,811	8,177	6,948	6,070	53,178

Table 2-23 Chloride WLAs (lbs/day) for MS4 Areas in Skokie River Segment HCCD-01

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[1]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%	40 - 50%	
Lake County	ILR400517	1.37	18,943	9,674	7,317	6,217	5,432	47,584
Lake Forest	ILR400367	5.19	71,964	36,750	27,797	23,619	20,635	180,765
North Chicago	ILR400402	3.22	44,671	22,812	17,255	14,661	12,809	112,208
Northbrook	ILR400404	0.0001	1.1	0.6	0.4	0.4	0.3	2.7
Park City	ILR400420	0.25	3,459	1,766	1,336	1,135	992	8,689
Waukegan	ILR400465	1.19	16,543	8,448	6,390	5,429	4,743	41,553
Total		**20.5**	**283,876**	**144,967**	**109,652**	**93,171**	**81,399**	**713,065**

[1] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

Table 2-24 Chloride WLAs (lbs/day) for MS4 Areas in Skokie River Segment HCCD-09

Municipality	NPDES ID	MS4 Area in Basin (sq mi)	High	Moist			Mid-Range	Total Per MS4[2]
			0 - 10%	10 - 20%	20 - 30%	30 - 40%[1]	40 - 50%[1]	
Cook County Hwy Dept.	ILR400485	0.04	325	82	18	-	-	425
Deerfield	ILR400324	0.03	286	72	16	-	-	373
Glencoe	ILR400198	1.95	16,372	4,121	897	-	-	21,390
Green Oaks	ILR400203	0.00	18	4	1	-	-	23
Highland Park	ILR400352	7.53	63,111	15,885	3,458	-	-	82,454
Highwood	ILR400353	0.24	2,044	515	112	-	-	2,671
IDOT	ILR400493	0.42	3,516	885	193	-	-	4,594
IL State Tollway Auth.	ILR400494	0.006	52	13	2.9	-	-	68
Lake Bluff	ILR400366	1.53	12,795	3,221	701	-	-	16,716
Lake County	ILR400517	1.37	11,450	2,882	627	-	-	14,960
Lake Forest	ILR400367	5.19	43,492	10,947	2,383	-	-	56,822
North Chicago	ILR400402	3.22	26,997	6,795	1,479	-	-	35,272
Northbrook	ILR400404	1.41	11,788	2,967	646	-	-	15,402
Northfield	ILR400405	1.12	9,361	2,356	513	-	-	12,230
Park City	ILR400420	0.25	2,090	526	115	-	-	2,731
Waukegan	ILR400465	1.19	9,998	2,516	548	-	-	13,062
Wilmette	ILR400473	0.66	5,545	1,396	304	-	-	7,245
Winnetka	ILR400476	2.53	21,217	5,340	1,162	-	-	27,720
Total		**28.7**	**240,458**	**60,525**	**13,174**	-	-	**314,157**

[1] *Effluent dominated stream below the 30% flow exceedance interval, all WLA allocated to Individually permitted point sources.*
[2] *MS4s discharges are assumed to occur under mid to high flow conditions and WLAs are not assigned for lower flows.*

2.3.2.5 Reserve Capacity

A portion of the chloride TMDL's LC may be set as RC to allow for future population growth and development. In the case of the North Branch HCC-07, West Fork HCCB-05, Middle Fork HCCC-02, Middle Fork HCCC-04, Skokie River HCCD-01, and Skokie River HCCD-9 TMDLs, an explicit RC was not included in the TMDL calculation to account for possible increases in point source discharges of chloride over time due to the considerable amount of unused capacity currently included in the POTW permits applicable to these waterbodies and impairments suggesting that facility expansion will not be necessary for the foreseeable future. Both POTW facilities in the watershed currently have average measured discharges well below their DAF as shown in **Table 2-18**. The Village of Deerfield POTW's actual average flow of 3.1 MGD represents 88% of the DAF (3.5 MGD), the Abbott Labs actual average flow of 0.86 MGD represents 87% of the DAF (0.99 MGD), and the North Shore Water Reclamation District outfall's actual average flow of 13.3 MGD represents 75% of the facility's DAF (17.5 MGD). The WLA applied to these facilities was calculated based on the DAF rather than actual historic flows resulting in a conservative overestimate of the fecal coliform loads they currently produce. This has the effect of creating an implicit RC from current conditions allowing for increased discharge to accommodate potential population growth, estimated to be approximately 17% between 2010-2040 (CMAP 2010), while still maintain the assigned WLA. As the watershed is already largely developed, nonpoint loads of chloride are not expected to increase with increased development in the watershed. In addition, per USEPA (2012) guidance, the use of the DMF in place of the more common DAF at higher flow conditions for each point source facility in the WLA calculations serves as a conservative measure in the TMDL calculations. This methodology essentially allows for each facility to use the entire treatment and discharge capacity available while still remaining within the WLA, regardless of instream and discharge flow conditions.

2.3.2.6 Load Allocations and TMDL Summaries

Table 2-25 shows the summary of the chloride TMDL for segment HCC-07, along with the percent reductions required at various flow levels. The majority of the WLA applied to this segment's TMDL are related to the MS4 areas discussed in Section 2.3.2.4. The individually permitted point sources in the watershed with chloride WLAs discharge to segments upstream of HCC-07 and are accounted for in TMDLs developed for the initial receiving segment. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-25 Chloride TMDL for North Branch (HCC-07)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	1,477,017	252,743	1,076,572	147,702	1,693,502	13%
Moist	10 - 20	663,040	113,458	483,279	66,304	630,158	0%
	20 - 30	393,512	67,337	286,824	39,351	485,656	19%
	30 - 40	264,138	45,199	192,526	26,414	337,346	22%
Mid-Range	40 - 50	199,451	34,129	145,377	19,945	238,904	17%
	50 - 60	161,717	145,545	-[2]	16,172	186,997	14%
Dry	60 - 70	134,764	121,288	-[2]	13,476	128,938	0%
	70 - 80	110,507	99,456	-[2]	11,051	79,914	0%
	80 - 90	86,249	77,624	-[2]	8,625	48,127	0%
Low Flow	90 - 100	61,992	55,792	-[2]	6,199	34,438	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (USEPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

A summary of the chloride TMDL for West Fork segment HCCB-05 is provided in **Table 2-26**. This segment is an effluent dominated stream receiving much of its flow from the of Deerfield POTW (IL0028347), particularly at lower flow levels. This facility does not currently have an effluent limit for chloride, but as a conservative measure, the facility was assigned a WLA using its design flow (DMF at high and moist flows and DAF at mid-range to low flows) and the instream water quality standard for chloride of 500 mg/L, as discussed in Section 2.3.2.4. In addition, WLAs were applied to this segment's TMDL for mid and high flows (>50% exceedance probability) proportional to the MS4 areas in the subbasin. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Under some flow conditions, the calculated WLA from point sources alone is greater than the calculated LC, resulting in insufficient available WLA and zero available LA. This anomaly is a product of the disproportionally high discharge flows associated with using design flows under all stream flow conditions that may be in excess of the estimated instream flow. In order to reconcile this and provide more accurate LA numbers, the WLA was set equal to the LC for these lower flow categories.

Table 2-26 Chloride TMDL for the West Fork (HCCB-05)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	172,498	5,150	150,099	17,250	221,608	22%
Moist	10 - 20	72,773	1,358	64,138	7,277	110,938	34%
	20 - 30	43,125	230	38,582	4,312	102,238	58%
	30 - 40	29,648	-[2]	26,683	2,965	49,821	40%
Mid-Range	40 - 50	24,258	-[2]	21,832	2,426	40,451	40%
	50 - 60	19,406	2,870	14,596	1,941	31,819	39%
Dry	60 - 70	15,902	-[2]	14,312[3]	1,590	22,116	28%
	70 - 80	13,207	-[2]	11,886[3]	1,321	12,101	0%
	80 - 90	11,320	-[2]	10,188[3]	1,132	7,596	0%
Low Flow	90 - 100	8,625	-[2]	7,762[3]	862	2,826	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (USEPA 2007)

[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.

[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 2-27 shows the summary of the chloride TMDL for segment HCCC-02 along with the percent reductions required at various flow levels. The majority of the WLA at higher flow levels in this segment's TMDL are related to the MS4 areas discussed in Section 2.3.2.4. Abbott Labs Pharmaceutical Research (IL0066435), the only individually permitted point source discharge assigned a WLA for chloride discharges to this segment. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent. When the stream flow is within the lowest two flow categories (80-100% flow exceedance probabilities), the calculated WLA from the point source alone is greater than the calculated LC, resulting insufficient available WLA and zero available LA. This anomaly is a product of the disproportionally high discharge flows associated with using DAFs under all stream flow conditions (no DMF is available for this facility) as well as the currently permitted effluent limit of 750 mg/L being greater than the TMDL target of 500 mg/L. In order to reconcile this and provide more accurate load allocation numbers, the WLA was set equal to the LC for these lower flow categories.

Table 2-27 Chloride TMDL for the Middle Fork (HCCC-02)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	245,271	9,845	210,898	24,527	237,762	0%
Moist	10 - 20	94,335	3,671	81,230	9,433	108,984	13%
	20 - 30	55,253	2,073	47,655	5,525	57,772	4%
	30 - 40	35,039	1,246	30,289	3,504	30,170	0%
Mid-Range	40 - 50	24,527	816	21,259	2,453	21,471	0%
	50 - 60	16,980	11,154	4,129	1,698	16,625	0%
Dry	60 - 70	11,051	5,817	4,129	1,105	9,172	0%
	70 - 80	6,738	1,936	4,129	674	5,226	0%
	80 - 90	3,504	-[2]	3,153[3]	350	3,049	0%
Low Flow	90 - 100	1,563	-[2]	1,407[3]	156	1,046	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (EPA 2007)

[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.

[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

Table 2-28 shows the summary of the chloride TMDL for segment HCCC-04 along with the percent reductions required at various flow levels. All of the WLA applied to this segment's TMDL are related to the MS4 areas as discussed in Section 2.3.2.4. All of the individually permitted point sources in the watershed discharge to segments upstream of HCCC-04 and are accounted for in TMDLs developed for the segment initially receiving the discharge. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-28 Chloride TMDL for the Middle Fork (HCCC-04)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	841,798	48,920	708,698	84,180	1,014,840	17%
Moist	10 - 20	413,009	24,001	347,707	41,301	416,292	1%
	20 - 30	276,503	16,068	232,784	27,650	280,330	1%
	30 - 40	210,659	12,242	177,351	21,066	346,788	39%
Mid-Range	40 - 50	172,116	10,002	144,902	17,212	173,460	1%
	50 - 60	146,421	131,779	-[2]	14,642	132,888	0%
Dry	60 - 70	130,361	117,325	-[2]	13,036	139,647	7%
	70 - 80	117,514	105,762	-[2]	11,751	111,663	0%
	80 - 90	104,666	94,200	-[2]	10,467	96,835	0%
Low Flow	90 - 100	93,424	84,082	-[2]	9,342	41,967	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (USEPA 2007)

[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

A summary of the chloride TMDL for Skokie River segment HCCD-01 is provided in **Table 2-29**. All of the chloride WLA applied to this segment's TMDL are related to the MS4 areas as discussed in Section 2.3.2.4. No individually permitted point sources discharge to the watershed upstream of HCCD-01. Although the North Shore Water Reclamation District's Clavey Road Water Reclamation Plant (IL0030171) is located adjacent to HCCD-01, the facility currently discharges to points downstream of this segment. Under low flow and dry conditions, the calculated WLA does not include MS4s as these sources are precipitation and flow dependent.

Table 2-29 Chloride TMDL for Skokie River (HCCD-01)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	315,738	288	283,876	31,574	360,496	12%
Moist	10 - 20	161,238	147	144,967	16,124	95,986	0%
	20 - 30	121,959	111	109,652	12,196	47,856	0%
	30 - 40	103,628	94	93,171	10,363	67,092	0%
Mid-Range	40 - 50	90,535	83	81,399	9,053	74,922	0%
	50 - 60	82,941	74,647	-[2]	8,294	62,639	0%
Dry	60 - 70	75,609	68,048	-[2]	7,561	76,558	1.2%
	70 - 80	69,586	62,627	-[2]	6,959	85,347	18%
	80 - 90	65,134	58,621	-[2]	6,513	42,893	0%
Low Flow	90 - 100	61,337	55,203	-[2]	6,134	54,453	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (USEPA 2007)
[2] WLA allocations for MS4s only applied in the mid to high flow categories, no other WLA required.

Table 2-30 shows the summary of the chloride TMDL for segment HCCD-09 along with the percent reductions required at various flow levels. This segment is an effluent dominated stream receiving much of its flow from the North Shore Water Reclamation District's - Clavey Road Water Reclamation Plant (IL0030171), particularly at lower flow levels. Although the facility currently does not have numeric effluent limits for chloride, a WLA was assigned using the instream standard for chloride of 500 mg/L (see Section 2.3.2.4). When the stream flow is within the lowest three flow categories (70-100% flow exceedance probabilities), the calculated WLA from the point source alone is greater than the calculated LC, resulting in insufficient available WLA and zero available LA. This anomaly is a product of the disproportionally high discharge flows associated with using design flows (DMF at high and moist flows and DAF at mid-range to low flows) regardless of actual stream flow conditions. To reconcile this and provide more accurate LA numbers, the WLA was set equal to the LC for these lower flow categories. A very small proportion of chloride samples collected in this segment exceed the TMDL target value (2 of 144 total samples) and TMDL analyses indicate that this segment does not require any load reductions to meet the established TMDL. This segment is a candidate for delisting.

Table 2-30 Chloride TMDL for Skokie River (HCCD-09)

Zone	Flow Exceedance Range (%)	LC (lbs/day)	LA (lbs/day)	WLA (lbs/day)	MOS - 10% of LC (lbs/day)	Actual Load[1] (lbs/day)	Percent Reduction Needed (%)
High	0 - 10	427,213	23,932	360,560	42,721	346,761	0%
Moist	10 - 20	207,390	6,024	180,627	20,739	147,330	0%
	20 - 30	149,542	1,311	133,276	14,954	144,188	0%
	30 - 40	126,403	-[2]	113,762	12,640	73,326	0%
Mid-Range	40 - 50	107,120	-[2]	96,408	10,712	70,798	0%
	50 - 60	95,550	11,765	74,230	9,555	65,226	0%
Dry	60 - 70	84,752	2,047	74,230	8,475	44,461	0%
	70 - 80	75,882	-[2]	68,294[3]	7,588	26,827	0%
	80 - 90	69,711	-[2]	62,740[3]	6,971	45,131	0%
Low Flow	90 - 100	64,119	-[2]	57,707[3]	6,412	24,385	0%

[1] Actual Load was calculated using the 90th percentile of observed chloride concentrations in a given flow range (USEPA 2007)
[2] Effluent dominated stream at certain flow levels, all WLA utilized by individually permitted NPDES facilities.
[3] At instream flows below facility DAF, actual instream flow values for the range are used to calculate WLA.

2.3.3 Dissolved Oxygen in Streams

All six of the impaired stream segments within the North Branch Chicago River Watershed are listed for impairment caused by low DO. As discussed in Section 1 of this report, a single, combined QUAL2K water quality model was developed to address the impaired segments.

The combined QUAL2K model was developed (see Section 1) to determine load reductions of oxygen-demanding materials needed to meet the 7-day average daily minimum water quality standard of 6.0 mg/L (March-July). The use of the 7-day average standard as a TMDL endpoint, as opposed to the 5.0 mg/L (March-July) and 3.5 mg/L (August-February) instantaneous minimum standards, serves as a conservative measure, adding to the implicit MOS for TMDL calculations derived from the model outputs.

The focus of this analysis is on the loadings of oxygen-demanding materials, CBOD and NBOD, as well as the demand of DO due to the degradation of organic material in the stream sediments (SOD). The available data suggest that these are the primary drivers of the identified DO impairment in this system. Nutrient loadings, and consequent plant growth, respiration, and decay, are also likely contributors to the DO problem in the study reaches. However, spatially distributed diurnal DO profiles, and/or considerable quantities of spatially distributed instream plant data (e.g., bottom algae density and coverage), are needed to quantify this portion of the contribution. The available DO data (see calibration data presented in Section 1) do suggest a daytime and roughly uniform depression of DO during critical flow conditions, rather than depressions that occur only during the early morning hours which would be indicative of plant and algae respiration overnight driving large diurnal swings in DO concentration. The lack of evidence for the existence of large diurnal changes in DO resulting in early morning exceedences appears to support our focus on CBOD, NBOD, and SOD for this TMDL analysis. Phosphorus loadings and impairment are addressed in a separate analysis (Section 2.4.1).

2.3.3.1 Loading Capacity

The LC for DO impairments equates to the maximum amount of oxygen-demanding material that a given waterbody can receive and still maintain compliance with the water quality standards. The allowable loads of oxygen-demanding material that can be generated in the North Branch Chicago River Watershed, and still maintain water quality standards, were analyzed using the calibrated models described in Section 1. Modeling analysis revealed that, for each of the modeled reaches in the watershed, the DO standards could not be met with reductions in oxygen-demanding material loads alone and the system would require geomorphic modification to increase reaeration and reduce SOD from the streambed in order to regularly attain water quality standards. In general, the model reveals that the system is only moderate sensitive to both point source and diffuse loads of oxygen-demanding materials.

Low DO levels in this watershed are driven primarily by a combination of naturally low reaeration driven by channel morphology and existing SOD independent of existing point and non-point source loads of oxygen demanding materials. 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 a wide array of 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. Nutrient loading is another likely contributor to SOD via the indirect effects of plant growth and decomposition. Given the large number of natural, anthropogenic, chemical, and biological factors and constituents contributing to the degree of SOD that may occur in the stream bed; quantification and source identification of SOD-causing materials is generally not possible without extensive site-specific sampling and analysis.

Various model outputs support the assumption that lack of natural reaeration and SOD dominate DO dynamics. For example, the available instream data for all modeled reaches indicate that CBOD concentrations are slow to decline with distance from point sources and are largely retained in the modeled system, suggestive of slow degradation of oxygen-demanding materials in these reaches that results in only minimal secondary impacts to DO levels. The model also shows that, neither CBOD nor NBOD concentrations in the water column are high enough to cause the observed depressed DO levels. However, it is possible that some proportion of the CBOD loads in this reach consists of by particulates that settle under low flow conditions, likely reducing their detection in typical water column CBOD analyses and contributing to overall SOD rates in this reach.

As low DO levels in this watershed are driven primarily by a combination of low reaeration and high SOD, and secondarily by indirect effects of nutrient loading (vegetative growth and decay), LCs were not explicitly calculated for any of the study reaches. Rather, the constructed models were used to estimate levels of overall SOD reduction or alternatively, increased reaeration processes, needed to achieve DO targets. Model internal rates were maintained at calibrated values for this exercise. Results are summarized in **Table 2-31**. These results are intended to provide guidance for future implementation projects.

Because a TMDL cannot be developed for reaeration or existing SOD from the streambed, numerical TMDL allocations could not be developed at this time. Although not currently quantifiable, at least modest increases in minimum critical-period dissolved oxygen concentrations can likely be achieved through reductions in nutrient loading into these waterbodies as discussed in other sections of this report. Potential further monitoring and implementation measures to increase physical aeration or reduce streambed SOD in the system are discussed in Section 3. Further monitoring is also recommended to confirm the preliminary conclusions outlined above. QUAL2K model parameters for each of the three models developed, including primary inputs and outputs, are provided in Appendix E.

Table 2-31 Summary of Dissolved Oxygen TMDL Modeling

Impaired Segment	Targeted DO Standard (mg/L)[1]	Current Critical Period DO (mg/L)	Required Combined Percent Reduction in SOD and Increased Reaeration
North Branch (HCC-07)	6.0	4 - 5	60%
West Fork (HCCB-05)	6.0	3 – 6.5	60%
Middle Fork (HCCC-02)	6.0	4 - 5	60%
Middle Fork (HCCC-04)	6.0	4 - 5	60%
Skokie River (HCCD-01)	6.0	4 - 5	60%
Skokie River (HCCD-09)	6.0	4 - 5	60%

[1] Based on 7-day average (March - July)

2.3.4 Total Phosphorus TMDLs for Lakes

2.3.4.1 Loading Capacity

TMDLs were developed for Skokie Lagoons, Chicago Botanic Garden Lake, and Eagle Lake to determine the pounds of total phosphorus that can be allowed as input to each lake per day and still meet the applicable water quality standard. The lowest applicable water quality standard and TMDL target for total phosphorus is 0.05 mg/L. The allowable phosphorus loads that can be generated in the watershed and still maintain water quality standards were determined with the SLAMs discussed in Section 1.

Table 2-32 Estimated Phosphorus Loading Capacities for Each Segment of Each Phosphorus-Impaired Lake in the North Branch Chicago River Watershed

Waterbody	Segment	Loading Capacity (lbs/day)
Skokie Lagoons	RHJ-1	0.39
	RHJ-2	0.35
	RHJ-3	3.58
	Total	**4.32**
Chicago Botanic Garden Lake	RHJA-1	0.08
	RHJA-2	0.08
	RHJA-3	0.33
	Total	**0.49**
Eagle Lake	UHH-1	0.27
	UHH-2	0.30
	Total	**0.56**

To calculate the LC, the current total phosphorus load into each lake was first calculated in the model using values from the historical data. The current calculated loads from internal and external sources were then iteratively reduced in the model until the water quality standards were met by the 90th percentile of all projected daily concentrations at each sampling station within a lake. The SLAM calculates daily concentrations of total phosphorus for each modeled segment based on a depth-integrated average concentration while lakes are assessed for impairment of total phosphorus based only on the concentrations reported for the surface of the lake. As surface and epilimnetic concentrations are typically lower than the hypolimnetic and depth-integrated average concentration, LCs calculated using the 90th percentile of depth integrated concentrations will result in compliance with standards assessed at the surface and will therefore be protective of all designated uses of the impaired waterbody.

The total allowable loads of total phosphorus into Skokie Lagoons, Chicago Botanic Garden Lake, and Eagle Lake calculated through SLAM are shown in **Table 2-32**.

2.3.4.2 Seasonal Variation

A season is represented by changes in weather; for example, a season can be classified as warm or cold, as well as wet or dry. Seasonal variation is accounted for in the total phosphorus TMDLs by developing the model and performing all calculations of load on a multi-year basis. Modeling was performed to project over a 16-year period (2000-2015) for each lake and takes into account the seasonal effects each lake will undergo during a given year. Skokie Lagoons, Chicago Botanic Garden Lake, and Eagle Lake will each experience critical conditions pertaining to phosphorus concentrations every year based on the growing season which is mid to late summer. Because the models use daily time-steps over a multi-year period for TMDL development, the critical conditions for each waterbody are accounted for within the analysis.

2.3.4.3 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. The MOS developed for the Skokie Lagoons, Chicago Botanic Garden, and Eagle Lake TMDLs are both implicit and explicit. In each TMDL, an explicit MOS of 10% was included to account for the lack of site-specific data available within these watersheds. It is believed that the inclusion of an explicit MOS of 10%, in combination with the implicit MOS, is adequate to account for variability between modeled and observed data.

In addition to the explicit MOS of 10%, the analyses completed for these waterbodies were conservative as a result of the default coefficients and values used in each SLAM, which were originally developed for the USACE's BATHTUB model and ported into the SLAM software and intended to be conservative in nature in the absence of site-specific information. As stated in the BATHTUB technical documentation, "if the model is re-calibrated to site-specific data and the default input values for model error coefficients are used, the procedure will over-estimate prediction uncertainty (CV's of predicted values)." This holds true for the underlying equations incorporated into the SLAM interface. In this case, all available data were used to perform a limited site-specific calibration, while default error coefficients were maintained in the model. Therefore, the uncertainty presented in the final results is likely an over-estimation of the actual model uncertainty, and thus conservative. In other words, the range of potential outcomes is likely smaller than the range presented. Or, put another way, the high ends of the ranges of predicted phosphorus concentrations (worst case concentrations) are likely higher than the actual expected outcomes.

In addition, default model value ranges, such as dispersion rates and settling velocities, are based on scientific data accumulated from a large survey of lakes. Wherever site-specific data are not available, literature-based model rates are used, which are derived from error analysis calculations. The SLAM and the default values incorporated within the model are designed to provide a conservative range predicted outcomes to enhance confidence in the predicted values.

2.3.4.4 Waste Load Allocation

WLAs for phosphorus TMDLs are applied to individually permitted facilities and MS4s that exist in the North Branch Chicago River watershed, as described below. No CSO discharges exist within the watersheds of any of the impaired lakes.

Individual NPDES permitted facilities

There are currently no individual NPDES permitted point sources in the Eagle Lake or Chicago Botanic Garden Lake watersheds. One municipal treatment facility exists within the Skokie Lagoons watershed, North Shore Water Reclamation District (IL0030171). However, this facility discharges to a point in the Skokie River downstream of the Skokie Lagoons and is not considered in the TMDL analysis for this waterbody. Additional general NPDES permitted discharges in the watershed but are not explicitly included in the report and calculations due to the lack of flow and water quality data availability associated with general permits. Other NPDES permitted facilities, such as combined sewer overflows (CSOs) and MS4s, are detailed elsewhere in this report.

MS4 Discharges

MS4 discharges represent runoff from municipal areas with separate stormwater sewer systems. MS4 discharges are regulated discharges and therefore, are allocated through WLAs, rather than LAs. WLAs for MS4s in lakes are calculated in a similar way as those calculated for impaired streams segments. The total area within a municipality's boundaries that lies within the target lake's watershed was again determined using GIS analyses and geographic data for municipal boundaries from the U.S. Census Department (2013). However, none of the impaired lakes' watersheds are serviced by combined sewer systems, so the total municipal area within the watershed serves as an approximation of the total MS4 area in the watershed.

Table 2-33 Allocation Summary for MS4s in the Skokie Lagoons Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Deerfield	25.0	0.2%	0.001
Glencoe	114	0.8%	0.006
Green Oaks	3.2	0.0%	0.000
Gurnee	103	0.8%	0.006
Highland Park	4,613	34.1%	0.257
Highwood	161	1.2%	0.009
Knollwood	381	2.8%	0.021
Lake Bluff	980	7.2%	0.055
Lake Forest	3,312	24.5%	0.185
North Chicago	2,061	15.2%	0.115
Northbrook	17.9	0.1%	0.001
Northfield	0.065	0.0%	0.000
Park City	486	3.6%	0.027
Waukegan	1,135	8.4%	0.063
Winnetka	131	1.0%	0.007
Total MS4	**13,522**	**100.0%**	**0.753**

The proportion of total MS4 area to total watershed area was then calculated for each lake's sub-watershed. This proportion was then used to migrate loads from previously calculated LAs for overland runoff to WLAs for MS4 areas in each flow category. This process effectively transfers MS4 load allocations for overland runoff from non-regulated sources described as LAs to the WLA for regulated sources of contaminants. The total MS4 load allocations for phosphorus that are applied to the proportion of each municipality within each impaired reach's subbasin are shown in **Tables 2-33** through **2-35.**

Table 2-34 Allocation Summary for MS4s in the Chicago Botanic Garden Lake Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Northbrook	2.4	1.8%	0.0012
Highland Park	134.4	97.9%	0.0644
Glencoe	0.5	0.3%	0.0002
Total MS4 WLA	**137.3**	**100%**	**0.0657**

Table 2-35 Allocation Summary for MS4s in the Eagle Lake Watershed

Source	Municipal Area in Subbasin (acres)	Percent of Total Municipal Area in Subbasin	Total Phosphorus Allocation (lbs/day)
Mettawa	45.1	17.8%	0.045
Lake Forest	208.5	82.2%	0.208
Total MS4 WLA	**253.5**	**100%**	**0.253**

2.3.4.5 Reserve Capacity

A portion of a TMDL's LC may be set as a RC to allow for future population growth and development potentially leading to increased pollutant loads in the future. In the case of these TMDLs for total phosphorus in Skokie Lagoons, Eagle Lake, and Chicago Botanic Garden Lake, an explicit RC was not included in the TMDL calculations due to the lack of POTWs or other point sources in the watershed that may be expected to increase discharge as a result of projected population growth in the area.

2.3.4.6 Load Allocation and TMDL Summary

Summaries of the total phosphorus TMDLs developed for Skokie Lagoons, Chicago Botanic Garden Lake, and Eagle Lake are provided in **Tables 2-36, 2-37**, and **2-38**, respectively. Required reductions in both internal and external total phosphorus loads are shown for each lake segment and reflect the reductions applied during the SLAM runs used to establish reduction criteria. While the overall load reduction for each segment is needed to meet the target, the relative proportion of the load reduction coming from internal or external sources can be modified and still result in compliance. For example, in the Skokie Lagoons model, load reductions made to meet the TMDL target in segments RHJ-1 and RHJ-3 will result in the TMDL target being met in segment RHJ-2, regardless of any segment-specific load reduction strategies applied to that segment. Potential means of reducing both internal and external phosphorus loads into these waterbodies are discussed in detail in Section 3 of this report. In addition, percent reductions listed are for the overall reductions to current internal and external loads and do not specify if reductions should be focused on the WLA or LA.

Note that although each waterbody was modeled using two or three distinct lake segments to more accurately depict the degree of impairment at various locations throughout the lakes for planning purposes, each table below (2-36 through 2-38) represents a single regulatory waterbody and a single overall TMDL for each waterbody as a whole is presented in the "Lake Total" portion of each table.

Table 2-36 Total Phosphorus TMDL Summary for Skokie Lagoons (RHJ)

Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (Percent)
RHJ-1	Internal	0.31	-	0.28	0.03	0.65	52%
	External	0.08	0.06	0.00	0.01	0.08	0%
	Total	0.39	0.06	0.28	0.04	0.72	47%
RHJ-2	Internal	0.25	-	0.23	0.03	0.25	0%
	External	0.10	0.05	0.04	0.01	0.10	0%
	Total	0.35	0.05	0.26	0.03	0.35	0%
RHJ-3	Internal	1.03	-	0.92	0.10	8.56	88%
	External	2.56	0.64	1.66	0.26	21.31	88%
	Total	3.58	0.64	2.59	0.36	29.87	88%
Lake Total	**Internal**	**1.59**	**-**	**1.43**	**0.16**	**9.45**	**83%**
	External	**2.73**	**0.75**	**1.70**	**0.27**	**21.48**	**87%**
	Total	**4.32**	**0.75**	**3.13**	**0.43**	**30.94**	**86%**

Table 2-37 Total Phosphorus TMDL Summary for Chicago Botanic Garden Lake (RHJA)

Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (Percent)
RHJA-1	Internal	0.030	-	0.027	0.003	0.049	38%
	External	0.046	-	0.041	0.005	0.048	6%
	Total	0.076	-	0.068	0.008	0.098	22%
RHJA-2	Internal	0.029	-	0.027	0.003	0.029	-
	External	0.051	0.0004	0.046	0.005	0.051	-
	Total	0.081	0.0004	0.072	0.008	0.081	-
RHJA-3	Internal	0.165	-	0.148	0.016	0.275	40%
	External	0.163	0.065	0.082	0.016	0.396	59%
	Total	0.328	0.065	0.230	0.033	0.671	51%
Lake Total	**Internal**	**0.225**	**-**	**0.202**	**0.022**	**0.353**	**36%**
	External	**0.260**	**0.066**	**0.168**	**0.026**	**0.496**	**48%**
	Total	**0.485**	**0.066**	**0.371**	**0.049**	**0.850**	**43%**

Table 2-38 Total Phosphorus TMDL Summary for Eagle Lake (UHH)

Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (Percent)
UHH-1	Internal	0.223	-	0.200	0.022	0.437	49%
	External	0.044	0.039	0.00001	0.004	0.109	60%
	Total	0.266	0.039	0.200	0.027	0.545	51%
UHH-2	Internal	0.056	-	0.051	0.006	0.094	40%
	External	0.240	0.214	0.002	0.024	0.749	68%
	Total	0.296	0.214	0.052	0.030	0.843	65%
Lake Total	**Internal**	**0.279**	**-**	**0.251**	**0.028**	**0.530**	**47%**
	External	**0.283**	**0.253**	**0.002**	**0.028**	**0.858**	**67%**
	Total	**0.562**	**0.253**	**0.253**	**0.056**	**1.389**	**60%**

2.3.5 Other TMDL Impairments in the North Branch Chicago River Watershed

In addition to the fecal coliform, chloride, and DO impairments in streams addressed in this report, the Middle Fork segment HCCC-04 is also listed for impairment caused by high water temperatures. Excess temperature in streams may be the result of the use of water as a coolant by point source dischargers, which causes elevated effluent temperatures. Additionally, watershed urbanization has been shown to significantly increase summertime temperatures in receiving streams. This effect is due to a number of factors, including the removal of natural shading and the reduction of base flows. Runoff from impervious surfaces that have been heated by the sun also contribute to this effect. The resultant elevated water temperatures are directly stressful to native aquatic life.

As discussed in Section 1.4.5, an assessment of the temperature impairment in HCCC-04 was incorporated into the QUAL2K model developed to assess DO impairments throughout the watershed. However, the low proportion and extent of the exceedances reported, combined with the limited nature of the available dataset (no continuous temperature monitoring and sample times not reported for daily readings) resulted in poor setup and calibration of the model for daily temperature analysis. Further semi-quantitative assessment of the reported temperature exceedances was completed as described in Section 1.5.4.

Overall, data limitations and general inconsistencies in the reported results for temperature measurements in HCCC-04 limited the available means of assessment for this impairment. Given that no exceedances have been reported in over 110 measurements collected in the past 10-years, combined with the fact that there are no known sources of elevated water temperature in the reach and no exceedances have been reported in adjacent reaches, it is possible that the segment is not currently impaired by elevated stream temperatures. Further data collection is necessary to confirm the temperature impairment in this reach. A TMDL was not developed for the temperature impairment in segment HCCC-04 of the Middle Fork.

Section 3

Implementation Plan for the North Branch Chicago River Watershed

3.1 Implementation Overview

The goal of this watershed plan is to identify BMPs that can be implemented in the North Branch Chicago River watershed that will provide reasonable assurance that impaired waters in the watershed will meet water quality criteria developed to ensure waterbodies are able to support their designated uses.

The USEPA has identified nine minimum elements that a watershed plan for impaired waters is required to include. A watershed plan is expected to:

1. Identify causes and sources of pollution which will need to be controlled to achieve pollutant load reduction requirements estimated within the watershed plan.
2. Estimate pollutant load reductions expected as a result of implementation of the management measures described in #3 below.
3. Describe the nonpoint source management measures that will need to be implemented in order to achieve the load reduction estimates and identify the critical areas where measures need to be implemented for maximum effectiveness.
4. Identify the potential sources that will drive implementation of the prescribed management measures needed for project success; then determine the technical assistance needed for implementation and quantify its associated costs.
5. Include a public information/education component designed to change social behavior; then identify the indicators of the success of this component.
6. Develop an implementation schedule for the plan.
7. Develop a description of interim, measurable milestones; then identify what a successful milestone looks like.
8. Identify indicators that can be used to determine whether pollutant loading reductions are being achieved over time.
9. Include monitoring components required to evaluate the effectiveness of the implementation efforts over time.

Element 1 has been addressed in Sections 1 and 2 of this report. The remaining elements are addressed in the following section. Additional and more detailed information on implementation actions in the watershed can be found in the Lake County Stormwater Management Commission's

2008 North Branch Chicago River Watershed-Based Plan (Lake County Stormwater Management Commission 2008). This existing watershed-based plan details specific actions required to control stormwater and reduce pollutant and nutrient loading to the North Branch Chicago River and its tributaries. The plan was developed to reflect stakeholder concerns and priorities and is intended to serve as a road map for future implementation, outreach and education activities throughout the entirety of the watershed in both Lake and Cook Counties. The Lake County Stormwater Management Commission (SMC) is working with stakeholders in the watershed to transition the North Branch Chicago River Planning Committee (NBPC) and the North Branch Watershed Consortium (NBWC) to the North Branch Watershed Workgroup (NBWW), which will be a voluntary dues-paying organization that will work to assess current water quality conditions and set goals and actions to cost-effectively improve water quality in the watershed. The Lake County SMC will also facilitate an update to the watershed-based plan, scheduled for publication in 2018. The plan will be revised to reflect current and future land use, identify critical areas, and establish a site-specific action plan that incorporates the recommendations of this TMDL. The plan will have a monitoring component and establish milestones for water quality and load reduction targets, and include an education and outreach strategy. The 2008 plan, project updates, and additional information on the NBWW can be found on the Lake County SMC webpage for this watershed at: https://www.lakecountyil.gov/2433/North-Branch-Chicago-River-Watershed.

The information presented in the following sections is intended to summarize implementation actions that may be utilized in the North Branch Chicago River watershed to improve water quality and reduce the number and degree of impairments in the watershed. More detailed information on potential actions as well as details on specific projects within the watershed can be found in the 2008 Watershed-Based Plan. Updates on the progress of the 2018 plan update as well as updates on specific projects implemented based on the 2008 plan will be included in this report as they become available.

3.2 Adaptive Management

An adaptive management, or phased approach, is recommended for the implementation of management practices designed to meet the TMDLs developed for the North Branch Chicago River watershed. Adaptive Management is a process for continually improving management policies and practices by learning from the in-progress results of the operational programs. Because it is driven by real-world results, Adaptive Management complies with the USEPA guidelines described above in Section 3.1. Some of the defining characteristics of adaptive management 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 to each management issue during the assessment and design stages
- Careful implementation of a plan of action designed to identify the critical knowledge needed but not available during this Adaptive Management phase, and to establish this missing information

- Monitoring of key response indicators
- Analysis of the management outcomes in consideration of the original objectives and incorporation of the results into future decisions (British Columbia Ministry of Forests 2000)

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, filtration basins, or filter strips; or managerial, such as land use management, effective street sweeping programs, lawn fertilizer restrictions, and public outreach or education. Both structural and managerial BMPs require effective management to be successful in reducing pollutant loading to water resources (Osmond et al. 1995).

It is typically most effective to install a combination of point 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 BMP system that establishes controls for the transport mechanism can be employed (Osmond et al. 1995).

To assist in development of an adaptive management program; implementation actions, management measures, available assistance programs, and recommended continued monitoring are all discussed throughout the remainder of this section. The point source BMPs described below are generally required and typically already being implemented although some permit modifications may be appropriate. The nonpoint source BMPs are entirely voluntary based on the landowner's preference.

3.3 BMP Recommendations for TSS and Sedimentation/Siltation Reductions in Streams

TMDLs have not been developed for TSS and sedimentation/siltation impairments within the North Branch Chicago River watershed due to a lack of numeric water quality standards for these parameters. However, a discussion of possible implementation strategies to reduce loads of these constituents to impaired waters is provided below.

Nonpoint source runoff from urban areas, decreased infiltration associated with the prevalence of impervious surfaces, and increased overland flow are the main contributors to high sediment loads in the North Branch Chicago River watershed. Most modern developments route runoff from impervious surfaces directly into storm sewers or paved channels which effectively convey the pollutants, including sediments and suspended solids, 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, non-urbanized, setting. The increased flow rate leads to several issues including stream channel erosion and/or downcutting of the channel, both of which contribute to sedimentation/siltation and suspended solid loads. Alterations to natural storage and conveyance functions (e.g., stream channel modification) can also result in increased flow velocities and volumes subsequently causing stream channel erosion and increased flooding.

In addition to flow and conveyance concerns, building and road construction activity in and adjacent to water bodies and wetlands create both short-term and long-term effects on water quality. Although erosion on construction sites often affects only a relatively small acreage of land in a watershed, it is a major source of sediment because the potential for erosion on highly disturbed land is commonly 100 times greater than on agricultural land (Brady and Weil 1999). The primary short-term effect is erosion in the denuded areas, those lacking vegetation, with potential deposition of sediment in nearby waterbodies. The long-term effects of urban development upon waterbodies and wetlands primarily result in the elimination of vegetation and other natural 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.

Given these factors, nonpoint source controls designed to control erosion sources and/or to reduce TSS and NVSS loads stemming from overland flows in urban areas (discussed below) have been shown to reduce the TSS and sedimentation/siltation issues present in streams and lakes/reservoirs as well as provide a secondary benefit of reducing other contaminants, such as total phosphorus, that may be entering waterways via erosive processes. The BMPs discussed below are applicable to TSS and/or sedimentation/siltation impairments within the listed watershed. Applicable BMPs are also discussed in Chapter 4 of the *2008 North Branch Chicago River Watershed-Based Plan.*

- Filter strips
- Urban Reforestation/Riparian Buffer Restoration
- Wetlands
- Stormwater Retention Basins (dry and wet ponds)
- Vegetated Swales
- Permeable Pavement
- Sand Filters
- Compost Blankets, Filter Berms, and Filter Socks
- Stormwater Reduction Techniques
- Bio-Retention Cells
- Streambank Stabilization and Erosion Control
- Street Sweeping

Filter Strips: Filter strips are applicable to both rural and urban settings. Filter strips are vegetated areas of land, planted along waterways, used to intercept runoff before it can enter a waterbody. The vegetation in the filter strip slows and filters runoff, thereby serving as a control to reduce both pollutant loads from runoff and sedimentation to the impaired waterbody. Filter strips also provide bank stabilization thereby decreasing erosion and re-sedimentation. Grass filter strips have been shown to remove as much as 65 percent of sediment and 75 percent of total phosphorus loads from runoff (USEPA 2003).

The Illinois Natural Resources Conservation Service (NRCS) Conservation Practice Standard 393 (June 2003) 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 3-1** provides a summary of the guidance for filter strip width, or flow length, as a function of slope (NRCS 2003).

Table 3-1 Filter Strip Flow Lengths Based on Land Slope

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

GIS land use data were used to provide an estimate of acreage within the North Branch Chicago River watershed where filter strips could be installed. In conjunction with the available land use, topography, and soil information discussed in the Stage 1 report, mapping software was used to identify potential buffer areas for impaired stream segments and their major tributaries to an appropriate and reasonable width, described in **Table 3-1** above, to determine the total area found in each subbasin. Due to the diversity 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 each 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 buffer strips. Existing forests and wetlands already function as filter strips or riparian buffers and conversion of developed residential or commercial lands is often infeasible. Because the primary land use within the buffer zones is urban, the greatest benefit to water quality may be installation of filter strips where there are semi-developed pervious land areas, e.g., parks or open areas within the stream buffers. Therefore, GIS software was used to calculate the approximate acreage of all non-forested lands within the appropriate buffer area for each impaired stream segment and its tributaries. These calculated buffer areas and acreage of convertible land within the buffer distances for each impaired stream segment and its tributaries are provided in **Table 3-2**. These data represent an approximation of the maximum acreage of land potentially available for conversion to filter strips. 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 instream water quality following conversion to filter strips.

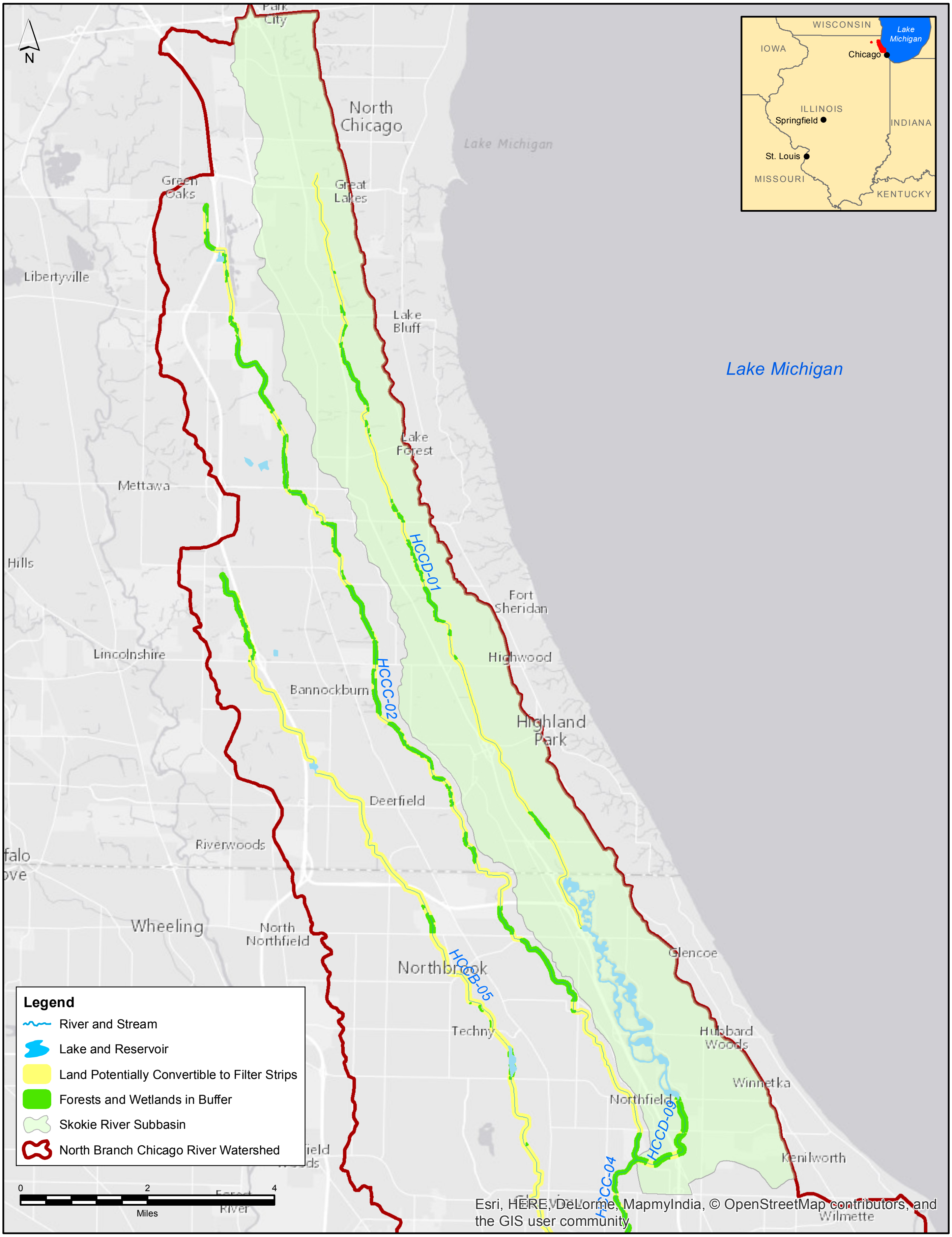
There are approximately 2,520 total acres within the various buffer distances of impaired stream segments, an estimated 1,645 acres of which are not currently forest, wetland, or undeveloped grassland and where filter strips could be installed to benefit water quality. Much of the remaining land is currently low and medium intensity developed land which will need to be evaluated on a parcel-by-parcel basis to determine the feasibility of potentially installing this type of BMP. Landowners or managers should be encouraged to 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 3-1**. Figures depicting the buffered areas and agricultural lands suitable for conversion to filter strips in each subbasin are provided as **Figures 3-1** through **3-4**.

Table 3-2 Average Slopes, Filter Strip Flow Length, Total Buffer Area, and Area of Land Within Buffers Potentially Suitable for Conversion to Filter Strips, by Stream Segment

Stream Name	Segment ID	Average Slope Adjacent to Streams (%)	Filter Strip Flow Length (feet)	Total Area in Buffer (Acres)	Potentially Convertible Land in Buffer (Acres)
North Branch Chicago River	HCC-07	2.4%	162	453	209
West Fork	HCCB-05	3.7%	206	742	648
Middle Fork	HCCC-02	2.4%	162	742	403
Middle Fork	HCCC-04	2.1%	148	120	29
Skokie River	HCCD-01	1.6%	128	415	332
Skokie River	HCCD-09	4.5%	225	98	25

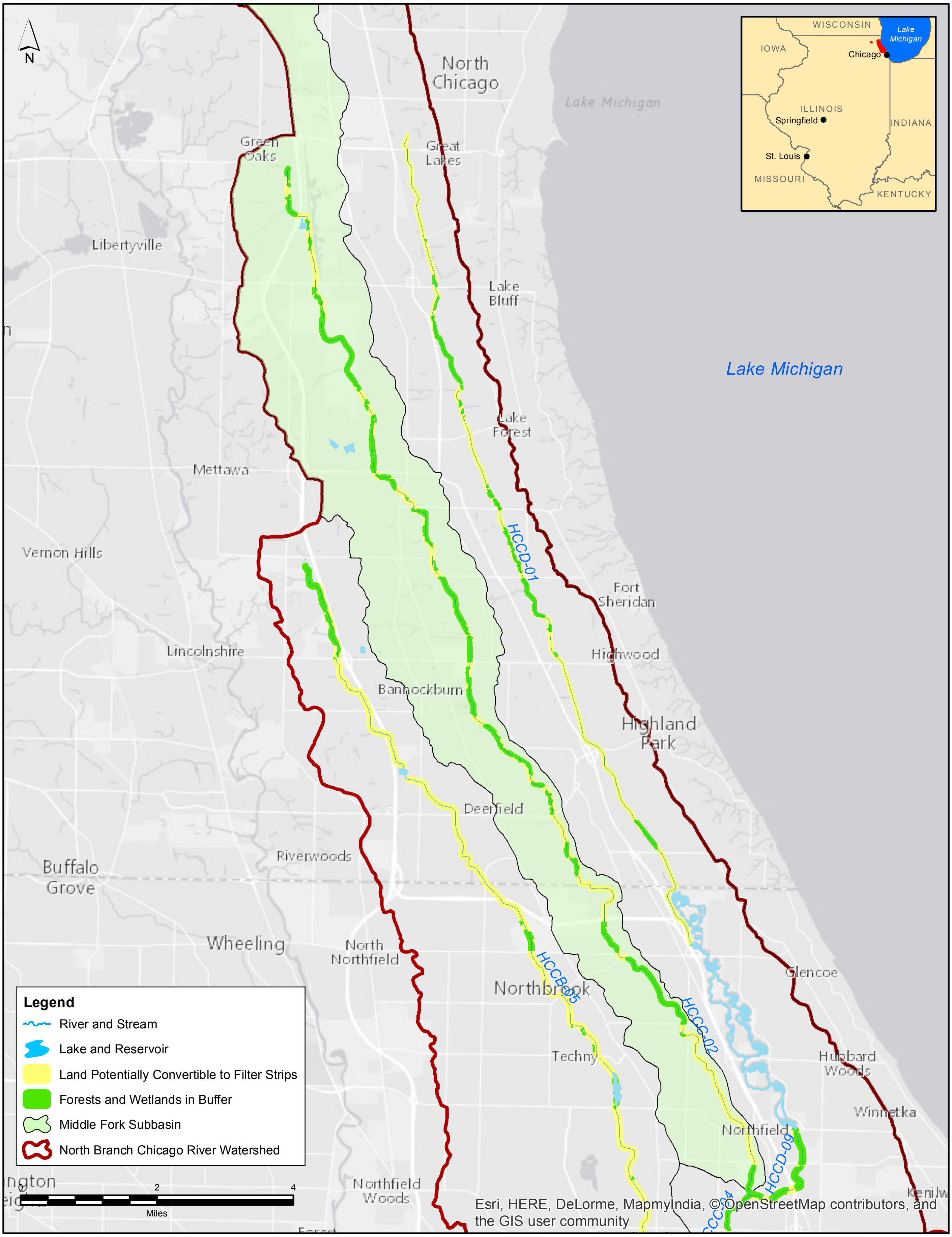
Urban Reforestation/Riparian Buffer Restoration: Riparian buffers are also applicable to both rural and urban settings. Urban reforestation is the practice of planning and planting large areas of trees to increase the urban canopy and decrease impervious area. Riparian buffers are vegetated areas of land used to intercept runoff before it can enter a waterbody. The buffers slow and filter runoff thereby serving as controls to reduce both pollutant loads from runoff and sedimentation to the impaired waterbody. Maintaining and/or restoring riparian buffers with trees helps to filter pollutants out of runoff from roads, parking lots, and other paved areas. The trees provide shade to moderate soil and stream temperatures. Additionally, the rooting systems of the vegetation serve as reinforcements in streambank soils, which help to hold streambank material in place and minimize erosion. Due to the increase in stormwater runoff volume and peak rates of runoff associated with urban development, stream channels are subject to greater erosional forces during stormflow events. Preserving natural vegetation along stream channels therefore minimizes the potential for water quality and habitat degradation due to streambank erosion as well as that additional pollutant or sediment load entering the stream.

The USEPA (2003) reports phosphorus removal rates of approximately 25 to 30 percent for 30 foot wide buffers and 70 to 80 percent for 60 to 90 foot wide buffers. Riparian corridors can typically treat a maximum of 300 feet of adjacent land before runoff forms small channels that short circuit treatment. Land use data for the North Branch Chicago River watershed were clipped to 25 feet buffer zones created around the impaired stream segments. Existing grassland, forest, and agricultural areas within the 25-foot buffer zones are shown in **Table 3-3** by segment.



North Branch Chicago River Watershed
Skokie River Segments HCCD-01 and HCCD-09
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

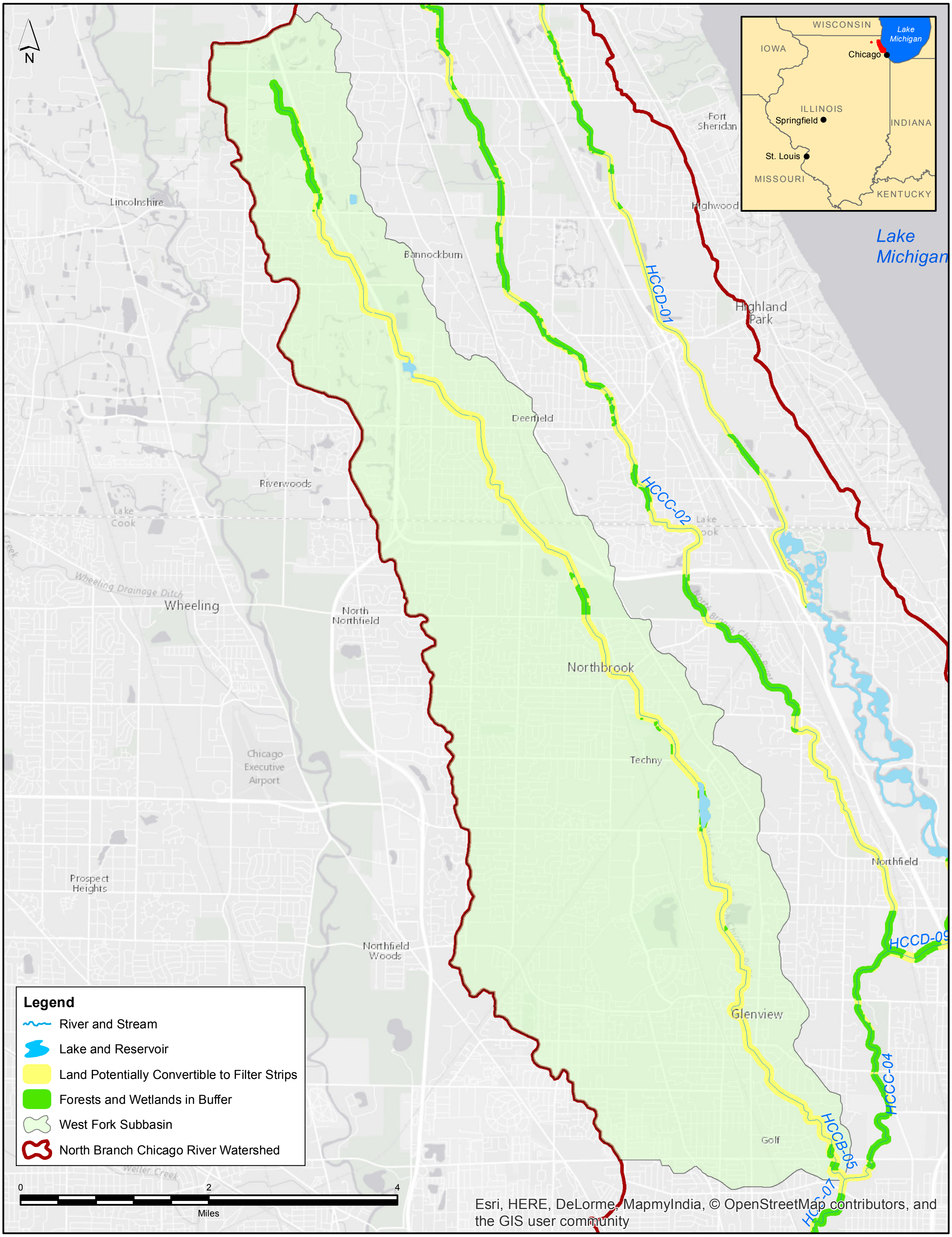
FIGURE 3-1



North Branch Chicago River Watershed
Middle Fork Segments HCCC-02 and HCCC-04
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

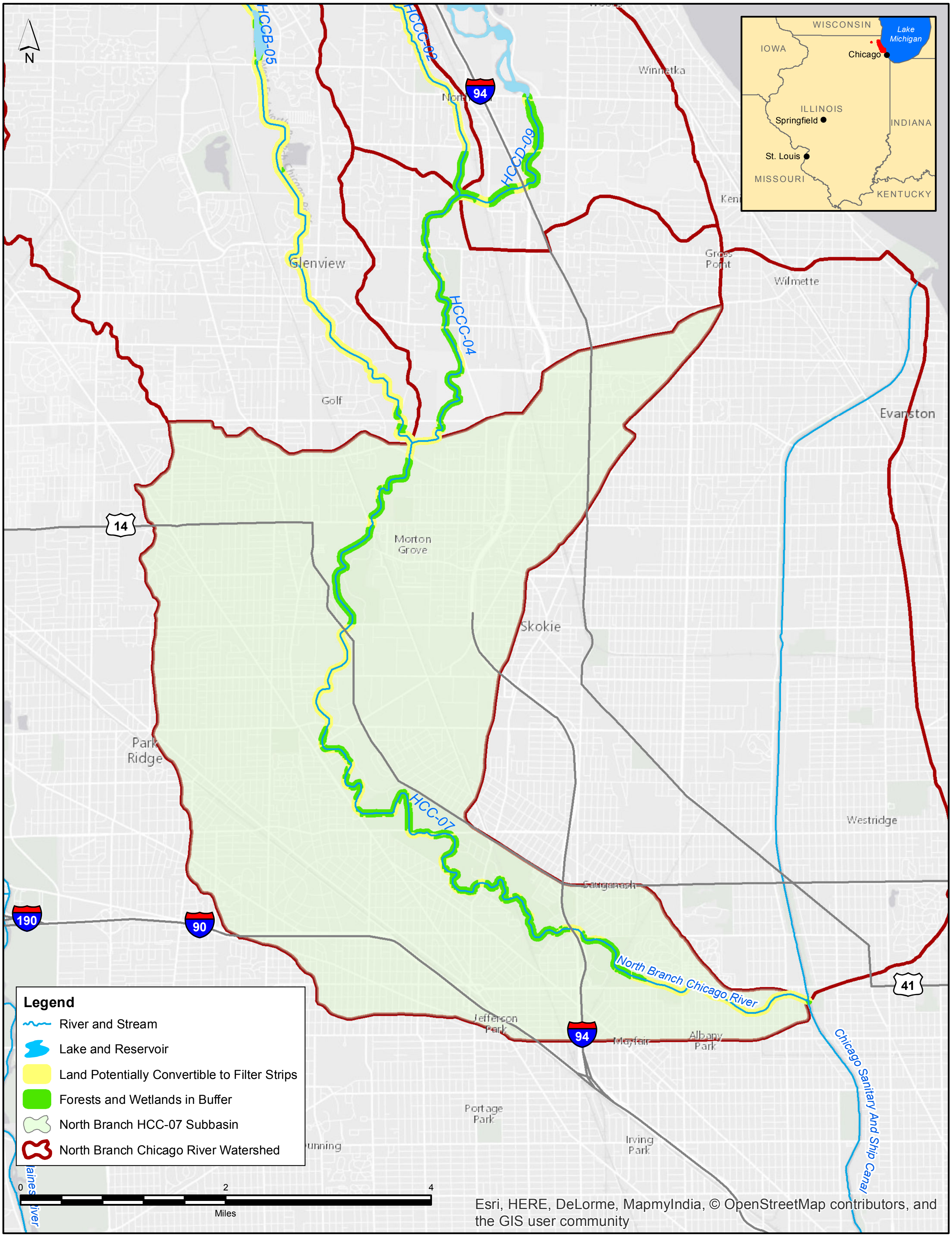
FIGURE 3-2



North Branch Chicago River Watershed
West Fork Segment HCCB-05
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

FIGURE 3-3



North Branch Chicago River Watershed
North Branch Chicago River Segment HCC-07
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

FIGURE 3-4

Landowners should assess parcels adjacent to the stream channels and maintain or improve existing riparian areas or potentially convert cultivated lands.

Table 3-3 Total Area and Area of Grassland, Forest, and Agricultural Land Within 25-Foot Buffer, by Stream Segment

Stream Name	Segment ID	Area in 25 ft Buffer (Acres)	Grassland in 25 ft Buffer (Acres)	Forest in 25 ft Buffer (Acres)	Agricultural Land in 25 ft Buffer (Acres)
North Branch Chicago River	HCC-07	70.0	8.0	40.5	0.5
West Fork	HCCB-05	89.9	25.2	11.2	0.0
Middle Fork	HCCC-02	114.6	31.1	53.1	1.4
Middle Fork	HCCC-04	20.1	2.7	15.8	0.0
Skokie River	HCCD-01	81.1	40.3	17.8	0.0
Skokie River	HCCD-09	10.5	1.0	8.3	0.0

Implementation of an urban reforestation/riparian buffer restoration program requires a coordinated effort and sites should be prioritized for best results. The Northern Virginia BMP Handbook (1997) suggests the following considerations:

- Is the land already owned or planned for a public or semi-public use? In general, obtaining permission to replant a denuded buffer within an existing or planned public land use is more feasible than obtaining permission to replant on private land.
- Is the land slated for future development or infrastructure or has a riparian reforestation project already been planned for the site? It is best to consult with other agencies and organizations to be sure that there is no duplication of plans and to ensure that what is planted is not in an area slated for future development or the infrastructure that accompanies development. This includes communication with adjacent property owners and all utility companies (sewer, electric, cable, and phone).
- Does the site build upon already existing buffer areas to create a forested buffer system?
- Does the stream reach contain sensitive or endangered natural resources that will benefit from riparian reforestation? If a stream reach has been identified as being critical habitat to an endangered species, reforestation of that stream reach may be a priority.
- Will a buffer area reduce nonpoint source pollution from adjacent land uses or will adjacent land uses serve to degrade the buffer area? Buffer areas are effective at controlling pollutants in runoff only when the stormwater enters the system as slow, overland sheetflow. Buffer areas abutting large lot residential areas or institutions with large areas of grass, can serve to significantly reduce nonpoint source pollution. However, buffers may not be useful, and may be damaged, if located near highly impervious land cover without adequate safeguards.
- Do the physical conditions of the site (such as degraded or under-cut streambanks or physical structures) allow the possibility of a vegetated buffer; and would additional site

engineering be required? If so, would the cost, in terms of money and potential short term physical degradation, be worth the long term benefits?

Once program goals and objectives have been determined and sites have been prioritized, the Northern Virginia BMP Handbook also suggests the following to aid in the success of the program:

- Determine Planting Purposes – While the purpose of this suggested program is the reduction in nonpoint source pollution (particularly TSS through control of soil erosion, but also nutrients and oxygen demanding materials – to be discussed later in this section), other goals and objectives may coincide and be complimentary to nonpoint source pollution reduction. These other purposes may include: shade (temperature control and habitat); shelter from winds; screening of unsightly views; privacy buffers; boundaries for traffic control; lowering of carbon dioxide levels; reduced energy costs for buildings; specimen landscaping features and the removal of invasive plants; and potentially increased property values.

- Determine the General Planting Location Based on Objectives – Once the purpose has been established, where to plant should be considered to fulfil these purposes. As discussed above, urban reforestation/riparian buffer restoration should be focus in areas that are beneficial to the impaired stream segments in this watershed. Additional consideration in the placement of trees is the location of underground utilities. Location of underground utilities should be the first step in determining plant placement.

- Determine Ownership and Get Permission to Plant– If the planting is to be done on private property, the ownership of that property must be established and permission granted to go forth with the project. One must also receive permission to plant in public areas, whether it is a school, library, park, etc. Care should be taken not to plant in a public easement such as a future street right-of-way, sanitary sewer, or stormwater detention facility without proper permission. Trees may be removed or end up being damaged otherwise. Riparian buffer restoration work may require additional approvals. For instance, it is always wise to notify the Army Corps of Engineers about project activities. It is possible that the project will require a permit because the stream flow is being temporarily disturbed.

In additional to all of the above consideration, it is suggested that any program to reforest or restore riparian buffers should consult with a local arborist and/or area nurseries to determine the best trees for the available space, local climate, and soil types.

Wetlands: The use of wetlands as a structural control is applicable to sediment and nutrient reduction from urbanization in the North Branch Chicago River watershed. Even in urban settings, wetlands serve as an important buffer between terrestrial activities and aqueous environments. Existing wetlands should be maintained and additional wetlands could be constructed to treat loads from runoff at select locations where more focused runoff occurs and land use allows; e.g., at the downstream end of a drainage channel. Wetlands are effective BMPs for phosphorus and sediment control because they filter sediment and slow overland flow thereby reducing soil erosion (NRCS 2014).

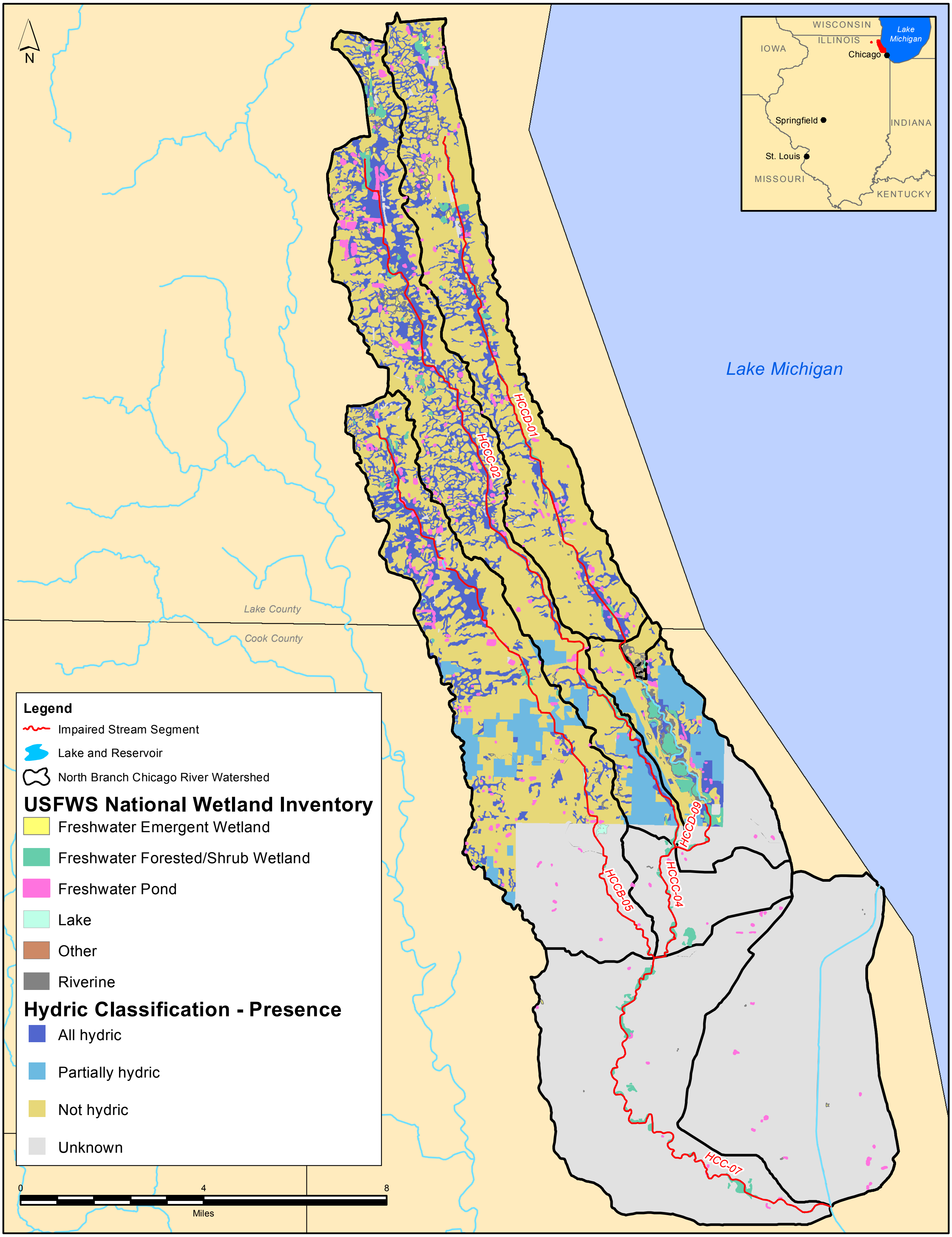
A properly designed and functioning wetland can provide very efficient treatment of pollutants, such as phosphorus. Design of wetland systems is critical to the sustainable functionality of the system and should consider soils in the proposed location, hydraulic retention time, and space requirements. In general, soils classified as hydric are most suitable for wetland construction. The current extent of soils classified as hydric by the NRCS as well the current extent of existing U.S. Fish and Wildlife classified wetlands in the North Branch Chicago River watershed are shown in **Figure 3-5**. 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 nutrient uptake capacity. These data layers are developed on a large-scale and onsite soil investigation and wetland delineation is typically necessary for verification of the suitability of a given area for wetland construction.

Constructed wetlands, which comprise the second or third stage of a nonpoint source treatment system, can be very 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, up to 90 percent for total phosphorus, 20 to 80 percent of orthophosphate, and 10 to75 percent for nitrogen species (Johnson, Evans, and Bass 1996; Moore 1993; USEPA 2003; Kovosic et al. 2000). Although the removal rate for phosphorus is low in long-term studies, the rate can be improved if sheet flow is maintained to the wetland and vegetation and substrate are monitored to ensure the wetland is operation optimally. Sediment or vegetation removal may be necessary if the wetland removal efficiency is lessened over time (USEPA 2003). Guidelines for wetland design suggest a wetland to watershed ratio of 0.6 percent for nutrient and sediment removal from agricultural runoff.

Stormwater Retention Basins (Dry and/or Wet Ponds): Control basins and ponds ("dry" or "wet") may be used for flood control and treatment of stormwater. Both systems function to settle suspended sediments and other solids typically present in stormwater runoff.

Stormwater ponds are also called retention ponds or "wet" ponds and they hold back water similar to water behind a dam. The pond has a permanent pool of water that fluctuates in response to precipitation and runoff from the contributing areas. Maintaining a pool discourages resuspension and keeps deposited sediments at the bottom of the holding area. USEPA's 1993 Nationwide Urban Runoff Program indicated that up to two-thirds of the sediment, nutrients and trace metals can be removed via sedimentation within 24 hours, while two weeks are required to remove a significant amount of phosphorus. A wet detention basin must receive and retain enough water from rain, runoff, and groundwater to maintain a permanent pool in the deeper areas of the basin. Most sources recommend a minimum drainage area of 10 to 25 acres to sustain a constant inflow. Wet detention basins should be sized to treat the water quality volume and detain and release the 100-year event. The permeability of hydrologic soil groups "C" and "D" is suitable for a wet basin without modification. The side slopes of a wet detention basin should be no steeper than 5:1 above the normal water level (DuPage County 2008).

Dry ponds which may also be referred to as extended detention basins, detention ponds, and/or extended detention ponds are basins whose outlets are designed to detain the stormwater runoff from a water quality "storm" for some minimum duration (e.g., 24 hours) which allow sediment



CDM Smith

North Branch Chicago River Watershed
Existing Wetlands and Hydric Soils

FIGURE 3-5

particles and associated pollutants to settle out. Unlike wet ponds, dry extended detention ponds do not have a permanent pool. However, dry extended detention ponds are often designed with small pools at the inlet and outlet of the pond, and can also be used to provide flood control by including additional detention storage above the extended detention level.

Although the North Branch Chicago River watershed is highly urbanized, both wet and dry ponds can be very useful stormwater retrofits with two primary applications as a retrofit design. In many communities, detention basins have been designed for flood control in the past. It is possible to modify these basins to incorporate features that encourage water quality control, and/or channel protection. It is also possible to construct new dry extended detention ponds in open areas of a watershed to capture existing drainage, or create them above a road crossing or culvert.

In general, dry extended detention ponds should be used at sites with a minimum drainage area of 10 acres. On smaller sites, it may be difficult to provide channel or water quality control because the orifice diameter at the outlet becomes very small, and is thus prone to clogging. In addition, it is generally more cost-effective to control larger drainage areas due to the economies of scale in pond construction. Dry ponds can be used on sites with slopes up to about 15% although the local slope needs to be relatively flat to maintain reasonably flat side slopes. While there is no minimum slope requirement, enough elevation drop is needed from the pond inlet to the pond outlet to ensure that flow can move through the system (Stormwater Manager's Resource Center 2016).

Vegetated Swales: Vegetated swales are an effective infiltration-based technique in an urban setting. These swales use an open channel designed to attenuate runoff. As runoff or stormwater discharge enters these channels, it is slowed by the vegetation; this subsequently reduces sediment suspension, promotes filtration through soil, and increases infiltration into groundwater. Pollutants are removed by settling and infiltration into soil and by biological uptake of nutrients. They also increase the time of retention within the watershed, further reducing peak flow rates. Grassed swales therefore provide the benefits of reducing peak flows and increasing pollutant removal, at low capital cost. Swales are particularly well suited for highways, roads, and parking lots because the channel designs are straight and can be easily incorporated into design schemes (Koski and Kinzelman 2010). Swales are not practicable in areas with flat grades, steep grades, or in wet or poorly drained soils, but are an excellent choice for many urban areas given the low land area requirements compared to many alternatives.

The swales can be used as a standalone option or as a conveyance mechanism to channel runoff to other retentive BMPs. Benefits of this BMP come from reductions in runoff volume and removal of nutrients, sediments, and heavy metals [TSS (86%), total phosphorous (34%), soluble phosphorous (38%), total nitrogen (84%), carbon (69%), and moderate reductions of heavy metals (cadmium 42%, copper 51%, lead 67%, and zinc 71%)] (Schueler and Holland 2000b).

Permeable Pavement: Permeable pavement removes waterborne pollutants from stormwater runoff and allows it to filter through the underlying soil. Permeable pavements functions similar to other infiltration measures. The pavement traps some particulate bound pollutants, but most of the runoff and pollutants are discharged to the groundwater, as there is usually little organic-rich soil beneath permeable pavements that trap the pollutants as in most other infiltration devices.

A permeable pavement is constructed of a permeable asphalt or bituminous concrete surface with a 2.5 to 4 inch thickness that is placed over a highly permeable layer of crushed stone or gravel, 24 inches thick. A filter fabric can be placed beneath the gravel or stone layer to prevent movement of fines into the deeper layers, although many installations show clogging of the filter fabric, and most recent designs use rock filters and not filter fabrics. Runoff from the stone and gravel layers then infiltrates into the soil. If the infiltration rate is slow, perforated underdrain pipes can be placed in the stone layer to convey the water back to a surface waterway. The primary advantage of permeable pavement is that it can be put to dual use reducing land use requirements. But, permeable pavements are not as durable as conventional pavements, and generally have much lower vehicle load limits. Also, they are costlier than conventional pavements. (Pitt and Narayanan 2016)

Sand Filters: Sand filters are also an infiltration-based technique that can be used for both sediment/TSS and pollutants. Water enters a settling basin to remove heavier sediments and is then directed to filter media composed of sand or an appropriate organic material. Sand filters are a good option for highly urban areas because they occupy little space, tend to be easier to retro-fit compared to other BMPs, and have few design restrictions. However, these types of structures can be high maintenance and costly to construct (USEPA 2006). Sand filters do not add anything to an environment aesthetically but can be buried underground, thereby increasing their ability to be installed in highly urbanized settings. Sand filters can effectively remove a large range of pollutants, including the following: fecal coliform from 51% to over excess of 99% (Schueler and Holland 2000a, Clary et al. 2008), TSS at an average of 87% (Schueler and Holland 2000b), total phosphorus at around 59%, and carbon at about 67%.

Compost Blankets, Filter Berms, and Filter Socks: Compost blankets, compost filter berms, and compost filter socks are BMPs employed to reduce surface runoff, particularly addressing the reduction of sediments and other suspended solids.

- Compost blanket: This is a layer of loosely applied composted material placed on soil in a disturbed area to reduce stormwater runoff and erosion. The material fills in small rills and voids to limit channelized flow, provides a more permeable surface to facilitate stormwater infiltration, and promotes revegetation. Seeds can be mixed into the compost before it is applied. Applying a compost blanket works well as a stormwater BMP because it a) retains a large volume of water, which aids in establishing vegetation growth within the blanket, b) acts as a cushion to absorb the impact energy of rainfall, which reduces erosion, c) stimulates microbial activity that increases the decomposition of organic matter, which increases nutrient availability and improves the soil structure, d) provides a suitable microclimate with the available nutrients for seed germination and plant growth, and e) removes pollutants such as heavy metals, nitrogen, phosphorus, fuels, grease, and oil from stormwater runoff, thus improving downstream water quality (USEPA 1998).

- Compost filter berm: A compost filter berm is a dike of compost or a compost product that is placed perpendicular to runoff to control erosion in disturbed areas and retain sediment.

Compost berms can be placed at regular intervals to help reduce the formation of rill and gully erosion when a compost blanket is stabilizing a slope.

- Compost filter sock: A compost filter sock is a three-dimensional tubular sediment control and stormwater runoff filtration device typically used for perimeter control of sediment and soluble pollutants (such as phosphorus and petroleum hydrocarbons). They are effective when installed perpendicular to sheet or low concentrated flow. Compost filter socks trap sediment and soluble pollutants by filtering runoff water as it passes through the matrix of the sock and by allowing water to temporarily pond behind the sock, allowing deposition of suspended solids. Applications include: site perimeters; above and below disturbed areas subject to sheet runoff, interrill, and rill erosion; above and below exposed and erodible slopes; along the toe of stream and channel banks; around area drains or inlets located in a 'sump'; and on or around areas where trenching of silt fence is difficult or impossible, such as on compacted soils, frozen or paved ground, or around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation.

Stormwater Reduction Techniques: Reducing the amount of stormwater entering receiving waterbodies via overland flow can help reduce the amount of sediment and pollutants concurrently carried into the waterbodies. Stormwater reduction techniques which may be implemented in urban settings include the following:

- Rain barrels: These are designed to catch water from downspouts and store it for non-potable uses such as gardening.
- Rain gardens are a type of bio-retention cell (which are described below)
- Green roofs: These are an engineering technique that uses vegetation on rooftops to reduce runoff, which in turn reduces the transport of sediment. In urban areas, green roofs can represent a large surface area, and may help retain as much as 87% of rainfall.

Bio-retention cells: Bio-retention cells, or rain gardens, are a low impact development technique in which vegetation and infiltration are used to hold and treat stormwater at the source of discharge. Properly used bio-retention cells can reduce runoff volumes, increase groundwater recharge, increase evapotranspiration, provide a lag time for discharged runoff, and reduce pollutants entering ground and surface waters (Hunt et al. 2008). The cells were initially designed to handle the runoff from smaller sites, between one and three acres, but can be modified to fit inside a variety of sites.

Bio-retention cells are designed to decrease the volume of effluent as well as improve water quality through filtration, infiltration, adsorption, and bio-transformations. Typical designs consist of sloped grass buffer strips which convey water into an infiltration basin. The infiltration basin consists of a layer of highly permeable media, such as sand, which is covered by a layer of planting soil and mulch. The mulch layer is planted with fauna such as earthworms to keep soil pores open, increase transpiration, and potentially uptake pollutants. Depending on the soil infiltration rate of the site, an underlying drain can be added to remove excess water from the media. In bench studies of simulated bio-retention cells, fecal coliform reduction rates have been observed from 54 to 99.8% with an average decrease of 91.6% (Rusciano and Obropte 2007); copper, lead and zinc were removed in excess of 95%; and total phosphorus was removed at approximately 80% (Koski and Kinzelman 2010).

Streambank Stabilization/Erosion Control: Soil erosion is the process of moving soil particles or sediment by flowing water or wind. Additionally, eroding soil transports pollutants that can potentially degrade water quality. Three available approaches to potentially decrease nonpoint TSS, sedimentation/siltation, and/or pollutant source loads in an urban setting, as well as helping to stabilize eroding banks include the following:

- Stone Toe Protection: Non-erodible materials are used to protect the eroding banks of a stream. Meandering bends found in the watershed could potentially be stabilized by placing the hard armor only on the toe of the bank. Stone toe protection is most commonly implemented "using stone quarry stone that is sized to resist movement and is placed on the lower one third of the bank in a windrow fashion" (Kinney 2005).

- Rock Riffle Grade Control: Naturally stable stream systems typically have an alternating riffle-pool sequence that helps to dissipate stream energy. Riffle rock grade control places loose rock grade control structures at locations where natural riffles would occur to create and enhance the riffle-pool flow sequence of stable streams. By installing riffle rock in an incised channel, the riffles will raise the water surface elevation resulting in lower effective bank heights, which increases the bank stability by reducing the tractive force on the banks (Kinney 2005).

- Rock chutes: Rock chutes are riprap lined water conveyance structures used to move water down a slope in a non-erosive manner. The main purpose of a rock chute is to reduce channel flow velocity by dissipating energy and to provide a stable grade at the outlet to prevent erosion.

Street Sweeping: Street sweeping is the practice of passing over an impervious surface, usually a street or a parking lot, with a vacuum or a rotating brush for the purpose of collecting and disposing of accumulated debris, litter, sand, and sediments. Street sweeping is widely practiced by urban and suburban governments for litter and dust control. In addition, many commercial establishments utilize street sweeping for aesthetic reasons.

For street sweeping to have a beneficial effect on water quality in urban areas, a schedule of frequent sweeping must be established. There are several types of street sweepers, some of which are more effective than others at removing certain types of nonpoint source pollution. Some examples of street sweeping devices include mechanical sweepers, vacuum assisted mechanical sweepers, regenerative cleaners, industrial type vacuum sweepers, hand sweepers, and street flushers, although vacuuming is ideal so that sediment will not simply be redeposited within the same land area. The physical removal of particulates and attached fine pollutant particles from the street surface will lessen the pollutant load transferred to receiving waters.

Studies have shown that there are certain times when street sweeping is very effective in improving water quality. In areas with defined wet and dry seasons, sweeping prior to the wet season is likely to be beneficial, and is highly effective at reducing chloride loads to streams. Other times when sweeping is beneficial are following snow melt and heavy leaf fall (Northern Virginia 1997). The current extent of street sweeping in the watershed, type of equipment used, and program schedules are currently unknown. Each local jurisdiction in the watershed should be encouraged to review their existing program and make adjustments, as needed, to include pollutant removal and water quality improvements program goals.

3.4 BMP Recommendations for Reducing TSS in Lakes and Reservoirs

TMDLs have not been developed for TSS impairments in lakes within the North Branch Chicago River watershed due to a lack of numeric water quality standards for these parameters. However, nonpoint source controls designed to reduce erosion and overland flow are expected to reduce TSS in lakes as well as provide a secondary benefit of reducing other contaminants such as total phosphorus that may be entering waterways via erosive processes. The BMPs discussed in Section 3.3 are also applicable to TSS impairments within the lakes.

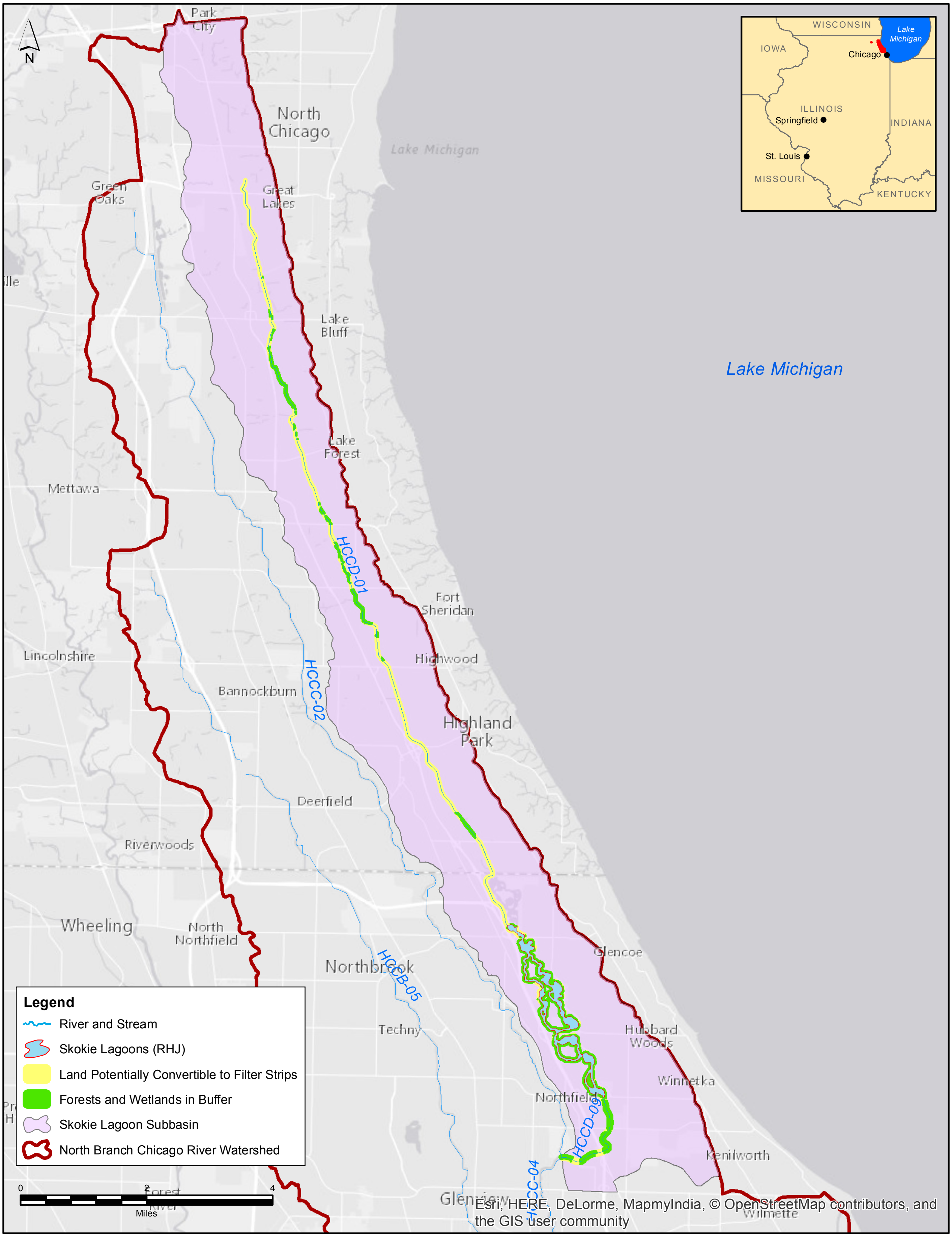
Stormwater retention basins, sand filtration basins, and bio-retention cells could be constructed at the upstream end of select lakes or at a location of more concentrated inflow to the selected lake. Filter strips; riparian buffers; vegetated swales; permeable pavement; compost blankets, berms, and socks; stormwater reduction techniques may also be employed in select areas to help control overland flow and the associated transport of sediment and pollutants.

For the filter strips, potential tributary and shoreline buffer areas were calculated using average slopes in the subbasin as described in Section 3.3. The average slopes, appropriate filter strip flow lengths, and calculated areas within the buffer distances for each waterbody are provided in **Table 3-4**. The table also shows estimated acres of open land surrounding each lake and its tributaries where filter strips could potentially be installed. Landowners or managers should be encouraged to evaluate their land adjacent to impaired lakes to determine the practicality of installing or extending filter strips to achieve effective flow lengths as previously described. Figures depicting the buffered areas and open lands suitable for conversion to filter strips in each lake's subbasin are provided in **Figures 3-6** through **3-8**.

Table 3-4 Average Slopes, Filter Strip Flow Length, Total Buffer Area, and Area of Land within Buffers Potentially Suitable for Conversion to Filter Strips, by Lake

Waterbody Name	**Segment ID**	**Average Slope** (%)	**Filter Strip Flow Length** (feet)	**Total Area in Buffer** (Acres)	**Potentially Convertible Land in Buffer** (Acres)
Skokie Lagoons	RHJ	1.60%	128	642	367
Chicago Botanic Garden Lake	RHJA	4.25%	219	127	103
Eagle Lake	UHH	5.75%	234	43	21

- Skokie Lagoons watershed – 642 acres of land within 128-foot buffer established for Skokie Lagoon and its tributaries, of which 367 acres are classified as non-wetland and non-forest land uses which may benefit from conversion to filter strips



North Branch Chicago River Watershed
Skokie Lagoons (RHJ)
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

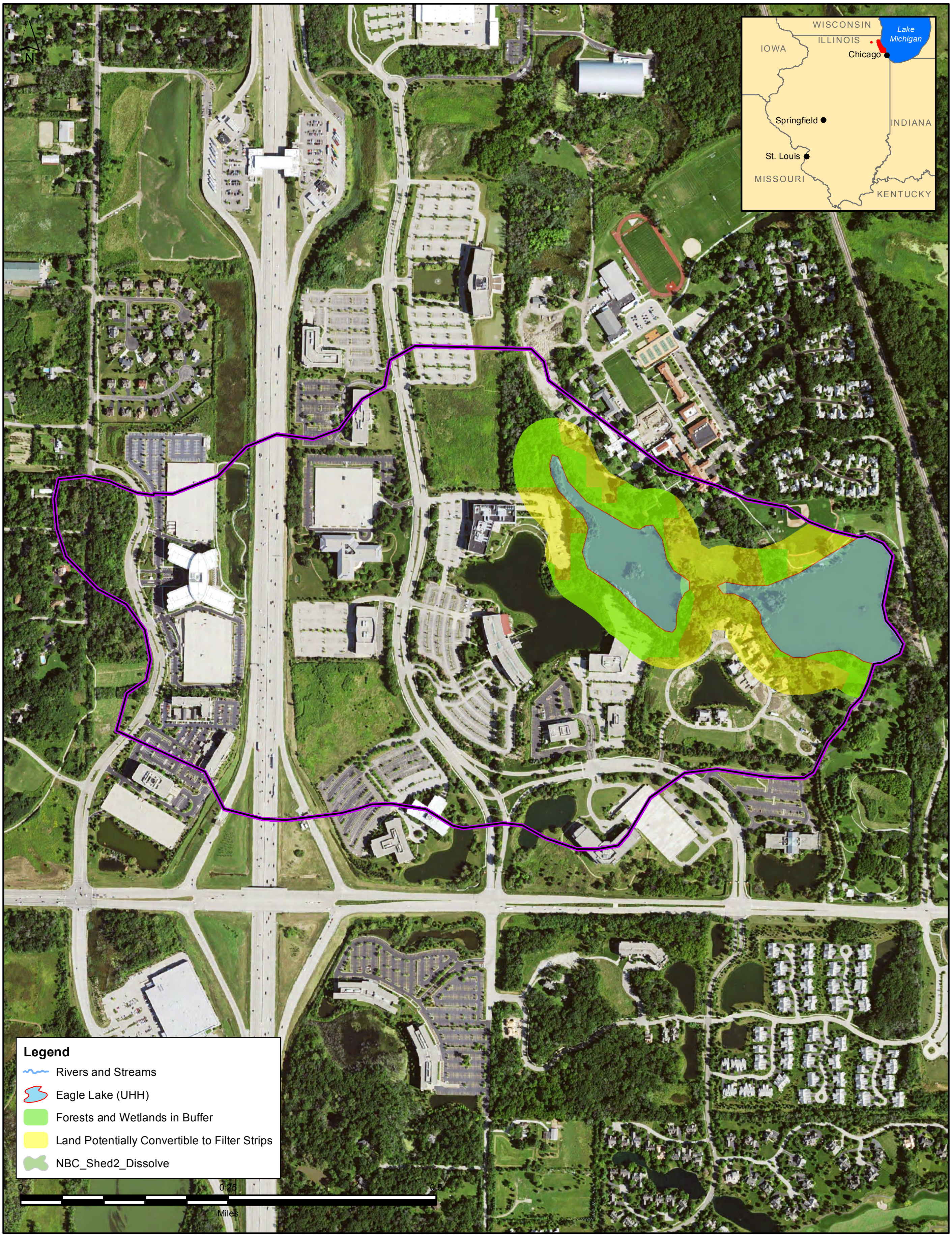
CDM Smith

FIGURE 3-6

North Branch Chicago River Watershed
Chicago Botanic Garden Lake (RHJA) Subbasin
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

CDM Smith

FIGURE 3-7



North Branch Chicago River Watershed
Eagle Lake (UHH) Subbasin
Buffer Areas and Lands Potentially Suitable for Conversion to Filter Strips

FIGURE 3-8

- Chicago Botanic Garden watershed – 127 acres of land within 219-foot buffer established for Chicago Botanic Garden Lake, of which 103 acres are categorized as non-wetland and non-forest land uses which may benefit from conversion to filter strips
- Eagle Lake watershed – 43 acres of land within 234-foot buffer established for Eagle Lake, of which 21 acres are categorized as non-wetland and non-forest land uses which may benefit from conversion to filter strips

For the riparian buffers, potential tributary and shoreline buffer areas were estimated as described in Section 3.3 and are shown in **Table 3-5**. Landowners or managers should be encouraged to assess parcels adjacent to impaired lakes and maintain or improve existing riparian areas or potentially convert semi-developed lands.

Table 3-5 Total Area and Area of Grassland, Forest, and Agricultural Land Within 25-Foot Buffer of Impaired Lakes and their Major Tributaries.

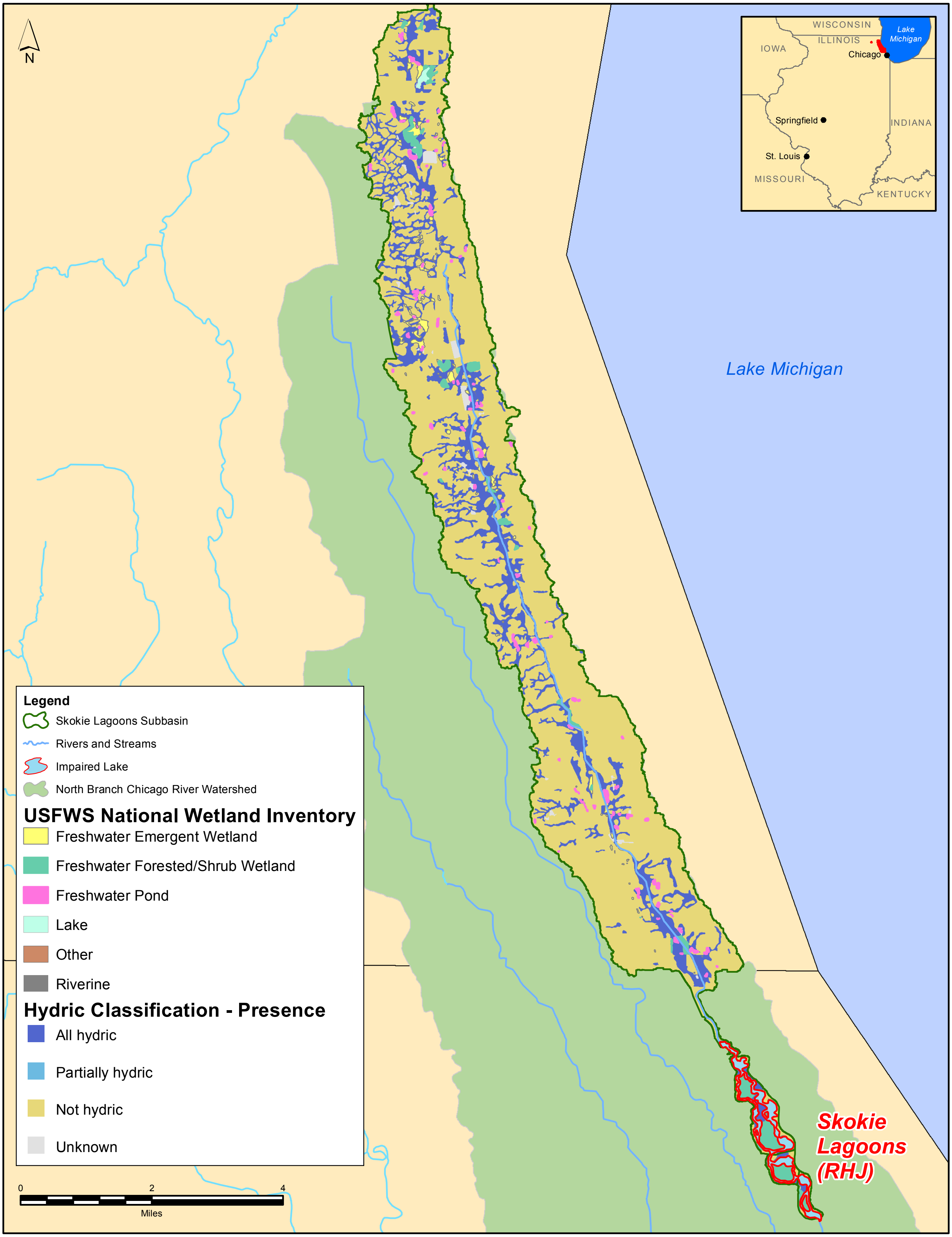
Stream Name	**Segment ID**	**Area in 25 ft Buffer** (Acres)	**Grassland in 25 ft Buffer** (Acres)	**Forest in 25 ft Buffer** (Acres)	**Agricultural Land in 25 ft Buffer** (Acres)
Skokie Lagoons	RHJ	127.1	41.9	30.0	0
Chicago Botanic Garden Lake	RHJA	16.8	0.9	0.9	0
Eagle Lake	UHH	3.8	0	1.0	0

Wetlands could potentially be constructed at one or more of the lakes where higher inflow rates are observed. The use of wetlands as structural controls was discussed in Section 3.3. For each of the lakes, hydric soils with potential for wetland construction are shown, along with existing wetlands, to indicate potential areas where wetlands may be installed for each lake's subbasin in **Figures 3-9** through **3-11**. Areas near waterways not currently classified as wetlands, but which 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 nutrient uptake capacity. These data layers are developed on a large-scale and onsite soil investigation and wetland delineation is typically necessary for verification of the suitability of a given area for wetland construction.

Shoreline stabilization/erosion control techniques could be used along the shoreline in select areas of each lake to deflect energy from water movement and minimize erosion. Techniques include engineered structures such as buried revetments, seawalls, and rip rap zones. The selected structures should be placed where higher inflow rates are observed and/or where erosion caused by wave action and other factors is observed.

- Buried revetments: These are passive, sloped, engineering structures designed to deflect energy associated with water movement and reduce erosion. The revetments are populated with native vegetation which can also reduce the transport of sediment associated pollutants via the control of shoreline soil erosion resulting from stormwater runoff.

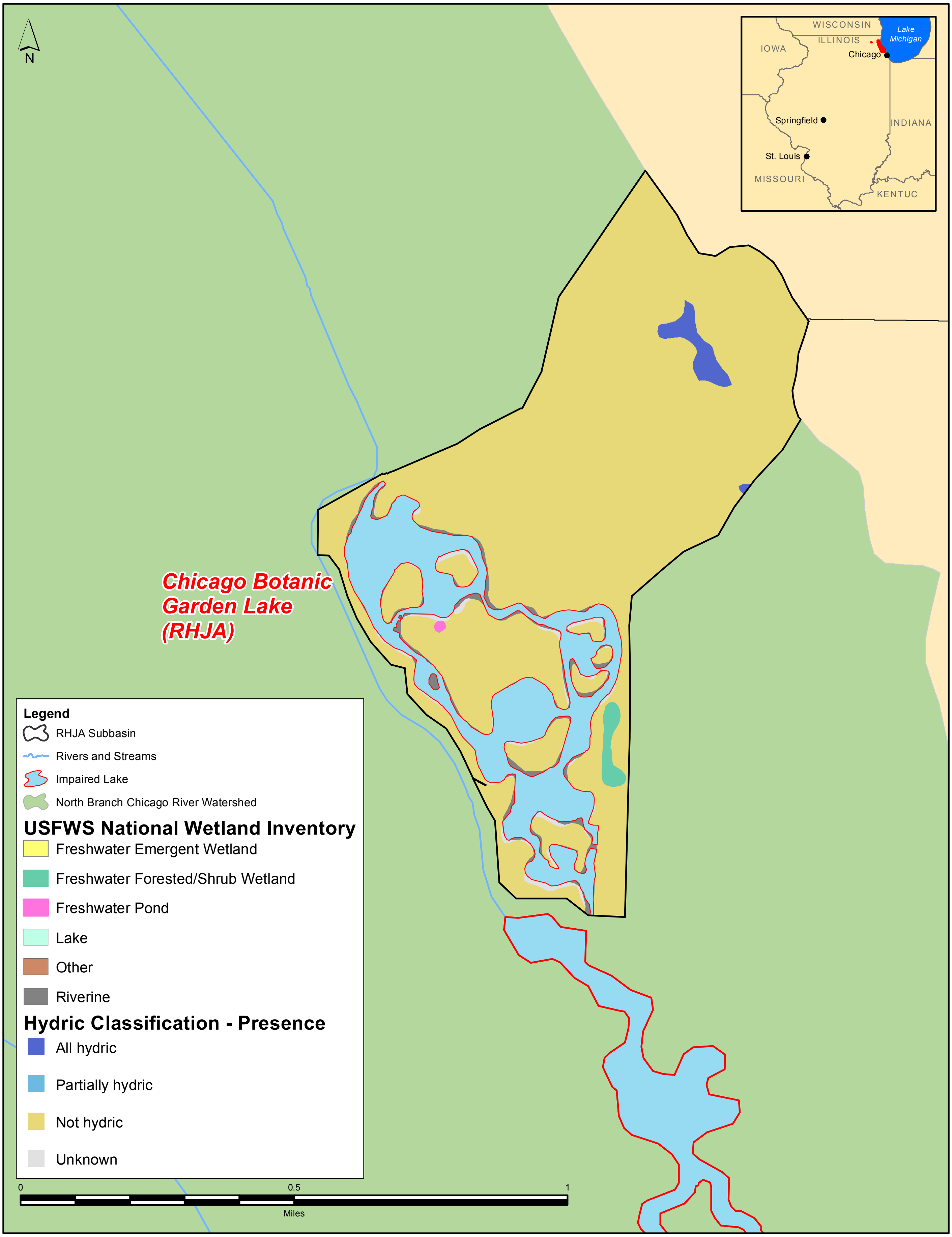
The extent of bank erosion surrounding each lake is unknown. Further investigation is recommended to determine the extent that erosion control measures could help manage TSS loads in the waterbodies.



North Branch Chicago River Watershed
Skokie Lagoons (RHJ) Subbasin
Existing Wetlands and Hydric Soils

CDM Smith

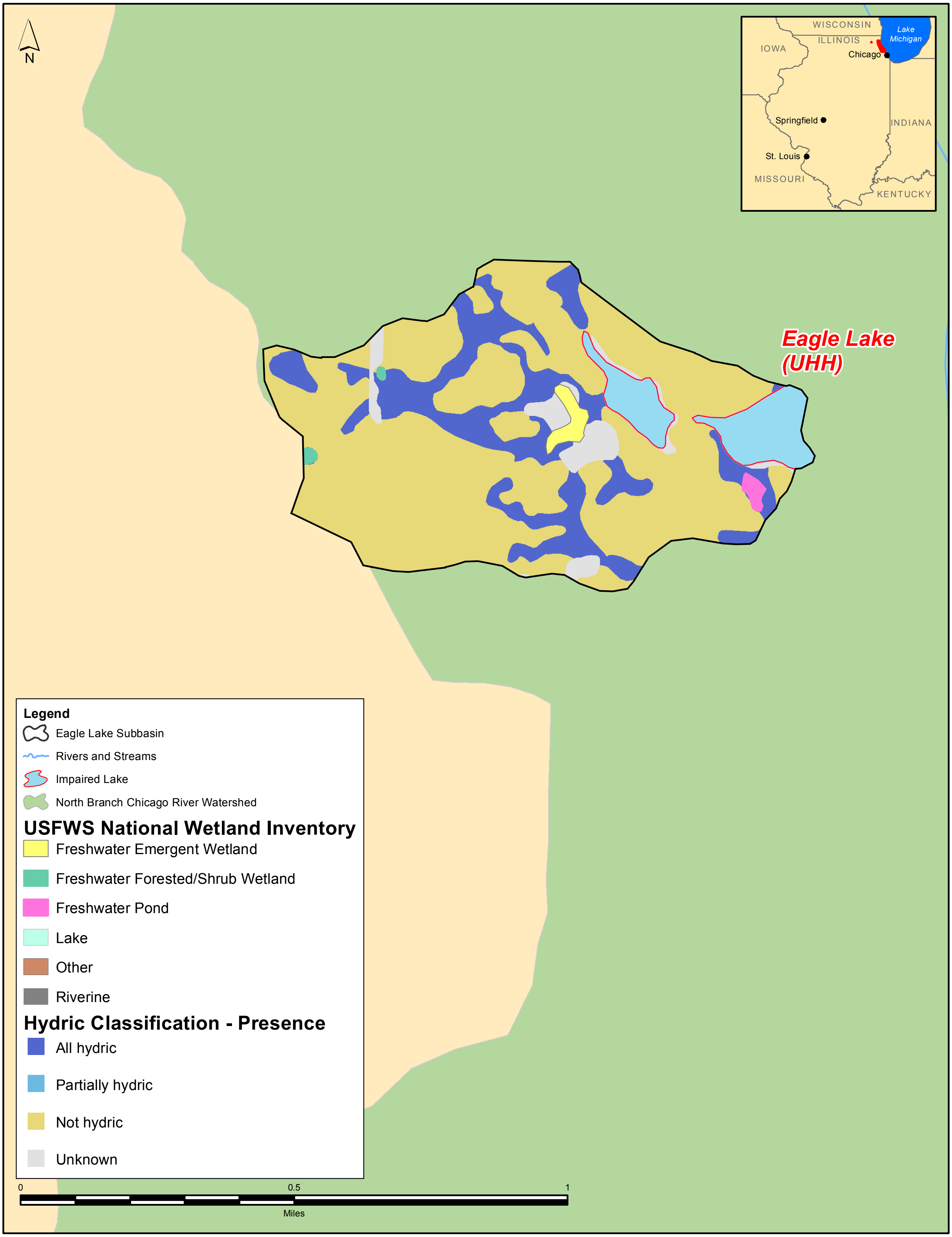
FIGURE 3-9



North Branch Chicago River Watershed
Chicago Botanic Garden Lake (RHJA) Subbasin
Existing Wetlands and Hydric Soils

CDM Smith

FIGURE 3-10



North Branch Chicago River Watershed
Eagle Lake (UHH) Subbasin
Existing Wetlands and Hydric Soils

CDM Smith

FIGURE 3-11

3.5 BMP Recommendations for Total Phosphorus in Lakes and Reservoirs

Eagle Lake (UHH), Skokie Lagoons (RHJ), and the Chicago Botanic Garden Lake (RHJA) have reported exceedances of the 0.05 mg/L water quality standard for total phosphorus in lakes and are therefore listed for impairment by total phosphorus. Phosphorus is a nutrient critical to healthy ecosystems at low concentrations; however, over enrichment 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. Oxygen levels must be considered when evaluating BMPs for phosphorus because phosphorus is released from sediment at higher rates under anoxic conditions; increased water temperature and photosynthesis decrease DO levels and create anoxic conditions.

Inputs of phosphorus originate from both point and nonpoint sources. Most of the phosphorus discharged by point sources is soluble. Phosphorus from point sources also typically has a continuous impact and is human in origin; for example, effluents from municipal sewage treatment plants and permitted industrial discharges. 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. Sedimentation can impact the physical attributes of the stream and act as a transport mechanism for phosphorus.

Internal cycling of phosphorus from lake sediments is also a significant contributor to impairments in each of these lakes. Low DO near the lake bottom during periods of thermal stratification, if present, is generally addressed by focusing on organic loads that consume oxygen through decomposition as well as nutrient loads that can cause algal growth, which can also deplete DO. Sufficient reductions in nutrient loads are expected to alleviate DO issues.

Phosphorus loads in all three lakes originates from internal and external sources. Possible external sources of total phosphorus include municipal point sources, lawn and garden activity, run off and littoral/shore area modifications. To achieve a reduction of total phosphorus for the lakes, management measures must address internal loading and loading associated with urban runoff.

3.5.1 Point Sources of Phosphorus

While point source loads of phosphorus can be a significant issue in some watersheds, no individually permitted facilities currently discharge within the Eagle Lake (UHH), Skokie Lagoons (RHJ), or Chicago Botanic Garden Lake (RHJA) watersheds. MS4 permitted areas do exist in each lake's subbasin, however, these are discussed along with non-MS4 stormwater and urban runoff in the following section.

3.5.2 Nonpoint Sources of Phosphorus

In addition to MS4 and non-MS4 urban stormwater, runoff from undeveloped and park lands are potential nonpoint sources of phosphorus pollution to the impacted lakes in the watershed. BMPs that could be used for treatment of these sources are similar to those discussed in Section 3.3, with the addition of in-lake management measures and phosphorus-based lawn fertilizer restrictions. Applicable BMPs are also discussed in Chapter 4 of the *2008 North Branch Chicago River Watershed-Based Plan.* BMPs evaluated that could be utilized to treat phosphorus sources include:

- Filter strips
- Urban Reforestation/Riparian Buffer Restoration
- Wetlands
- Stormwater Retention Basins (dry and wet ponds)
- Vegetated Swales
- Permeable Pavement
- Sand Filters
- Compost Blankets, Filter Berms, and Filter Socks
- Stormwater Reduction Techniques
- Bio-Retention Cells
- Streambank Stabilization and Erosion Control
- Street Sweeping
- Phosphorus-based lawn fertilizer restrictions

Most of these BMPs are described in previous sections; however, additional details more specific to lakes are provided below.

Wetlands, stormwater retention basins, sand filtration basins, and bio-retention cells could be constructed at the upstream end of select lakes or at a location of more concentrated inflow to the selected lake. The use of these structural controls was generally discussed in Section 3.3 and lake specific areas in Section 3.4. Filter strips; riparian buffers; vegetated swales; and stormwater reduction techniques may also be employed in select areas to help control overland flow and the associated transport of sediment and pollutants. Potential filter strip and riparian buffer areas for phosphorus control are the same as those for sediment/TSS control as discussed in Section 3.4.

In-Lake Phosphorus Loading: Modeling described in Section 2 determined that internal loading of phosphorus is likely a significant contributor to overall watershed loads. A reduction of phosphorus from in-lake cycling through in-lake management strategies is necessary for attainment of the TMDL load allocations. Internal phosphorus loading can occur when the water above the sediments become anoxic, causing the release of phosphorus from the sediment in a form which is available for plant uptake. The addition of bioavailable phosphorus in the water column stimulates more plant growth and die-off, which may perpetuate or create anoxic conditions and enhance the subsequent release of phosphorus into the water. Internal phosphorus loading can also occur in shallow lakes through release from sediments by the physical mixing and reintroduction of sediments into the water column as a result of wave action, winds, boating activity, and other means.

For lakes experiencing high rates of phosphorus input from bottom sediments, several management measures are available to control internal loading. Three BMP options for the control of internal loading include the installation of an aerator, the addition of aluminum, and dredging.

- Hypolimnetic (bottom water) aeration involves an aerator air-release that can be positioned at a selected depth or at multiple depths to increase oxygen transfer efficiencies in the water column and reduce internal loading by establishing aerobic conditions at the sediment-water interface. Installation of an aeration device will also directly contribute to the alleviation of potential DO issues in lakes (Clean-Flo 2016).

- Phosphorus inactivation by aluminum addition (specifically aluminum sulfate or alum) to lakes is the most widely-used technique to control internal phosphorus loading. Alum forms a polymer that binds phosphorus and organic matter. The aluminum hydroxide-phosphate complex (commonly called alum floc) is insoluble and settles to the bottom, carrying suspended and colloidal particles with it. Once on the sediment surface, alum floc inhibits phosphate diffusion from the sediment to the water (Cooke et al. 1993).

- Phosphorus release from the sediment is greatest from recently deposited layers. Dredging approximately one meter of recently deposited phosphorus–rich sediment can remove approximately 80 to 90 percent of the internally loaded phosphorus without the addition of potentially toxic compounds to the reservoir. Dredging may also contribute to reductions in internal phosphorus loading by increasing the depth of large portions of the waterbody, reducing the degree of reintroduction of sediments into the water column through physical mixing. However, dredging is more costly than other management options (NRCS 2005).

Phosphorus-Based Lawn 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 waterbody, phosphorus present in stormwater runoff will enter the waterbody. Illinois has a statute in place which governs the use of phosphorus-based fertilizers in urban areas: Lawn Care Products Application and Notice Act (415 ILCS 65). This act includes the following prohibitions for phosphorus-based fertilizers (see 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 waterbody 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.

In addition to enforcement of the above rules, BMPs should include education about the statute, and public outreach to increase awareness and compliance.

3.6 BMP Recommendations for Reducing Total Phosphorus and Increasing DO in Streams

Within the North Branch Chicago River watershed, the North Branch (HCC-07), West Fork (HCCB-05), Middle Fork (HCCC-02 & HCCC-04), and Skokie River (HCCD-01 & HCCD-09) were all listed for impairment caused by total phosphorus. TMDLs have not been developed for total phosphorus in streams within the North Branch Chicago River watershed due to a lack of numeric water quality standards for these parameters. However, given the interrelated nature of nutrients and low dissolved oxygen, a discussion of possible implementation strategies to reduce loads of these constituents to impaired waters is provided below. This discussion is intended to provide guidance (with no regulatory requirements) for voluntary nonpoint source reduction efforts by implementing stormwater BMPs, point source reductions for phosphorus in streams are not explicitly addressed in this study.

The North Branch Chicago River (HCC-07), the West Fork (HCCB-05), the Middle Fork (HCCC-02 and HCCC-04), and the Skokie River (HCCD-01 and HCCD-09) are also all listed for impairment by low DO. DO impairments are generally addressed by focusing on organic loads that consume oxygen through decomposition and nutrient loads that can cause algal growth, which can also deplete DO. Implementation actions initiated in North Branch Chicago River watershed for total phosphorus load reduction are directly applicable to DO issues, as well. Significant reductions in nutrient loads to these stream segments are expected to have positive impacts on instream DO levels; however, modeling has shown that reduction of oxygen-demanding material loads will not be sufficient to allow for full attainment of the DO standards in any of these waterways. Additional site-specific assessment of stream morphology and flow regimes will be necessary to develop reconfiguration alternatives that will allow for attainment of the DO standards in the impaired waterbodies.

The Middle Fork segment HCCC-04 is also listed for impairment caused by high water temperatures. As discussed in Section 2.3.5, additional analyses have been unable to confirm the temperature impairment in this reach and this impairment has been recommended for delisting. BMPs for high temperature are not specifically included in this plan; however, BMPs recommended throughout this section, such as riparian buffer restoration, can improve and stabilize stream temperature regimes through increased shading.

3.6.1 Point Sources of Phosphorus and Oxygen-Demanding Materials

Point sources discharging to impaired streams within the North Branch Chicago River watershed include municipal sewage treatment facilities and CSOs. **Table 1-6** contains permit information on the treatment facilities, as well as model input parameters used in the QUAL2K modeling discussed in Section 2 of this report. As discussed in Section 1.5.2.4, two municipal treatment facilities discharge to, or upstream of, segments HCCB-05, HCCC-04 and HCCD-09, and HCC-07. Neither facility is currently subject to effluent limits for total phosphorus; however, both dischargers are required to monitor for this parameter. The two existing POTW facilities, as well as the existing CSOs in the watershed, also discharge oxygen-demanding materials, as measured by BOD. The facilities discharge to tributaries of the impaired segments, or in some cases, directly to the impaired stream segments.

Percent reduction needs in SOD are discussed in Section 2.3.3 and shown in **Table 2-31**.

Illinois EPA will evaluate the need for point source controls through the NPDES permitting program as each facility's permit is due for renewal. The existing permit limits were developed to be adequately protective of aquatic life uses within the impaired segments; however, permit limits are recalculated for each permit during the regular renewal process (typically every 5 years) and may be adjusted to reflect changing regulatory or environmental conditions. The NPDES permitted facilities' DMRs should continue to be monitored and any violations of the effluent limits at the permitted facilities may prompt further regulatory action.

MS4 permitted areas do exist in each stream's subbasin, however, these are discussed along with non-MS4 stormwater and urban runoff in the following section.

3.6.2 Stormwater Sources (both point and nonpoint) of Phosphorus and Oxygen-Demanding Materials

Potential stormwater-related inputs of nutrients to the impacted streams in the watershed include MS4 and non-MS4 urban runoff, and runoff from undeveloped and park lands. In addition, inputs are often caused by nutrient applications in urban settings, such as fertilizer inputs on lawns, golf courses, and other intensively used and maintained landscapes. Nutrients adsorb to soils and enters waterways with runoff and erosion, resulting in excessive growth of algae and other aquatic plants, which impairs aesthetics, water quality, and recreational potential.

BMPs that could be used for treatment of these nonpoint sources are similar to those discussed in Section 3.3, with the addition of phosphorus-based lawn fertilizer restrictions, as discussed in Section 3.5.2. BMPs evaluated that could be utilized to treat nonpoint phosphorus sources therefore include:

- Filter strips
- Urban Reforestation/Riparian Buffer Restoration
- Wetlands
- Stormwater Retention Basins (dry and wet ponds)
- Vegetated Swales

- Permeable Pavement
- Sand Filters
- Compost Blankets, Filter Berms, and Filter Socks
- Stormwater Reduction Techniques
- Bio-Retention Cells
- Streambank Stabilization and Erosion Control
- Street Sweeping
- Phosphorus-based lawn fertilizer restrictions

Most of these BMPs are described in previous sections; however, additional details more specific to streams are provided below.

Filter Strips: As discussed in Section 3.3, filter strips can be used as a control to reduce a variety of pollutant loads from runoff, including phosphorus and oxygen-demanding materials. The calculations associated with development of filter strip areas for TSS and sediment control described in Section 3.3 are directly applicable to total phosphorus loads as well. See **Table 3-2** and **Figures 3-1** through **3-4** for areas which can potentially be converted to filter strips.

Riparian Buffers: As discussed in Section 3.3, riparian buffers can be used as a control to reduce a variety of pollutant loads from runoff, including phosphorus and oxygen-demanding materials. The vegetation also serves to reinforce streambank soils, which helps minimize erosion, and the shade provided will reduce solar radiation loading to the stream and will reduce peak temperatures seasonally, as well as limit algal growth, thereby mitigating low dissolved oxygen levels. The calculations associated with development of riparian buffer areas for TSS and sediment control described in Section 3.3 are directly applicable to total phosphorus loads as well. See **Table 3-3** for areas which can potentially be converted to riparian buffers.

Wetlands: The use of wetlands as a structural control was discussed for TSS and sedimentation/siltation for both streams and lakes. Wetlands are also applicable to nutrient reduction from urban lands because they facilitate plant nutrient uptake, thereby filtering water of pollutants (NRCS 2014). A wetland could be constructed anywhere unban space allows. Existing wetlands may need to be rehabilitated.

Stormwater Retention Basins: As discussed in Section 3.3, these control basins and ponds ("dry" or "wet") may be used for flood control and treatment of stormwater. Both systems function to settle suspended sediments and other solids typically present in stormwater runoff. In retaining sediment within the basin, nutrients and trace metals can be removed from overland flow/stormwater runoff before it enters the streams.

Vegetated swales, permeable pavement, sand filters, stormwater reduction techniques, bio-retention cells, streambank stabilization measures, and street sweeping will reduce the amount of phosphorus impacted soils and oxygen-demanding materials entering the streams. A reduction in nutrient loads will decrease the biological productivity and, along with the decreased inputs of oxygen-demanding materials, will lead to a reduction in the levels of SOD present in the stream. Instream management measures for DO focus on reaeration techniques such as rock riffles. Phosphorus-based lawn fertilizer restrictions are the same as described in Section 3.5.2.

3.7 BMP Recommendations for Reducing Fecal Coliform in Streams

The TMDL analysis performed for fecal coliform bacteria in the North Branch Chicago River (HCC-07), the West Fork (HCCB-05), the Middle Fork (HCCC-02 and HCCC-04), and the Skokie River (HCCD-01 and HCCD-09) show that exceedances have been reported over the full range of flow conditions. Elevated fecal coliform concentrations reported during higher flow conditions are likely a result of stormwater runoff and re-suspension of instream fecal material. Elevated fecal coliform concentrations occurring under low flow conditions are likely a result of point source contributions, illicit sewer connections, and/or groundwater inputs.

3.7.1 NPDES Permitted Point Sources of Fecal Coliform

Section 2.3.1.4 discusses NPDES permitted sources for fecal coliform. These sources consist of two POTWs (Village of Deerfield and North Shore Sanitary District), three CSOs (Chicago CSO, Golf CSO, and Village of Niles CSO), and one industrial discharger (Abbott Labs Pharmaceutical Research). The facilities are located both on tributaries of the impaired segments and, in some cases, directly discharge effluent to the impaired stream segments.

WLAs for fecal coliform were calculated for each facility as described in Section 2.3.1.4 and are shown in **Table 2-4**. It should be noted that the existing CSOs in the watershed are part of MWRD's long-term TARP developed in 1972 as a multi-phase project to eliminate discharges from 375 square miles of Chicago and 51 suburbs' CSOs. Once completed, the project will result in the removal of these CSOs and reduce fecal coliform loads entering the impaired waters under high runoff conditions. TARP consists of four distinct tunnel and reservoir systems that collect and store runoff during storm events. After a storm event, pumping stations send water from the tunnel systems to existing water reclamation plants at a controlled flow rate to match available treatment capacity. After dewatering, the tunnel and reservoir capacity is available for the next storm event. The total system consists of 109.4 miles of deep, large diameter, rock tunnels providing 2.3 billion gallons (BG) of volume to capture CSOs that previously discharged at hundreds of outfall locations. Additional reservoir capacity is being added as part of Phase II of TARP. More information on TARP project and its current status can be found at the following link: http://www.mwrd.org/irj/portal/anonymous/tarp.

A number of municipalities and townships within the North Branch Chicago River watershed have MS4s. WLAs for the MS4 dischargers were calculated based on municipality boundaries, available information obtained from the MWRD, and the proportion of total MS4 area to total watershed area as discussed in Section 2.3.1.4. The total MS4 load allocations for fecal coliform applied to the proportion of each municipality within each impaired reach's subbasin are shown for each applicable flow category in **Tables 2-5** through **2-10.**

Municipalities covered by MS4s regularly review their stormwater plans to ensure that effective BMPs are being used within their systems. Additionally, municipalities should perform assessment and monitoring to find, fix, and prevent illicit discharges. Illicit discharges may be defined as a storm drain that has measurable flow during dry weather containing pollutants and/or pathogens. A storm drain with measurable flow but containing no pollutants is simply considered a discharge. Illicit discharges are frequently caused when the sewage disposal system interacts with the storm drain system. Each illicit discharge has a unique frequency, composition, and mode of entry in the storm drain system. Illicit discharges of other pollutants are produced from specific source areas and operations known as "generating sites." Knowledge about these generating sites can be helpful to locate and prevent non-sewage illicit discharges. Depending on the regulatory status of specific "generating sites," education, enforcement and other pollution prevention techniques can be used to manage this class of illicit discharges.

The highest priority in most illicit discharge monitoring programs is to find any continuous and intermittent sewage discharges to the storm drain system. A variety of monitoring techniques can be used to find the problem areas and then trace the problems back up the stream or pipe to identify the ultimate generating site or connection. Monitoring can sometimes pick up other types of illicit discharge that occur on a continuous or intermittent basis (e.g., wash water and liquid wastes). Monitoring techniques which can be used to find, fix, and prevent illicit discharges include:

- Outfall reconnaissance inventory, including documenting outfall locations and GPS coordinates, as well as investigating them for dry weather flow.
- Indicator monitoring at stormwater outfalls and in-stream. This would include collecting samples for fecal coliform analysis.
- Tracking discharges to their source. If detected, the fecal samples can be sourced to find out if it's animal or human. If it's human the pipes/conveyances can be tracked back to find a cross-connection and eliminate it.

Once sewage discharges or other connections are discovered, they can be fixed, repaired or eliminated through several different mechanisms. Communities should establish targeted education programs along with legal authority to promote timely corrections. A combination of rewards and penalties should be available to deal with the diversity of potential dischargers.

Transitory discharges from generating sites can be minimized through pollution prevention practices and well-executed spill management and response plans. These plans should be frequently practiced by local emergency response agencies and/or trained workers at generating sites.

3.7.2 Nonpoint Sources of Fecal Coliform

Several management options have been identified to help reduce fecal coliform counts in the North Branch Chicago River watershed. These management options focus on the most likely sources of fecal coliform within the basin, such as wildlife, domestic pets, and overland stormwater runoff. Other nonpoint sources for fecal coliform can include septic systems. The applicability of this to the North Branch Chicago River watershed is unclear because the existence and prevalence of septic systems within the watershed is not known. While the entirety of the watershed is currently within the service area of a municipal sewer system, functional or abandoned septic systems potentially still exist within the watershed. BMPs for fecal coliform include the following; many of these were originally discussed in Section 3.3.

Sand filtration basins, stormwater retention ponds, and bio-retention cells could be constructed near discharge areas to streams. Filter strips and riparian buffers may also be employed in select areas to help control overland flow and the associated transport of sediment and pollutants. Potential filter strip areas for fecal coliform control are the same as those for sediment/TSS control as discussed in Section 3.3 (**Table 3-2**). Similarly, potential riparian buffer areas for fecal coliform control are the same as those for sediment/TSS control as discussed in Section 3.3 (**Table 3-3** and figures).

Domestic pet waste: According to the Northeastern Illinois Planning Commission (NIPC), approximately 1.5 million people resided in the North Branch Chicago River watershed in 2000 (Section 2.5 of the Stage 1 report). The average of two NPIC scenarios projected a 15 percent population increase in municipalities within the Cook County portion of the watershed by 2020, and 48 percent increase in the Lake County portion. Information on the number of people with pets is not available; however, there are still likely several thousand domestic pets within the watershed.

Education of pet owners on the potential impacts of pet waste to streams and lakes should occur periodically. Public meetings; mass mailings; and radio, newspaper, and TV announcements can all be used to remind and inform owners of their responsibility to pick up after their pets.

Septic System Maintenance: Failing or leaking septic systems can be a significant source of fecal coliform pollution. A program that actively manages functioning systems and addresses non-functioning systems could be implemented to reduce the potential bacteria loads from septic systems in the watershed. The USEPA has developed guidance for managing septic systems, which includes assessing the functionality of systems, public health, and environmental risks (USEPA 2005). It also introduces procedures for selecting and implementing a management plan.

It is unclear to what extent businesses, residences, and other structures in the various townships are served by septic vs. municipal sewer systems; however, as noted above, the entirety of the watershed is currently within the service area of a municipal sewer system. If functional or abandoned septic systems still exist within the watershed, these are expected to be limited in number.

The degree of nutrient removal in any existing systems is limited by soils and system upkeep and maintenance. To reduce the discharge of excessive amounts of contaminants from a faulty septic system, a scheduled maintenance plan that includes regular pumping and maintenance of the septic system should be followed. The majority of failures originate from excessive suspended solids, nutrients, and BOD loading to the septic system. Reduction of solids entering the tank can be achieved by limiting the use of garbage disposals.

Septic system management practices can extend the life, and maintain the efficiency, of a septic system. Water conservation practices, such as limiting daily water use or using low flow toilets and faucets, are the most effective methods to maintain a properly functioning septic system. Additionally, septic systems should not be used for the disposal of solids, such as cigarette butts, cat litter, cotton swabs, coffee grounds, disposable diapers, etc. Physical damage to the drain field can be prevented by:

- Maintaining a vegetative cover over the drain field to prevent erosion
- Avoiding construction over the system
- Protecting the area down slope of the system from excavation
- Landscape the area to divert surface flow away from the drain field

The cost of each management measure is highly variable and site-specific data on septic systems and management practices do not exist for the watershed; therefore, homeowners with septic systems should contact their county health department for septic system management costs.

Current protocols for addressing failing septic systems should adhere to the Illinois Private Sewage Disposal Licensing Act and Code "to prevent the transmission of disease organisms, environmental contamination and nuisances resulting from improper handling, storage, transportation and disposal from private sewage disposal systems". Any new, replaced, or renovated system must be installed by a licensed contractor or the homeowner and permitted through the county health department. The department must receive both an application for permit and the appropriate fee from the contractor/homeowner. Once reviewed and approved, a permit is issued and an inspection of the system is conducted during and after construction. The county health department also investigates private sewage disposal system complaints.

A long-range solution to failing septic systems is connection to a municipal sanitary sewer system. Connection to a sanitary sewer line would reduce existing phosphorus sources by replacing failing septic systems with municipal treatment and will allow communities to develop without further contribution of pollutants to impaired waterbodies. Costs for the installation are generally paid over a period of several years (average of 20 years) and help to avoid forcing homeowners to shoulder the entire initial cost of installing a new septic system. In addition, costs are sometimes shared between the community and the utility responsible for treating the wastewater generated from replacing the septic tanks. The planning process is involved and requires participation from townships, cities, counties, businesses, and citizens.

3.8 BMP Recommendations for Reducing Chloride in Streams

Chloride is a conservative ion, does not degrade, and has the potential to accumulate within waterbodies over time. Chloride is toxic to aquatic organisms at high concentrations and, even at lower concentrations, chloride may impact biological community structure, diversity, and productivity. Chloride salts can also affect soil stability and permeability and increase the potential for erosion. Within the North Branch Chicago River watershed the North Branch (HCC-07), West Fork (HCCB-05), Middle Fork (HCCC-02 & HCCC-04), and Skokie River (HCCD-01 & HCCD-09) segments were all listed for impairment of the aquatic life use due to water quality standard exceedances. Reductions of chloride loads needed to meet the TMDL for the impaired segments are discussed in Section 2.3.2.

3.8.1 Point Sources of Chloride

There are six NPDES permitted point sources present within the North Branch Chicago River watershed, and these facilities are located both on tributaries of the impaired segments and, in some cases, they directly discharge effluent to the impaired stream segments. Only one of the listed facilities, Abbott Laboratories (IL0066435), has discharge monitoring requirements for chloride. As a conservative measure, the WLA was calculated for this facility based on the instream standard of 500 mg/L of chloride (see Section 2.3.2.4 for additional detail).

Permitted CSO discharges currently exist along segment HCC-07 of the North Branch Chicago River. As discussed in Section 2.3.1.4, the WLAs for pollutants emanating from CSOs are set at zero in this TMDL. The allocation of zero is not intended to reflect an immediate requirement for zero discharge, but rather, reflect the ongoing implementation of TARP and continued compliance with the Long-Term CSO Control Plan and applicable NPDES permits, which will ultimately result in complete CSO abatement in this watershed. **Table 2-18** shows the WLAs for chloride in the North Branch Chicago River watershed.

Chloride WLAs for MS4 discharges were calculated as discussed Section 2.3.2.4. Total MS4 load allocations for chloride for municipalities within each impaired reach's subbasin are shown in **Tables 2-19** through **2-24.** Chloride loads from MS4 discharges can be controlled through the implementation of BMPs associated with nonpoint sources of chlorides, which are discussed in Section 3.8.2 below.

Continued and/or future monitoring of chloride concentrations in effluent from each of the facilities within the watershed will help provide greater certainty on the relative impact of dischargers to the chloride concentrations in the impaired segments.

3.8.2 Nonpoint Sources of Chloride

Land use around the North Branch Chicago River watershed is predominantly urban. Sources of chloride associated with overland runoff (nonpoint and MS4) may therefore originate from road de-icing activities using chloride salts. While all of the BMPs listed for TSS and fecal coliform will also benefit the chloride impairment, particularly vegetated swales since they generally line roadways, the following BMPs are specific to chloride and will provide a basis for management of chloride salt application to roadways:

Public Education and Staff Training: Educating the public is generally the first step in any water quality improvement campaign. Increased awareness about the application of road salt and the effects of excessive loading to waterbodies can increase community support for chloride use reduction. Information about what homeowners and businesses can do to limit chloride salt application in addition to municipal leadership should be included. The following elements could be included in the public education program:

- Informative fact sheets for public distribution. Environmental group outreach lists can be useful and the information could be in a general, adaptive form.
- Presentation or fact sheets targeted to municipal government officials.
- Public access television.

- Newspaper articles or advertisements.
- Declaration of "Limited Salt Use Areas" to highlight water quality protection and increase awareness.

Staff training is critical to reduce the quantity of road salt used as operators responsible for salt handling and application can have the largest impact on overuse and product loss. Elements of a staff training program could include:

- Initial training for new employees, including on-the-job training from experienced personnel. Alternatively, programs are offered by the American Public Works Association and Northeastern Illinois Public Safety Training Academy.
- Routine annual refresher training for salt handling and application with operators highlighting the impacts of road salt on water quality, infrastructure, and associated costs to the public. Proper storage and handling and application equipment and techniques should be covered as well, including record keeping and a review of the salt quantities required for each situation.
- Required training for private snow removal contractors generally involved in parking lot and private road snow removal. This could be done through a licensing or permitting process.

Storage and Handling: Proper storage and handling of road salt limits loss of salt to the environment and provides cost savings. The Salt Institute has published a Salt Storage Handbook (Salt Institute 2015) with recommended practices and design criteria for storage facilities. Additionally, the Transportation Association of Canada has published detailed BMPs for salt storage (TAC 2013). The Illinois Department of Transportation already has standard designs which can be adopted by municipalities. Existing facilities should be evaluated for improvement and bulk handling practices reviewed. Areas on which to focus evaluation should include protection from environmental conditions like wind and rain, storage on an impervious pad, and controlled offsite drainage. Training on proper handling and equipment inspection practices should include:

- Salt should be handled as little as possible to avoid particle breakdown and loss of material.
- Spillage should be minimized and cleaned up as soon as practicable.

Application: Proper application of salt for snow and ice control is fundamental to obtaining the desired effect of public road safety while minimizing product loss to the environment. Several guidelines and recommendations have been published including the salt Spreading, Maintenance, Application Rates & Timing (SMART) Learning Guide BMPs by the Transportation Association of Canada (TAC 2005) and the Minnesota Local Road Research Board handbook for snowplow operators (LRRB 2012), which was written in conjunction with the Minnesota Department of Transportation.

Records should be kept of salt use for each route, during each storm, by each vehicle, and by each operator. The records should be examined regularly to confirm that the target salt application rates are being met. Plowing snow just prior to salt application is good practice and if side-cast snow accumulation interferes with continued plowing, it should be removed to an offsite disposal facility. There are two alternative application methods which could increase the effectiveness of traditional rock salt application during and after snow events described below.

- Use of a pre-wetting agent has been shown to reduce wasted salt during application, thereby requiring less material and chemicals (Fay et al. 2013). Pre-wetted salt is also more effective than dry salt, in a wider range of temperatures, in terms of de-icing capabilities, as well as adherence to the road surface. Pre-wetting can be done onboard spreader trucks or by pre-treating salt stockpiles before loading trucks.
- Anti-icing programs should strongly be considered in conjunction with deicing programs. This involves the application of deicing agents on roads prior to ice or snow events. Correct timing for application involves use of accurate weather forecasts or weather information systems. These systems may require purchase or equipment modification and employee training.

Alternative Products: Non-chloride deicing products are available for purchase and agencies have well documented their use. It is recommended that a long-term pilot study be done within the watershed to determine effectiveness for this application. Acetate deicers do not contain chloride, but can be relatively expensive. Organic deicers are also relatively expensive, but can be used in select areas, or in combination with other deicing liquids. More detailed information can be found in the Chloride Usage Education and Reduction Program Study (DRSCW 2007) by the DuPage River Salt Creek Workgroup.

3.9 Cost Estimates of BMPs

Cost/payment rate estimates for a number of suggested BMPs are provided in the following sections. For some BMPs, "average" costs are not available due to design considerations such as size, construction materials, and site-specific conditions. Information for Sections 3.9.1 through 3.9.3 was obtained from the 2016 Illinois EQIP "Payment Scenario Descriptions" document located at (http://www.nrcs.usda.gov/wps/portal/nrcs/main/il/programs/financial/eqip/).

3.9.1 Filter Strips and Riparian Buffers

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

Riparian buffers consisting of bare-root shrubs cost approximately $1.10 to $1.65 each while direct seeding of trees and/or shrubs costs approximately $741/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/acre. For cases where an herbaceous cover is preferable, such a native grass or certain species of forbs and/or shrubs, costs average $642/acre.

3.9.2 Wetlands

The price to establish a wetland is very site specific and depends on factors such as size and type of vegetation used. Examples of costs associated with constructed wetlands include excavation costs, vegetation removal, and revegetation costs. 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 which just needs to be enhanced or restored. In an area of natural depression fed by surface runoff, enhancement/restoration is approximately $2,557/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/acre. Constructed wetlands to reduce the pollution potential of runoff and wastewater average $7,725/acre where natural regeneration of wetland plants will be a major contributor to the working vegetation and $10,286/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.

3.9.3 Streambank Stabilization/Erosion Controls

Streambank stabilization and erosion control measures will vary greatly in cost and cover a variety of techniques. Costs may be as low as $37.55/cubic yard for full bank armor on the streambank, including earthwork, rip rap, in which loose stone is used for bank stability, and/or geotextile, which are permeable fabrics that help reinforce streambanks. Alternatively, costs may be as high as$52.50/linear foot for bank protection using peaked stone toes, which are stones placed to secure the lower portion of a streambank, stream barbs, which are rock sills projecting out from a streambank, meant to redirect flow away from an eroding bank, and/or bendway weirs, which are low level rock dikes that are angled upstream, altering the stream's secondary currents and controlling excessive channel deepening (NRCS 2016).

Alternatively, turf reinforcement mats (TRMs) may be used to reinforce vegetation and protect soil from erosion. TRMs are protective reinforced materials formed into a non-degradable mat, and may be appropriate where vegetation alone will not sustain long term erosion protection, and where other options may be limited due to landscape features such as mowing, which may be prominent in the North Branch Chicago River watershed (AISWCD 2013). Implementation of TRMs may cost approximately $0.60/square foot, or to $26,136/acre (NRCS 2016), and can be as little as one-third the cost of rip rap (Pack 2008). Prices vary greatly and are dependent upon the steepness of the slope that is being treated, and the vegetation and anchor types being used, which are dependent upon the expected velocities that the TRMs will be expected to withstand (Propex 2007).

Additionally, conservation cover may be implemented and may range in price from $583.66/acre to $1,243.89/acre. Conservation cover involves the establishment of permanent vegetation cover, and costs are dependent on the type of vegetation, whether or not organic seed is used, and the ecosystem type into which the vegetation is being introduced (NRCS 2016).

3.9.4 Vegetated Swales

Vegetated swales vary in size and may include checks, depending upon the slope of the area in question. Costs range from $2,569/acre for a vegetated swale with a top width less than 35 feet and no checks, to $4,015/acre for a vegetated swale with a top width greater than 55 feet and with checks (NRCS 2016).

3.9.5 Green Roofs

Green roofs are relatively new technology in the United States and costs are estimated to average between $15/square foot to $20/square foot. These cost estimates are for all use types; i.e., high density residential, commercial, and industrial (Urban Design Tools 2016).

3.9.6 Bio-Retention Cells

Bio-retention cells, otherwise known as rain gardens, range in cost depending upon the permeability of the soil and the vegetation types used within the cell. Where highly permeable soils are present, costs range from $1.50 to $3.00/square foot. Where soils are less permeable, costs may range from $4.00 to $6.00/square foot (Penn State Extension 2016).

3.9.7 Septic System Maintenance

Septic tanks are designed to accumulate sludge in the bottom portion of the tank while allowing water to pass into the drain field. If the tank is not pumped out regularly, the sludge can accumulate and eventually become deep enough to allow for flow into the drain field. Pumping the tank every three to five years prolongs the life of the system by protecting the drain field from solid material that may cause clogs and system back-ups. In addition, septic systems should not be connected to field tile lines.

The cost to pump a typical septic tank ranges from $250 to $350 depending on how many gallons are pumped out and the disposal fee for the area. If a system is pumped once every three to five years, this expense averages out to less than $100 per year.

The cost of developing and maintaining a watershed-wide database of the onsite wastewater treatment systems in the North Branch Chicago River watershed depends on the number of systems that need to be inspected and the means by which the systems are inventoried. Education of home and business owners that use onsite wastewater treatment systems should occur periodically. Public meetings; mass mailings; and radio, newspaper, and TV announcements can all be used to remind and inform owners of their responsibility to maintain their systems. The costs associated with education and inspection programs will vary depending on the level of effort required to communicate the importance of proper maintenance and the number of systems in the area. It is unknown at this time how many septic systems are present within the watershed. As noted in Section 3.7.2, the entirety of the watershed is currently within the service area of a municipal sewer system. If functional or abandoned septic systems still exist within the watershed, these are expected to be limited in number.

3.10 Site-Specific BMPs

A few restoration and/or enhancement projects have previously been completed within the watershed. These projects are summarized below.

- Skokie Lagoons – Years after the lagoons were developed, silting issues and pollution from Lake County resulted in winter fish kills. Through the USEPA Clean Lake Program, a dredging project occurred from 1986 to 1988 and treated wastewater was rerouted around the lagoons. Starting in 1995, the Forest Preserve District initiated a shoreline stabilization project. CWA Section 319 grant projects included the following:

- 1993: Skokie River Restoration Project – Implementation of bank stabilization and restoration techniques resulted in mitigation of nonpoint source pollution to both the Skokie River (ILHCCD09) and downstream lagoons as well as enhancement of the aquatic habitat and uses of the Skokie River. Restoration measures included: prairie buffer plantings, creating oxbow excavations, restoring floodplain wetlands (1.1 acre), bank stabilization through brush layering with willows and dogwoods, placing bank toe protection and redirection thalweg measures through use of biologs made with prairie cord grass and emergent wetland plants, placing willow posts for protection of rip rap, outlet pipes, and weir walls, emplacement of in-stream habitat structures (riffles), and bank stabilization using 3-foot buffers along entire stream (9,550 feet). A multi-faceted educational program was also implemented as part of the project.

  The sub-grantee on the project was the Chicago Botanic Garden. Additional information for the project can be found in the following documents:

  - *Chicago Botanic Garden. 1996. Restoration of the Skokie River: Natural Techniques at Work. (videotape).*
  - *Chicago Botanic Garden. 1996. Skokie River Restoration Project. May.*
  - *Kirchner, R. 2005. The Chicago Botanic Garden's Lake Enhancement Program. LakeLine Magazine. North American Lake Management Society (pub).*

- 1994: Skokie Lagoons Shoreline Stabilization Project – This project implemented shoreline restoration aimed at vegetative stabilization along approximately 2.5 miles of shoreline. The restoration focused on areas where the most erosion had occurred because these were the most significant targets for addressing nonpoint source pollutants. Treatment of the shoreline extended beyond the water's edge and into the floodplain for a distance of approximately 200 feet. Where feasible, the vegetative cover was extended into the water for further stabilization. Restoration measures included coir fascines, coir and live brush mattresses, coir webbing, dead brush layers, sand and gravel stabilizers, gravel access points, rock toes, and temporary wood stakes.

- The sub-grantee on the project was the Forest Preserve District of Cook County. Additional information for the project can be found in the Skokie Lagoons Shoreline Stabilization Project – Final Report, dated October 1, 1997 and prepared by the Forest Preserve District of Cook County.

- Chicago Botanic Garden Lagoons – In the 1990s, the Botanic Garden undertook an ambitious Skokie River Corridor Enhancement Project. Shoreline restoration.

2000: Chicago Botanic Garden Lake Watershed Restoration Action Strategies Implementation – Under this project, BMPs were installed along 5,783 linear feet of shoreline on the Chicago Botanic Garden Lagoon to arrest shoreline erosion and reduce nonpoint source pollution while protecting or enhancing habitat and aesthetic qualities. Practices included sheet-pilings, stone walls, cobbles, fiber rolls, A-jacks, lunkers, native grasses and shrubs, erosion control blankets, live fascines, branch-packing, and vegetated geogrids. The project also included an education component including meetings, tours, and construction of a webpage about the project and the shoreline restoration techniques. Additional information can be found in the Chicago Botanic Garden Lakes Watershed Restoration Action Strategy Implementation – Final Report, dated August 2006 and prepared by the Chicago Horticultural Society – Botanic Garden (http://www.cbgscience.org/shoreline/index.htm)

The MWRD, with participation from the North Branch Chicago River Watershed Planning Council, developed the *Detailed Watershed Plan for the North Branch of the Chicago River and Lake Michigan Watershed: Volume 1* (MWRD 2011). As part of the plan, the MWRD evaluated and developed alternatives for potential stormwater improvements. The alternatives were evaluated with respect to their ability to reduce flooding, erosion, and other damages under existing conditions. Erosion control alternatives included natural stabilization (vegetated or bioengineered); vegetating by sodding, seeding, or planting; vegetated armoring (joint planting); vegetated cellular grids (erosion blankets); reinforced grass systems; live cribwalls; structural stabilization measures; interlocking concrete (such as A-jacks); rip rap emplacement; gabions; grade controls; and concrete channels. Flood control alternatives included stormwater retention basins (wet and dry), pumped detention measures, underground detention, bio-retention, culvert/bridge replacement, channel improvements, levees, floodwalls, elevating structures, and dry and wet floodproofing. Water quality controls included both flood and erosion controls. While this plan is not explicitly designed to address water quality issues, the primary focus on flood control and reducing erosion issues results in the development and implementation of a number of projects that will have ancillary benefits of reducing sediment loads and pollutant runoff into impaired waterways. The full text of this plan is available online at: https://www.mwrd.org/irj/go/km/docs/documents/MWRD/internet/protecting_the_environment/Stormwater_Management/htm/North_Branch_Chicago_River_Watershed/North_Branch_Chicago_River_DWP.htm.

The Lake County Stormwater Management Commission has also prepared the *North Branch Chicago River Watershed-Based Plan* (May 2008) to provide direction and target resources for better management and restoration of the watershed. The plan was set up to serve as a blueprint for improving water quality, reducing flood damage, and protecting natural resources in the North Branch Chicago River watershed and to provide an opportunity for multiple jurisdictions with varying priorities to coordinate their efforts and accept their responsibility for the impact their actions have both up and downstream. This plan describes a number of identified issues in various parts of the watershed and discusses BMPs for addressing the issues. This exercise resulted in hundreds of site-specific BMPs and general recommendations listed in Chapter 5 of the 2008 *North Branch Chicago River and Lake Michigan Watershed Plan*. Many of the proposed planning and monitoring actions have been implemented since the plan was published in 2008 and a local watershed group remains active in the area, the details of both are available online at: https://www.lakecountyil.gov/2433/North-Branch-Chicago-River-Watershed.

3.11 Information and Education

Public education and participation is a key factor for TMDL and watershed plan implementation. Increased public awareness can increase implementation of BMPs. Small incremental improvements and individual adoption of BMPs can be achieved at a much lower cost compared to the large-scale BMPs identified above. Beyond the education and outreach measures discussed in previous sections, additional efforts should focus on activities that support the watershed plan goals, including:

- Native landscaping
- Biological and water quality monitoring
- Lake and stream management
- Encouraging native landscaping, including buffers along lakeshores and streambanks
- Buffer strips
- Reducing the use of lawn chemicals (pesticides and phosphorus fertilizers)
- Water conservation
- Green infrastructure

Public meetings have been held within the watershed to present the final TMDL results and the implementation plan. Additional recommended activities to support public outreach and education include:

- Websites and social media to publicize meetings, upcoming events, and links to resources
- E-mail updates
- Brochures with information on household pollutant reduction, rain gardens, and fertilizer use
- Educational signs posted near waterways and in areas where public access to the waterways is available such as near boat houses and canoe launch areas to educate viewers on water quality issues, purpose of BMPs, and environmental stewardship.
- Public service announcements
- Actively engaging with non-profit organizations (e.g. Sierra Club, Openlands, Friends of the Chicago River) to further education and outreach activities in the watershed.

3.12 Project Funding

Cost-share programs at the state and federal level are available to municipalities, landowners, and homeowners in the watershed to help offset costs of implementing many of the BMPs recommended in this plan. Some of these programs are discussed below.

3.12.1 Available State-Level Programs for Nonpoint Sources

The following paragraphs describe a few state-level programs designed to encourage landowners to implement resource-conserving practices for water quality and erosion control purposes.

Municipalities should aim to incorporate the recommendations of this plan into their annual budgets and comprehensive improvement plans. In general, the majority of funds should come from local efforts; however, the Illinois EPA does offer grants to control nonpoint source pollution in the state. These grants are available to local governments, as well as to other organizations for the purpose of protecting water quality. Projects must address water quality issues relating directly to nonpoint source pollution, and funds can be used to develop, update, and implement watershed management plans. This includes the development of information and education programs, as well as the installation of BMPs.

3.12.1.1 The Conservation Fund

The Conservation Fund, an environmental non-profit, provides low-interest land conservation loans for a variety of conservation projects. Under this fund, land in the North Branch Chicago River watershed could be converted to green space, providing land for potential wetlands, filter strips, and riparian buffers, and thereby improving water quality (The Conservation Fund 2016).

3.12.1.2 Streambank Stabilization and Restoration Program

The Streambank Stabilization and Restoration Program (SSRP) was established to address problems associated with streambank erosion, such as loss or damage to valuable farmland, wildlife habitat, and roads; stream capacity reduction through sediment deposition; and degraded water quality, fish, and wildlife habitat. The primary goals of the SSRP are to develop and demonstrate vegetative, stone structure, and other low cost bio-engineering techniques for stabilizing streambanks and to encourage the adoption of low-cost streambank stabilization practices by making available financial incentives, technical assistance, and educational information to landowners with critically eroding streambanks. A cost share of 75 percent is available for approved project components such as willow post installation, bendway weirs, rock riffles, stream barbs/rock, vanes, lunker structures, gabion baskets, and stone toe protection techniques. There is no limit on the total program payment for cost-share projects that a landowner can receive in a fiscal year. However, maximum cost per foot of bank treated is used to cap the payment assistance on a per foot basis and maintain the program's objectives of funding low-cost techniques (Illinois Department of Agriculture [IDA] 2000). All project proposals must be sponsored and submitted by the local Soil and Water Conservation District (SWCD).

3.12.2 Available Federal-Level Programs for Nonpoint Sources

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. Federal-level programs are discussed in the following paragraphs. The USEPA manages the Clean Water Act Section 319 Grants. Voluntary conservation programs established through the 2014 U.S. Farm Bill, and managed by the NRCS, include the Agricultural Conservation Easement Program (ACEP) and the Environmental Quality Incentives Program (EQIP).

3.12.2.1 Clean Water Act Section 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 USEPA 319(b) grants upon the USEPA's approval of the state's Nonpoint Source Assessment Report and Nonpoint Source Management Program. States may reallocate funds through sub-awards (e.g., contracts, sub-grants) 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.

USEPA designates incremental funds, a $163-million award in 2016, for the restoration of impaired water through the development and implementation of watershed-based plans 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 which improve water quality, such as filter strips, streambank stabilization, etc. (USEPA 2003).

Illinois EPA receives federal funds through Section 319(h) of the CWA to help implement 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 non-watershed scale and the development of information/education nonpoint source pollution control programs.

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 two 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.

3.12.2.2 Wetland Program Development Grants

The USEPA provides wetland program development grants to assist state, tribal, and local government agencies, as well as interstate/intertribal entities, in building programs to protect, manage, and restore wetlands (USEPA 2016b).

3.12.2.3 Rivers, Trails, and Conservation Assistance

The National Park Service (NPS) provides financial assistance for the development of natural resource conservation programs, aimed at designing trails and parks, improving access to rivers, protecting special places, and creating recreation opportunities. Applicants may include state and local agencies, tribes, nonprofit organizations, or citizen groups (NPS 2016).

3.12.2.4 Great Lakes Restoration Initiative

The Great Lakes Restoration Initiative is a partnership program, involving the USEPA and the U.S. Fish and Wildlife Service, which assists in funding projects aimed at restoring the Great Lakes ecosystem. Focus areas of this program include toxic substances, invasive species, and nonpoint source pollution impacts on nearshore health. The North Branch Chicago River watershed discharges into Lake Michigan, and mitigation of impaired streams and lakes may qualify for funding from this program (USEPA 2016a). Within Illinois, projects have involved installing porous pavement to reduce overland flow, and planting trees to increase interception, facilitate infiltration, and reduce overland flow.

3.12.2.5 Agricultural Conservation Easement Program

ACEP provides financial and technical assistance to help conserve agricultural lands and wetlands and their related benefits. The ACEP has two components, Agricultural Land Easements and Wetland Reserve Easements. The Agricultural Land Easements component has limited applicability to the North Branch Chicago River since there are less than 1 percent agricultural lands within the watershed. This component is therefore not discussed further in this document. However, the Wetland Reserve Easements component may have applicability. 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.

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 2014 Farm Bill replaced the Wetland Reserve Enhancement Program with 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
  - Able to participate in the management or monitoring of selected project locations
  - Ability to use innovative restoration methods and practices

In 2016, NRCS made $15 million in financial and technical assistance available to help eligible conservation partners leverage local resources to voluntarily protect, restore, and enhance critical wetlands on private and tribal agricultural land nationwide. The funding is provided through the WREP, a special enrollment option under the Agricultural Conservation Easement Program. Proposals were due to the local NRCS offices by May 16, 2016; however, landowners should check with the NRCS to see about applying in future years. To enroll land eligible partners may submit proposals to the local NRCS office.

3.12.2.6 Environmental Quality Incentive Program

EQIP is a voluntary program that provides financial and technical assistance to eligible producers to plan and implement conservation practices that improve soil, water, plant, animal, air, and related natural resources on eligible land, including non-industrial private forestland. Conservation practices eligible for EQIP funding which are recommended BMPs for this watershed include BMPs such as filter strips, riparian buffers, vegetated swales (grass waterways), streambank/shoreline protection, and wetland restoration. More information regarding state and local EQIP implementation can be found at http://www.nrcs.usda.gov/wps/portal/nrcs/main/il/programs/financial/eqip/. One example in Illinois of the use of EQIP funds in an urbanized area includes a site near East Peoria, where EQIP funds were used prior to site development for the construction of two ponds to include spillway construction, seeding, and mulching (AISWCD 2002).

Under the EQIP program are Conservation Innovation Grants. These grants are anticipated to be available for use by the broader public to leverage federal investment, stimulate innovative approaches, and accelerate technology transfer. Any development proposal that could incorporate conservation BMPs could potentially be eligible under this program. Developers who need to meet local development requirements mandating groundwater protection, buffers and stormwater detention, could utilize this program to help offset implementation costs.

Through EQIP, the NRCS develops contracts with eligible producers to implement conservation practices to address environmental natural resource problems. Persons interested in entering into a cost-share agreement with the 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.

EQIP provides payments up to 75 percent of the incurred costs on eligible conservation practices and activities. Payments received by producers through EQIP contracts after February 7, 2014 may not exceed $450,000 for all EQIP contracts entered into during the period from 2014 to 2018. Payment limitations for organic production may not exceed an aggregate $20,000 per fiscal year or $80,000 during any 6-year period for installing conservation practices.

3.12.3 Local Program Contact Information

NRCS administers the ACEP and EQIP. Local contact information for counties containing some portion of the North Branch Chicago River watershed are listed in the **Table 3-6** below.

Table 3-6 Local SWCD and NRCS Contact Information

County	Address	Phone
Cook County	2358 Hassell Rd, Suite B Hoffman Estates, IL 60169	(630) 584-8240
Lake County	1648 S Eastwood Dr Woodstock, IL 60098	(815) 338-0099

3.13 Planning Level Cost Estimates for Implementation Measures

Cost estimates for different implementation measures are presented in **Table 3-7**. The column labeled "Program" or "Sponsor" lists the financial assistance program or sponsor available for various BMPs (as discussed in Section 3.12). Illinois EPA 319 Grants are applicable to all of the practices.

Table 3-7 Cost Estimates of Various BMP Measures

BMP	Units	Installation Cost	Program	Sponsor(s)
Filter strip (seeded)	per ac	$520 - $639, avg $594	EQIP	NRCS, IDA
Riparian buffer – bare-root shrubs	each	$1.10 - $1.65	EQIP	NRCS, IDA
– forested	per ac	$741		
– herbaceous cover	per ac	$642		
– land preparation	per ac	$38		
Bank stabilization	per ac	$27 - $52/ft	SSRP	IDA
– weirs/rock riffles	each	$2,448 - $6,305		
– stream barb/bendway weir with longitudinal peaked stone toe	per ft	$27.27 - $52.50		
– bank armor	per CY	$37.55		

BMP	Units	Installation Cost	Program	Sponsor(s)
Vegetated swales	per ac	$2,569 - $4,015	EQIP	IDA NRCS
– <35 ft top width	per ac	$2,569		
– <35 ft top width, with checks	per ac	$3,284		
– 35-55 ft top width	per ac	$2,709		
– 35-55 ft top width, with checks	per ac	$3,516		
– >55 ft top width	per ac	$3,253		
– >55 ft top width, with checks	per ac	$4,015		
Wetland – enhancement/restoration	per ac	$1,167 - $3,680	ACEP	NRCS
– constructed	per ac	$7,725 - $10,286		
Green roofs	per SF	$15 - $20		
Bio-retention cell – high permeability soils	per SF	$1.50 - $3.00		
– low permeability soils	per SF	$4.00 - $6.00		
Septic system maintenance	per event	$250 - $350	Private system owner	

ac = acre
ft = foot
CY = cubic yard
SF = square foot

3.14 Milestones and Monitoring

3.14.1 Interim Measurable Milestones and Schedule

Successful plan implementation relies on establishing and tracking milestones to measure progress. **Table 3-8** below identifies these milestones and a schedule for meeting each milestone. Stakeholders should evaluate milestone progress on an annual basis and implement adaptive management to modify management measures, milestones, and schedule as necessary.

Implementation of the management actions outlined in this section should 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.

The formation of an active and engaged watershed group leading up to the development of the 2008 watershed-based plan provided an important starting point for implementation actions in this watershed. The NBWC holds an annual meeting in November of each year to discuss progress made and issues encountered while working to meet the water quality objectives in the watershed. A smaller working group, the NBPC, meets on a quarterly basis to discuss, in greater detail, ongoing and future projects that address flood mitigation, stormwater management, and green infrastructure improvements in the watershed. Information on both of these groups and their associated annual and quarterly meetings, all of which are open to the public, can be found online at: https://www.lakecountyil.gov/2433/North-Branch-Chicago-River-Watershed.

Table 3-8 Implementation Milestones

Milestones	Description	Estimated Schedule
Funding	Develop grant applications	Short term: 2-5 years
Implement Short-term Projects	Identify and implement short-term pilot projects that can be completed (i.e. willing landowners and available funding)	Mid-term: 2-5 years
Monitoring	Implement monitoring plan	Continuous: 1-20 years
Annual Stakeholder meetings	Stakeholders will convene at once a year to gauge progress and discuss evolving needs and planned activities	Annually
Implement Larger Projects	Identify and implement larger projects. These projects are more likely to have multiple funding sources and stakeholders.	Mid- Term: 5-10 years
Education and outreach	Prepare and implement and education and outreach plan. Conduct at least two public meetings annually.	Immediate: 1-2 years

3.14.2 Monitoring Plan

The purpose of the monitoring plan for the North Branch Chicago River watershed is to assess the overall implementation of management actions outlined in this section. This can be accomplished by conducting the monitoring programs designed to:

- Track implementation of BMPs in the watershed
- Estimate effectiveness of BMPs
- Further monitor of point source discharges in the watershed
- Continued monitoring of impaired lakes, stream segments, and tributaries
- Monitor storm-based high flow events
- Low flow monitoring of total phosphorus, chloride, DO, TSS, and fecal coliform in impaired streams and lakes
- Dry weather monitoring of stormwater outfalls

Tracking the implementation of management measures can be used to:

- 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

Estimating the effectiveness of the BMPs implemented in the watershed could be completed by monitoring before and after the BMP is incorporated into the watershed. Additional monitoring could be conducted on specific structural systems such as a sediment control basin. Inflow and outflow measurements could be conducted 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. MWRD also has an ongoing monitoring program with regular sampling at a number of stations throughout their service area. Continuation of the various monitoring programs will assess lake and 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.

In addition to ongoing water quality monitoring programs, the *2008 North Branch Chicago River Watershed-Based Plan* includes a well thought out and detailed scorecard system to facilitate monitoring of plan implementation progress. This system clearly states the goals and objectives of the plan and provides a checklist and scoring system for implementation measures related to each of the milestones and goals laid out in the plan. Additional detail on the scorecard system and the scorecards themselves can be found in Chapter 6 of the *2008 North Branch Chicago River Watershed-Based Plan.* Similar monitoring plans that identify and account for parties who will perform monitoring, available budgets, implementation timelines, etc., should be included in future iterations of the Watershed-Based Plan.

3.14.3 Success Criteria

Measuring the plan's success depends largely on tracking the milestones outlined above. Implementing BMPs should equate to improved water quality and attainment of designated uses and water quality standards. Monitoring pollutant-load reductions will be the primary success criteria. Key components include:

- Securing funding for priority projects within 5 years
- Meeting milestones identified
- Meeting 25-50% of target reductions within 10 years
- Meeting 100% of target reductions within 20 years
- Utilizing adaptive management to ensure best practices
- Delisting of impaired waterbodies

Section 4

Public Participation

4.1 North Branch Chicago River Watershed Public Participation Summary

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

Illinois EPA, along with AECOM, held a Stage 1 public meeting for the North Branch Chicago River Watershed in Deerfield, Illinois on May 26, 2009.

An additional public meeting was held by Illinois EPA and CDM Smith to present the Stage 3 TMDL results and implementation plan on October 10, 2018 at the Highland Park Police Station Training Room in Highland Park, Illinois. A responsiveness summary addressing comments received through the Stage 3 public meeting and public notice process is included in **Appendix I** of this report.

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Section 5

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Appendix A

Stage 1 Report

Prepared for:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Upper North Branch Chicago River Watershed TMDL Stage 1 Report

AECOM, Inc
November 2009
Document No.: 10042-003-801

AECOM

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List of Acronyms

BOD	Biological Oxygen Demand
BPJ	Best Professional Judgment
CFR	Code of Federal Regulations
CSO	Combined Sewer Overflow
CV	Coefficient of Variation
CWA	Clean Water Act
DAF	Design Average Flow
DDT	Dichlorodiphenyltrichloroethane
DEM	Digital Elevation Model
DMF	Design Maximum Flow
DO	Dissolved Oxygen
ECHO	Enforcement Compliance History Online (EPA)
ENSR	ENSR Corporation, now AECOM
EPA	Environmental Protection Agency
fIBI	Fish Index of Biotic Integrity
GAP	Gap Analysis Program
GIS	Graphical Information Systems
IDA	Illinois Department of Agriculture
IDNR	Illinois Department of Natural Resources
IILCP	Illinois Interagency Landscape Classification Project
INHS	Illinois Natural History Survey
IPCB	Illinois Pollution Control Board
JAWA	Joint Action Water Agency
LA	Load Allocation
LRM	Lake Response Model
LTA	Long-Term Average
MBI	Macroinvertebrate Biotic Index
MDL	Maximum Daily Limit
MF	Middle Fork
mIBI	Macroinvertebrate Index of Biotic Integrity
MOS	Margin of Safety
MWRDGC	Metropolitan Water Reclamation District of Greater Chicago
NASS	United States Department of Agriculture National Agricultural Statistics Service
NB	North Branch
NIPC	Northeastern Illinois Planning Commission
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
PWS	Public Water System
QUAL2K	EPA Stream Water Quality Model
SMC	Lake County Stormwater Management Commission
SSO	Storm Sewer Overflow
SSURGO	Soil Survey Geographic
STORET	Storage and Retrieval
STP	Sewage Treatment Plant
TARP	Chicago Tunnel and Reservoir Plan
TM	Thematic Mapper
TMDL	Total Maximum Daily Load

TSS	Total Suspended Solids
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Society
USLE	Universal Soil Loss Equation
WF	West Fork
WLA	Waste Load Allocation
WMB	Watershed Management Board
WQS	Water Quality Standards
WRAS	Watershed Restoration Action Strategies
WRF	Water Reclamation Facility

Executive Summary

As required by Section 303(d) of the Clean Water Act (CWA), the Illinois Environmental Protection Agency (Illinois EPA) is required to identify and list all state waters that fail to meet water quality standards. This list is referred to as the 303(d) list and is revisited every two years to either remove those waters that have attained their designated uses, or to include additional waters not previously deemed impaired. Waterbodies included on the 303(d) list require Total Maximum Daily Load (TMDL) development.

A TMDL is an estimation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards. It assesses contributing point and nonpoint sources to identify pollution reductions necessary for designated use attainment. A TMDL identifies the source of impairment and provides reduction estimates to meet water quality standards. Pollutant reductions are then allocated to contributing sources, thus triggering the need for pollution control and increased management responsibilities amongst sources in the watershed.

For the Upper North Branch Chicago River Watershed nine impaired waterbodies were identified for TMDL development. The Upper North Branch Chicago River Watershed is located in northern Illinois and drains approximately 87,000 acres, including the North Shore Channel. The North Branch Chicago River originates as three tributary streams: the 14.7 mile West Fork, 22.1 mile Middle Fork , and the 19.1 mile Skokie River. From their origins in Lake County, these tributaries flow south into Cook County. The Skokie River ends when it enters the Middle Fork, the Middle Fork ends when it joins the West Fork, and the North Branch begins at the junction of the Middle and West Forks and ends at the junction of the North Branch and the North Shore Channel. It then joins the South Branch of the river in downtown Chicago. The South Branch flows into the Chicago Sanitary and Ship Canal where it is diverted westward joining with the Des Plaines River as a tributary of the Illinois River. The Illinois River flows southwest across the state and is a major tributary of the Mississippi River (SMC 2007). The watershed is within Lake and Cook Counties.

The only waterbody classification applicable to the Upper North Branch Chicago River Watershed is the General Use classification which includes designated uses such as aquatic life, aesthetic quality, fish consumption and primary contact recreation uses. The identified impairments include total phosphorus, fecal coliform, pH, dissolved oxygen, temperature, manganese, and chloride. The water quality standards identified for these impairments provide an explicit assessment as to whether or not these waterbodies are in compliance.

Available data used for assessing these waterbodies originated from numerous water quality stations within the Upper North Branch Chicago River Watershed. Data were obtained from both legacy and modernized USEPA Storage and Retrieval (STORET) databases, Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) data, Lake County, and Illinois EPA database data. Data relevant to impairments were compiled for each impaired waterbody and summary statistics were calculated to further characterize each pollutant.

Various models were recommended for TMDL development, the level of which was primarily based on the complexity of the system and the availability of data. Simple spreadsheet models were recommended for DO TMDLs and the ENSR Lake Response Model (ENSR LRM) was recommended to analyze total phosphorus impairment. Load duration curves were recommended for fecal coliform and metals analyses and could also be used to estimate BOD loading for the DO TMDL. If the system requires a more complex DO model for creek simulation, then QUAL2K could be used. QUAL2K was recommended for the pH and temperature TMDL, but is capable of simulating instream DO concentrations.

1.0 Introduction

This Stage 1 Total Maximum Daily Load (TMDL) report is presented as partial fulfillment by the Illinois Environmental Protection Agency (Illinois EPA) and the United States Environmental Protection Agency (U.S.EPA) in the development of TMDLs, as part of that state's Clean Water Act (CWA) Section 303(d) compliance. The purpose of the project is to develop TMDLs for nine impaired waterbodies in the Upper North Branch Chicago River Watershed in northeastern Illinois.

Section 303(d) of the CWA and U.S. EPA's Water Quality Planning Regulations (40 CFR Part 130) require states to develop TMDLs for impaired waterbodies that are not supporting designated uses or meeting water quality standards. A TMDL is a calculation of the maximum amount of pollutants that a waterbody can receive and still meet the water quality standards necessary to protect the designated beneficial use (or uses) for that waterbody. The TMDL process establishes the allowable loadings of pollutants for a waterbody based on the relationship between pollutant sources and water quality conditions, so that states and local communities can establish water quality based controls to reduce pollutants from both point and nonpoint sources and restore and maintain the quality of their water resources.

Water is an essential resource for the inhabitants of the Earth and protecting this resource is the goal for many across the globe. United States policies and regulations, such as the CWA, were created and are implemented to help maintain the quality of our water resources in the United States. The U.S. EPA, via the CWA, charged each state with developing water quality standards (WQS). These WQS are laws or regulations that states authorize to protect and/or enhance water quality, to ensure that a waterbody's designated use (or uses) is (are) not compromised by poor water quality and to protect public health and welfare. In general, WQS consist of three elements:

- The designated beneficial use (e.g., recreation, protection of aquatic life, aesthetic quality, and public and food processing water supply) of a waterbody or segment of a waterbody,
- The water quality standards necessary to support the designated beneficial use of a waterbody or segment of a waterbody, and
- An anti-degradation policy, so that water quality improvements are conserved, maintained and protected.

The Illinois Pollution Control Board (IPCB) established its WQS and includes it in Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter 1: Pollution Control Board, Part 302: Water Quality Standards. Every two years Illinois EPA submits the Illinois Integrated Water Quality Report and Section 303(d) List. This report documents surface and groundwater conditions throughout the state. The 303(d) List portion of this report identifies impaired water bodies, grouped by watershed, and identifies suspected sources of impairment. These waters are prioritized for TMDL development into high, medium, and low categories based on designated use and pollution severity and are then targeted for TMDL development. Non-pollutant causes of impairment, such as habitat degradation and aquatic algae are not addressed under the TMDL, but are addressed by programs such as the 319 program and other nonpoint source grant programs. Some non-pollutants may be addressed by reducing pollutants for which a TMDL is developed. For example, some implementation activities to reduce phosphorus can reduce excessive algae and improve habitat.

A TMDL is a calculation of the maximum load a waterbody can be receive without exceeding water quality standards or result in non attainment of a designated use. A watershed's TMDL report consists of data analysis to quantitatively assess water quality, documentation of waterbodies or segments of waterbodies that are impaired, and identification of potential contributing sources to impairment. Based on these data, the amount and type of load reduction that is needed to bring water quality into compliance is calculated. The TMDL report provides the scientific basis for states and local communities to establish water quality-based controls to reduce pollutant loads from both point (i.e., wasteload allocations) and non-point sources (i.e., load allocations).

Illinois EPA uses a three-stage approach to develop TMDLs for a watershed:

- **Stage 1** – Watershed characterization, historical dataset evaluation, data analysis, methodology selection, data gap identification;
- **Stage 2** – Data collection to fill in data gaps, if necessary; and
- **Stage 3** – Model calibration, TMDL scenarios, and implementation plans.

The purpose of Stage 1 is to characterize the watershed background; verify impairments in the listed waterbody by comparing observed data with water quality standards or appropriate targets; evaluate spatial and temporal water quality variation; provide a preliminary assessment of sources contributing to impairments; and describe potential TMDL development approaches. If available water quality data collected for the watershed are deemed sufficient by Illinois EPA, Stage 2 may be omitted and Stage 3 will be completed. If sufficient water quality data or supporting information are lacking for an impaired waterbody, then Stage 2 is required and field samplings will be conducted in order to obtain necessary data to complete Stage 3.

This report documents Stage 1 in the Illinois EPA approach for TMDL development. The report is organized into six main sections. Section 1.0 discusses the definition of TMDLs and targeted impaired waterbodies in the Upper North Branch Chicago River Watershed, for which TMDLs will be developed. Section 2.0 describes the characteristics of the watershed, and Section 3.0 briefly discusses the process of public participation and involvement. Section 4.0 describes the applicable water quality standards and water quality assessment. Section 5.0 presents the assessment and analysis of available water quality data. Section 6.0 discusses the methodology selection for the TMDL development, the data gaps, and provides recommendations for additional data collection, if necessary.

1.1 Definition of a Total Maximum Daily Load (TMDL)

According to the 40 CFR Part 130.2, the TMDL (the maximum load a waterbody can be receive without exceeding water quality standards or result in non attainment of a designated use) for a waterbody is equal to the sum of the individual loads from point sources (i.e., wasteload allocations or WLAs), and load allocations (LAs) from nonpoint sources (including natural background conditions). Section 303(d) of the CWA also states that the TMDL must be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety (MOS) which takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. In equation form, a TMDL may be expressed as follows:

$$\mathbf{TMDL = WLA + LA + MOS}$$

Where:

WLA = Waste Load Allocation (i.e., loadings from point sources);
LA = Load Allocation (i.e., loadings from nonpoint sources including natural background); and
MOS = Margin of Safety.

TMDLs can be expressed in terms of either mass per time, toxicity or other appropriate measures [40 CFR, Part 130.2 (i)]. US EPA recommends that all TMDLS and associated LA and WLAs be expressed in terms of daily increments but may include alternative non-daily expression of pollutant loads to facilitate implementation of the applicable water quality standard. TMDLs also shall take into account the seasonal variability of pollutant loading and hydrology to ensure water quality standards are met in all seasons and during all hydrologic conditions. Though not required by CWA, Illinois EPA requires that an implementation plan be developed for each watershed, which may be used as a guideline for local stakeholders to restore water quality. This implementation plan will include recommendations for implementing best management practices (BMPs), cost estimates, institutional needs to implement BMPs and controls throughout the watershed, and time frame for completion of implementation activities.

The MOS accounts for the lack of knowledge or uncertainty concerning the true relationship between loading and attainment of water quality standards. This uncertainty is often a product of data gaps, either temporally or spatially, in the measurement of water quality. The MOS should be proportional to the anticipated level of uncertainty; the higher the uncertainty, the greater the MOS. The MOS is generally based on a qualitative assessment of the relative amount of uncertainty as a matter of best professional judgment (BPJ). The MOS can be either explicit or implicit. If an explicit MOS is used, a portion of the total allowable loading is allocated to the MOS. If the MOS is implicit, a specific value is not assigned to the MOS, but is already factored in during the TMDL development process. Use of an implicit MOS is appropriate when assumptions used to develop the TMDL are believed to be so conservative that they sufficiently account for the MOS.

1.2 Targeted Waterbodies for TMDL Development

In May 2008, Illinois EPA prepared a draft Illinois Integrated Water Quality Report and Section 303(d) List-2008 (commonly referred to as the 303(d) List) to fulfill the requirement of Section 305(b), 303(d) and 314 of the CWA (Illinois EPA, 2008). Under US EPA's review and approval, the report presents a detailed water quality assessment process and results for streams and lakes in the State of Illinois. The water quality assessments are based on biological, physicochemical, physical habitat, and toxicity data. Each waterbody has one or more of designated uses which may include aquatic life, aesthetic quality, indigenous aquatic life (for specific Chicago-area waterbodies), primary contact (swimming), secondary contact (recreation), public and food processing water supply, and fish consumption. The degree of support (attainment) of a designated use in a waterbody (or segment) is assessed as Fully Supporting (good), Not Supporting (fair), or Not Supporting (poor). Waters in which at least one applicable use is not fully supported is designated as "impaired." Potential causes and sources of impairment are also identified for these waters. The 303(d) List is prioritized on a watershed basis based on the requirements of 40 CFR Part 130.7(b)(4). Watershed boundaries are based on United States Geological Survey (USGS) ten-digit hydrologic units, to provide the state with the ability to address watershed issues at a manageable level and document improvements to a watershed's health (Illinois EPA, 2008). TMDL development is also conducted on a watershed basis so that the impaired waters upstream of an individual segment may be addressed at the same time.

Six river segments and three lakes are identified as impaired and selected for TMDL development in the Upper North Branch Chicago River Watershed (Illinois EPA, 200 8). Table 1-1 presents the 2008 303(d) list for the Upper North Branch Chicago River Watershed. The table includes impaired designated uses and potential causes. The segments in bold font are scheduled for TMDL development and are the focus of this report. TMDLs will not be developed for the lakes with surface area of less than 20 acres since the Illinois phosphorus standards apply to only those lakes where surface acreage is 20 or more acres. Nor will TMDLs be developed for segments impaired by water quality variables that do not have numerical WQS.

Table 1-1 summarizes these waterbodies, designated uses, and impairments identified by Illinois EPA and Table 1-2 indicates potential causes. The designated uses for these waterbodies are primarily aquatic life and primary contact recreation with some aesthetic quality and fish consumption uses. The identified causes for impairments include dissolved oxygen, fecal coliform, chloride, low pH, manganese, elevated water temperature, and total phosphorus. WQS provide numerical criteria to measure compliance for each of these water quality variables. However, DO is considered a non-pollutant by Illinois EPA. The Illinois EPA will ascertain potential causes for low dissolved oxygen using the TMDL process and will develop a TMDL only if the cause is attributable to a pollutant that has a numerical WQS. For example, if a 50-acre lake suffers from low DO due to excessive algal densities which is related to elevated phosphorus concentrations, the Illinois EPA will develop a phosphorus TMDL for this waterbody. TMDLs will not be developed for waterbodies listed as impaired based on non numerical WQSs (e.g., excessive algae) or statistical guidelines (e.g., total suspended solids). For other causes such as total suspended solids, the TMDL implementation plan can potentially address the impairment by reducing TMDL parameters that are associated with this impairment.

Table 1-1: Illinois 2008 Integrated Report 303(d) and Assessment Report Information for Upper North Branch Chicago River Watershed

Water ID	Water Name	Designated Uses	Impairments
IL_HCC-07	North Branch Chicago River	Aquatic Life	Aldrin, DDT, Hexachlorobenzene, Alteration in Streamside or Littoral Vegetation, **Dissolved Oxygen (1), Chloride (1), pH (1),** Phosphorus, Total Suspended Solids
		Fish Consumption	Polychlorinated biphenyls
		Primary Contact Recreation	**Fecal Coliform (1)**
IL_HCCB-05	West Fork. North Branch Chicago River	Aquatic Life	Alteration in Streamside or Littoral Vegetation, **Chloride (1),** DDT, **Dissolved Oxygen (1),** Phosphorus, Total Suspended Solids
		Primary Contact Recreation	**Fecal Coliform (1)**
IL_HCCC-02	Middle Fork North Branch Chicago River	Aquatic Life	Alteration in Streamside or Littoral Vegetation**, Chloride (1),** DDT, **Dissolved Oxygen (1),** Hexachlorobenzene, **Manganese (1),** Sedimentation/Siltation, Total Suspended Solids (TSS)
		Primary Contact Recreation	**Fecal Coliform (1)**
IL_HCCC-04	Middle Fork North Branch Chicago River	Aquatic Life	Aldrin, Alteration in Streamside or Littoral Vegetation, Chlordane, **Chloride (1**), DDT, **Dissolved Oxygen (1),** Hexachlorobenzene, **pH (1),** Phosphorus (Total), Sedimentation/ Siltation, Total Suspended Solids (TSS), **Water Temperature (1)**
		Primary Contact Recreation	**Fecal Coliform (1)**
IL_HCCD-01	Skokie River	Aquatic Life	**pH (1), Dissolved Oxygen (1),** Phosphorus (Total), Total Suspended Solids (TSS)
		Primary Contact Recreation	**Fecal Coliform (1)**
IL_HCCD-09	Skokie River	Aquatic Life	Alteration in Streamside or Littoral Vegetation, Aquatic Algae, Other Flow Regime Alterations, **pH (1),** Phosphorus, Sedimentation/Siltation
		Primary Contact Recreation	**Fecal Coliform (1)**

Water ID	Water Name	Designated Uses	Impairments
IL_RHJ	Skokie Lagoons	Aesthetic Quality	Aquatic Algae, Aquatic Plants (Macrophytes),**Phosphorus (Total) (1)**, Total Suspended Solids (TSS)
		Fish Consumption	Mercury
IL_RHJA	Chicago Botanic Garden	Aesthetic Quality	Aquatic Algae, **Phosphorus (Total) (1)**
IL_UHH	Eagle Lake	Aesthetic Quality	Aquatic Plants, **Phosphorus (Total) (1)**, Total Suspended Solids (TSS)

(1) These parameters have numeric standards and will have TMDL allocations.

Table 1-2: Waterbodies targeted for TMDL development in the Upper North Branch Chicago River Watershed

Water ID	Water Name	Impairments	Potential Sources
IL_HCC-07	North Branch Chicago River	Dissolved Oxygen	CSOs
		Chloride	Combined Sewer Overflows, Highway/Road/Bridge Runoff (Non-construction Related), Municipal Point Source Discharges, Urban Runoff/Storm Sewers
		pH	Urban Runoff/Storm Sewers
		Fecal Coliform	CSOs, Source Unknown
IL_HCCB-05	West Fork North Branch Chicago River	Chloride	Highway/Road/Bridge Runoff (Non-construction Related), Municipal Point Source Discharges, Urban Runoff/Storm Sewers
		Dissolved Oxygen	Source Unknown
		Fecal Coliform	Urban Runoff/Storm Sewers
IL_HCCC-02	Middle Fork North Branch Chicago River .	Chloride, Manganese	Urban Runoff/Storm Sewers
		Dissolved Oxygen	Channelization, Urban Runoff/Storm Sewers
		Fecal Coliform	Source Unknown
IL_HCCC-04	Middle Fork North Branch Chicago River	Chloride	Municipal Point Source Discharges, Urban Runoff/Storm Sewers
		Dissolved Oxygen	Channelization, Municipal Point Source Discharges, Urban Runoff/ Storm Sewers
		pH	Urban Runoff/Storm Sewers
		Water Temperature	Source Unknown
		Fecal Coliform	Urban Runoff/Storm Sewers
IL_HCCD-01	Skokie River	pH, Dissolved Oxygen	Urban Runoff/Storm Sewers, Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
		Fecal Coliform	Urban Runoff/Storm Sewers, Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
IL_HCCD-09	Skokie River	pH	
		Fecal Coliform	Combined Sewer Overflows, Urban Runoff/Storm Sewers
IL_RHJ	Skokie Lagoons	Phosphorus (Total)	Littoral/shore Area Modifications (Non-riverine), Runoff from Forest/Grassland/Parkland, Urban Runoff/Storm Sewers, Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Water ID	Water Name	Impairments	Potential Sources
IL_RHJA	Chicago Botanic Garden	Phosphorus (Total)	Littoral/shore Area Modifications (Non-riverine), Runoff from Forest/Grassland/Parkland, Waterfowl, Specialty Crop Production
IL_UHH	Eagle Lake	Phosphorus (Total)	Source Unknown

1.3 Previous Projects Done Within the Watershed

Skokie Lagoons- Years after the lagoons were developed, winter fish kills were the result of the lagoons silting in and pollution from Lake County. Through the EPA Clean Lake Program, a dredging project occurred from 1986 to 1988 and also treated wastewater was rerouted around the lagoons. Starting in 1995, the Forest Preserve District initiated a shoreline stabilization project.

Chicago Botanic Garden Lagoons - In the 1990s, the Botanic Garden undertook an ambitious Skokie River Corridor Enhancement Project. Shoreline restoration has also taken place in the 1990s.

The following 319 projects were also performed within the watershed:

319 Project- 1993

Title: Skokie River Restoration Project

Subgrantee: Chicago Botanic Garden

Through the implementation of bank stabilization and restoration techniques, this project mitigated nonpoint source pollution to the Skokie River (ILHCCD09) and downstream lagoons. The project also enhanced the aquatic habitat and uses of the Skokie River. Restoration measures applied include: prairie buffer plantings, created oxbow excavations, restored floodplain wetlands (1.1 acre), bank stabilization through brush layering with willows and dogwoods, bank toe protection and redirected thalweg through use of biologs with prairie cord grass and emergent wetland plants, willow posts for protection of rip rap and outlet pipes and weir wall, in-stream habitat structure (riffles), and bank stabilization through 3 foot buffer along entire stream (9,550 feet). A multi-faceted educational program was also implemented as part of the project.

Project Reports and Other Informational Materials:

- “Restoration of the Skokie River: Natural Techniques at Work.” 1996 (videotape). Chicago Botanic Garden.
- “Skokie River Restoration Project.” May 1996. Chicago Botanic Garden.

319 Project- 1994

Title: Skokie Lagoons Shoreline Stabilization Project

Subgrantee: Forest Preserve District of Cook County

This project implemented shoreline restoration aimed at vegetative stabilization along approximately 2.5 miles of shoreline. The restoration focused on areas where the most erosion has occurred because these are the most significant targets for addressing nonpoint source pollutants. Treatment of the shoreline extended beyond the water’s edge and into the floodplain for a distance of approximately 200 feet. Where feasible, the vegetative cover was extended into the water for further stabilization. Restoration measures used included coir fascines, gravel access points, coir mattresses, dead brush layers, sand and gravel stabilizer, live brush mattresses, rock toes, temporary wood stakes, and coir webbing.

Project Reports and Other Informational Materials:

- "Skokie Lagoons Shoreline Stabilization Project – Final Report." October 1, 1997. Forest Preserve District of Cook County.

319 Project- 2000

Title: Chicago Botanic Garden Lake WRAS Implementation

Subgrantee: Chicago Botanic Garden

This project installed best management practices along 5,783 linear feet of shoreline on the Chicago Botanic Garden Lagoon (ILRHJA) to arrest shoreline erosion and reduce nonpoint source pollution while protecting or enhancing habitat and aesthetic qualities. The installation of shoreline stabilization practices was consistent with the recommendations of the Chicago Botanic Garden's "Aquatic Initiative – Lagoon Shoreline Restoration Master Plan" and "Clean Lakes Diagnostic/Feasibility Study," which together served as a watershed restoration action strategy. Shoreline stabilization practices included sheet-pilings, stone walls, cobbles, fiber rolls, A-jacks, lunkers, native grasses and shrubs, erosion control blankets, live fascines, branch-packing, and vegetated geogrids. The project also included an education component including meetings, tours, and construction of a webpage about the project and the shoreline restoration techniques.

Project Reports and Other Informational Materials:

- "Chicago Botanic Garden Lakes Watershed Restoration Action Strategy Implementation – Final Report." August 2006. Chicago Horticultural Society – Botanic Garden. http://www.cbgscience.org/shoreline/index.htm

2.0 Watershed Characterization

This section describes the general characteristics of the Upper North Branch Chicago River Watershed including location (Section 2.1), topography (Section 2.2), land use (Section 2.3), soil information (Section 2.4), population (Section 2.5), climate and precipitation (Section 2.6), and hydrology (Section 2.7).

2.1 Watershed Location

A watershed is a geographic area that shares a hydrologic connection - all the water within that area drains to a common waterway. Water movement can be influenced by topography, soil composition and water recharge (i.e. precipitation, snow melt, groundwater) ("What is a Watershed", 2007). Watersheds are important because pollution at the water's source may impact water quality in all downgradient areas including its convergence with a common waterway. Understanding the watershed is an essential step in the TMDL process – an essential tool in maintaining water quality standards within Illinois.

The Upper North Branch Chicago River Watershed is located in northern Illinois and drains approximately 135 mi^2 (86,400 acres), including the North Shore Channel. The North Branch Chicago River originates as three tributary streams: the 14.7 mile West Fork, 22.1 mile Middle Fork , and the 19.1 mile Skokie River. From their origins in Lake County, these tributaries flow south into Cook County. The Skokie River ends when it enters the Middle Fork, the Middle Fork ends when it joins the West Fork, and the North Branch begins at the junction of the Middle and West Forks and ends at the junction of the North Branch and the North Shore Channel, approximately 11.5 miles. It then joins the South Branch of the river in downtown Chicago. The South Branch flows into the Chicago Sanitary and Ship Canal where it is diverted westward joining with the Des Plaines River as a tributary of the Illinois River. The Illinois River flows southwest across the state and is a major tributary of the Mississippi River (SMC 2007). The watershed is within Lake and Cook Counties.

Figure 2-1: Upper North Branch Chicago River Watershed Overview

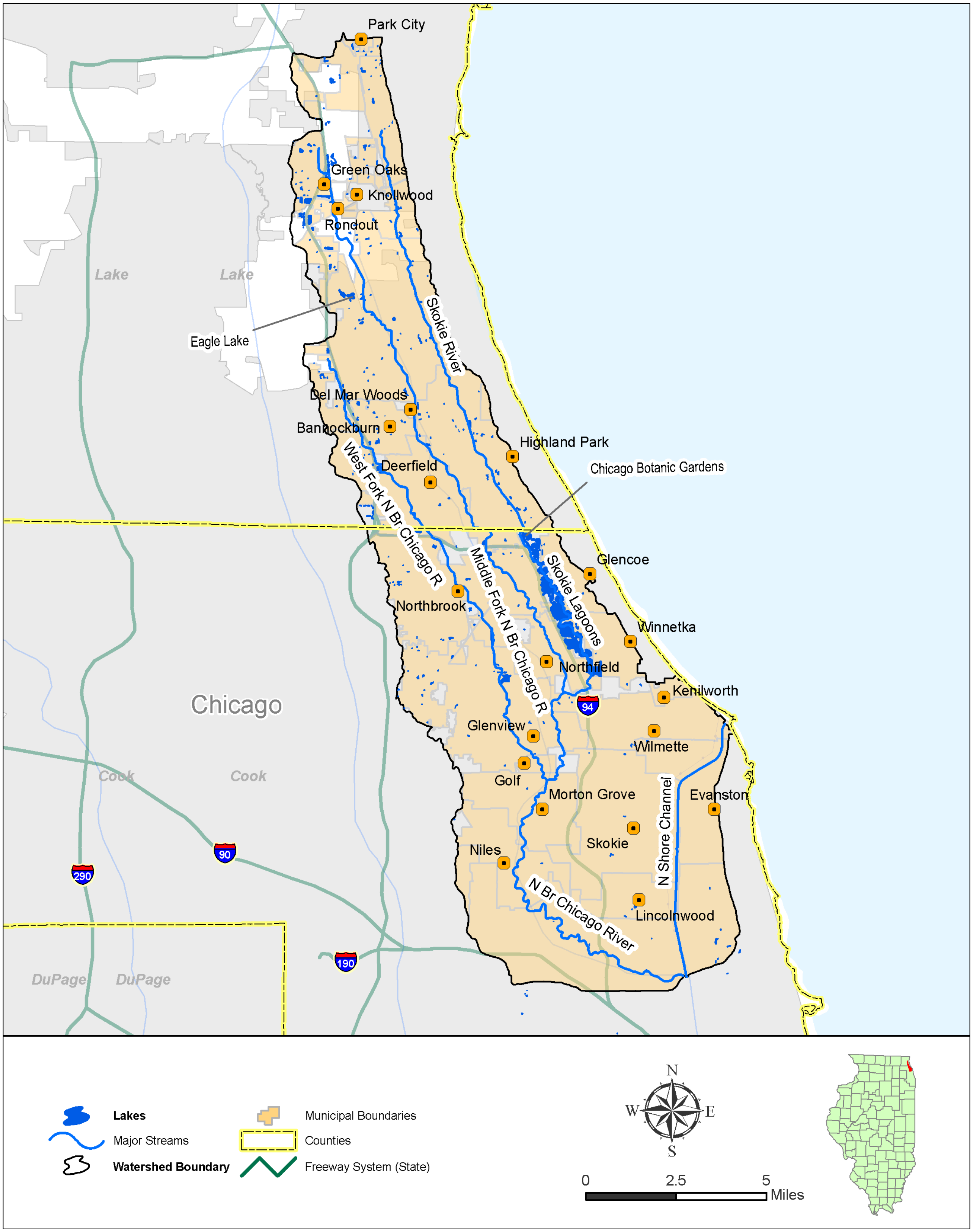
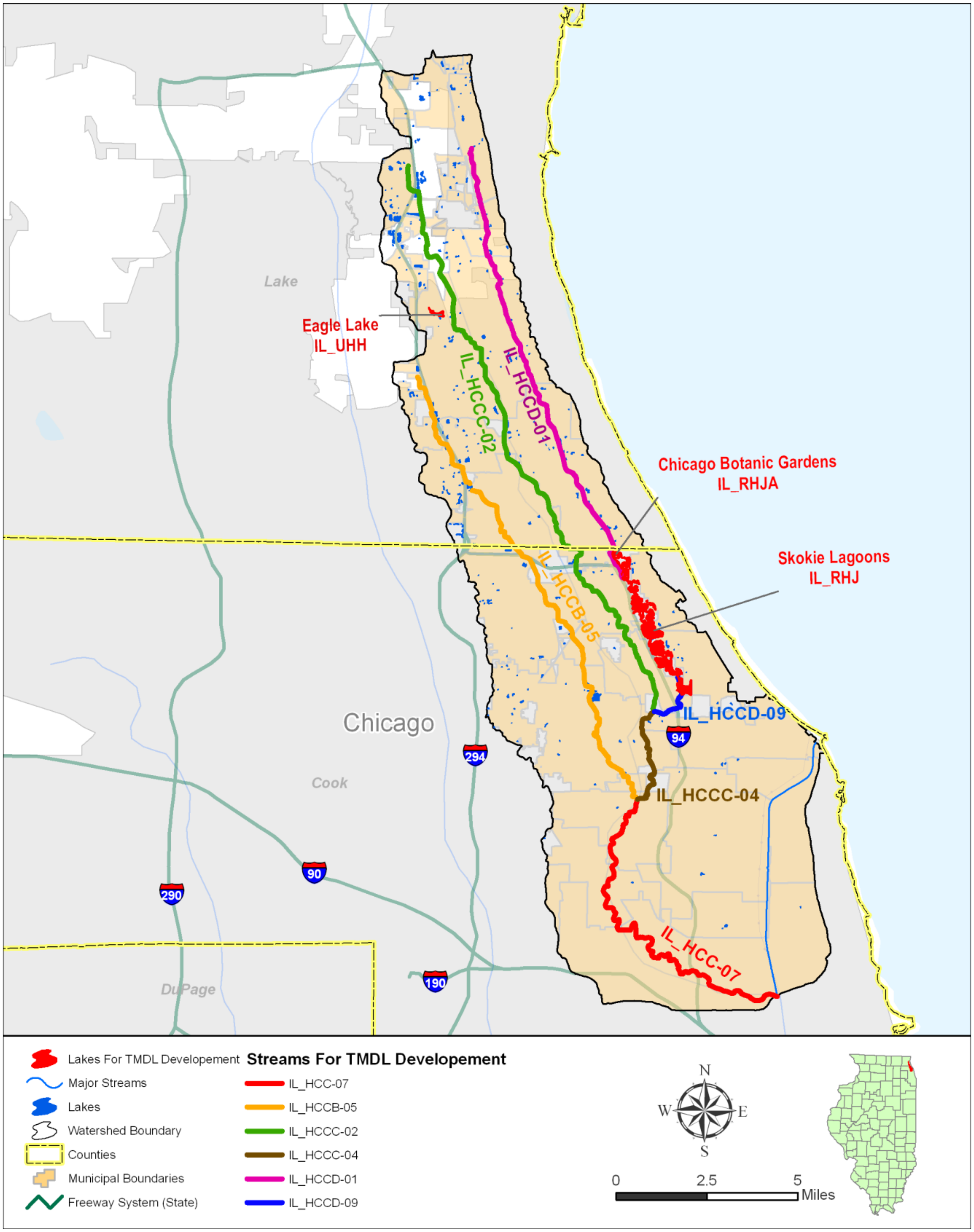


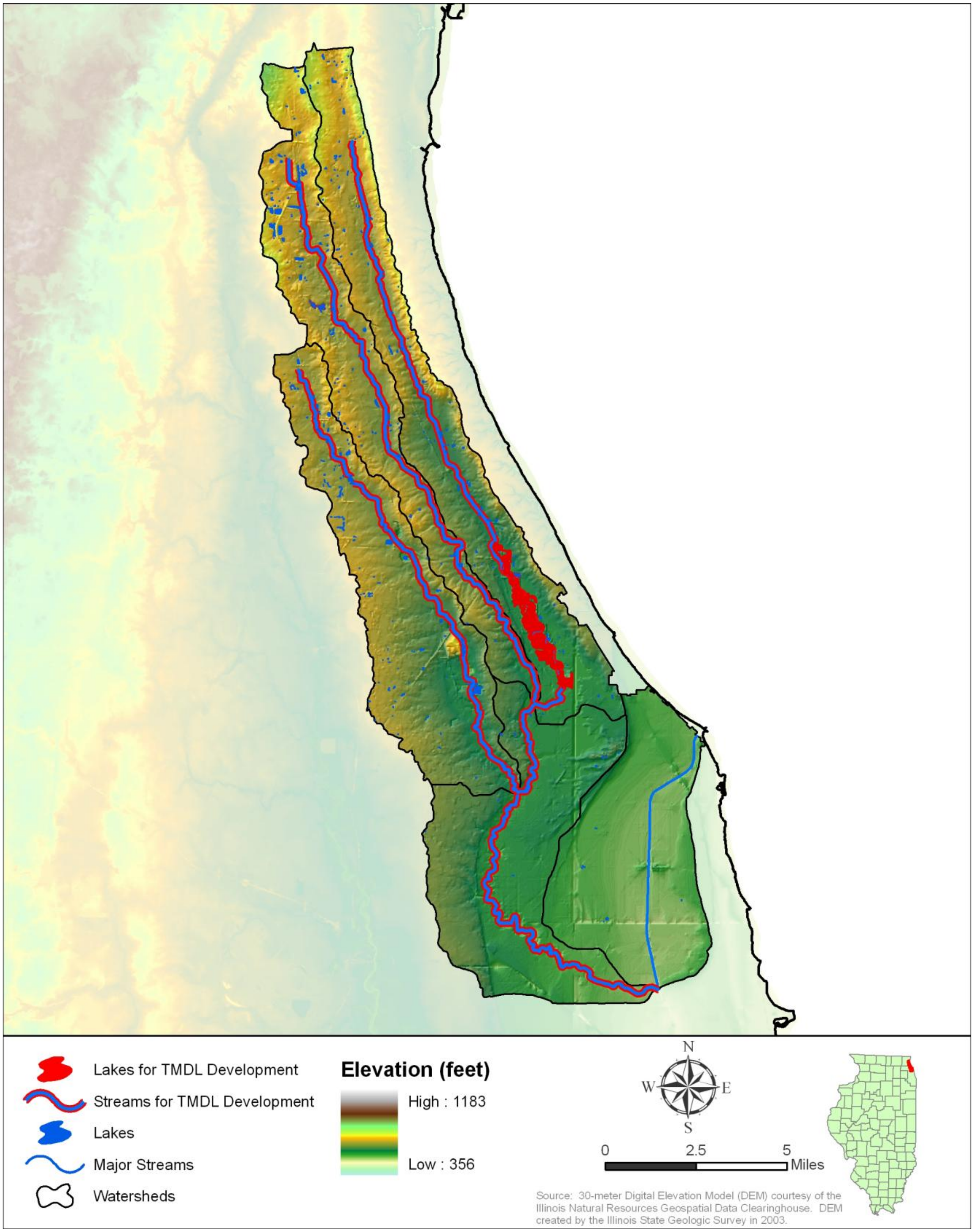
Figure 2-2: Upper North Branch Chicago River Watershed TMDL Waterbodies



2.2 Topography

Topography influences soil types, precipitation, and subsequently watershed hydrology and pollutant loading. For the Upper North Branch Chicago River Watershed, a USGS 30-meter resolution digital elevation model (DEM) was obtained from the Illinois Natural Resources Geospatial Data Clearinghouse to characterize the topography. The DEM was then cropped to the northern extent of the Upper North Branch Chicago River Watershed, as provided by Illinois EPA, and analyzed. Figure 2-3 displays elevations in color ramp throughout the Upper North Branch Chicago River Watershed. Elevation in the Upper North Branch Chicago River Watershed ranges from 700 feet above sea level in the headwaters of the watershed to 585 feet at its most downstream point in the southern end of the watershed. The absolute elevation change is 115 feet over the approximately 33.9 river mile length of watershed, which yields a stream gradient of approximately 3.392 feet per mile or a slope of 0.001, resulting in a percent change of approximately 17%.

Figure 2-3: Upper North Branch Chicago River Watershed Digital Elevation Model (DEM)



2.3 Land Use

Land use is as dynamic as the water moving throughout a watershed. It is constantly changing and has a large impact on the water quality within a watershed. Land use data for the watershed were extracted from the Illinois Gap Analysis Project (IL-GAP) Land Cover data layer. IL-GAP was started at the Illinois Natural History Survey (INHS) in 1996, and the land cover layer was the first component of the project. The IL-GAP Land Cover data layer is a product of the Illinois Interagency Landscape Classification Project (IILCP), an initiative to produce statewide land cover information on a recurring basis cooperatively managed by the United States Department of Agriculture National Agricultural Statistics Service (NASS), the Illinois Department of Agriculture (IDA), and the Illinois Department of Natural Resources (IDNR). The land cover data were generated using 30-meter grid resolution satellite imagery taken during 1999 and 2000. The IL-GAP Land Cover data layer contains 23 land cover categories, including detailed classification in the vegetated areas of Illinois.

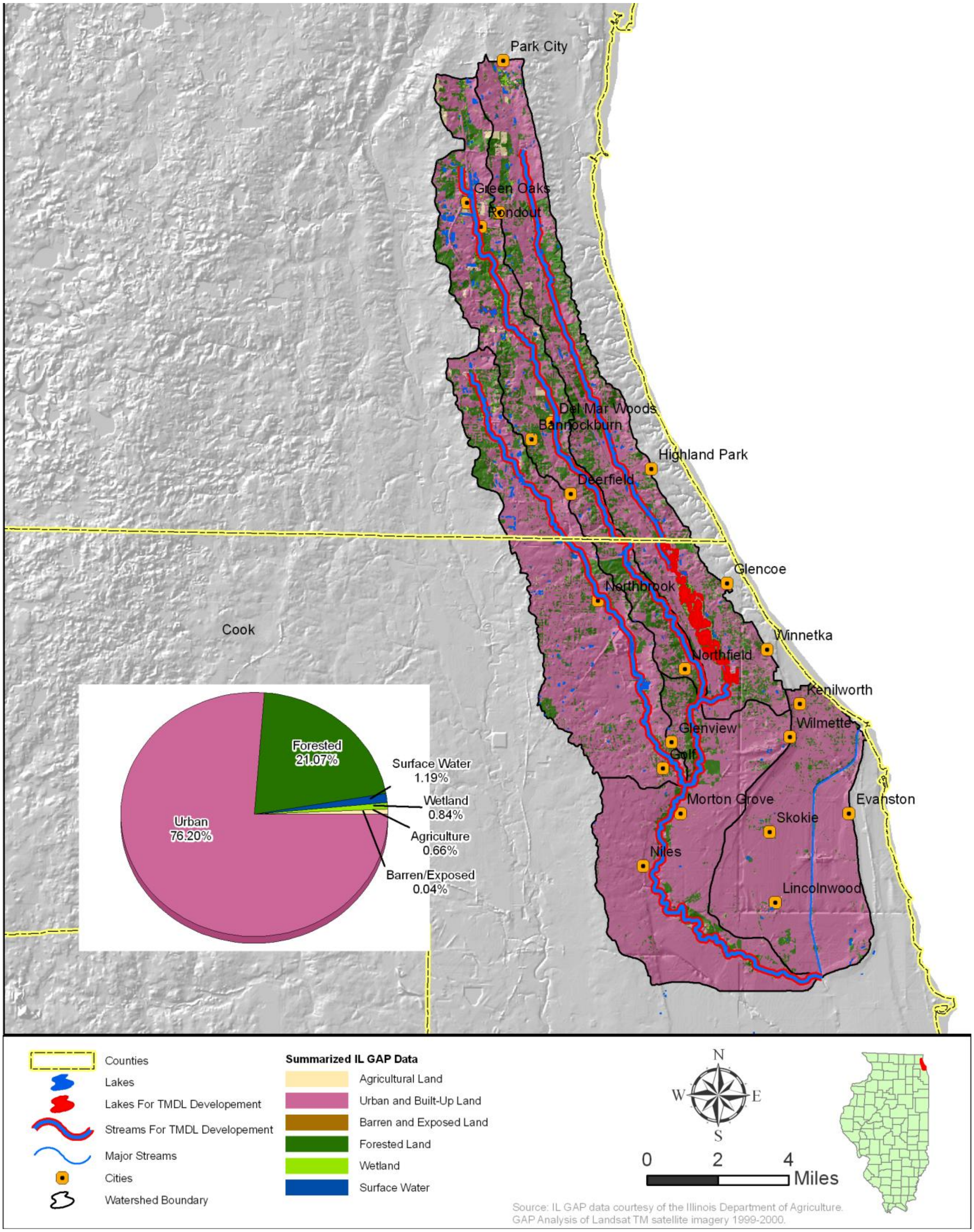
Figure 2-4 displays land use and land cover in the Upper North Branch Chicago River. Table 2-1 summarizes the land use for the watershed. It shows that the predominant land uses in the North Branch watershed are urban, accounting for 76.2% of the watershed. Forested land accounts for 21.1% of the watershed, or approximately 18,300 acres. Upland mesic forest is the most dominant forest type, accounting for 10.0% of the total watershed. Surface water (1.2%), wetlands (0.8%), barren land (0.0%), and agriculture (0.7%) make up the remainder of the watershed. Overall, the watershed is almost entirely urban along the headwaters and watershed boundaries, with some forested lands existing at the higher elevations.

Table 2-1: Summary of ILGAP Data in the Upper North Branch Chicago River Watershed

IL Gap Classification	Acreage	Percent	Summarized Acreage	Summarized Percentage
Urban and Built-up Land: Low/Medium Density: Medium (TM Scene 2331)	30177.9	34.7%	66248.8	76.2%
Urban and Built-up Land: High Density	10516.8	12.1%		
Urban and Built-up Land: Urban Open Space	15591.7	17.9%		
Urban and Built-up Land: Low/Medium Density: Low (TM Scene 2331)	9962.4	11.5%		
Forested Land: Upland: Mesic	8671.4	10.0%	18314.0	21.1%
Forested Land: Partial Canopy/Savanna Upland	6127.9	7.1%		
Forested Land: Upland: Dry-Mesic	3514.7	4.0%		
Other: Surface Water	1038.6	1.2%	1038.6	1.2%
Wetland: Shallow Marsh/Wet Meadow	346.3	0.4%	728.8	0.8%
Wetland: Deep Marsh	193.3	0.2%		
Wetland: Floodplain Forest: Wet	151.5	0.2%		
Wetland: Floodplain Forest: Wet-Mesic	29.4	0.03%		
Wetland: Shallow Water	8.5	0.04%		
Agricultural Land: Corn	332.0	0.4%	575.1	0.7%

IL Gap Classification	Acreage	Percent	Summarized Acreage	Summarized Percentage
Agricultural Land: Soybeans	168.8	0.2%		
Agricultural Land: Other Small Grains and Hay	73.2	0.1%		
Agricultural Land: Winter Wheat	1.1	0.0%		
Other: Barren and Exposed Land	32.0	0.0%	32.0	0.0%

Figure 2-4: Upper North Branch Chicago River Watershed Land Use Map



2.4 Soils

Soils data and Geographic Information Systems (GIS) files from the Natural Resources Conservation Service (NRCS) were used to characterize soils in the Upper North Branch Chicago River Watershed. General soils data and map unit delineations for the country are provided as part of the Soil Survey Geographic (SSURGO) database. Field mapping methods using national standards are used to construct the soil maps in the SSURGO database. Mapping scales generally range from 1:12,000 to 1:63,360; SSURGO is the most detailed level of soil mapping prepared by the NRCS. A map unit is composed of several soil series having similar properties. Identification fields in the GIS coverage can be linked to a database that provides information on chemical and physical soil characteristics. The SSURGO database contains many soil characteristics associated with each map unit. Of particular interest are the hydrologic soil group and the K-factor of the Universal Soil Loss Equation (USLE).

The SSURGO data were analyzed based on drainage class, hydrologic group and K-factor. The drainage class, as stated in the SSURGO database is, "The natural drainage condition of the soil [which] refers to the frequency and duration of wet periods" (Soil Survey Staff, "Table Column Descriptions", p. 78). Figure 2-5 exhibits the drainage classes of SSURGO data in the Upper North Branch Chicago River Watershed. Poorly drained soils are the predominant soil in the north, especially along the rivers. However, some excessively drained areas can be found on the slopes near streams in the southern portions of the watershed and closer to the city of Chicago. These excessively drained areas may be in part due to the natural geology or due to pipes leading into the stream. In general, the majority of the watershed and the entire southern section were not surveyed due to intense urban alteration near the center of Chicago.

The hydrologic soil group classification identifies soil groups with similar infiltration and runoff characteristics during periods of prolonged wetting. Typically, clay soils that are poorly drained have lower infiltration rates, while well-drained sandy soils have the greatest infiltration rates. United States Department of Agriculture (USDA) has defined four hydrologic groups (A, B, C, or D) for soils. Type A soil has high infiltration while D soil has very low infiltration rate. Figure 2-6 show the distribution of hydrologic soil groups. Generally, areas to the east along Lake Michigan have a moderately slow infiltration rate (hydrologic group C) with very poorly drained areas along the western border of the watershed. The central portion of the watershed all the way to the south has no data due to the reasons stated previously.

A commonly used soil attribute of interest is the K-factor, a dimensionless coefficient used as a measure of a soil's natural susceptibility to erosion. Factor values may range from 0 for water surfaces to 1.00 (although in practice, maximum K-factor values do not generally exceed 0.67). Large K-factor values reflect greater potential soil erodibility.

The compilation of K-factors from SSURGO data was a multi-stepped process. Soils are classified in the SSURGO database by map unit symbol. Each map unit symbol is made up of components consisting of several horizons (or layers). The K-factor was determined by selecting the dominant components in the most surficial horizon per each map unit. The distribution of K-factor values in the Upper North Branch Chicago River Watershed is shown in Figure 2-7. Values range from 0 to 0.43 with the same urbanized area unsurveyed and therefore showing no data.

Figure 2-5: Upper North Branch Chicago River Watershed SSURGO Drainage Class

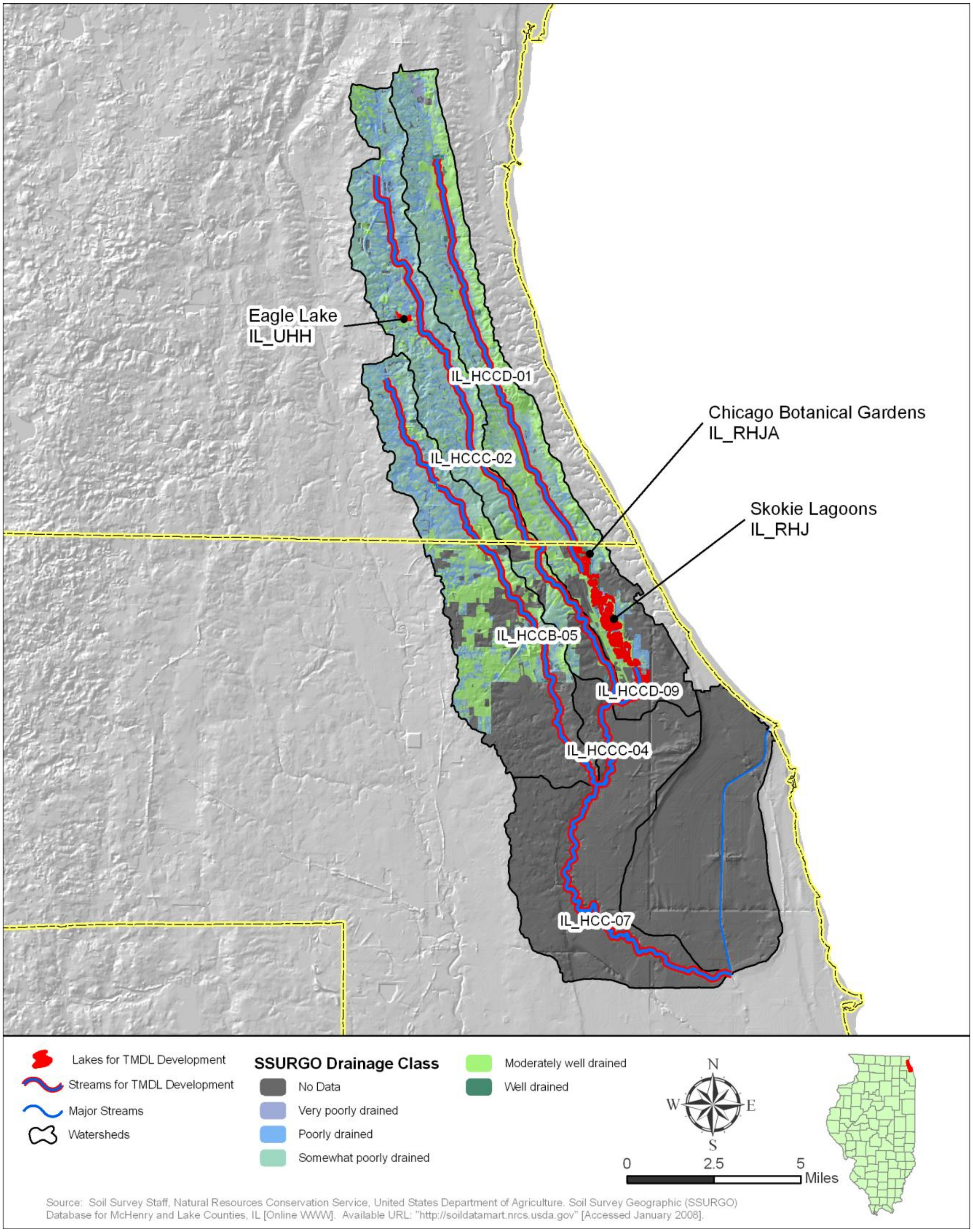


Figure 2-6: Upper North Branch Chicago River Watershed SSURGO Hydrologic Group

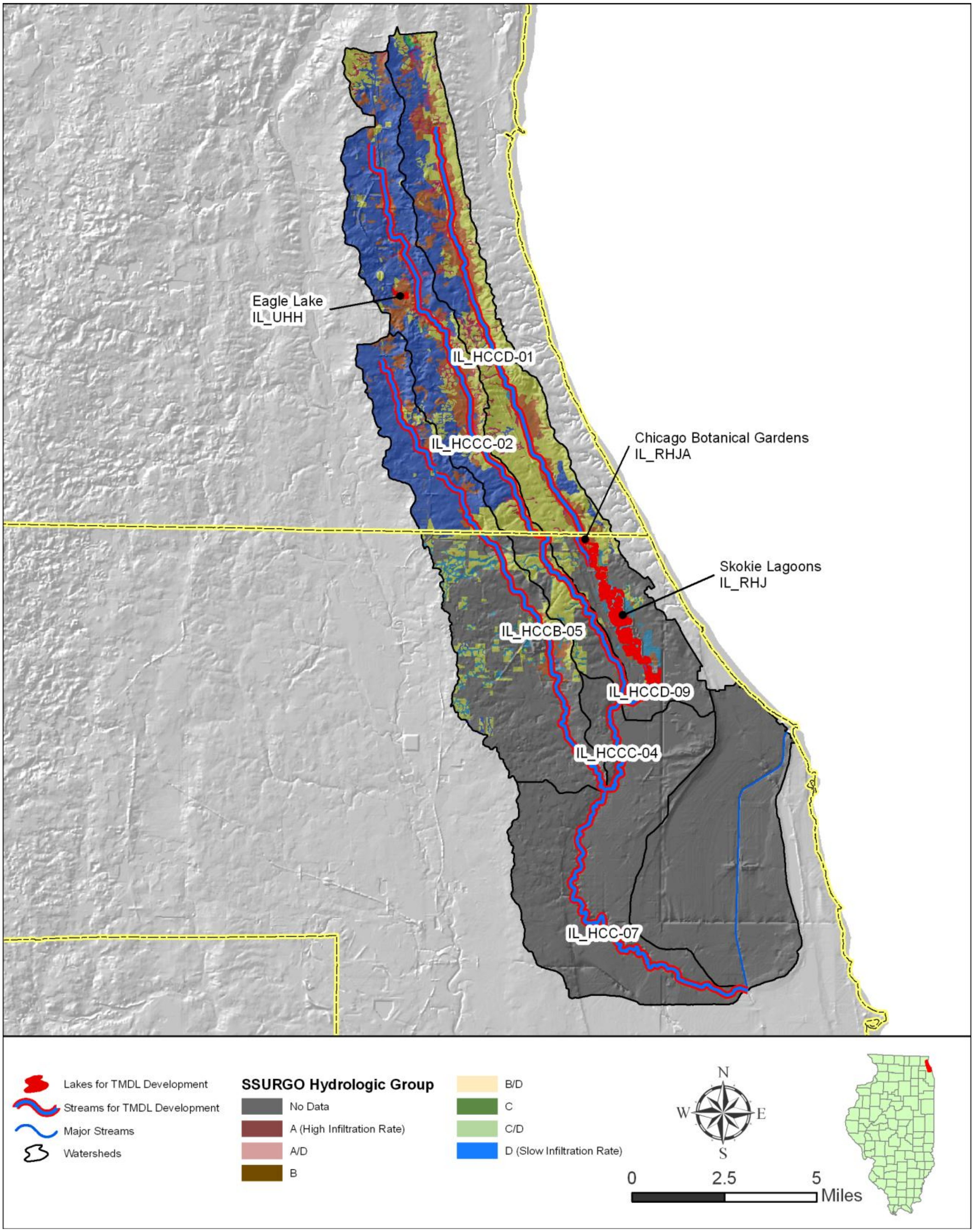
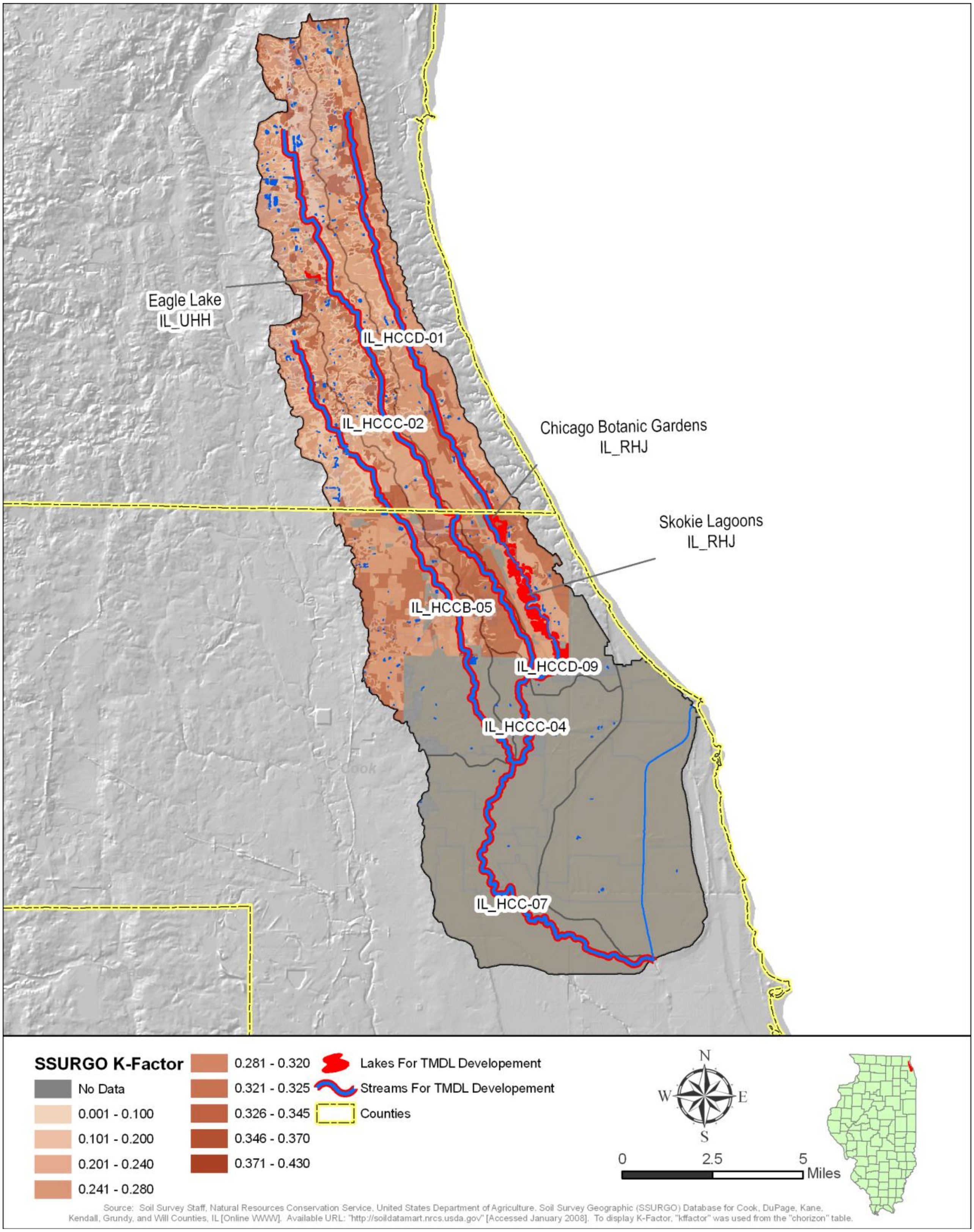


Figure 2-7: Upper North Branch Chicago River Watershed SSURGO K-Factor



2.5 Population

Conditions in the North Branch watershed today are not only a reflection of the geologic and natural processes that have occurred in the watershed, but also reflect human settlement over the past 170 years. As population in the watershed has increased, so have alterations to the land and the hydrologic and hydraulic flows of the watershed's natural drainage system. Census 2000 data in format of TIGER/Line Shape file were downloaded to analyze the population in the Upper North Branch Chicago River Watershed. Census data were also available for groups of census blocks, but the original census block data was used since it is a finer resolution and therefore, more accurate.

According to the Northeastern Illinois Planning Commission (NIPC), in 2000 approximately 1.5 million people resided in the North Branch Chicago Watershed. The best available information on future development trends in Lake and Cook County originates from local comprehensive plans, local zoning maps and demographic forecasts made by NIPC. Projected population changes from 2000 to 2030 are depicted in Figure 2-8. Two sets of forecast numbers were developed based on the following alternative scenarios for airport service in the Chicago region:

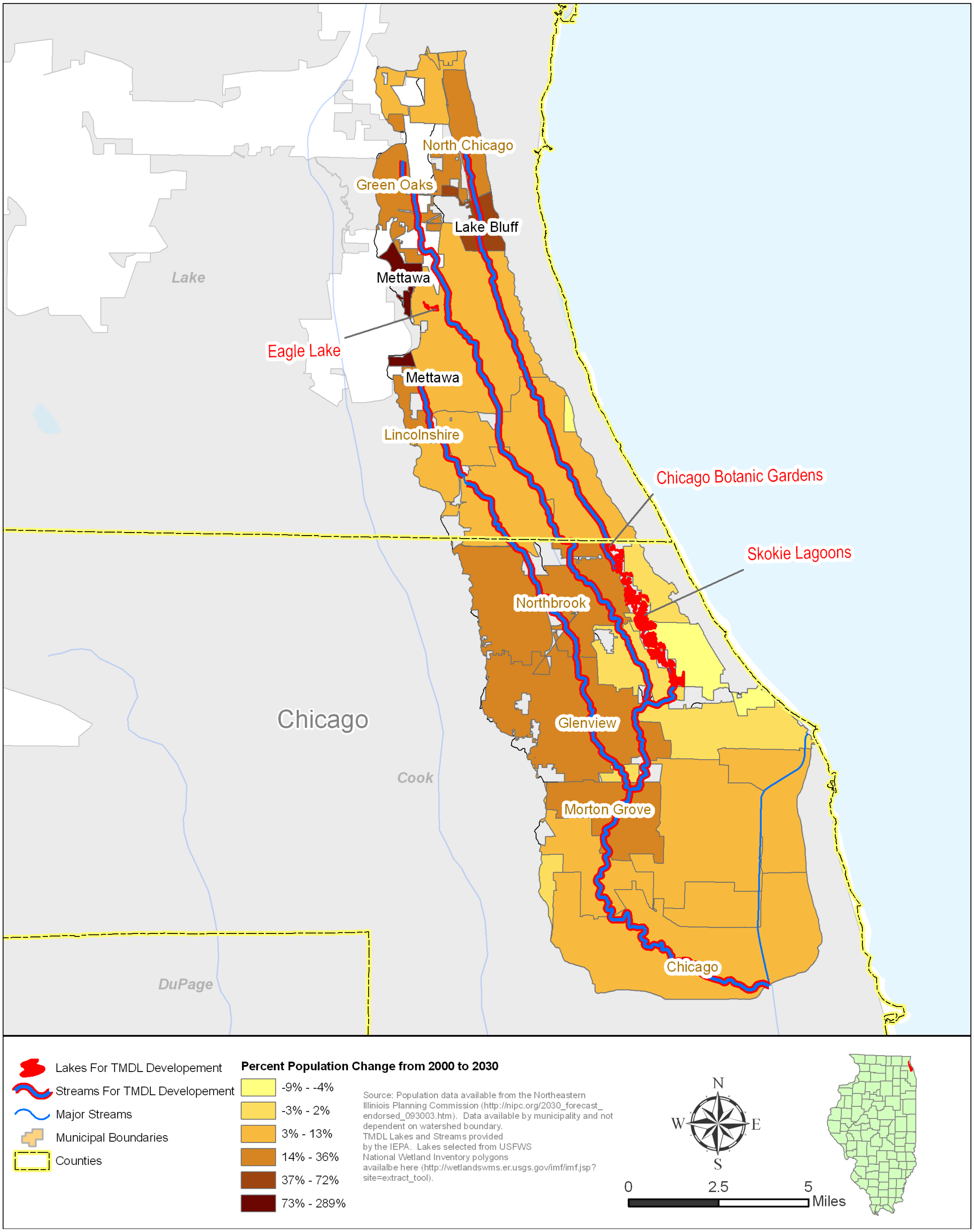
1. Growth in transportation demand will be satisfied through improvements at existing airports;
2. A new south suburban airport will be constructed.

NIPC considered both scenarios when preparing the population projections discussed below.

In the Cook County portion of the North Branch, the 1990 population was estimated to be 135,000. Population density varied within the study area as the greatest densities occurred in the southern portion of the study area and lower densities were found in the northern portions. The average of the two NPIC scenarios projects a 15 percent population increase in municipalities within the Cook County portion of the North Branch watershed. The largest anticipated population increase (30%) is projected to occur in Glenview from 2000 to 2030 due to the redevelopment of the former naval air station (SMC 2007).

Although the Upper North Branch Chicago River Watershed in Lake County is considered a suburban/urban watershed that is fairly well built-out, it is still projected to have significant growth through 2020. Both forecast alternatives prepared by NIPC project significant increases in population for the North Branch watershed in Lake County. A comparison of the two NIPC forecasts shows an eight percent difference in projected increases for population, with Alternative 1 projected to be more conservative. Based on this scenario, the Lake County portion of the North Branch is expected to have a 48 percent increase in population by the year 2020. However, projected increases within the North Branch watershed are less than the 60% increases projected for Lake County as a whole (SMC 2007). The greatest increase is expected to occur in the village of Mettawa at a 289% in the western headwaters.

Figure 2-8: Upper North Branch Chicago River Population Projection



2.6 Climate and Precipitation

The climate in the North Branch of Chicago watershed is predominantly continental. Continental climates range greatly in temperature and exhibit high humidity levels. The proximity to Lake Michigan also influences the climate of the watershed by moderating temperature extremes.

In winter, total snowfall is generally heavy with an average annual snowfall of approximately 37.5 inches, and a minimum of 32 days during which there is at least one inch of snow on the ground. The average winter temperature is 25 degrees Fahrenheit with an average daily minimum of 17 degrees. The average summer temperature in the North Branch watershed is 71 degrees with an average daily maximum of 81 degrees. Average precipitation, more than half of which falls between May and September, is approximately 33 inches. The North Branch watershed is also subject to 'lake effect' winds from Lake Michigan which provide a cooling effect during the summer. Relative humidity is approximately 65 percent in the springtime and 72 percent the remainder of the year based on data collected at O'Hare International Airport (SMC 2007).

The climate significantly impacts conditions within the North Branch watershed as it can impact the frequency and timing of precipitation. Because more than half of the rainfall in the North Branch occurs from May to September, flood events in the watershed are more likely to occur during that time. Flood events in the North Branch watershed are also common in late winter through early spring during major snowmelts and/or rain events when the ground is still frozen (SMC 2007).

Warm summer temperatures and occasional long dry spells in the North Branch also impact water quality in the watershed. These conditions lead to shallow water depth, warm water temperatures and low dissolved oxygen in the three forks creating a potentially adverse environment for less tolerant fish and invertebrate species (SMC 2007).

Data used in this assessment originated from the Chicago Botanic Garden monitoring station which is located longitudinally central within the watershed and dates back to 1981. Based on these data, the mean high summer temperature is 80.6 degrees Fahrenheit and the mean low temperature in winter is 18.7 degrees Fahrenheit. Mean annual high temperatures are approximately 58 degrees Fahrenheit, while mean annual low temperatures are approximately 40 degrees Fahrenheit.

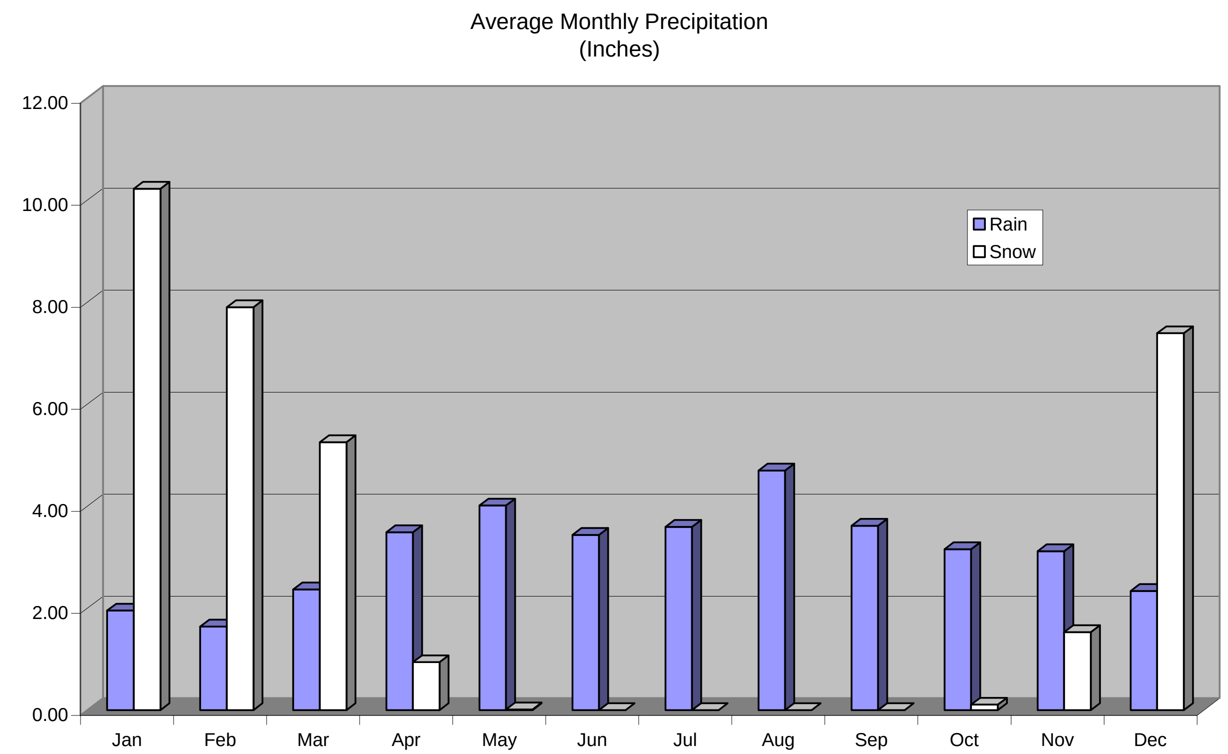
The mean monthly precipitation at the Chicago Botanic Garden from 1981 to 2009 can be found in Figure 2-9. The Botanic Garden receive the majority of precipitation during the spring and summer months, with most potential for precipitation occurring in August (4.7 inch average) and the least precipitation occurring in February (1.6 inches). Annual average total precipitation is approximately 37.5 inches.

Table 2-2: Temperature Characterization, Chicago Botanic Garden, IL (1981-2009)

	High (°F)	Low (°F)	High > 90 (°F)	Low < 32 (°F)	Mean (°F)
January	31.90	16.22	0.00	28.41	24.08
February	35.75	19.17	0.00	25.11	27.49
March	45.10	28.18	0.00	21.56	36.66
April	56.35	37.89	0.04	7.70	47.14
May	67.28	47.19	0.59	0.48	57.27
June	77.73	56.89	3.70	0.00	67.34
July	82.67	63.14	5.89	0.00	72.93
August	81.23	62.29	4.26	0.00	71.79
September	74.48	53.81	1.42	0.15	64.16
October	62.65	42.32	0.00	4.31	52.52
November	48.30	32.57	0.00	14.65	40.46
December	35.85	20.55	0.00	26.79	28.22
Annual	58.34	40.05	14.76	121.38	49.21
Spring	56.24	37.75	0.21	9.91	47.02
Summer	80.55	60.77	4.62	0.00	70.69
Fall	61.81	42.90	0.47	6.37	52.38
Winter	34.50	18.65	0.00	26.77	26.60

Annual/seasonal values may differ from the sum of the monthly values due to rounding.
Source: www.sws.uiuc.edu/atmos/statecli

Figure 2-9: Mean Monthly Precipitation at Chicago Botanic Garden, IL (1981-2009)



Average precipitation derived from averages from Chicago Botanic Garden datasets dating 1981-2009
Source: Illinois State Climatologist Office
www.isws.illinois.edu/atmos/statecli

2.7 Hydrology

Understanding how water moves and flows is an important component of understanding a watershed. All of the parameters listed in the previous sections (i.e. topography, soils, and precipitation) impact hydrology. *Hydrology* refers to the way that water behaves from its origins as precipitation, through its movement on or beneath the surface of the earth, to its entry into sewers, streams, lakes, oceans and its eventual return to the atmosphere. More specifically for the North Branch, a hydrological assessment attempts to model how much precipitation falls in the watershed, what volume ends up in the river and the rate that it is discharged at critical locations. *Hydraulics* addresses how water flows over the land surface, within sewers and stream channels, over and under bridges and dams and through culverts, wetlands, lakes and impoundments (detention basins and reservoirs). (SMC 2007)

Prior to extensive land settlement, most of the precipitation was intercepted by vegetation or was stored in the depressional wetlands and floodplains of the watershed. Under natural conditions the river channels had less water to transport, however, they were generally wider and more shallow (more marsh-like) than they are today. In the late 1800s and early 1900s, wetlands and other poorly drained lands in the watershed were tiled to improve drainage for agriculture. The channels of the river were subsequently straightened and ditched in the early 1900s to better collect and transport the increased drainage from the land. Suburbanization of the watershed throughout the 1900s has resulted in improved drainage to the land, and North Branch hydrology continues to change as farmland and open space is converted to residences and businesses. (SMC 2007)

Like many other urban watersheds, large-scale drainage of wetlands, substantial increases in impervious surface, and drain tile and storm sewer drainage improvements in the North Branch have resulted in a watershed with an extremely flashy hydrology and very little stormwater storage capacity. A “flashy” hydrology means that the water level in the river goes up very quickly during a storm and down quickly afterward.

Hydrological data available from the USGS website (www.usgs.gov, 2008) were used. The USGS maintains stream gages throughout the U.S. and they monitor conditions such as gage height and stream flow, and at some locations, precipitation. Two gages chosen within the Upper North Branch Chicago River Watershed maintain stream flow or discharge information: Skokie River near Highland Park, IL (05535070) and North Branch Chicago River at Albany Avenue in Chicago, IL (05536105). The Skokie River gage is located immediately above the Skokie Lagoons in the northeastern portion of the watershed. The North Branch Chicago River gage is located in the south central portion of the watershed at the confluence with the North Shore Channel. Figure 2-10 shows the location of these two USGS gages, and others, throughout the watershed. Complete summaries of watershed USGS stations follow in Tables 2-2 to 2-7.

Figure 2-11 depicts the stream flow measured at Skokie River for the period ranging from 1967 to 2007. This gage has a drainage area of 21.1 square miles. The highest stream flow amounts at Skokie River were measured in April at 37.0 cfs while the lowest amounts were measured in October (14.8 cfs). Overall the highest stream flow for this gage occurs during the late winter and spring months, while low flows occur during the fall. The annual stream flow for the Grass Lake gage is approximately 22.1 cfs.

The North Branch Chicago River gage has been active since 1989 and drains an area of 113 square miles. Over these years the average stream flow of the North Branch Chicago River was 132.8 cfs. Please refer to Figure 2-12 for mean monthly stream flow measured at this gage. Unlike the Skokie River gage, stream flows are highest in the late winter and spring months, with lower flows in the fall. The highest flows occurred in March (186.9 cfs) while September had the lowest flows (88.1 cfs).

Eagle Lake was created in 1906 by dredging and damming a wetland area. It is owned by the Lake Forest Academy and there is no public access. There are three private houses on the lake with access. Surface area is approximately 22 acres which consists of 2 lobes (east and west lobes). The volume is 108.5 acre feet with a maximum depth of 10 feet for the east lobe/7.5 feet for the west and an average depth of 5 feet.

Skokie Lagoons are 7 interconnected lagoons developed for flood control and recreational activities. This area was swampland called “the Skokie Marsh” that was partially drained for farming purposes. The soil then dried to peat after farming was unsuccessful and floods during spring rains. The Cook County Forest Preserve District bought the peat marsh and the impoundments were constructed during 1933- 1942. The Civilian Conservation Corps excavated 4 million cubic yards of soil to create the lagoons. The main control structure for the lagoons is the Willow Road Dam, located at the downstream end near Willow Road. Below this dam, three intermediate low head dams were constructed to maintain water pools.

Chicago Botanic Garden is a 75 acre lagoon system just north of the Skokie Lagoons. It was part of the Skokie Marsh that has been transformed. It has nine islands surrounded by eight lagoons and lakes and 6.4 miles of shoreline. The Chicago Horticultural Society started work on the botanic garden around 1965. The garden along with the Forest Preserve District negotiated with the village of Northbrook to tap into a water main running from Lake Michigan to the Northbrook filtration plant on an off-peak basis for irrigation in dry periods and to maintain the lagoons in the garden (Hill 2000). For two years, the gardens were created.

Figure 2-10: Upper North Branch Chicago River Watershed USGS Gaging Stations

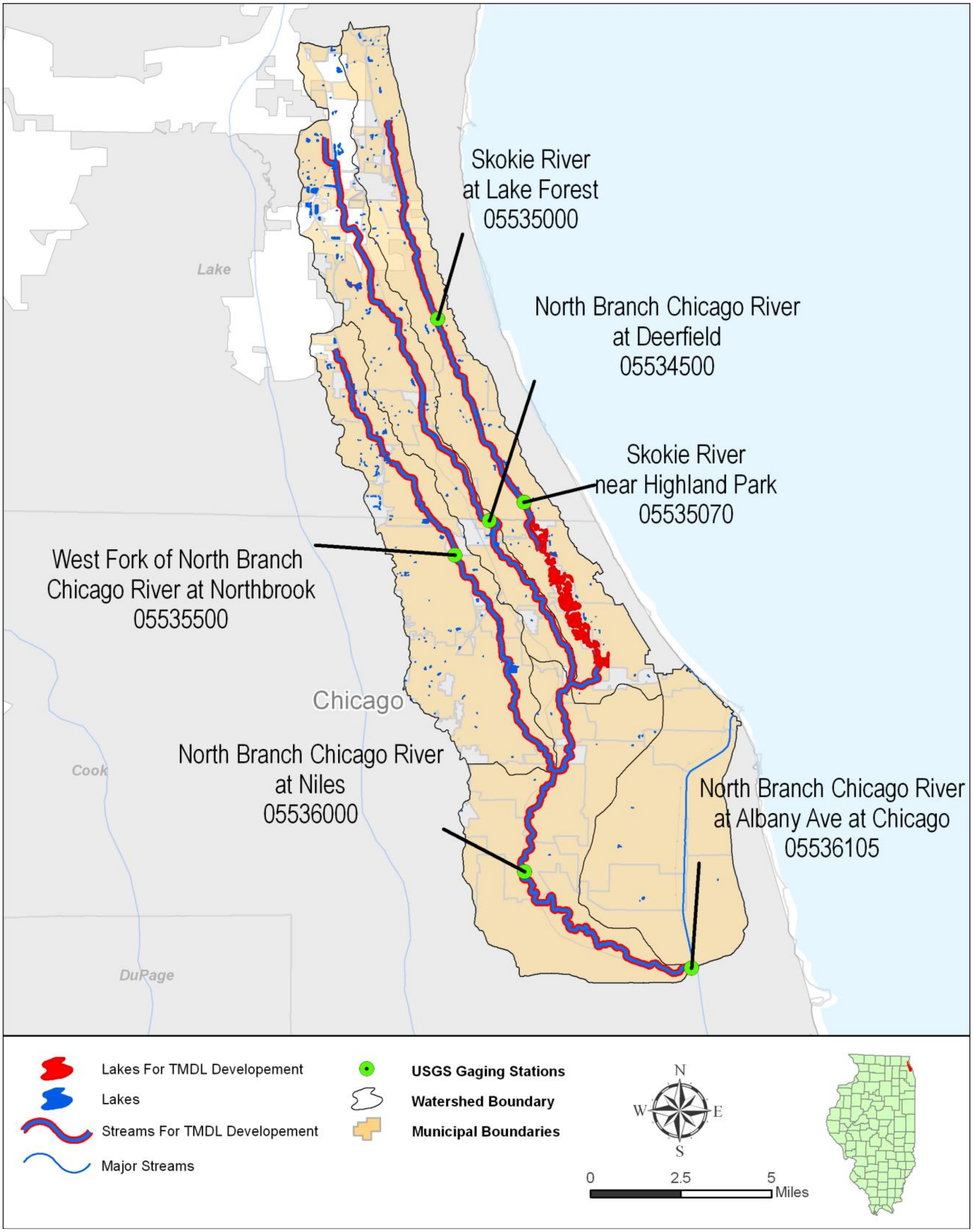


Table 2-3: USGS Daily Flow Data

USGS Gage	Location	Drainage Area (Sq. Miles)	Data Begin Date	Data End Date
05534500	North Branch Chicago River at Deerfield, IL	19.7	8/1/1952	Present
05535000	Skokie River at Lake Forest, IL	13	10/1/1951	Present
05535070	Skokie river Near Highland Park, IL	21.1	8/21/1967	Present
05535500	WF of NB Chicago River at Northbrook, IL	11.5	8/8/1952	Present
05536000	North Branch Chicago River at Niles, IL	100	10/1/1950	Present
05536105	NB Chicago River at Albany Avenue	113	10/1/1989	Present

Figure 2-11: Mean Monthly Flow for Skokie River near Highland Park, IL USGS Station 1967-2007

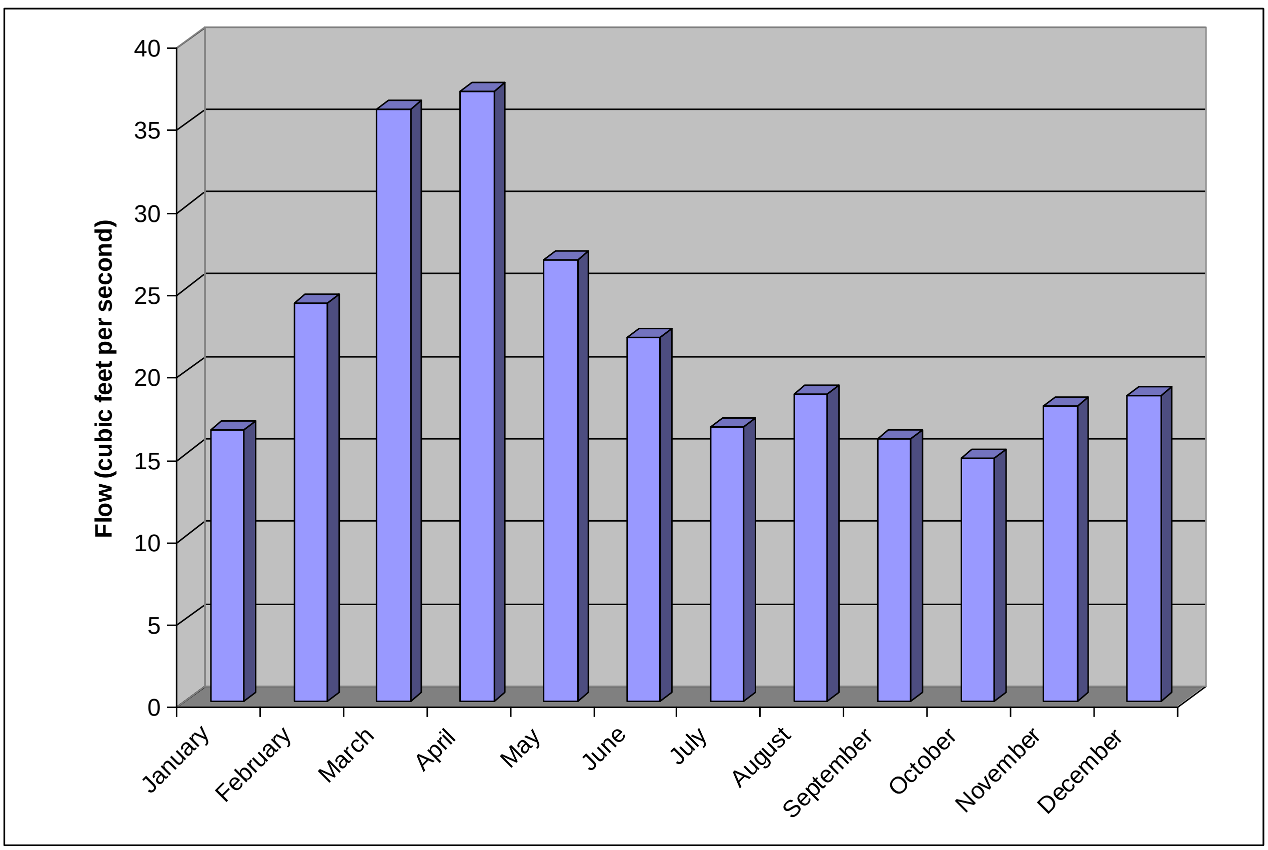
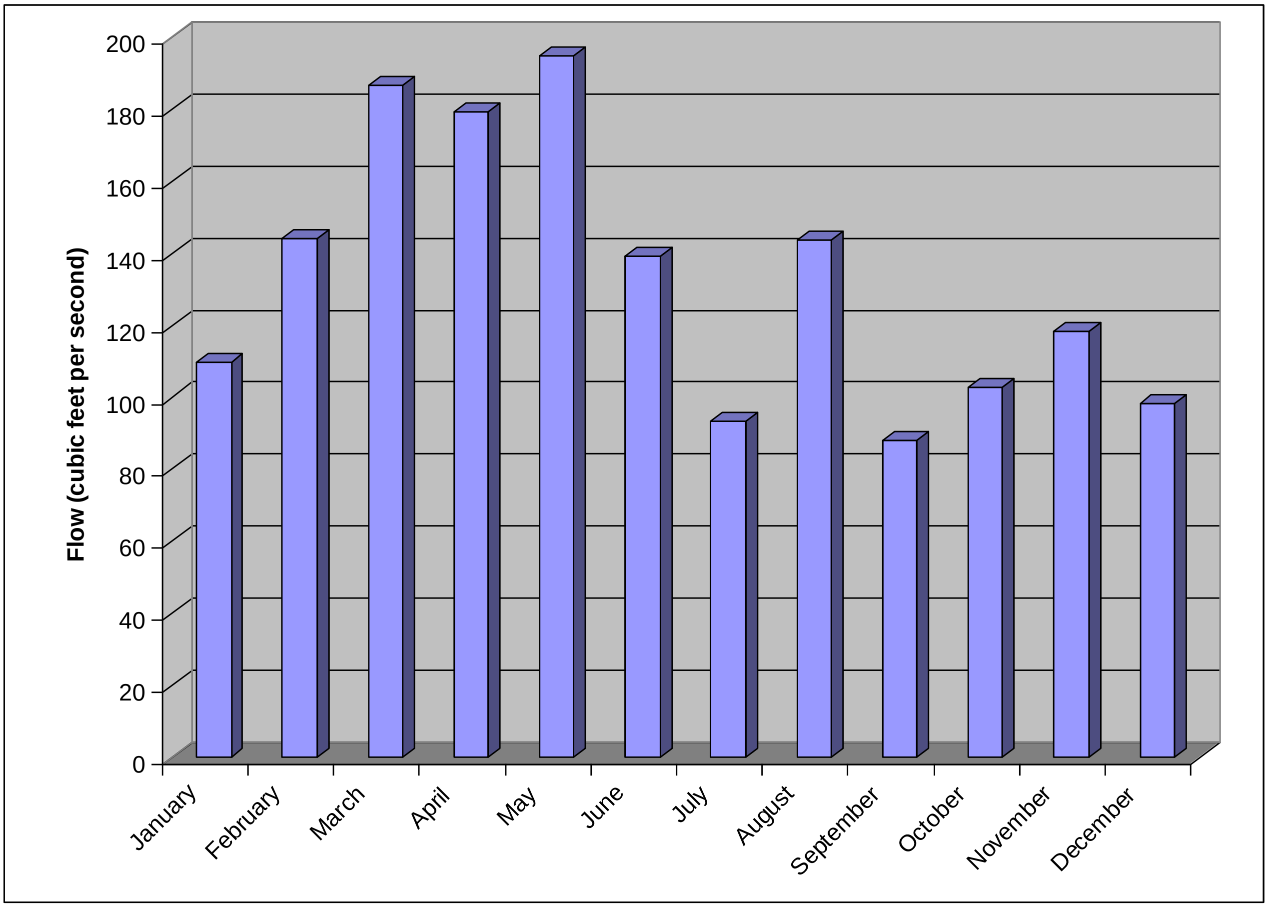


Figure 2-12: Mean Monthly Flow for North Branch Chicago River at Albany Avenue in Chicago, IL USGS Station 1989-2007



2.8 Hydraulic Structures

Hydraulic structures on the North Branch of the Chicago River include seven flood control reservoirs, Lake Eleanor on the West Fork in Lake County and the Skokie Lagoons on the Skokie River in Cook County as indicated on Figure 2-13. The seven existing flood control reservoirs on the Middle and West Forks of the river are:

West Fork

- Structure 27 - Bannockburn Reservoir (Duffy Lane)
- Structure 29A - Deerfield Reservoir
- Structure 32A – Northbrook Reservoir
- Structure 32B – Techny Reservoir
- Structure 32C – Glenview Reservoir

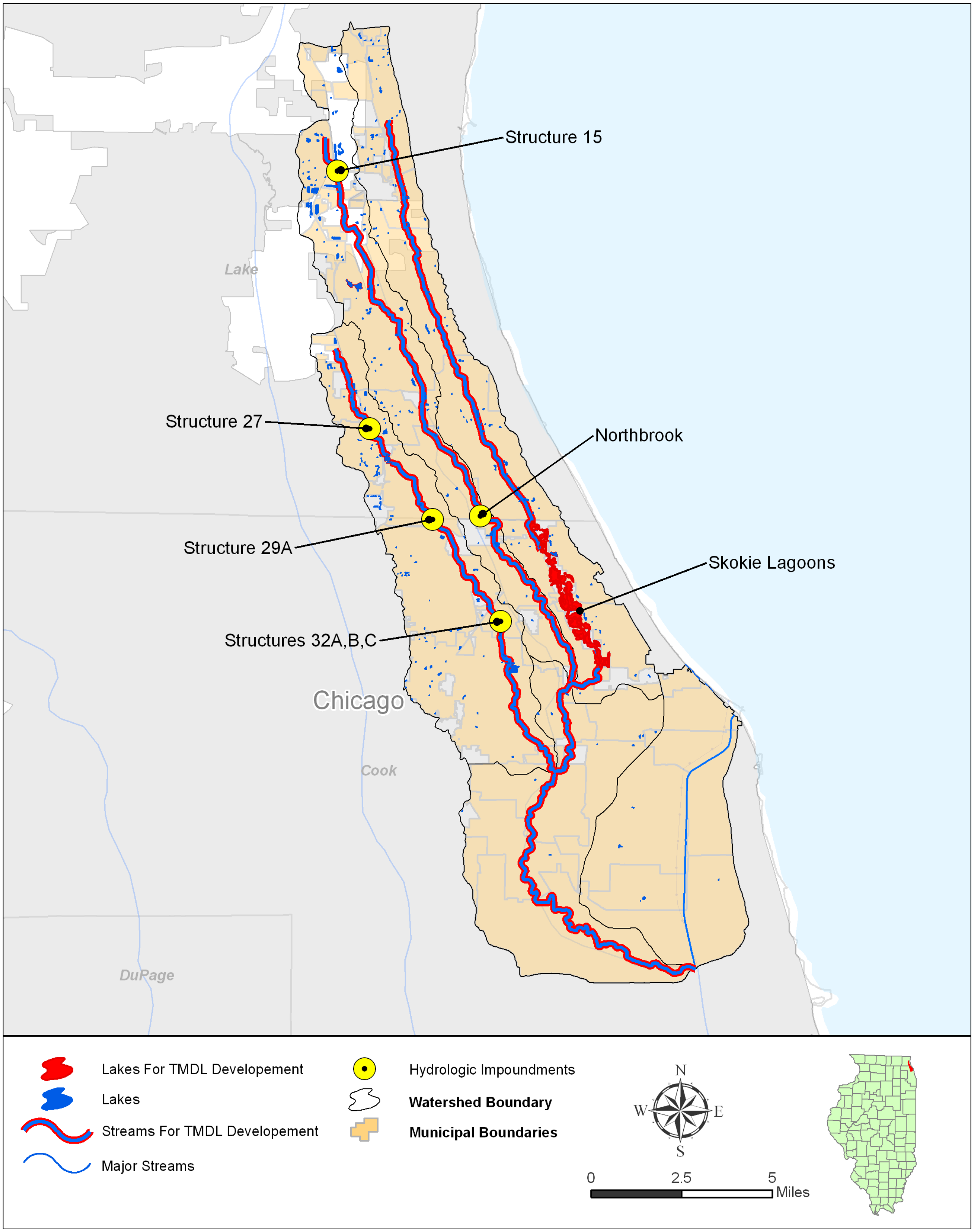
Middle Fork:

- Structure 15 – Atkinson Road Reservoir (Green Oaks)
- Middle Fork of the North Branch Reservoir (Northbrook)

Three of these reservoirs provide flood protection to Lake County. They are designed to store floodwater in excess of a bypass rate until river stages have decreased, and then the stored water is pumped back to the river. While these reservoirs have provided downstream flood protection, all three have caused backwater flooding to varying degrees. A recent US Army Corps of Engineers (USACE) study found that design modifications for Reservoirs 27 and 29A would remedy this problem. A brief description of each of the Lake County reservoirs follows:

- Structure 15 is a 500-acre-foot reservoir constructed on the Middle Fork at Atkinson Road on the eastside of the Tri-State Toll way (I-94). This structure provides downstream flood relief to unincorporated Lake County, Lake Forest and Cook County. According to the engineer for the Village of Green Oaks (located west of Toll way), some residential flooding persists upstream of the reservoir along a tributary. This area requires further assessment for flood mitigation opportunities, one of which could include improved drainage system maintenance. The assessment should include as-built conditions to determine potential structural improvements to reduce backwater flooding from the reservoir.
- Structure 27 is a 525-acre-foot reservoir constructed on the West Fork just east of I-94 and south of Duffy Lane. This structure provides downstream flood relief to Lincolnshire, Bannockburn and Deerfield, but has created backwater flood damage in Riverwoods. Lowering of the emergency spillway is the modification proposed to remedy backwater flood damage.
- Structure 29A is a 575-acre-foot reservoir constructed on the West Fork at Lake–Cook Road. This structure provides flood relief to Deerfield, Northbrook and Glenview, but has also created backwater flood damage in Deerfield. Modifications to this reservoir include opening up the second by-pass culvert to increase stream flow, and lowering the inlet and emergency overflow spillways (SMC 2007).

Figure 2-13: Upper North Branch Chicago River Hydrologic Structures



3.0 Public Participation and Involvement

The Illinois EPA is committed to keeping the watershed stakeholders and general public informed and involved throughout the TMDL process. Success for any TMDL implementation plan relies on a knowledgeable public to assist in follow-through required for attainment of water uses within their watershed. It is important to engage the local citizens as early in the process as possible by providing opportunities to learn and process information. This ensures that concerns and issues are identified at an early stage, so that they can be addressed and facilitate maximum cooperation in the implementation of the recommended courses of actions identified in the TMDL process. All stakeholders should have access to enough information to allay concerns, gain confidence in the TMDL process and understand the purpose and the regulatory authority or other responsible party that will implement recommendations.

Illinois EPA, along with AECOM, will hold up to four public meetings within the Upper North Branch Chicago River Watershed throughout the course of TMDL development. The first meeting was held May 26, 2009, in Deerfield, IL, to present the findings of Stage 1. The public was able to comment on the Stage 1 Report over the 30 day period that followed. This report has addressed the comments received by IL EPA. This section will continue to be updated after additional public meetings occur.

General information regarding the process of TMDL development in Illinois can be found at http://www.epa.state.il.us/water/tmdl. This link also contains paths to public meetings and other TMDL related watershed information for the entire state of Illinois.

Background information about watersheds, watershed management, best management practices and the Clean Water Act (CWA) can be found on the EPA's water website at http://www.epa.gov/watertrain/.

4.0 Water Quality Standard and TMDL Targets

Water pollution control programs are designed to protect the beneficial uses of the water resources of the state. Each state has the responsibility to set water quality standards that protect these beneficial uses, also called “designated uses.” Illinois waters are designated for various uses including aquatic life, primary contact (e.g., swimming, water skiing), secondary contact (e.g., boating, fishing), industrial use, drinking water, food-processing water supply and aesthetic quality. Illinois’ water quality standards provide the basis for assessing whether the beneficial uses of the state’s waters are being attained.

4.1 Illinois Pollution Control Program

The Illinois Pollution Control Board (IPCB) is responsible for setting WQS to protect designated uses. The federal Clean Water Act requires the states to review and update WQS every three years. Illinois EPA, in conjunction with USEPA, identifies and prioritizes those standards to be developed or revised during this three-year period. The IPCB has established four primary sets (or categories) of narrative and numeric water quality standards for surface waters: general use; public and food processing; secondary contact and indigenous aquatic life; and Lake Michigan basin standards. Each set of standards is intended to help protect various designated uses established for each category.

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. These responsibilities were subsequently assumed by the Illinois Department of Energy and Natural Resources who, in July 1995, became part of the Illinois Department of Natural Resources. The Illinois WQS are established in the Illinois Administrative Rules Title 35, Environmental Protection; Subtitle C, Water Pollution; Chapter I, Pollution Control Board; Part 302, Water Quality Standards.

Water resource management activities involving interstate waters are also coordinated with various interstate committees and commissions. The Illinois EPA participates in water-resource management activities of the Association of State and Interstate Water Pollution Control Administrators, International Joint Commission of the Great Lakes Water Quality Board, Ohio River Valley Water Sanitation Commission, Upper Mississippi River Conservation Committee, Upper Mississippi River Basin Association, Council of Great Lakes Governors, and other interstate committees and commissions.

4.2 Designated Uses

The waters of Illinois are classified by designated uses assessed in 2008 as shown in Table 4-1. Designated uses applicable to the Upper North Branch Chicago River Watershed include: aesthetic quality, aquatic life, primary contact, and fish consumption. The corresponding water quality standard classification for these designated uses is the General Use Standard.

Table 4-1: Illinois Designated Uses and Applicable Water Quality Standards

Illinois EPA Designated Uses	Illinois Waters where Designated Use and Standards Apply	Applicable Illinois Water Quality Standards
Aquatic Life	Streams, Inland Lakes	General Use Standards
	Lake Michigan Basin waters	Lake Michigan Basin Standards
Aesthetic Quality	Inland Lakes	General Use Standards
	Lake Michigan Basin Waters	Lake Michigan Basin Standards
Indigenous Aquatic Life	Specific Chicago area Waters	Secondary Contact and Indigenous Aquatic Life Standards

Illinois EPA Designated Uses	Illinois Waters where Designated Use and Standards Apply	Applicable Illinois Water Quality Standards
Primary Contact	Streams, Inland Lakes	General Use Standards
	Lake Michigan Basin Waters	Lake Michigan Basin Standards
Secondary Contact	Streams, Inland Lakes	General Use Standards
	Lake Michigan Basin Waters	Lake Michigan Basin Standards
	Specific Chicago area Waters	Secondary Contact and Indigenous Aquatic Life Standards
Public and Food Processing Water Supply	Streams, Inland Lakes, Lake Michigan basin Waters	Public and Food Processing Water Supply Standards
Fish Consumption	Streams, Inland Lakes	General Use Standards
	Lake Michigan Basin Waters	Lake Michigan Basin Standards
	Specific Chicago Area Waters	Secondary Contact and Indigenous Aquatic Life Standards

The General Use classification is defined by IPCB as: The General Use standards 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. Primary contact uses are protected for all General Use waters whose physical configuration permits such use.

4.3 Applicable Illinois Water Quality Standards

Aquatic life use assessments in streams are typically based on the interpretation of biological information, physicochemical water data and physical-habitat information from the Intensive Basin Survey, Ambient Water Quality Monitoring Network or Facility-Related Stream Survey programs as described previously. The primary biological measures used are the fish Index of Biotic Integrity (fIBI) the new macroinvertebrate Index of Biotic Integrity (mIBI) and the Macroinvertebrate Biotic Index (MBI). Physical-habitat information used in assessments includes quantitative or qualitative 53 measures of stream-bottom composition and qualitative descriptors of channel and riparian conditions. Physicochemical water data used include measures of “conventional” parameters (e.g., dissolved oxygen, pH, temperature), priority pollutants, non-priority pollutants, and other pollutants. Physicochemical data (from water and sediment) and habitat information play primary roles in identifying potential causes and sources of *aquatic life* use impairment. If a water is less than full-support for aquatic life designated use, chemical data is analyzed for impairment. Refer to the Illinois Integrated Water Quality Report for assessment methodology information- http://www.epa.state.il.us/water/tmdl/303-appendix/2008/2008-final-draft-303d.pdf.

Table 4-2: Biological Indices for Impairment Characterization

	No Impairment	Moderate Impairment	Severe Impairment
Biological Indicator	**Fully Supporting *Aquatic Life* Use (Good Resource Quality)**	**Not Supporting *Aquatic Life* Use (Fair Resource Quality)**	**Not Supporting *Aquatic Life* Use (Poor Resource Quality)**
Fish Index of Biotic Integrity (fIBI,)	fIBI $\geq$ 41	fIBI < 41 and > 20	fIBI $\leq$ 20
Macroinvertebrate Index of Biotic Integrity (mIBI)	mIBI $\geq$ 41.8	mIBI < 41.8 and > 20.9	mIBI $\leq$ 20.9
Macroinvertebrate Biotic Index[1] (MBI)	MBI $\leq$ 5.9	MBI > 5.9 and $\leq$ 8.9	MBI > 8.9

1. When the mIBI is available, the MBI is not used independently to assess attainment of *aquatic life* use.

Table 4-3: Summary of Applicable Biological Assessments Performed in the Upper North Branch Chicago River Watershed

Segment	Date	mIBI	MBI	IBI
HCC-07	2001	22.3	7.2	
HCC-07	2001	30.9	6.5	
HCC-07	1996			14
HCCB-05	2001	23.2	5.9	
HCCB-05	2001	18.6	6	
HCCC-02	2001	11.8	7.7	
HCCC-02	2001	18.6	6	
HCCC-04	2001		6.3	16
HCCC-04	2006			13
HCCD-09	2001		5.9	20
HCCD-09	2006			20

To make 303(d) listing determinations for aquatic life uses, Illinois EPA first collects biological data, as indicated above, and if these data suggest that impairment to aquatic life exists, then a comparison of available water quality data with WQS occurs. Tables 4-2 and 4-3 summarize the potential impairments and standards that apply to streams and lakes within the Upper North Branch Chicago River Watershed.

Table 4-4: Summary of Water Quality Standards for Potential Impairments of Stream Segments in the Upper North Branch Chicago River Watershed

Parameter	Units	General Use Water Quality Standard
Chloride	mg/L	500
Dissolved Oxygen	mg/L	**For most waters[1]:** March-July > 5.0 min. & > 6.0- 7-day mean[1] Aug-Feb > 3.5 min, > 4.0- 7-day mean[1], & > 5.5- 30-day mean[1]. **For waters with enhanced protection[1]:** March-July > 5.0 min & > 6.25- 7-day mean[1] Aug-Feb > 4.0 min, > 4.5- 7-day mean[1], & > 6.0- 30-day mean[1].
Fecal Coliform	count/100 mL	May – October 200[2], 400[3]
Manganese	mg/L	1.0

Parameter	Units	General Use Water Quality Standard
pH	none	within the range of 6.5 – 9.0 except for natural causes
Phosphorus – Total[5]	mg/L	0.05
Temperature	Deg Celsius	December – March 16[4] April – November 32[4]

1. Applies to the dissolved oxygen concentration in the main body of all streams, in the water above the thermocline of thermally stratified lakes and reservoirs, and in the entire water column of unstratified lakes and reservoirs. Additional dissolved oxygen criteria are found in 35 Ill Adm. Code 302.206, including the list of waters with enhanced dissolved oxygen protection and methods for assessing attainment of dissolved oxygen minimum and mean values.
2. Geometric mean based on a minimum of 5 samples taken over not more than a 30 day period.
3. Standard shall not be exceeded by more than 10% of the samples collected during any 30 day period.
4. Standard shall not be exceeded by more than 1% of the hours in the 12-month period ending with any month. Moreover, at no time shall the standard be exceeded by more than 1.7 Deg C.
5. Standard applies in particular inland lakes and reservoirs (greater than 20 acres) and in any stream at the point where it enters any such lake or reservoir.

Due to limited state resources, fecal coliform bacteria is not normally sampled at a frequency necessary to apply the General Use standard, i.e., at least five times per month during May through October, and very little data available from others are collected at the required frequency. Therefore, assessment guidelines are based on application of the standard when sufficient data is available to determine standard exceedances; but, in most cases, attainment of *primary contact* use is based on a broader methodology intended to assess the likelihood that the General Use standard is being attained. To assess *primary contact* use, Illinois EPA uses all fecal coliform bacteria from water samples collected in May through October, over the most recent five-year period (i.e., 2002 through 2006). Based on these water samples, geometric means and individual measurements of fecal coliform bacteria are compared to the concentration thresholds in Table C-16. To apply the guidelines, the geometric mean of fecal coliform bacteria concentration is calculated from the entire set of May through October water samples, across the five years. No more than 10% of all the samples may exceed 400/100 ml for a water body to be considered Fully Supporting.

Table C-16. Guidelines for Assessing *Primary Contact* Use in Illinois Streams and Inland Lakes.

Degree of Use Support	Guidelines
Fully Supporting (Good)	No exceedances of the fecal coliform bacteria standard in the last five years and the geometric mean of all fecal coliform bacteria observations ≤200/100 ml, and ≤10% of all observations exceed 400/100 ml.
Not Supporting (Fair)	One exceedance of the fecal coliform bacteria standard in the last five years (when sufficient data is available to assess the standard) or The geometric mean of all fecal coliform bacteria observations in the last five years ≤200/100 ml, and >10% of all observations in the last five years exceed 400/100 ml or The geometric mean of all fecal coliform bacteria observations in the last five years >200/100 ml, and ≤25% of all observations in the last five years exceed 400/100 ml.
Not Supporting (Poor)	More than one exceedance of the fecal coliform bacteria standard in the last five years (when sufficient data is available to assess the standard) or The geometric mean of all fecal coliform bacteria observations in the last five years >200/100 ml, and >25% of all observations in the last five years exceed 400/100 ml

4.4 TMDL Targets

In order for a water body to be listed as Full Support, it must meet all of its applicable designated uses. Because WQS are designed to protect those designated uses a pollutant's numeric WQS is therefore used as the endpoint for establishing a TMDL. Table 4-2 summarizes the endpoints that will be used in the TMDL development for the Upper North Branch Chicago River Watershed.

Table 4-5: TMDL Targets for Impaired Waterbodies in the Upper North Branch Chicago River Watershed

Segment ID	Waterbody Name	Impairment	TMDL Target	Units
IL_HCC-07	N. Br. Chicago R.	Chloride	<500	mg/L
		Fecal Coliform	<200	cfu/100 ml
		Dissolved Oxygen	*	mg/L
		pH	6.5-9.0	s.u.
IL_HCCB-05	W. Fk. N. Br. Chicago R.	Chloride	<500	mg/L
		Fecal Coliform	<200	cfu/100 ml
		Dissolved Oxygen	*	mg/L
IL_HCCC-02	Mid. Fk. N. Br. Chicago r.	Chloride	<500	mg/L
		Fecal Coliform	<200	cfu/100 ml
		Dissolved Oxygen	*	mg/L
		Manganese	<1.0	mg/L
IL_HCCC-04	Mid. Fk. N. Br. Chicago R.	Chloride	<500	mg/L
		Fecal Coliform	<200	cfu/100 ml
		Dissolved Oxygen	*	mg/L
		pH	6.5-9.0	s.u.
		Temperature	Dec – Mar <17.7 Apr – Nov <33.7	Deg C
IL_HCCD-01	Skokie R.	Fecal Coliform	<200	cfu/100 ml
		Dissolved Oxygen	*	mg/L
		pH	6.5-9.0	s.u.
IL_HCCD-09	Skokie R.	Fecal Coliform	<200	cfu/100 ml
		pH	6.5-9.0	s.u.
IL_RHJ	Skokie Lagoons	Total Phosphorus	<0.05	mg/L
IL_RHJA	Chicago Botanic Garden	Total Phosphorus	<0.05	mg/L
IL_UHH	Eagle Lake	Total Phosphorus	<0.05	mg/L

*Please refer to Table 4-2 for the dissolved oxygen standard

5.0 Water Quality Assessment

This section discusses the pollutants of concern for the Upper North Branch Chicago River Watershed. The available water quality data were analyzed, assessed, and compared with WQS to verify the impairments of the 6 stream segments and 3 lakes. The water quality conditions in the watershed were evaluated by sampling location and time variation. Available point and non-point source data were also assessed and discussed in more detail in the remainder of the section

5.1 Water Quality Data

The Upper North Branch Chicago River Watershed has 9 impaired waters within its drainage area. Figure 5-1 shows the water quality data stations within the watershed that contain data relevant to the impaired segments. The following sections address both stream and lake impairments.

Data analysis was focused on all available data collected since the year 2000. The information presented in this section is a combination of both legacy and modernized USEPA Storage and Retrieval (STORET) database and data from the Illinois EPA database, Metropolitan Water Reclamation District of Greater Chicago (MWRDGC), and Lake County. Table 5-1 contains the monitoring entities for each water segment.

Data relevant to impairments were compiled for each impaired waterbody and summarized. The following parameters were grouped by impairment and discussed in relation to the relevant Illinois numeric WQS. For all assessments, compliance was determined at the surface of a stream or at the one-foot depth from the lake surface.

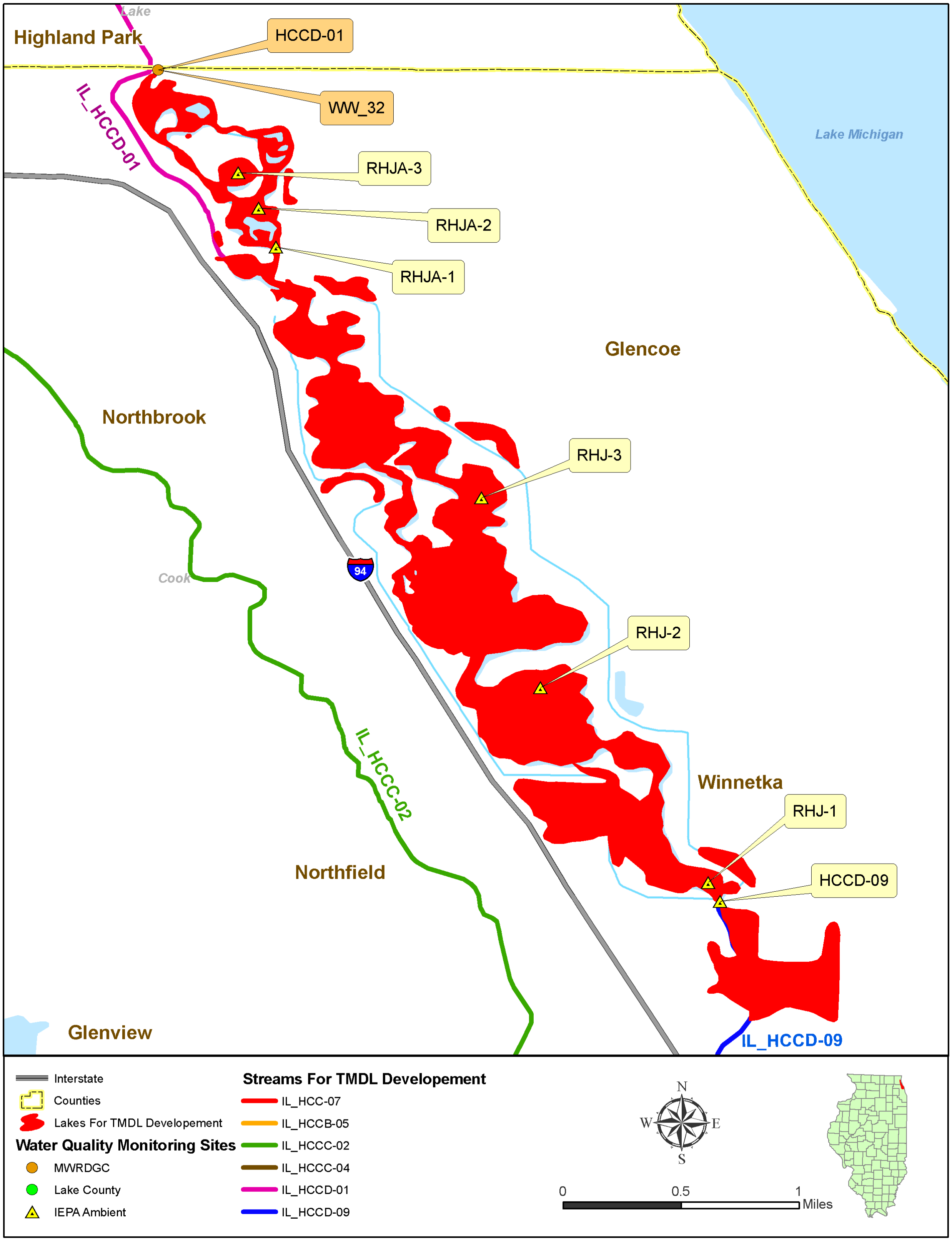
Table 5-1: Monitoring Station Information

Segment	Parameter	Entity
HCC-07	Chloride	IEPA, MWRDGC
HCC-07	DO	IEPA, MWRDGC
HCC-07	Fecal	IEPA, MWRDGC
HCC-07	pH	IEPA, MWRDGC
HCCB-05	Chloride	IEPA, MWRDGC
HCCB-05	DO	IEPA, MWRDGC
HCCCB-05	Fecal	IEPA, MWRDGC
HCCC-02	Chloride, Mn	IEPA, MWRDGC
HCCC-02	DO	IEPA, MWRDGC
HCCC-02	Fecal	IEPA, MWRDGC
HCCC-04	Chloride	IEPA, MWRDGC
HCCC-04	DO	IEPA, MWRDGC
HCCC-04	Fecal	IEPA, MWRDGC
HCCC-04	pH	IEPA, MWRDGC
HCCC-04	Temperature	IEPA, MWRDGC

Segment	Parameter	Entity
HCCD-01	DO	IEPA, MWRDGC
HCCD-01	Fecal	IEPA, MWRDGC
HCCD-01	pH	IEPA, MWRDGC
HCCD-09	Fecal	IEPA, MWRDGC
HCCD-09	pH	IEPA, MWRDGC
RHJ	Phosphorus	IEPA
RHJA	Phosphorus	IEPA
UHH	Phosphorus	Lake County

Figure 5-1: Monitoring Stations Used for Assessing Impairments

Figure 5-2: Monitoring Stations Used for Assessing Impairments, Skokie Lagoons and Chicago Botanic Garden Detail



5.1.1 Fecal Coliform

Data summarized in Table 5-2 is the most recent data, ranging from 1999 to 2007. The distribution of fecal coliform for each impaired segment in the Upper North Branch Chicago River Watershed, including all historic data, is presented in Figures 5-2 to 5-4. The WQS for fecal coliform only applies from May to October and is a 200 cfu/100ml geometric mean based on a minimum of five samples taken over any 30 day period or a 400 cfu/100ml maximum not to be exceeded in more than 10% of samples taken during any 30 day period. Considering that the frequency of available data does not meet five samples in a 30 day period, the 200 cfu/100ml geometric mean will by used as the target as it is a more conservative value.

Table 5-2: Recent Fecal Coliform Data Summary

Segment	Stations	Data Years	No. of Samples	Violations >200	Violations >400	Min	Max	Average
NB Chicago R HCC-07	HCC-07 WW_34, 96	1999-2007	196	186	166	88	100000	3536
WF NB Chicago R HCCB-05	WW_106	2001-2007	49	47	41	140	21000	2476
MF NB Chicago R HCCC-02	HCC-02 WW_31	1999-2007	115	107	92	90	728000	9154
MF NB Chicago R HCCC-04	WW_103, 104	2001-2007	131	119	100	60	54000	2219
Skokie R HCCD-01	HCCD-01 WW_32	2001-2007	67	58	49	40	26000	2317
Skokie R HCCD-09	WW_105	2001-2007	74	36	20	9	21000	653

Figure 5-3: Fecal Coliform Distribution 1970 to 2007

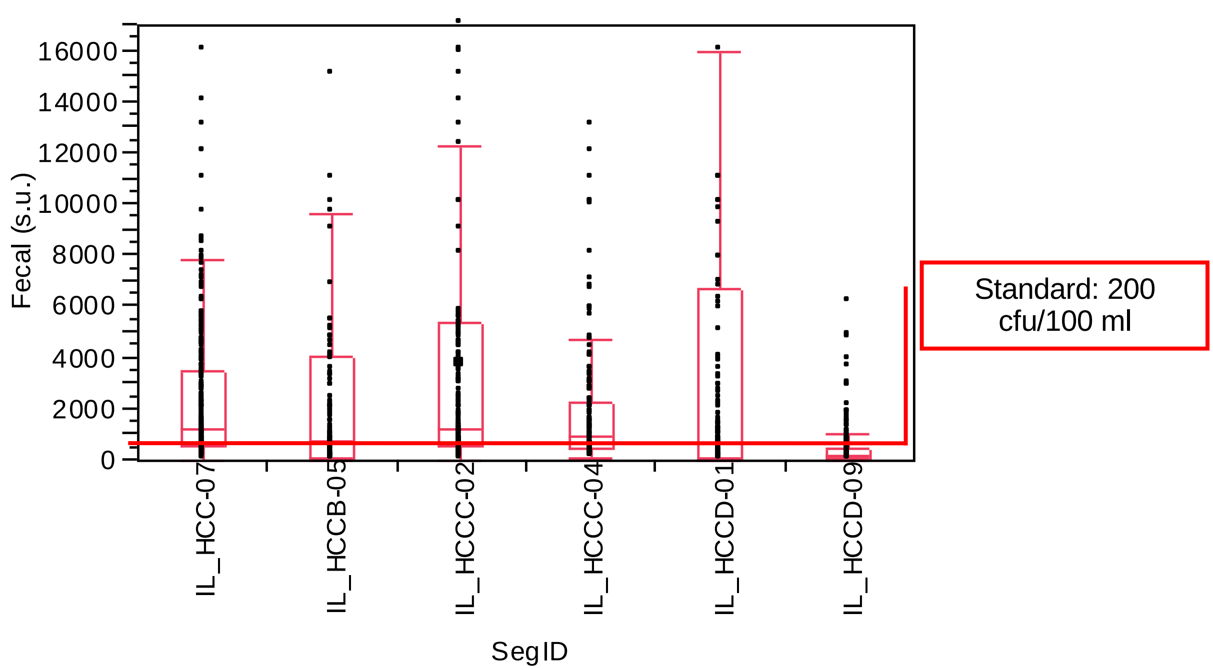


Figure 5-4: Fecal Coliform Time Series for HCCB-05, HCCC-02 and HCCD-01

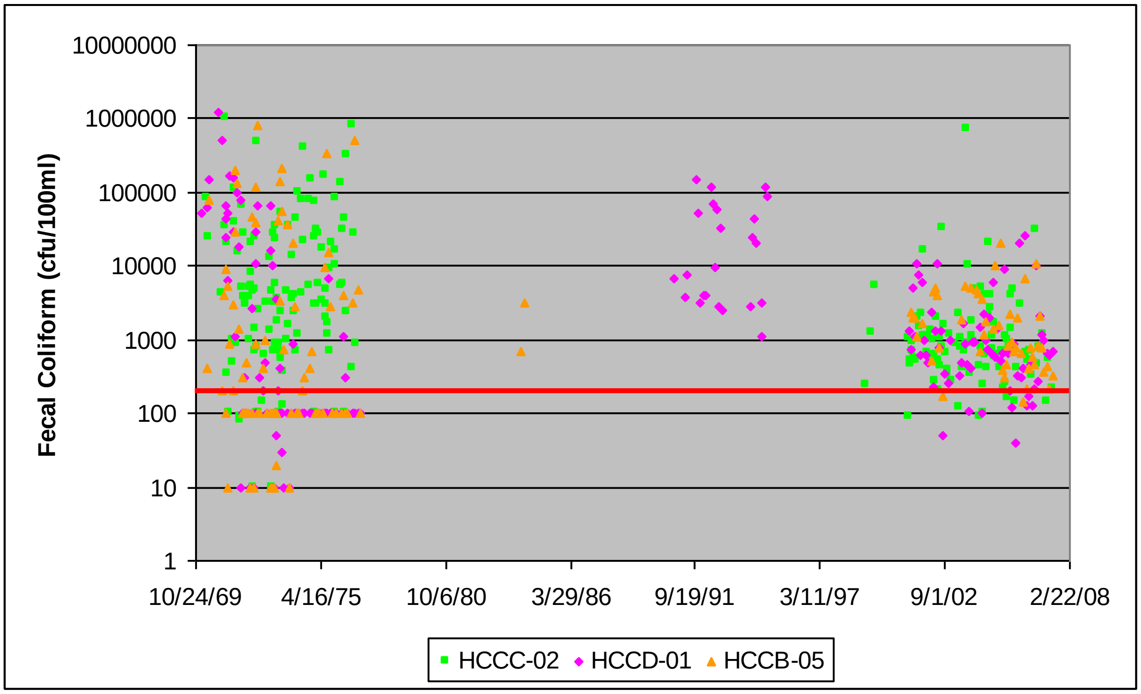
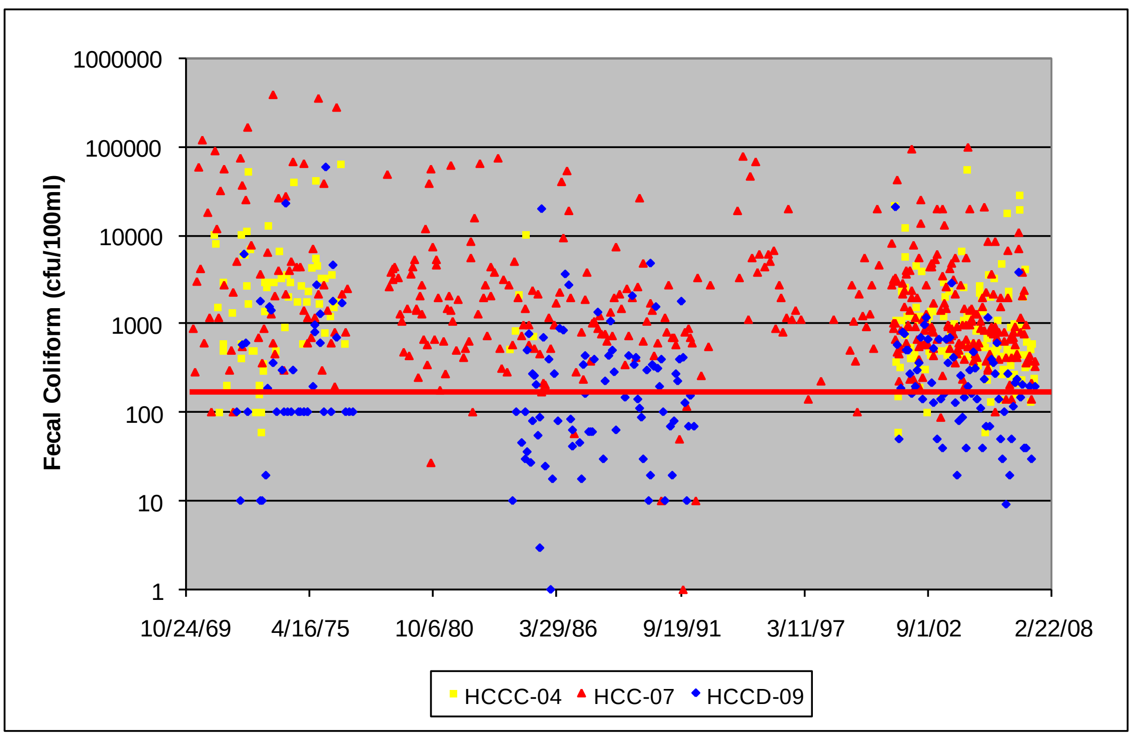


Figure 5-5: Fecal Coliform Time Series for HCC-07, HCCC-04, and HCCD-09



5.1.2 Dissolved Oxygen

The WQS for DO is a 5.0 mg/L instantaneous minimum for March through July and 3.5 mg/L for August through February. Five waterbody segments were determined to be impaired for low DO based on this criterion. Table 5-3 summarizes recent DO data since 1999. Data used for assessments and Figures 5-5 to 5-7 ranged from 1964 to 2007. DO concentration time series for impaired segments HCCB-05, HCCC-02 and HCCD-01 in the Upper North Branch Chicago River Watershed are presented in Figure 5-6. Segments HCC-07 and HCCC-04 are shown in Figure 5-7.

Table 5-3: Recent Dissolved Oxygen Data Summary

Segment	Stations	Data Years	No. of Samples	Violations	Min	Max	Average
NB Chicago R HCC-07	HCC-07 WW_34, 96	2001-2007	173	6	1.0	14.9	8.1
WF NB Chicago R HCCB-05	HCCB-05 WW_106	2001-2007	33	1	1.4	13.0	8.6
MF NB Chicago R HCCC-02	HCC-02 WW_31	1999-2007	113	34	0.0	14.4	6.6
MF NB Chicago R HCCC-04	HCCC-04 WW_103, 104	2001-2007	130	8	3.6	13.0	7.8
Skokie R HCCD-01	HCCD-01 WW_32	2001-2007	67	8	2.2	14.0	7.6

Figure 5-6: Dissolved Oxygen Distribution 1964 to 2007

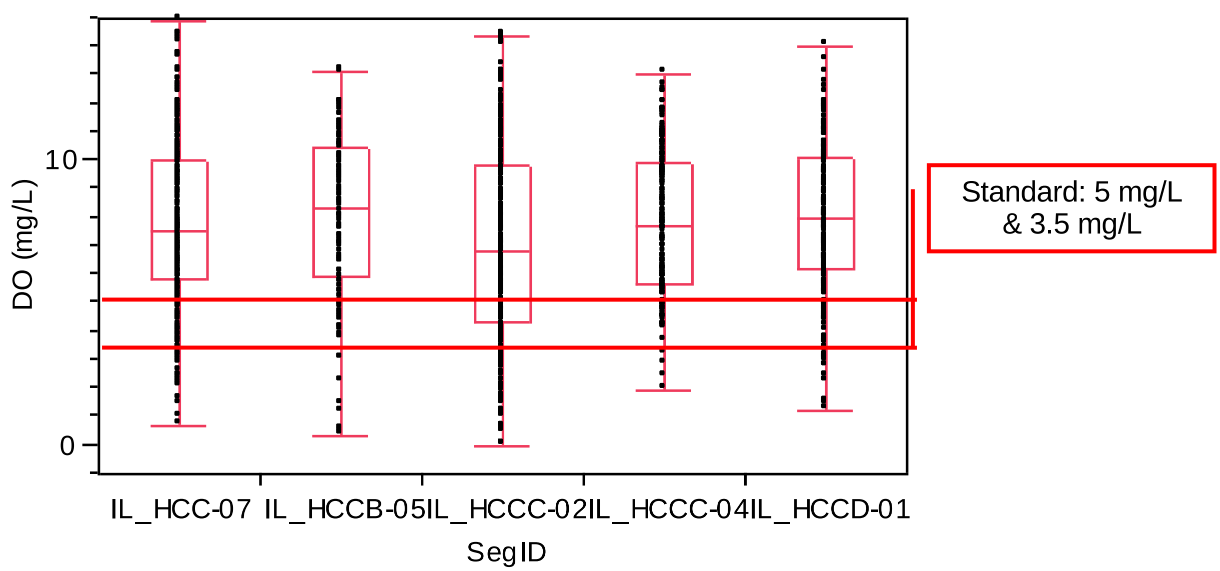


Figure 5-7: Dissolved Oxygen Time Series for HCCB-05, HCCC-02, and HCCD-01

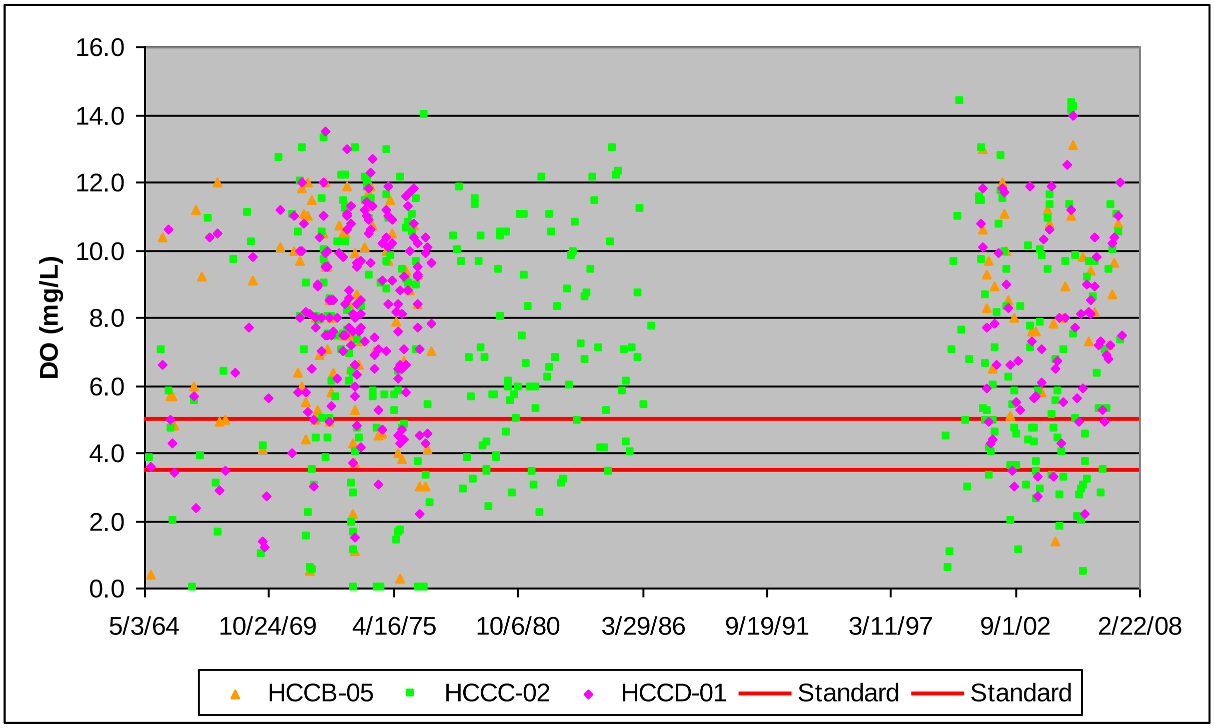
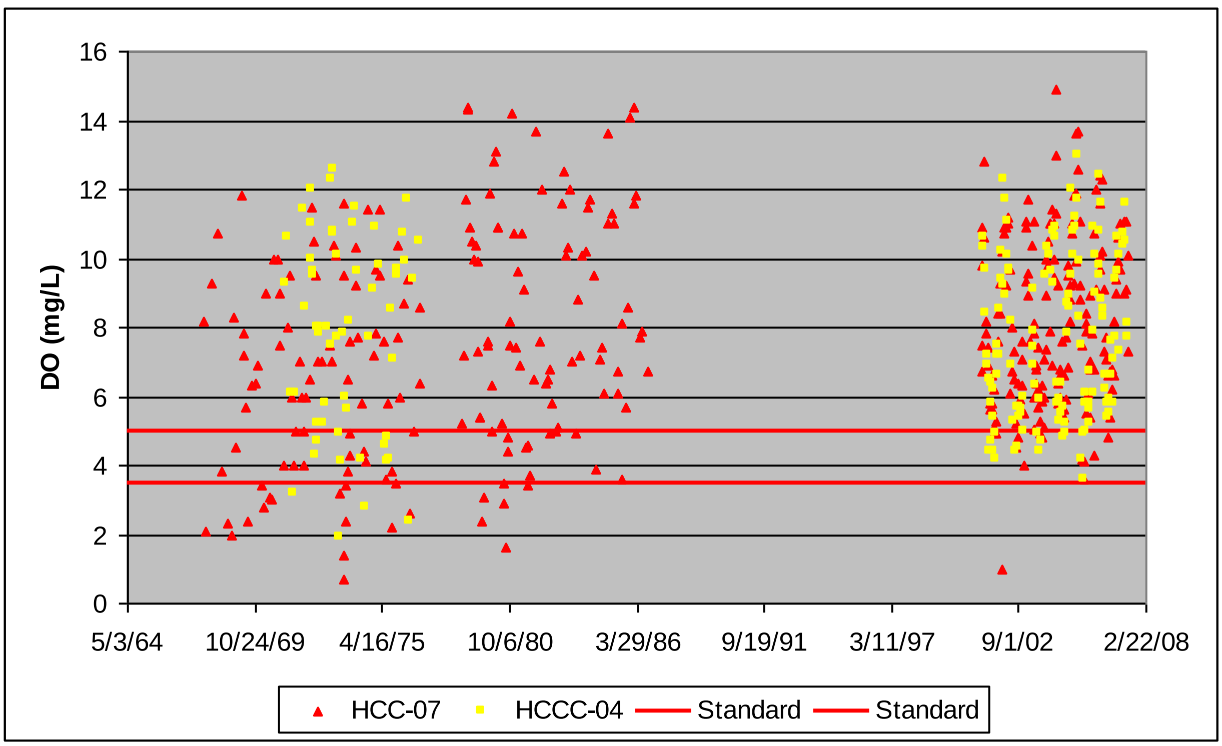


Figure 5-8: Dissolved Oxygen Time Series for HCC-07 and HCCC-04



5.1.3 pH

The WQS dictates an acceptable pH range between 6.5 and 9.0 s.u. Four segments were identified to have this impairment within the Upper North Branch Chicago River Watershed. Table 5-4 contains recent summary information since 1999 for pH. Historic data are presented in Figures 5-8 and 5-9, ranging from 1964 to 2007. Available data indicates that all segments have at least one violation, except HCCC-04.

Table 5-4: Recent pH Data Summary

Segment	Stations	Data Years	No. of Samples	Violations	Min	Max	Average
NB Chicago R HCC-07	HCC-07 WW_34, 96	1999-2007	197	4	6.2	8.6	7.6
MF NB Chicago R HCCC-04	HCCC-04 WW_103, 104	2001-2007	126	2	6.4	8.8	7.6
Skokie R HCCD-01	HCCD-01 WW_32	2001-2007	61	2	6.1	8.5	7.5
Skokie R HCCD-09	HCCD-09 WW_105	2001-2007	74	2	6.3	8.7	7.6

Figure 5-9: pH Distribution 1964 to 2007

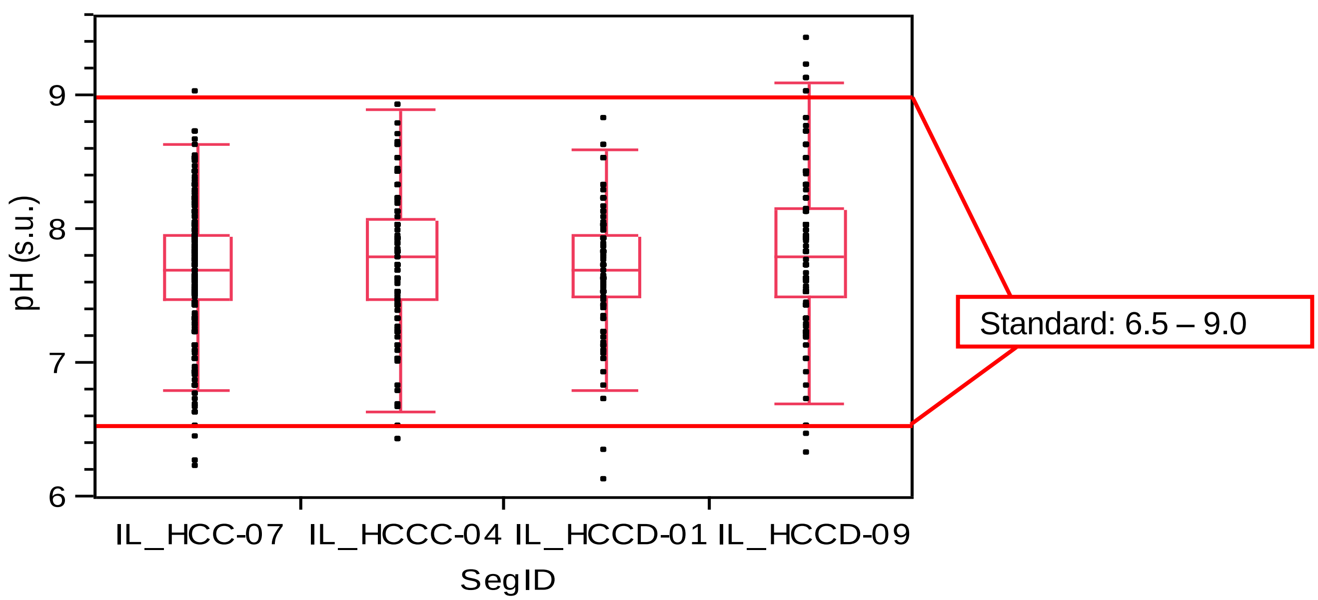
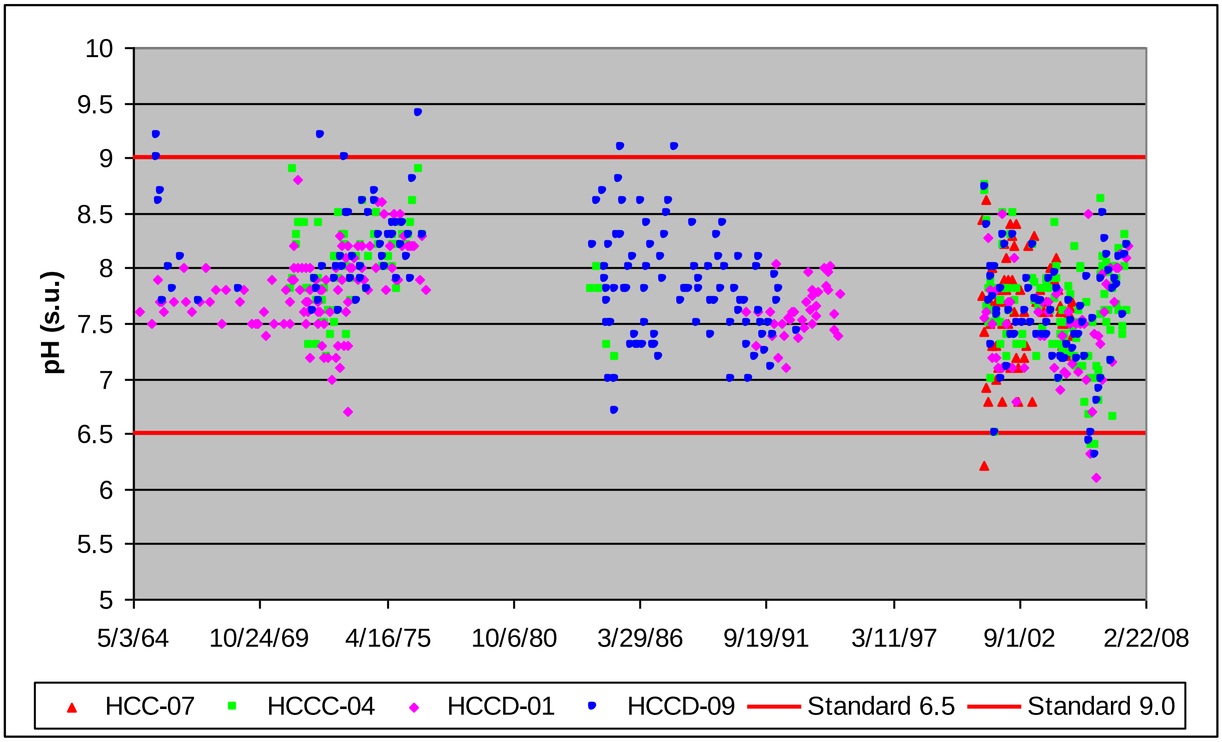


Figure 5-10: pH Time Series for HCC-07, HCCC-04, HCCD-01, and HCCD-09



5.1.4 Chloride

The general use WQS for chloride is 500 mg/L and four stream segments indicated exceedances within the Upper North Branch Chicago River Watershed, resulting in chloride impairment listing. Table 5-5 summarizes recent data from 1999 to 2005. Available data used for assessment ranged from 1964 to 2007. Figures 5-10 and 5-11 present the available chloride data distribution and time series throughout the impaired segments.

Table 5-5: Recent Chloride Data Summary

Segment	Stations	Data Years	No. of Samples	Violations	Min	Max	Average
NB Chicago R HCC-07	HCC-07 WW_34, 96	1999-2007	187	10	1.0	1272.0	248.0
WF NB Chicago R HCCB-05	HCCB-05 WW_106	2001-2007	34	8	89.0	1563.0	381.1
MF NB Chicago R HCCC-02	HCCC-02 WW_31	1999-2007	104	2	56.8	707	228.1
MF NB Chicago R HCCC-04	HCCC-04 WW_103, 104	2001-2007	129	14	31.6	1346.3	271.6

Figure 5-11: Chloride Distribution 1964 to 2007

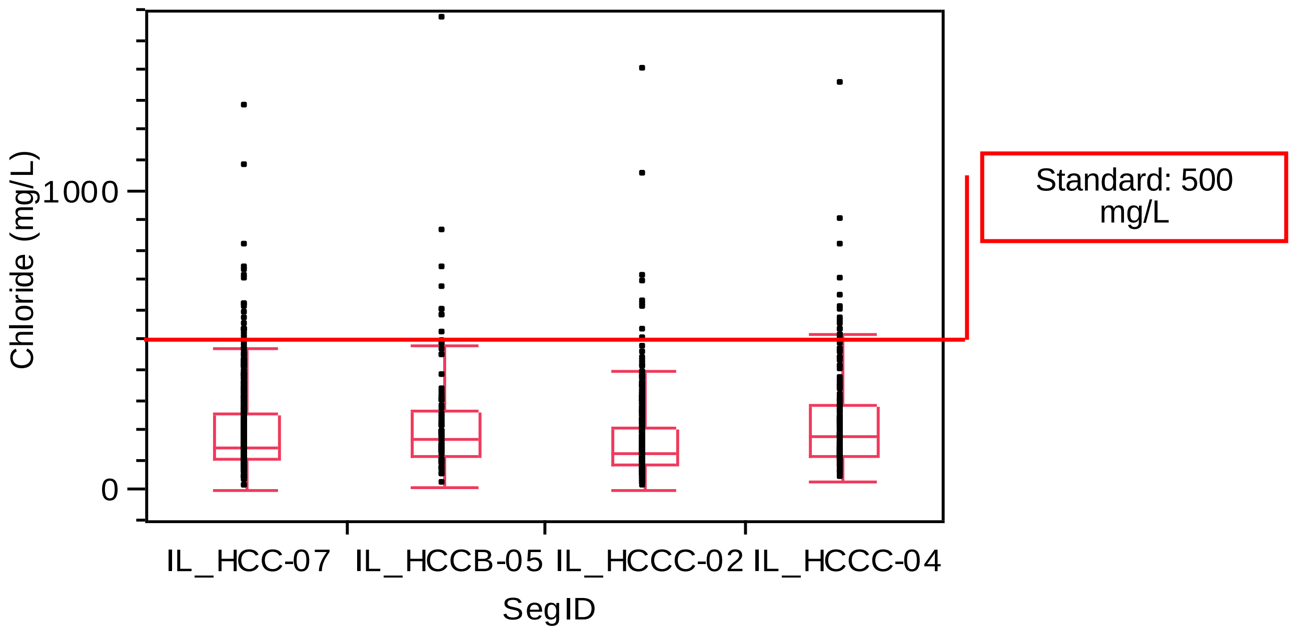
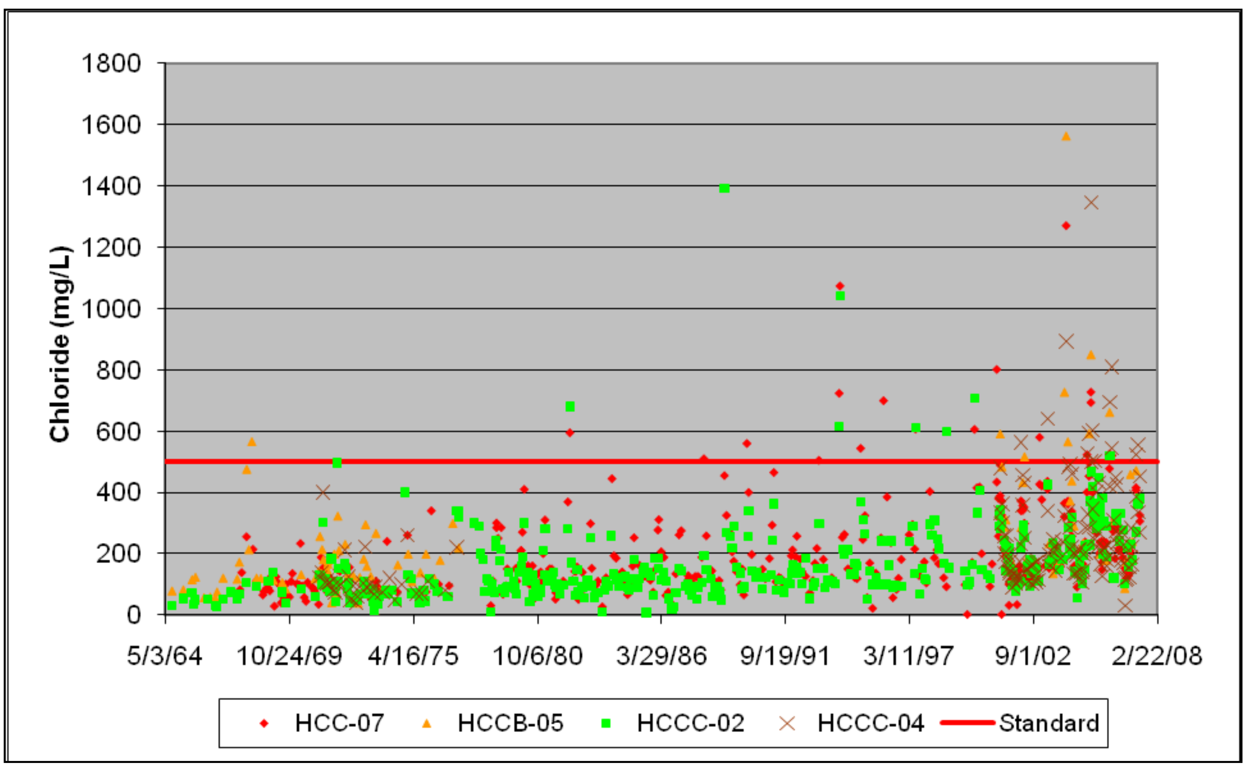


Figure 5-12: Chloride Time Series for HCC-07, HCCB-05, HCCC-02, and HCCC-04



5.1.5 Total Phosphorus

The WQS for total phosphorus is a maximum concentration of 0.05 mg/L and is applicable only to lakes with a surface area of 20 acres or greater. Within the Upper North Branch Chicago River Watershed, three lakes are impaired. Recent data are summarized in Table 5-6 from 1999-2006. The time series distribution of phosphorus concentrations for each impaired segment in the Upper North Branch Chicago River Watershed is presented in Figures 5-12 and 5-13. Data used for the assessments ranged from 1970 to 2006.

Table 5-6: Recent Phosphorus Data Summary

Segment	Stations	Data Years	No. of Samples	Violations	Min	Max	Average
Skokie Lagoons RHJ	RHJ-1, 2, 3	1998-2006	46	40	0.028	1.810	0.209
Chicago Botanic Garden RHJA	RHJA-1, 2, 3	1998-2006	151	35	0.000	0.365	0.043
Eagle Lake UHH	UHH-1, 2	2002	10	9	0.038	0.124	0.085

Figure 5-13: Phosphorus Time Series for RHJ, RHJA, and UHH

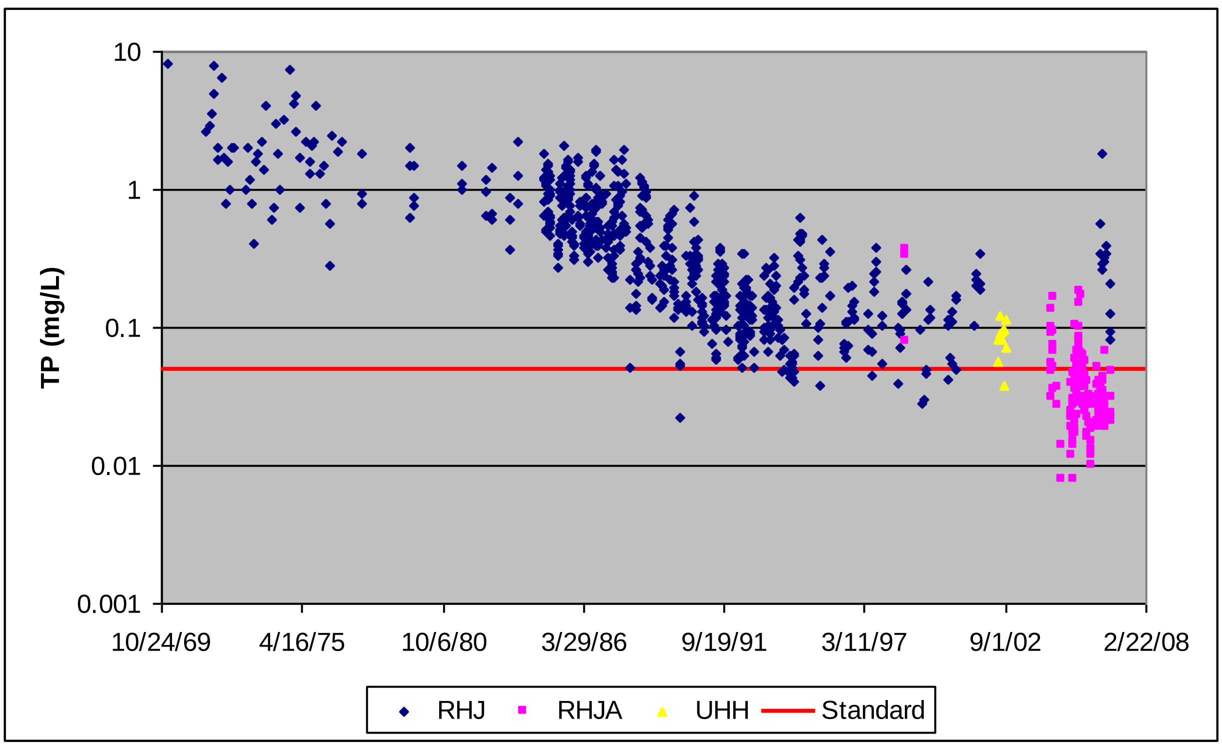
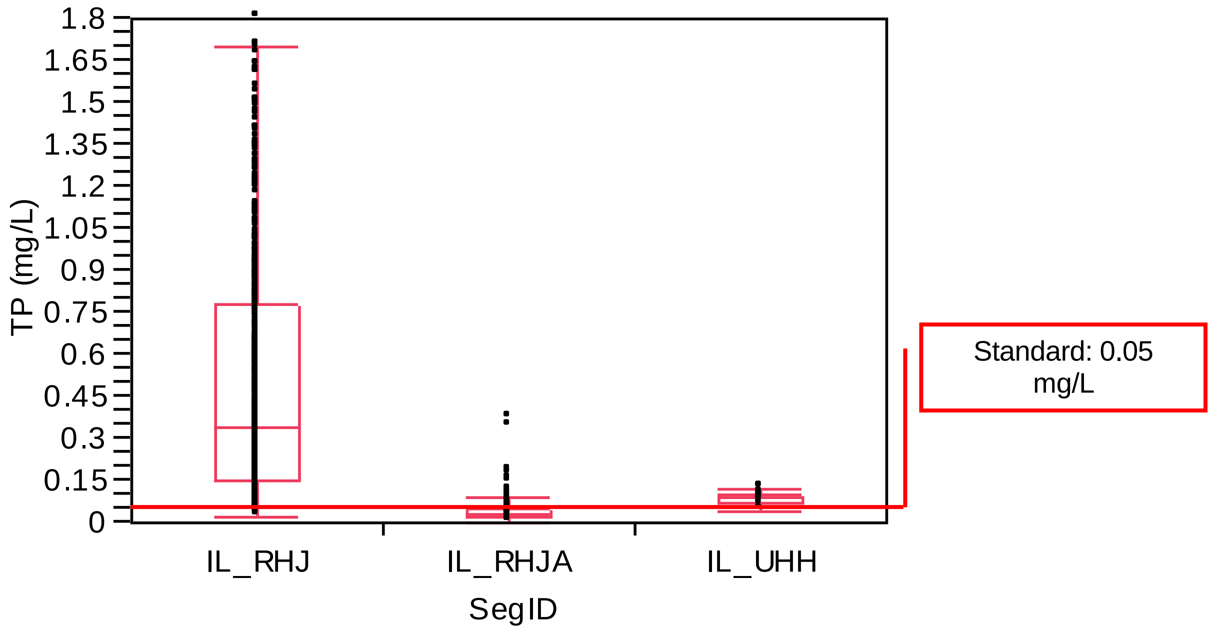


Figure 5-14: Total Phosphorus Distribution 1970 to 2006



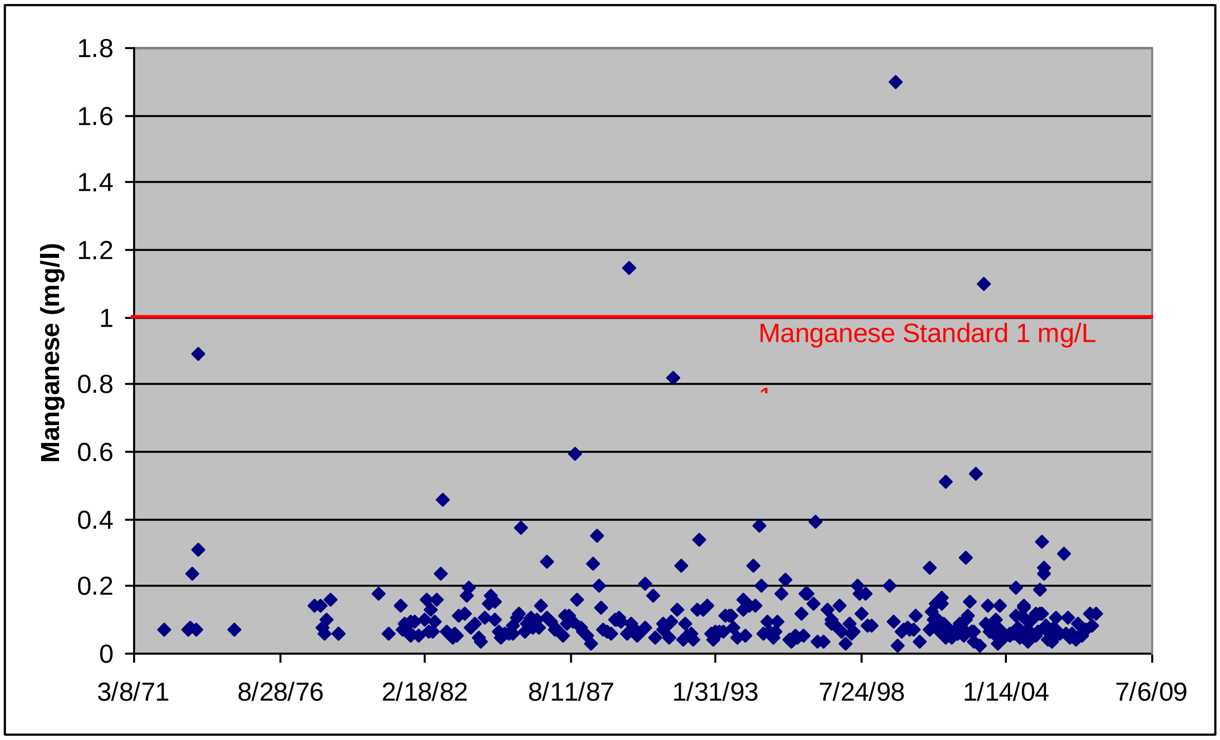
5.1.6 Manganese

The applicable water quality standard for manganese is 1 mg/L for general use. Table 5-7 and Figure 5-14 summarizes available manganese data for a segment on the Middle Fork of the North Branch of the Chicago River (IL_HCCC-02), the only waterbody with manganese impairment. Analysis was based on recent available total manganese data that ranged from 2001 to 2007.

Table 5-7: Recent Manganese Data Summary 2001-2007

Segment	Units	# Observations	# Violations	Min	Max	Average	Median	Standard Deviation
NB Chicago R IL_HCCC-02	mg/L	295	3	0.02	1.70	0.13	0.08	0.16

Figure 5-15: Manganese Time Series for IL_HCCC-02



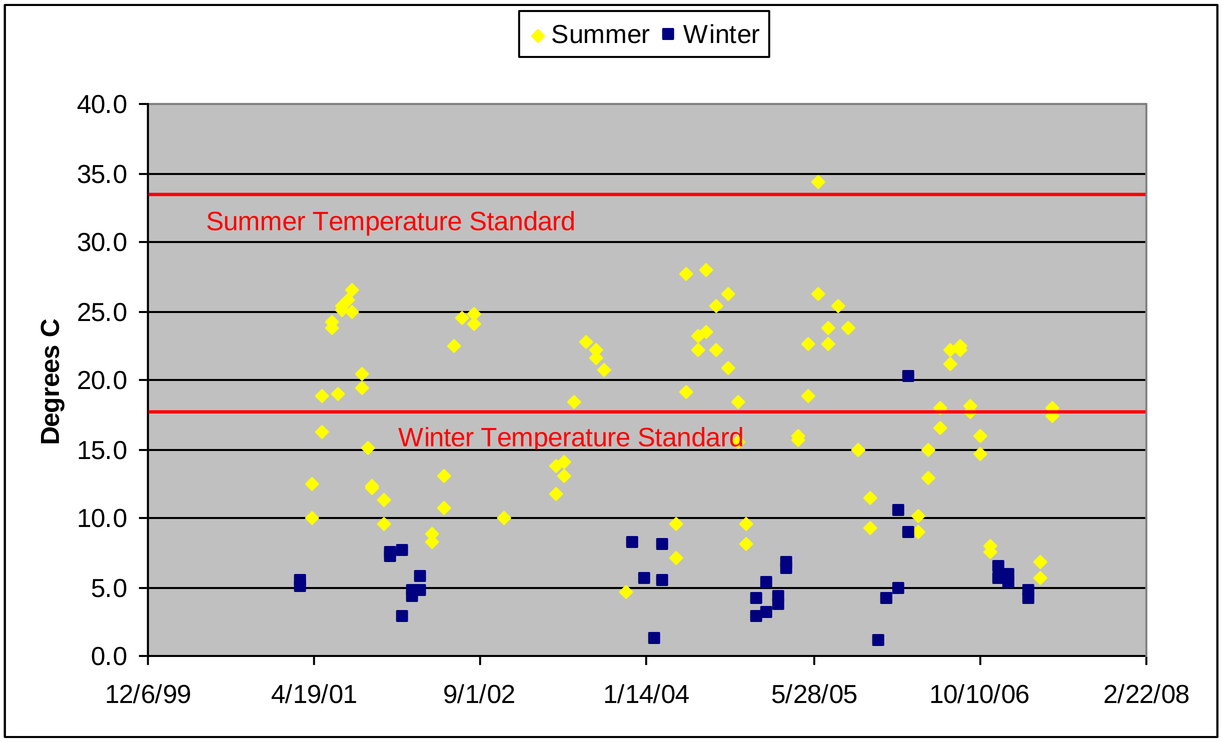
5.1.7 Temperature

IL_HCCC-04 on the Middle Fork of the North Branch of the Chicago River is the segment listed for temperature impairment within the Upper North Branch Chicago River Watershed. Table 5-8 and Figure 5-15 summarize available temperature data. The applicable water quality standard for temperature limits an increase of 2.8 degrees Celsius above natural background temperature. In addition, the water temperature in the main river shall not exceed 32 degrees Celsius in the summer (April to November) or 16 degrees Celsius in the winter (December to March) more than one percent of the hours in a 12 month period ending with any month. Moreover, at no time shall the water temperature exceed 33.7 degrees Celsius in the summer nor 17.7 degrees Celsius in the winter. Due to the unlikelihood of having natural temperature data and sufficient hourly data during any 12 month period, the winter and summer maximums are often used to determine a violation. Ambient data indicate that the temperature maximums of 33.7 and 17.7 degrees Celsius were violated on 2 occasions. Data used for analysis ranged from 2001 to 2007.

Table 5-8: Recent Temperature Data Summary 2001-2007

Segment	Units	# Observations	# Violations	Min	Max	Average	Median	Standard Deviation
MF NB Chicago R IL_HCCC-04	Deg C	126	2	1	34.4	14.2	13.5	7.9

Figure 5-16: Temperature Time Series for IL_HCCC-04



5.2 Potential Point Sources

A number of point source dischargers actively maintain National Pollutant Discharge Elimination System (NPDES) permits within the Upper North Branch Chicago River Watershed. Discharge Monitoring Reports (DMRs) for each discharger will be required for the Stage 3 analysis of the TMDL, as available data will be quantified and analyzed to determine the point source loading for each receiving water. Table 5-9 lists the existing NPDES permits as provided by EPA's Enforcement Compliance History Online (ECHO) database. Geographic locations are provided in Figure 5-16.

Phase I of the NPDES Storm Water program began in 1990 and required medium and large municipal separate storm sewer systems (MS4s) to obtain NPDES coverage. The expanded Phase II program began March 2003 and requires small MS4s in urbanized areas to obtain NPDES permits and implement six (6) minimum control measures. An urbanized area as delineated by the Bureau of Census is defined as a central place or places and the adjacent densely settled surrounding area that together have a residential population of at least 50,000 people and an overall population density of at least 500 people per square miles. Table 5-10 lists the MS4s within the Upper North Branch Chicago River Watershed and Figure 5-17 indicates the location.

MS4 Permit Requirements:

1. Develop a storm water management program comprised of best management practices (BMPs) and measurable goals for each of the following six minimum control measures:

    - Public education and outreach on storm water impacts
    - Public involvement and participation
    - Illicit discharge detection and elimination

- Construction site storm water runoff control
- Post construction storm water management in new development and redevelopment
- Pollution prevention/good housekeeping for municipal operations

2. Submit a completed Notice of Intent. Operators can choose to share responsibilities for meeting the Phase II program requirements. Those entities choosing to do so may submit jointly with other municipalities or governmental entities. The Notice of Intent form is available below.

3. Submit an annual report to IEPA in June of each year starting in 2004. The reports must include:

   - The status of compliance with the permit conditions, including an assessment of the BMPs and progress toward the measurable goals;
   - Results of any information collected and analyzed, including monitoring data;
   - A summary of the storm water activities planned for the next reporting cycle;
   - A change in any identified best management practices or measurable goals;
   - If applicable, notice of relying on another governmental entity to satisfy some of the permit obligations.

Table 5-9: Existing NPDES Dischargers in the Upper North Branch Chicago River Watershed

Facility Name	NPDES ID	Receiving Stream	DAF	DMF
Abbott Laboratories	IL0066435	Middle Fork North Branch Chicago R.	2.21	2.481
Abbott Laboratories	IL0066435	Middle Fork North Branch Chicago R.	1.71	5.447
Central Lake County JAWA PWS	IL0068951	Skokie River	0.014	0.531
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Chicago CSOS	IL0045012	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Deerfield WRF	IL0028347	West Fork North Branch Chicago R.	3.5	8
Deerfield WRF	IL0028347	West Fork North Branch Chicago R.	Intermittent	
Deerfield WRF	IL0028347	West Fork North Branch Chicago R.	Intermittent	

Facility Name	NPDES ID	Receiving Stream	DAF	DMF
Deerfield WRF	IL0028347	Middle Fork North Branch Chicago R.	Intermittent	
Deerfield WRF	IL0028347	West Fork North Branch Chicago R.	Intermittent	
Golf CSOS	IL0072389	TARP/ West Fork North Branch Chicago R.	Intermittent	
Morton Grove CSOs	IL0046175	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Morton Grove CSOs	IL0046175	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
Niles CSOs	IL0052477	TARP/ Middle Fork North Branch Chicago R.	Intermittent	
NSSD Clavey Road STP	IL0030171	Skokie Lagoon	17.8	28
NSSD Clavey Road STP	IL0030171	Skokie River	Intermittent	
Prairie Material Yards 21	IL0066991	West Fork North Branch Chicago R.	Intermittent	
Underwriters Labs- Northbrook	IL0002739	West Fork North Branch Chicago R.	Intermittent	

Table 5-10: Municipal Separate Storm Sewer Systems in the Upper North Branch Chicago River Watershed

Name	2000 Population*	Acres*
Bannockburn	1429	1298.74
Chicago	2896016	146125.84
Deerfield	18420	3464.79
Evanston	74239	4909.47
Glencoe	8762	2431.89
Glenview	41847	7782.35
Golf	451	280.17
Green Oaks	3572	2532.67
Highland Park	31365	7883.27
Highwood	4143	409.97
Kenilworth	2494	384.51
Lake Bluff	6056	2580.3
Lake Forest	20059	10788.94
Lincolnshire	6108	2693.21
Mettawa	367	3379.91
Morton Grove	22451	3221.68
Niles	30068	3680.89
North Chicago	35918	4951.32
Northbrook	33435	8155.02
Northfield	5389	1836.46

Name	2000 Population*	Acres*
Park City	6637	744.64
Park Ridge	37775	4529.36
Riverwoods	3843	2526.48
Skokie	63348	6389.98
Waukegan	87901	14930.44
Wilmette	27651	3397.27
Winnetka	12419	2441.85

*This information is taken from the municipal boundary shapefile provided by Illinois EPA.

Figure 5-17: Existing NPDES Discharges in the Upper North Branch Chicago River Watershed

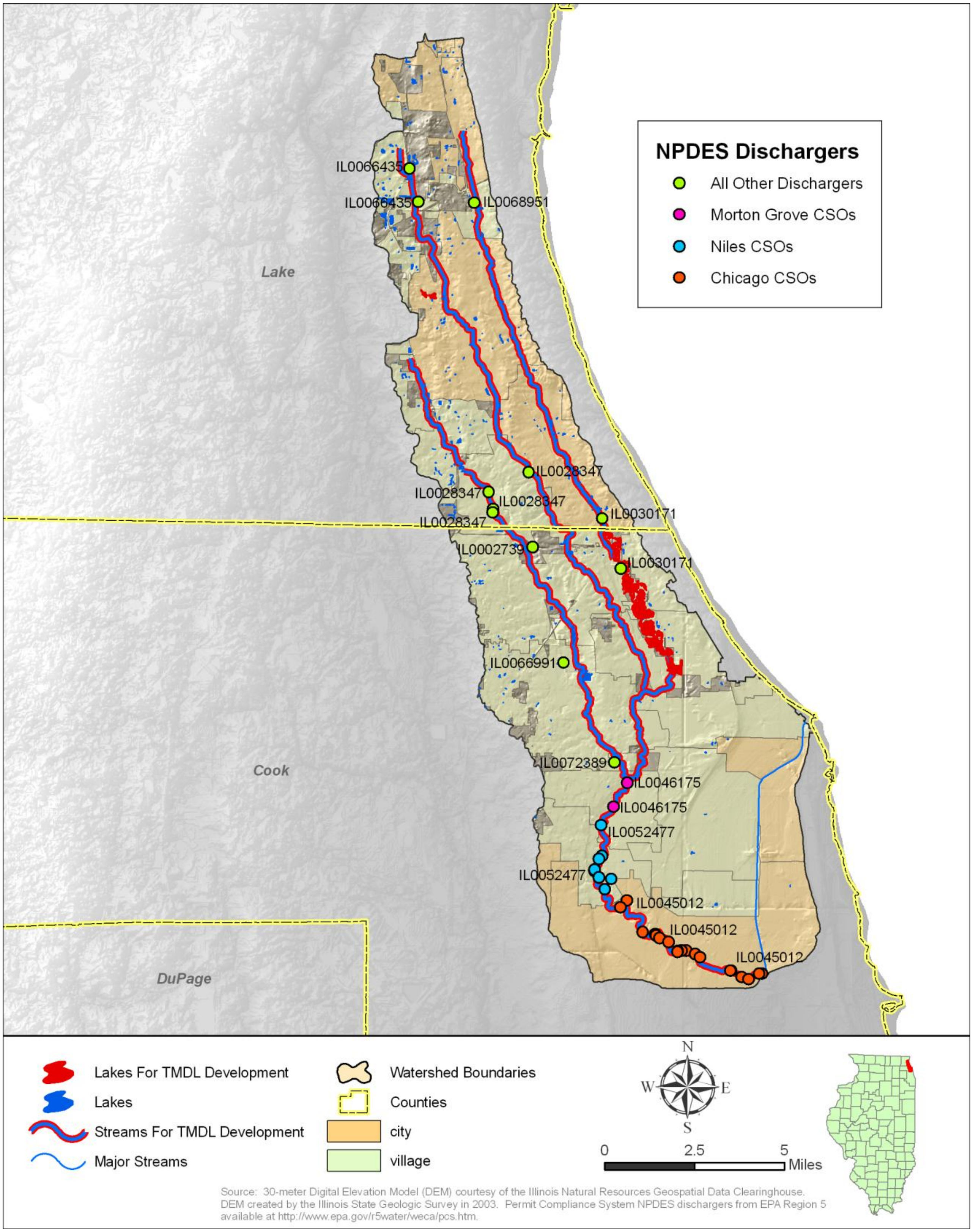
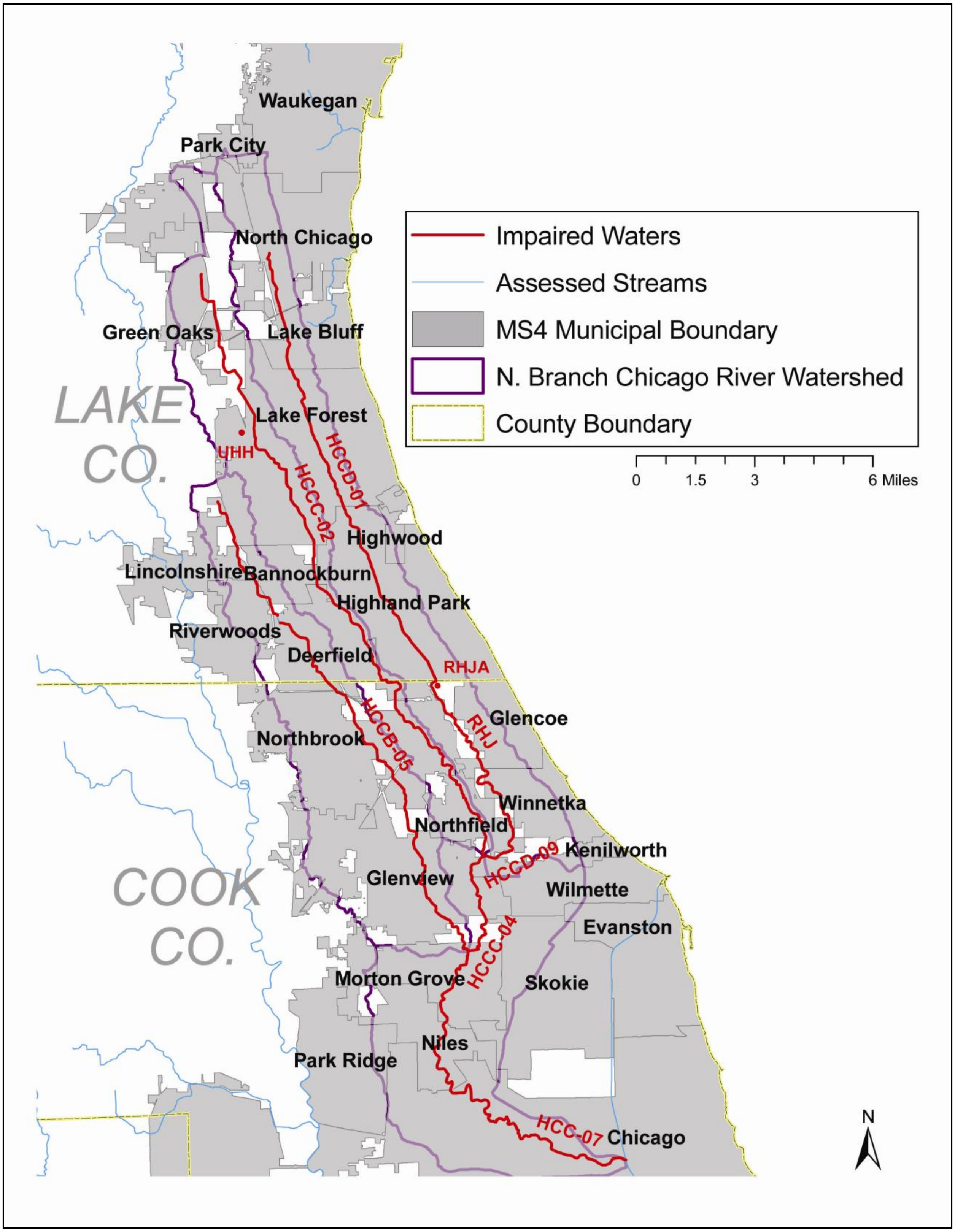


Figure 5-18: Municipal Separate Storm Sewer Systems in the Upper North Branch Chicago River Watershed



5.3 Non-Point Sources

The Upper North Branch Chicago River Watershed is dominated almost entirely by urban growth; current land use is approximately 82% urban. As compared to other watersheds in the region, agriculture has a very limited amount of influence within the watershed, comprising only 0.52% of the area. To properly manage and maintain water quality in the Upper North Branch Chicago River Watershed, the impacts associated with new development must be carefully evaluated.

Urban and suburban development can adversely impact water quality in a number of ways. During the construction phase of development, soils destabilized as a result of clearing, grading, and excavation are subject to increased erosion by wind and water. These eroded soils can be carried offsite and deposited in receiving waters such as lakes, rivers and wetlands. Adverse impacts associated with such sediment loading include increased turbidity and habitat modification, including smothering of invertebrates and covering spawning beds. Typically, the construction phase is relatively short-lived; however, the impacts to receiving waters from poorly managed construction activities may be extremely severe and the effects can endure long after the project is over.

Post-construction receiving water quality impacts may become more pronounced due to potentially dramatic changes to the area's hydrology (reduced baseflow and exaggerated peak flow volumes), and the change in land use compared to predevelopment conditions. The increase in impervious areas, such as roadways and parking lots, can often result in increased runoff rates and volumes. This can result in increased streambank erosion which can lead to increased sediment loading and its associated water quality problems. The increased runoff can also accelerate the transport of land-borne pollutants such as heavy metals, oil and grease, pesticides, fertilizers and other nutrients, and toxic organic contaminants. Increased imperviousness can also cause significant elevations in receiving water temperatures during summer months. Winter road deicing activities can contribute high levels of chlorides or sediment.

Water quality impacts may be evaluated in terms of short-term impacts, and long-term impacts. Individual runoff events can cause short-term impacts to receiving waters, and are typically on a timescale of hours to days. Changes to the dry and wet weather hydrology, stream bank morphology, and water chemistry of the receiving water are considered long-term impacts. Such long-term chemical impacts are most critical for those waters with longer residence times such as lakes and wetlands, and slow-moving stream segments. With regards to urban development and agriculture, pollutant concentrations are best used to evaluate short-term effects, while pollutant loadings are appropriate for assessing long-term impacts. Upper North Branch Chicago River Watershed planners and developers need to understand these impacts and carefully plan in order to mitigate the negative water quality impacts of development and agriculture.

5.4 Watershed Studies and Other Watershed Information

A watershed plan available from the Lake County Stormwater Management Commission is available on-line at http://www.lakecountyil.gov/Stormwater/LakeCountyWatersheds/NBChicagoRiverWatershed.htm. This plan, orignating in 2000 and updated in 2007, contains detailed information and recommendations for the Upper North Branch Chicago River Watershed that will be considered throughout the process of this TMDL. Additionally, the commission has been involved in many other projects like the North Branch Chicago River Watershed Project.

Four drainage districts have fee authority and stream and maintenance responsibility for different sections of the three tributaries of the North Branch. Other parties with jurisdiction in the North Branch include:

- Department of the Navy (Great Lakes and Glenview)
- County Forest Preserve Districts

- Park Districts - In Lake County 6 municipalities have park districts (Deerfield, Highland Park, Lake Bluff, Waukegan, Gurnee and Foss in North Chicago).
- Lake and North Cook County Soil and Water Conservation Districts
- US Congressional Districts
- State Senatorial and Representative Districts.

In addition to these jurisdictions, the Lake County Stormwater Management Commission maintains the authority to administer development permits under the Watershed Development Ordinance throughout the county. Lake County also has a North Branch Watershed Management Board (WMB) that was designed to address inter-jurisdictional issues (SMC 2007).

The Metropolitan Water Reclamation District of Greater Chicago has implemented many management programs within the watershed including the Native Prairie Landscaping Project in 2003. More information about the district's activity can be found at www.mwrdgc.dst.il.us.

Friends of the Chicago River are a very active group involved in policy and planning, education and outreach, and project implementation. More information about the group can be found at www.chicagoriver.org.

The North Branch Restoration Project works to restore native habitat within the watershed. More information can be found at www.northbranchrestoration.org.

6.0 TMDL Approach and Data Needs

This chapter discusses the methodology that may be used for the development of TMDLs for the Upper North Branch Chicago River Watershed. While a detailed watershed modeling approach can be advantageous, a simpler approach is often able to efficiently meet the requirements of a TMDL and yet still support a TMDL-guided and site-specific implementation plan. The final selection of a methodology will be determined with consultation with the Illinois EPA based on following factors:

- Fundamental requirements of a defensible and approvable TMDL
- Data availability
- Fund availability
- Public acceptance
- Complexity of water body

A simpler approach shall be used as long as it adequately supports the development of a defensible TMDL. If it is deemed that this approach will not suffice, a more sophisticated modeling approach will be recommended for analysis to help better establish a scientific link between the pollutant sources and the water quality indicators for the attainment of designated uses. Methodology for estimating daily loads will depend on available data as well as the selected analysis.

6.1 Recommended Modeling Approach for Fecal Coliform

Many states currently use load duration curves for fecal coliform TMDLs for its simplicity and effectiveness. Load duration curves use water quality criteria, ambient concentrations, and observed flows to estimate loading capacities for streams under various flow conditions.

The first step in this process is to obtain an appropriate stream flow record. This is often difficult for streams not monitored by the USGS. There are methods, however, for developing stream flow statistics on ungaged streams. Regional curve numbers and regression equations are typical used in such instances. Alternatively, a gaged reference watershed can be used to obtain a stream flow record. For this watershed, substantial flow data is available as indicated by Figure 2-10 (USGS Gaging Station map) and alternative methods may not be required.

Flow duration curves are developed from stream flow records spanning multiple decades. The flow duration curve is based on flow frequency which provides a probability of meeting or exceeding of a given flow. The duration curve is broken into hydrologic categories where high flows represent a duration interval of 0-10%, moist conditions represent 10-40%, mid-range flows 40-60%, dry conditions 60-90% and low flows 90-100%.

Once the flow duration curve is established, a load duration curve can be generated by multiplying stream flow with the numerical water quality standard and a conversion factor to obtain the load per day for a given stream flow. Individual measurements can be plotted against the load duration curve to evaluate patterns of impairment. Values that fall above the load duration line indicate an exceedance of the daily load and hence, water quality standard. These data can aid in determining whether impairment occurs more frequently in one of the hydrologic categories (wet, moist, mid-range, dry or low).

The margin of safety (MOS) for duration curves can be implicit or explicit. Implicit MOS are derived from the inherent assumptions in establishing the water quality target (conservative assumptions). Explicit MOS include setting the water quality target lower than the WQS or not allocating a portion of the allowable load. For the Upper North Branch Chicago River TMDL, an implicit margin of safety is proposed. The load duration analysis performed for this TMDL will be conservative because the TMDL target (no more than 200 cfu/100 ml at any point in time) is more conservative than the more restrictive component of the fecal coliform water quality standard (geometric mean of 200 cfu/100 ml for all samples collected May through October).

Wasteload allocations (WLA) will be based on NPDES permit limits. Average discharge flow and permit limits will be used to calculate a daily load and serve as the WLA. WLAs for NPDES-permitted stormwater discharges, including current and future Municipal Separate Storm Sewer Systems (MS4s), "Urbanized" areas, construction and industrial discharges and sanitary sewer overflows (SSOs) that do not have numerical effluent limitations will be expressed as a percent reduction instead of a numerical target. The NPDES Phase II Stormwater Regulations require all areas defined as "Urbanized" by the US Census obtain a permit for the discharge of stormwater. Stormwater discharges are required to meet the percentage reduction or the existing instream standard for the pollutant of concern, whichever is less restrictive. The load allocation (LA) for all non-regulated sources, including non-point sources, will also be expressed as a percent reduction. The percent reduction is based on the maximum reduction required to meet WQS plus a margin of safety under critical conditions.

The critical condition for fecal coliform load duration TMDLs is established by hydrologic category. It is defined as the greatest reduction needed to meet WQS among all hydrologic categories. For example, if an 89% reduction is required to meet the TMDL under wet conditions and a 50% reduction is required under dry conditions, an 89% reduction will be required under all hydrologic conditions to ensure that the TMDL is protective under in all hydrologic conditions.

Seasonality of loading will also be evaluated. Flow duration intervals will be plotted by month to determine if there is a strong seasonal component. Although this will not change allocations, this may assist in implementation planning.

6.2 Recommended Modeling Approach for Dissolved Oxygen

QUAL-2K, a spreadsheet model that is based on the fundamental Streeter-Phelps DO sag equation, is recommended for DO TMDL development for impaired waterbodies in the Upper North Branch Chicago River Watershed. QUAL-2K is a one-dimensional, steady-state model that can accommodate point and non-point source loading and is capable of modeling DO in streams and well-mixed lakes. QUAL-2K is an updated version of QUAL-2E and has been developed using a Microsoft Excel interface. QUAL-2K allows for model segmentation, the use of two forms of carbonaceous BOD (both slow and rapid oxidizing forms), and is also capable of accommodating anoxia and sediment – water interactions. While the model is simplistic in nature, it is capable of estimating critical BOD concentrations associated with instream DO concentrations of 5 mg/L.

If sufficient data are available, load duration curves could also be used to adequately simulate BOD loading associated with DO sags in streams. These calculated loads will be the basis for recommending TMDL reductions if necessary.

6.3 Recommended Modeling Approach for Total Phosphorus

An export coefficient model linked to empirical in-lake response models will be used to determine existing loading and load reductions required to bring Eagle Lake, Skokie Lagoons, and the Chicago Botanic Garden into compliance with current WQS. This model, ENSR-LRM (lake response model), was developed by ENSR and has been used on more than 35 lake TMDLs.

ENSR-LRM uses export coefficients for runoff, groundwater and nutrients to estimate loading as a function of land use. Yields will be assigned to each defined parcel (sub-watershed) in the lake watershed. Loading estimates will be adjusted based on proximity to the lake, soils and major Best Management Practices (BMPs) in place. Model yields will be compared to measured data, where available. Export coefficients and attenuation factors will be adjusted such that model loading accurately reflects actual loading based on sample data and measured in-lake concentrations.

Watershed and subwatershed boundaries will be delineated based topography. Watershed land use will be determined using publically available GIS data layers from the Illinois Natural Resource Geospatial Data Clearinghouse, or similar source. ENSR-LRM will be set-up on a sub-watershed level using available land use and average annual precipitation. The spreadsheet-based export coefficient model allows the user to select watershed yield coefficients and attenuation factors from a range appropriate in the region. The model also includes direct inputs for atmospheric deposition, septic systems, point sources, waterfowl and internal loading from lake sediments.

The generated load to the lake is processed through five empirical models: Kirchner & Dillon 1975, Vollenweider 1975, Larsen & Mercier 1976, Jones & Bachmann 1976 and Reckhow 1977. These empirical models predict in-lake phosphorus concentrations based on loading and lake characteristics such as mean water depth, volume, inflow, flushing and settling rates. Predicted in-lake phosphorus is compared to measured data. An acceptable agreement between measured and predicted concentrations indicates loading estimates are appropriate for use in the preparation of a TMDL. Adjustments to the loading portion of the model are made when necessary based on best professional judgment to ensure acceptable agreement between measured and predicted concentrations. These empirical models also predict chlorophyll concentrations and water clarity (Secchi disk transparency). ENSR-LRM also includes a statistical evaluation of algal bloom probability.

Once the model has been calibrated to existing conditions, adjustments to the model can be made to determine predevelopment conditions and the load reductions necessary to meet WQS. In some instances, waterbodies are naturally eutrophic and may not achieve numerical WQS even under predevelopment conditions. In such instances, site specific criteria or maximum practical reductions have been used for TMDL targets and is proposed.

ENSR-LRM is most effective when calibrated with water quality data for the target system, but can be used with limited data. While it is a spreadsheet model with inherent limitations on applied algorithms and resultant reliability of predictions, it provides a rational means to link actual water quality data and empirical models in an approach that addresses the whole watershed and lake. ENSR-LRM is an easy and efficient method of estimating current loads to lakes as well as providing predictions on lake response under countless loading scenarios.

ENSR-LRM, as well as most simplified lake models, predicts phosphorus concentrations and estimates loading on an average annual basis. As required by the EPA, the TMDL must be expressed on a daily basis. However, there is some flexibility in how the daily loads may be expressed (US EPA, 2006). Several of these options are presented in “Options for Expressing Daily Loads in TMDLs” (US EPA, 2007). For TMDLs based on watershed load and in-lake response models providing predictions on an annual basis, the EPA offers a method for calculating the maximum daily limit based on long-term average and variability. This statistical approach is preferred since long periods of continuous simulation data and extensive flow and loading data are not available. The following expression assumes that loading data are log-normal distributed and is based on a long term average load calculated by the empirical model and an estimation of the variability in loading.

$$MDL = LTA * e^{[z\sigma - 0.5\sigma^2]}$$

Where:
MDL = maximum daily limit
LTA = long-term average
Z = z-statistic of the probability of occurrence
$\sigma^2 = \ln(CV^2 + 1)$
CV= coefficient of variation

Data from similar lakes will be used in situations where there are not enough data to determine probability of occurrence or coefficient of variation for the impaired waterbody.

MOS for phosphorus using this method is implicit. There is substantial uncertainty in concentration inputs to the models related to the timing of sampling and analytical methods, and the empirical equations used to predict in-lake phosphorus concentrations, mean and maximum chlorophyll, Secchi disk transparency, and bloom probability also introduce variability into the predictions.

WLA will be determined based on NPDES permit effluent limitations and average flow. WLAs for NPDES-permitted stormwater discharges, including current and future MS4s, “Urbanized” areas, construction and industrial discharges and SSOs that do not have numerical effluent limitations will be expressed as a percent reduction instead of a numerical target. Stormwater discharges are required to meet the percentage reduction or the existing instream standard for the pollutant of concern, whichever is less restrictive. LAs will also be expressed as a percent reduction. The percent reduction is based on the maximum practical reduction, which is generally 60% of the target load achievable through BMPs (Center for Watershed Protection 2000) including source reduction, transport mitigation and behavior modification.

Critical conditions for lakes typically occur during the summertime, when the potential (both occurrence and frequency) for nuisance algal blooms are greatest. The loading capacity for total phosphorus is set to achieve desired water quality standards during this critical time period and also provide adequate protection for designated uses throughout the year. The target goal is based on average annual values, which is typically higher than summer time values. Therefore a load allocation based on average concentrations will be sufficiently low to protect designated uses in the critical summer period

The ENSR-LRM derived TMDL takes into account seasonal variations because the allowable annual load is developed to be protective of the most sensitive (i.e., biologically responsive) time of year (summer), when conditions most favor the growth of algae. Maximum annual loads are calculated based on an overall annual average concentration. Summer epilimnetic concentrations are typically lower than the average annual concentration, so it is assumed that loads calculated in this manner will be protective of designated uses in the summer season, in which the most sensitive of designated uses (swimming) occurs. It is possible that concentrations of phosphorus will be higher than the annual average during other seasons, most notably in the spring, but higher phosphorus levels at that time does not compromise uses. The proposed TMDL is expected to protect all designated uses of the impaired waterbody.

6.4 Recommended Modeling Approach for pH

QUAL-2K is also capable of estimating instream pH. In the modeling framework, both total inorganic carbon and alkalinity are simulated based on inputs. Using these two quantities, the model then simulates instream pH. These calculated values will then be the basis for recommending TMDL reductions if necessary.

6.5 Recommended Modeling Approach for Chloride and Manganese

Similar to fecal coliform, load duration curves are recommended for the chloride and manganese TMDLs. The duration curve will be used to estimate the percent of time that a water quality standard is exceeded. The wasteload allocations will be based on criteria concentrations which will then be converted into a distribution of allowable loads as a function of daily flow.

6.6 Recommended Modeling Approach for Temperature

QUAL-2K includes a heat budget and temperature analysis. The simulation is based on meteorological data and dynamic inflow boundary conditions of flow and temperature. It can handle point mass and heat inputs and simulates on a function of a diurnal time scale. These calculated values will then be the basis for recommending TMDL reduction s if necessary.

6.7 Data Needs

Effective TMDL development heavily relies on site-specific data. Sufficient flow and water quality data are required for the evaluation of water conditions and for model calibration. In fact, data availability often dictates the modeling approach used for various watersheds. Five types of data are crucial for the Upper North Branch Chicago River Watershed TMDL development:

- Flow data
- Meteorological data
- Water quality data
- Watershed and water body physical parameters
- Source characteristics data

Most necessary data are available for the TMDL with the exception of some ambient water quality data. Impairments based on available data sources indicate exceedance of standards at all of the Upper North Branch Chicago River Watershed identified segments in this report. However, some pH impaired segments, DO impaired segments and the temperature impaired segment show a very low percentage of violations, recommending that additional sampling be conducted to confirm that impairment exists at these waterbody segments. Available phosphorus data were limited to one year for Eagle Lake (IL_UHH). Ongoing sampling will help to address the Eagle Lake data gaps.

Point source discharge data from all NPDES permittees within the watershed will also be necessary for the Stage 3 analysis. Individual NPDES permits, DMRs, and measured discharge data are all pertinent to TMDL development. Data will be obtained either using EPA's ECHO database or by directly contacting permittees.

7.0 References

Hill, Libby. 2000. The Chicago River: A Natural and Unnatural History. Lake Claremont Press. Chicago, IL.

Appendix A

Water Quality Data
(To be provided in a CD)

Appendix B

Site Photographs

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Eagle Lake (East) at Lake Forest Academy

Eagle Lake (West) at Lake Forest Academy

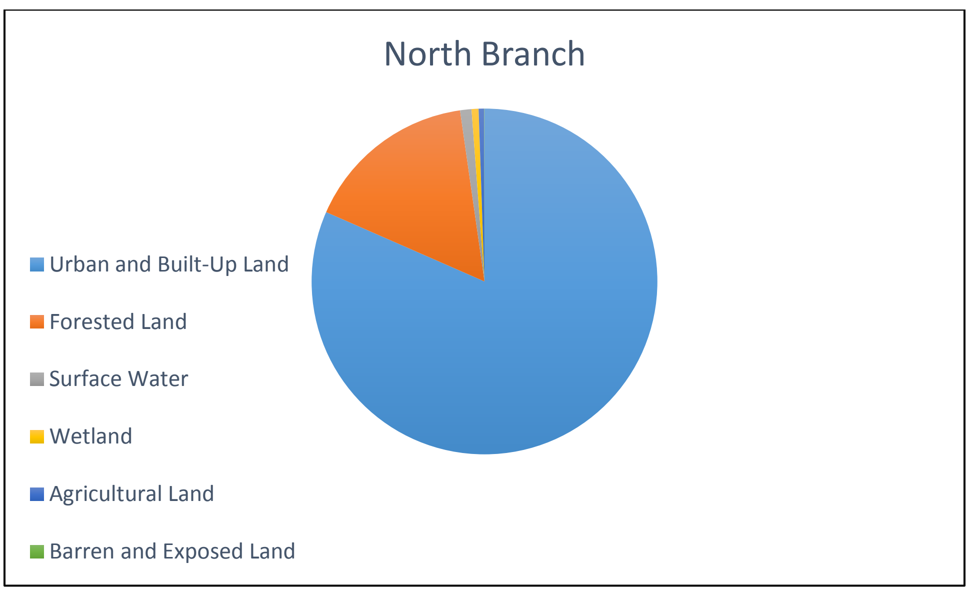
Appendix C

NPDES Permit Limits
(To be provided in a CD)

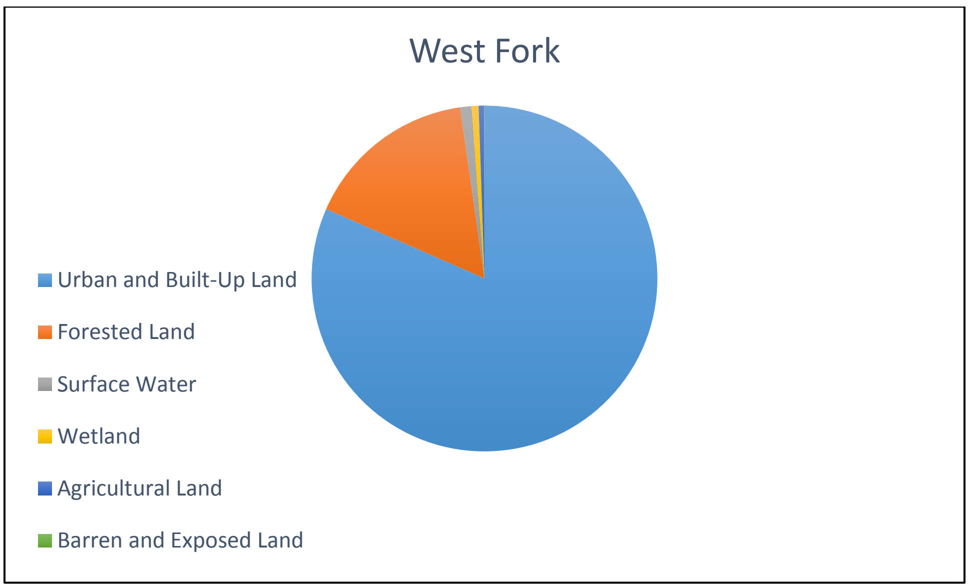
Appendix B

Land Use Categories

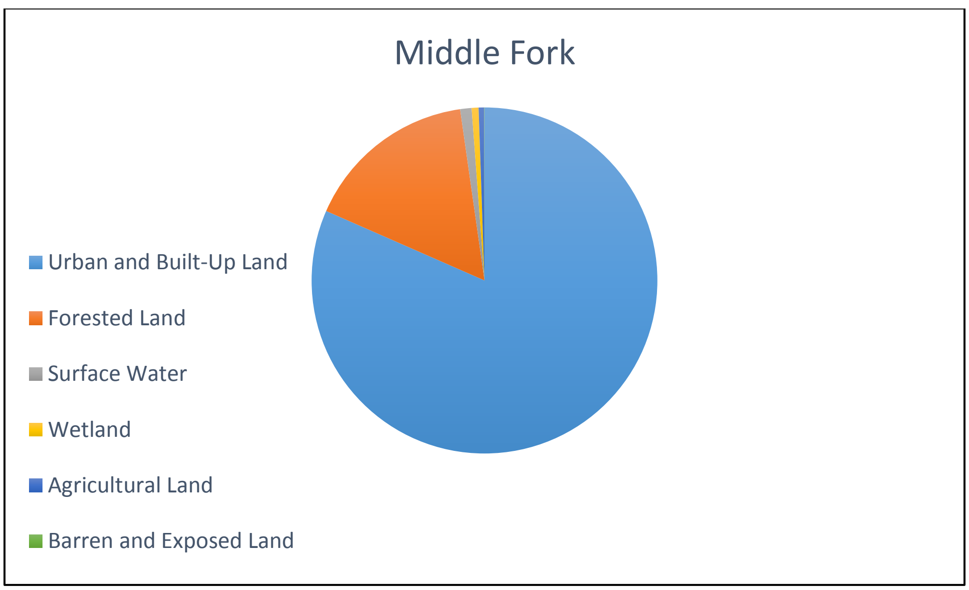
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	216.70	0.30	Agricultural Land
14	Other Small Grains and Hay	45.61	0.06	Agricultural Land
12	Soybeans	105.23	0.15	Agricultural Land
13	Winter Wheat	0.69	0.00	Agricultural Land
25	Partial Canopy/Savanna Upland	3837.83	5.40	Forested Land
23	Upland: Dry-Mesic	2197.11	3.09	Forested Land
24	Upland: Mesic	5461.78	7.68	Forested Land
52	Barren and Exposed Land	19.96	0.03	Barren and Exposed Land
51	Surface Water	756.03	1.06	Surface Water
31	High Density Urban	13610.79	19.14	Urban and Built-Up Land
34	Low Density Urban	6339.41	8.91	Urban and Built-Up Land
33	Medium Density Urban	27701.42	38.95	Urban and Built-Up Land
35	Urban Open Space	10355.40	14.56	Urban and Built-Up Land
42	Deep Marsh	124.09	0.17	Wetland
47	Floodplain Forest: Wet	94.42	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	18.58	0.03	Wetland
41	Shallow Marsh/Wet Meadow	221.00	0.31	Wetland
49	Shallow Water	6.24	0.01	Wetland
	Total	**71112.30**	**100**	



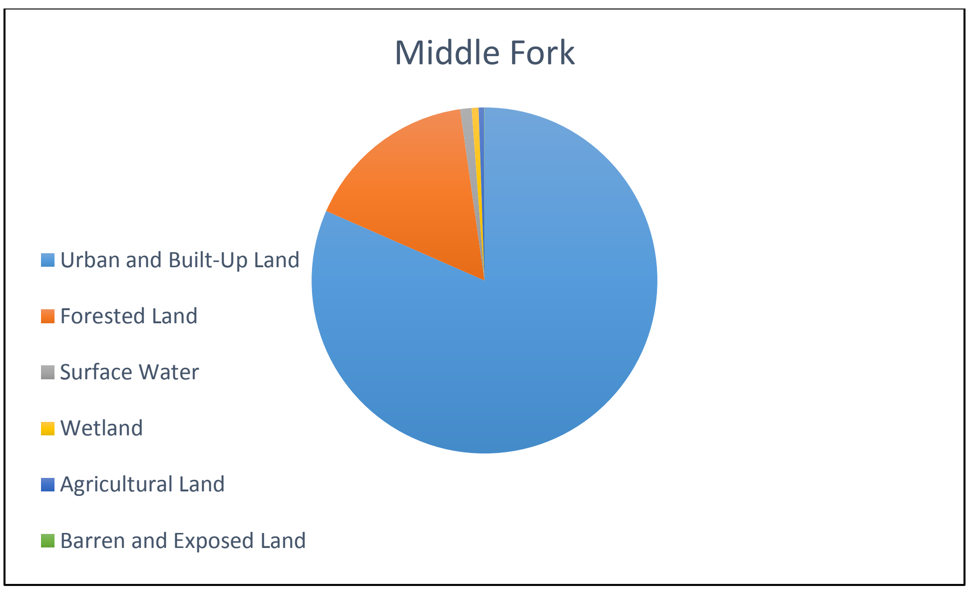
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	55.84	0.30	Agricultural Land
14	Other Small Grains and Hay	11.75	0.06	Agricultural Land
12	Soybeans	27.12	0.15	Agricultural Land
25	Partial Canopy/Savanna Upland	988.94	5.40	Forested Land
23	Upland: Dry-Mesic	566.16	3.09	Forested Land
24	Upland: Mesic	1407.41	7.68	Forested Land
52	Barren and Exposed Land	5.14	0.03	Barren and Exposed Land
51	Surface Water	194.82	1.06	Surface Water
31	High Density Urban	3507.27	19.14	Urban and Built-Up Land
34	Low Density Urban	1633.56	8.91	Urban and Built-Up Land
33	Medium Density Urban	7138.18	38.95	Urban and Built-Up Land
35	Urban Open Space	2668.41	14.56	Urban and Built-Up Land
42	Deep Marsh	31.98	0.17	Wetland
47	Floodplain Forest: Wet	24.33	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	4.79	0.03	Wetland
41	Shallow Marsh/Wet Meadow	56.95	0.31	Wetland
	Total	**18322.63**	**100**	



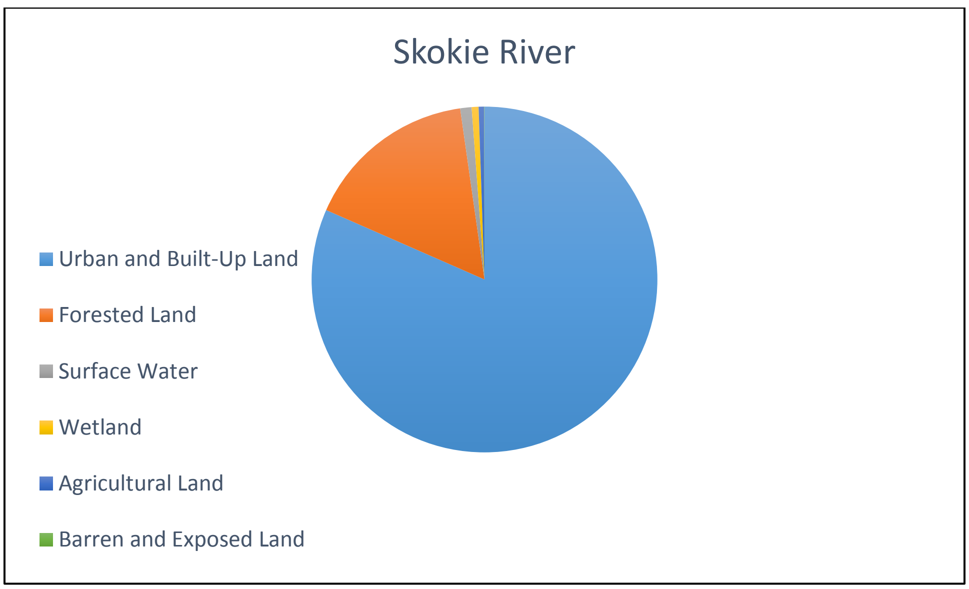
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	46.66	0.30	Agricultural Land
14	Other Small Grains and Hay	9.82	0.06	Agricultural Land
12	Soybeans	22.66	0.15	Agricultural Land
13	Winter Wheat	0.15	0.00	Agricultural Land
25	Partial Canopy/Savanna Upland	826.30	5.40	Forested Land
23	Upland: Dry-Mesic	473.05	3.09	Forested Land
24	Upland: Mesic	1175.95	7.68	Forested Land
52	Barren and Exposed Land	4.30	0.03	Barren and Exposed Land
51	Surface Water	162.78	1.06	Surface Water
31	High Density Urban	2930.47	19.14	Urban and Built-Up Land
34	Low Density Urban	1364.91	8.91	Urban and Built-Up Land
33	Medium Density Urban	5964.25	38.95	Urban and Built-Up Land
35	Urban Open Space	2229.57	14.56	Urban and Built-Up Land
42	Deep Marsh	26.72	0.17	Wetland
47	Floodplain Forest: Wet	20.33	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	4.00	0.03	Wetland
41	Shallow Marsh/Wet Meadow	47.58	0.31	Wetland
	Total	**15309.49**	**100**	



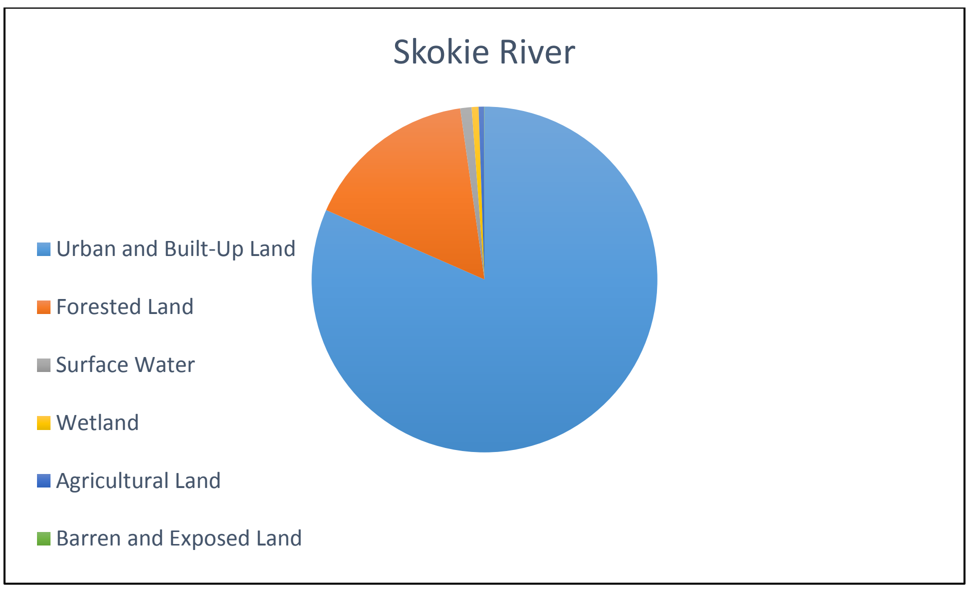
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	116.22	0.30	Agricultural Land
14	Other Small Grains and Hay	24.46	0.06	Agricultural Land
12	Soybeans	56.43	0.15	Agricultural Land
13	Winter Wheat	0.37	0.00	Agricultural Land
25	Partial Canopy/Savanna Upland	2058.20	5.40	Forested Land
23	Upland: Dry-Mesic	1178.29	3.09	Forested Land
24	Upland: Mesic	2929.11	7.68	Forested Land
52	Barren and Exposed Land	10.71	0.03	Barren and Exposed Land
51	Surface Water	405.45	1.06	Surface Water
31	High Density Urban	7299.35	19.14	Urban and Built-Up Land
34	Low Density Urban	3399.77	8.91	Urban and Built-Up Land
33	Medium Density Urban	14856.04	38.95	Urban and Built-Up Land
35	Urban Open Space	5553.51	14.56	Urban and Built-Up Land
42	Deep Marsh	66.55	0.17	Wetland
47	Floodplain Forest: Wet	50.64	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	9.96	0.03	Wetland
41	Shallow Marsh/Wet Meadow	118.52	0.31	Wetland
	Total	**38133.58**	**100**	



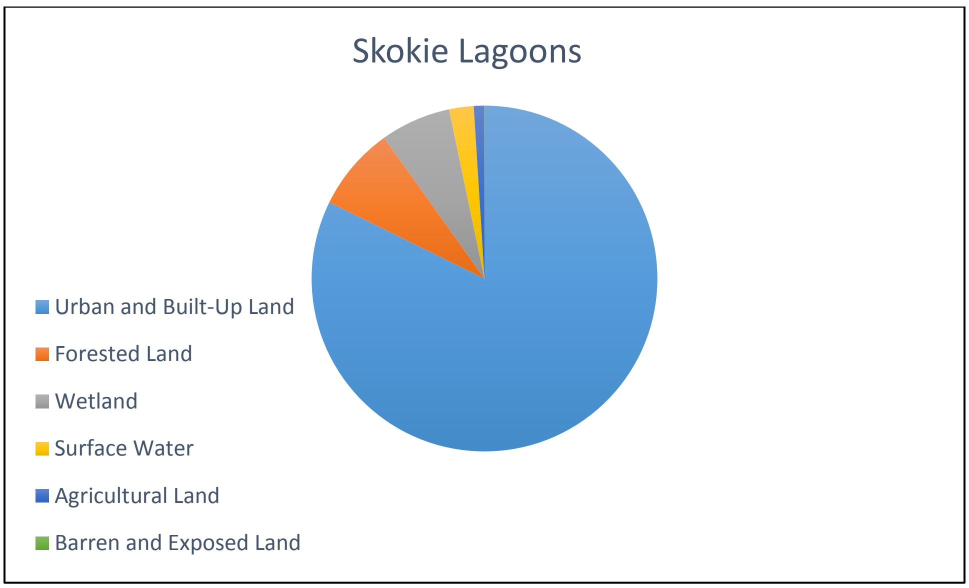
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	39.66	0.30	Agricultural Land
14	Other Small Grains and Hay	8.35	0.06	Agricultural Land
12	Soybeans	19.26	0.15	Agricultural Land
25	Partial Canopy/Savanna Upland	702.38	5.40	Forested Land
23	Upland: Dry-Mesic	402.10	3.09	Forested Land
24	Upland: Mesic	999.59	7.68	Forested Land
52	Barren and Exposed Land	3.65	0.03	Barren and Exposed Land
51	Surface Water	138.36	1.06	Surface Water
31	High Density Urban	2490.97	19.14	Urban and Built-Up Land
34	Low Density Urban	1160.20	8.91	Urban and Built-Up Land
33	Medium Density Urban	5069.77	38.95	Urban and Built-Up Land
35	Urban Open Space	1895.19	14.56	Urban and Built-Up Land
42	Deep Marsh	22.71	0.17	Wetland
47	Floodplain Forest: Wet	17.28	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	3.40	0.03	Wetland
41	Shallow Marsh/Wet Meadow	40.45	0.31	Wetland
	Total	**13013.33**	**100**	



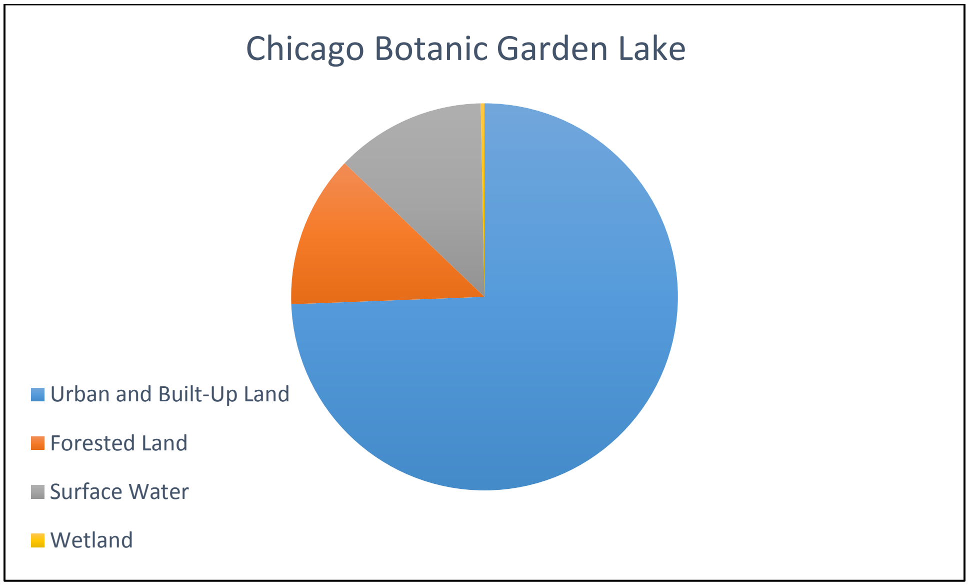
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Corn	58.89	0.30	Agricultural Land
14	Other Small Grains and Hay	12.40	0.06	Agricultural Land
12	Soybeans	28.60	0.15	Agricultural Land
25	Partial Canopy/Savanna Upland	1042.89	5.40	Forested Land
23	Upland: Dry-Mesic	597.04	3.09	Forested Land
24	Upland: Mesic	1484.19	7.68	Forested Land
52	Barren and Exposed Land	5.43	0.03	Barren and Exposed Land
51	Surface Water	205.44	1.06	Surface Water
31	High Density Urban	3698.60	19.14	Urban and Built-Up Land
34	Low Density Urban	1722.67	8.91	Urban and Built-Up Land
33	Medium Density Urban	7527.59	38.95	Urban and Built-Up Land
35	Urban Open Space	2813.98	14.56	Urban and Built-Up Land
42	Deep Marsh	33.72	0.17	Wetland
47	Floodplain Forest: Wet	25.66	0.13	Wetland
46	Floodplain Forest: Wet-Mesic	5.05	0.03	Wetland
41	Shallow Marsh/Wet Meadow	60.05	0.31	Wetland
	Total	**19322.19**	**100**	



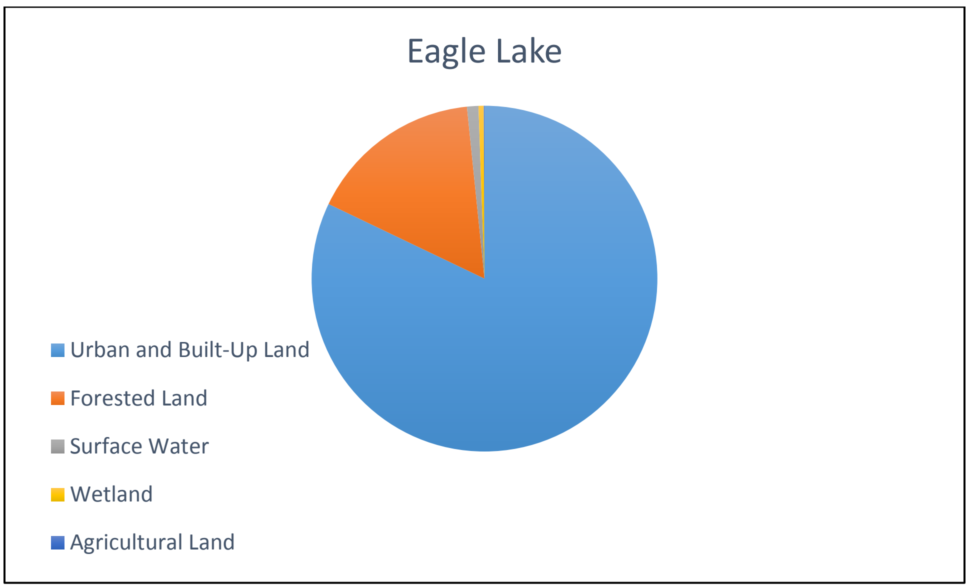
Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Open Water	330.92	2.29	Surface Water
21	Developed, Open Space	4218.82	29.21	Urban and Built-Up Land
22	Developed, Low Intensity	4456.56	30.85	Urban and Built-Up Land
23	Developed, Medium Intensity	2191.48	15.17	Urban and Built-Up Land
24	Developed, High Intensity	1017.90	7.05	Urban and Built-Up Land
31	Barren Land	2.22	0.02	Barren and Exposed Land
41	Deciduous Forest	1031.91	7.14	Forested Land
42	Evergreen Forest	1.11	0.01	Forested Land
43	Mixed Forest	19.35	0.13	Forested Land
52	Shrub/Scrub	4.89	0.03	Forested Land
71	Herbaceous	80.06	0.55	Forested Land
82	Cultivated Crops	141.89	0.98	Agricultural Land
90	Woody Wetlands	918.93	6.36	Wetland
95	Emergent Herbaceous Wetlands	29.36	0.20	Wetland
	Total	**14445.41**	**100**	



Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
11	Open Water	44.70	12.55	Surface Water
21	Developed, Open Space	31.58	8.87	Urban and Built-Up Land
22	Developed, Low Intensity	193.93	54.47	Urban and Built-Up Land
23	Developed, Medium Intensity	32.25	9.06	Urban and Built-Up Land
24	Developed, High Intensity	7.12	2.00	Urban and Built-Up Land
41	Deciduous Forest	32.69	9.18	Forested Land
42	Evergreen Forest	1.33	0.37	Forested Land
43	Mixed Forest	1.11	0.31	Forested Land
71	Herbaceous	10.23	2.87	Forested Land
90	Woody Wetlands	1.11	0.31	Wetland
	Total	**356.05**	**100**	



Land Cover Code	Land Cover Category	Area (Acres)	Percent Area (%)	Category
14	Other Small Grains and Hay	0.29	0.06	Agricultural Land
13	Winter Wheat	0.00	0.00	Agricultural Land
25	Partial Canopy/Savanna Upland	24.34	5.40	Forested Land
23	Upland: Dry-Mesic	13.94	3.09	Forested Land
24	Upland: Mesic	34.64	7.68	Forested Land
51	Surface Water	4.80	1.06	Surface Water
31	High Density Urban	86.33	19.14	Urban and Built-Up Land
34	Low Density Urban	40.21	8.91	Urban and Built-Up Land
33	Medium Density Urban	175.70	38.95	Urban and Built-Up Land
35	Urban Open Space	65.68	14.56	Urban and Built-Up Land
42	Deep Marsh	0.79	0.17	Wetland
41	Shallow Marsh/Wet Meadow	1.40	0.31	Wetland
	Total	**448.12**	**100**	



Appendix C

SSURGO Soil Series

Hydrologic Group - Dominant Condition	Area (Acres)	Percent Area (%)
A	8.35	0.01
A/D	102.15	0.12
B	5595.03	6.43
B/D	2317.29	2.66
C	12570.16	14.45
C/D	1275.24	1.47
D	14954.74	17.19
(blank)	50163.02	57.67
Total	**86985.97**	**100**

Soil Description	Area (Acres)	Percent Area (%)
Andres silt loam	9.08	0.01
Andres silt loam	6.32	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	7.02	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	10.59	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.98	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	4.60	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	50.46	0.06
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.27	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.04	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	6.27	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	4.95	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.93	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.21	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	33.34	0.04
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.95	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	10.01	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	10.18	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	16.56	0.02
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	11.31	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.16	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	20.06	0.02
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	6.39	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	1.36	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	4.98	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	10.43	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	21.78	0.03
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	3.85	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.48	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	7.05	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	13.73	0.02
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	1.26	0.00

Soil Description	Area (Acres)	Percent Area (%)
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	5.04	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	13.86	0.02
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.39	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	2.59	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	3.68	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	4.20	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	3.52	0.00
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	9.46	0.01
Aptakisic and Nappanee silt loams, 0 to 2 percent slopes	0.86	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	5.58	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	2.02	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	3.62	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	11.28	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	14.90	0.02
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	15.89	0.02
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	4.01	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	4.12	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.71	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.92	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	4.75	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	17.90	0.02
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.25	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	12.51	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	4.42	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	52.90	0.06
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	0.78	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.24	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	5.63	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	2.29	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	3.25	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	3.38	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	7.96	0.01
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.42	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	1.84	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	2.83	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	3.50	0.00
Aptakisic and Nappanee silt loams, 2 to 4 percent slopes	3.52	0.00
Aptakisic silt loam, 0 to 2 percent slopes	2.41	0.00
Aptakisic silt loam, 0 to 2 percent slopes	7.66	0.01
Aptakisic silt loam, 0 to 2 percent slopes	0.63	0.00
Aptakisic silt loam, 0 to 2 percent slopes	1.73	0.00
Aptakisic silt loam, 0 to 2 percent slopes	56.48	0.06

Soil Description	Area (Acres)	Percent Area (%)
Aptakisic silt loam, 0 to 2 percent slopes	3.54	0.00
Aptakisic silt loam, 0 to 2 percent slopes	3.96	0.00
Aptakisic silt loam, 0 to 2 percent slopes	8.46	0.01
Aptakisic silt loam, 0 to 2 percent slopes	2.02	0.00
Aptakisic silt loam, 0 to 2 percent slopes	11.46	0.01
Aptakisic silt loam, 0 to 2 percent slopes	0.67	0.00
Aptakisic silt loam, 0 to 2 percent slopes	20.95	0.02
Aptakisic silt loam, 0 to 2 percent slopes	9.04	0.01
Aptakisic silt loam, 0 to 2 percent slopes	11.67	0.01
Aptakisic silt loam, 0 to 2 percent slopes	8.90	0.01
Aptakisic silt loam, 0 to 2 percent slopes	17.11	0.02
Ashkum silty clay loam	2.60	0.00
Ashkum silty clay loam	2.40	0.00
Ashkum silty clay loam	3.53	0.00
Ashkum silty clay loam	15.21	0.02
Ashkum silty clay loam	4.75	0.01
Ashkum silty clay loam	9.13	0.01
Ashkum silty clay loam	3.88	0.00
Ashkum silty clay loam	179.03	0.21
Ashkum silty clay loam	23.47	0.03
Ashkum silty clay loam	10.69	0.01
Ashkum silty clay loam	68.08	0.08
Ashkum silty clay loam	30.65	0.04
Ashkum silty clay loam	2.89	0.00
Ashkum silty clay loam	3.44	0.00
Ashkum silty clay loam	2.84	0.00
Ashkum silty clay loam	4.79	0.01
Ashkum silty clay loam	20.87	0.02
Ashkum silty clay loam	17.02	0.02
Ashkum silty clay loam	8.96	0.01
Ashkum silty clay loam	2.16	0.00
Ashkum silty clay loam	12.27	0.01
Ashkum silty clay loam	12.74	0.01
Ashkum silty clay loam	2.37	0.00
Ashkum silty clay loam	6.75	0.01
Ashkum silty clay loam	23.09	0.03
Ashkum silty clay loam	3.25	0.00
Ashkum silty clay loam	3.66	0.00
Ashkum silty clay loam	5.82	0.01
Ashkum silty clay loam	49.04	0.06
Ashkum silty clay loam	1.49	0.00
Ashkum silty clay loam	3.12	0.00

Soil Description	Area (Acres)	Percent Area (%)
Ashkum silty clay loam	3.73	0.00
Ashkum silty clay loam	6.70	0.01
Ashkum silty clay loam	64.22	0.07
Ashkum silty clay loam	17.43	0.02
Ashkum silty clay loam	14.88	0.02
Ashkum silty clay loam	4.52	0.01
Ashkum silty clay loam	2.43	0.00
Ashkum silty clay loam	7.90	0.01
Ashkum silty clay loam	6.16	0.01
Ashkum silty clay loam	2.71	0.00
Ashkum silty clay loam	3.32	0.00
Ashkum silty clay loam	10.94	0.01
Ashkum silty clay loam	7.37	0.01
Ashkum silty clay loam	2.35	0.00
Ashkum silty clay loam	3.42	0.00
Ashkum silty clay loam	2.71	0.00
Ashkum silty clay loam	7.38	0.01
Ashkum silty clay loam	12.15	0.01
Ashkum silty clay loam	3.80	0.00
Ashkum silty clay loam	3.87	0.00
Ashkum silty clay loam	18.52	0.02
Ashkum silty clay loam	6.21	0.01
Ashkum silty clay loam	4.51	0.01
Ashkum silty clay loam	1.51	0.00
Ashkum silty clay loam	15.19	0.02
Ashkum silty clay loam	4.13	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	4.56	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	4.06	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	13.00	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	18.47	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	12.80	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	5.34	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	18.98	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	23.48	0.03
Ashkum silty clay loam, 0 to 2 percent slopes	5.64	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	9.32	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	138.07	0.16
Ashkum silty clay loam, 0 to 2 percent slopes	0.06	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	1.89	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	5.02	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	38.88	0.04
Ashkum silty clay loam, 0 to 2 percent slopes	17.85	0.02

Soil Description	Area (Acres)	Percent Area (%)
Ashkum silty clay loam, 0 to 2 percent slopes	2.58	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	14.75	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	4.17	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	3.92	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	8.48	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	20.70	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	2.98	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	12.90	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	3.46	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	7.54	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	3.62	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	5.07	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	18.64	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	150.74	0.17
Ashkum silty clay loam, 0 to 2 percent slopes	8.99	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	3.46	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	4.17	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	7.01	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	0.32	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	4.67	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	35.24	0.04
Ashkum silty clay loam, 0 to 2 percent slopes	3.46	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	12.34	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	17.83	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	9.95	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	54.43	0.06
Ashkum silty clay loam, 0 to 2 percent slopes	2.55	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	29.62	0.03
Ashkum silty clay loam, 0 to 2 percent slopes	11.74	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	11.94	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	12.08	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	3.87	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	39.03	0.04
Ashkum silty clay loam, 0 to 2 percent slopes	1.68	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	4.03	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	24.47	0.03
Ashkum silty clay loam, 0 to 2 percent slopes	15.22	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	3.04	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	13.44	0.02
Ashkum silty clay loam, 0 to 2 percent slopes	7.73	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	7.26	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	4.81	0.01

Soil Description	Area (Acres)	Percent Area (%)
Ashkum silty clay loam, 0 to 2 percent slopes	11.17	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	52.25	0.06
Ashkum silty clay loam, 0 to 2 percent slopes	1.78	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	2.67	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	5.92	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	1.65	0.00
Ashkum silty clay loam, 0 to 2 percent slopes	4.77	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	4.62	0.01
Ashkum silty clay loam, 0 to 2 percent slopes	6.88	0.01
Barrington silt loam, 0 to 2 percent slopes	3.70	0.00
Barrington silt loam, 2 to 5 percent slopes	3.96	0.00
Barrington silt loam, 2 to 5 percent slopes	8.33	0.01
Barrington silt loam, 2 to 5 percent slopes	10.19	0.01
Barrington silt loam, 2 to 5 percent slopes	2.89	0.00
Barrington silt loam, 2 to 5 percent slopes	5.32	0.01
Barrington silt loam, 2 to 5 percent slopes	3.44	0.00
Barrington silt loam, 2 to 5 percent slopes	3.89	0.00
Barrington silt loam, 2 to 5 percent slopes	1.92	0.00
Beecher silt loam	6.81	0.01
Beecher silt loam	11.42	0.01
Beecher silt loam	9.34	0.01
Beecher silt loam	50.68	0.06
Beecher silt loam	5.00	0.01
Beecher silt loam	3.46	0.00
Beecher silt loam	2.31	0.00
Beecher silt loam	8.49	0.01
Beecher silt loam	2.92	0.00
Beecher silt loam	35.52	0.04
Beecher silt loam	19.12	0.02
Beecher silt loam	11.53	0.01
Beecher silt loam	10.12	0.01
Beecher silt loam	6.64	0.01
Beecher silt loam	10.48	0.01
Beecher silt loam	1.08	0.00
Beecher silt loam	5.13	0.01
Beecher silt loam	42.24	0.05
Beecher silt loam	2.21	0.00
Beecher silt loam	14.88	0.02
Beecher silt loam	18.94	0.02
Beecher silt loam	4.06	0.00
Beecher silt loam	7.75	0.01
Beecher silt loam	2.97	0.00

Soil Description	Area (Acres)	Percent Area (%)
Beecher silt loam	10.64	0.01
Beecher silt loam	16.82	0.02
Beecher silt loam	3.25	0.00
Beecher silt loam	8.30	0.01
Beecher silt loam	2.05	0.00
Beecher silt loam	57.34	0.07
Beecher silt loam	20.92	0.02
Beecher silt loam	6.00	0.01
Beecher silt loam	8.42	0.01
Beecher silt loam	42.15	0.05
Beecher silt loam	6.77	0.01
Beecher silt loam	2.01	0.00
Beecher silt loam	7.06	0.01
Beecher silt loam	4.95	0.01
Beecher silt loam	1.37	0.00
Beecher silt loam	19.32	0.02
Beecher silt loam	41.46	0.05
Beecher silt loam	3.74	0.00
Beecher silt loam	29.03	0.03
Beecher silt loam	0.74	0.00
Beecher silt loam, 0 to 2 percent slopes	3.86	0.00
Beecher silt loam, 0 to 2 percent slopes	4.42	0.01
Beecher silt loam, 0 to 2 percent slopes	1.00	0.00
Beecher silt loam, 0 to 2 percent slopes	1.83	0.00
Beecher silt loam, 0 to 2 percent slopes	12.55	0.01
Beecher silt loam, 0 to 2 percent slopes	5.15	0.01
Beecher silt loam, 0 to 2 percent slopes	6.18	0.01
Beecher silt loam, 0 to 2 percent slopes	5.30	0.01
Beecher silt loam, 0 to 2 percent slopes	10.71	0.01
Beecher silt loam, 0 to 2 percent slopes	5.03	0.01
Beecher silt loam, 0 to 2 percent slopes	8.11	0.01
Beecher silt loam, 0 to 2 percent slopes	7.20	0.01
Beecher silt loam, 0 to 2 percent slopes	11.60	0.01
Beecher silt loam, 0 to 2 percent slopes	12.89	0.01
Beecher silt loam, 0 to 2 percent slopes	8.24	0.01
Beecher silt loam, 0 to 2 percent slopes	13.47	0.02
Beecher silt loam, 0 to 2 percent slopes	35.83	0.04
Beecher silt loam, 0 to 2 percent slopes	30.28	0.03
Beecher silt loam, 0 to 2 percent slopes	15.71	0.02
Beecher silt loam, 0 to 2 percent slopes	37.29	0.04
Beecher silt loam, 0 to 2 percent slopes	15.38	0.02
Beecher silt loam, 0 to 2 percent slopes	2.76	0.00

Soil Description	Area (Acres)	Percent Area (%)
Beecher silt loam, 0 to 2 percent slopes	7.68	0.01
Beecher silt loam, 0 to 2 percent slopes	7.84	0.01
Beecher silt loam, 0 to 2 percent slopes	22.28	0.03
Beecher silt loam, 0 to 2 percent slopes	8.14	0.01
Beecher silt loam, 0 to 2 percent slopes	5.40	0.01
Beecher silt loam, 0 to 2 percent slopes	2.98	0.00
Beecher silt loam, 0 to 2 percent slopes	7.86	0.01
Beecher silt loam, 0 to 2 percent slopes	5.40	0.01
Beecher silt loam, 0 to 2 percent slopes	10.02	0.01
Beecher silt loam, 0 to 2 percent slopes	5.53	0.01
Beecher silt loam, 0 to 2 percent slopes	7.51	0.01
Beecher silt loam, 0 to 2 percent slopes	6.04	0.01
Beecher silt loam, 0 to 2 percent slopes	12.22	0.01
Beecher silt loam, 0 to 2 percent slopes	3.79	0.00
Beecher silt loam, 0 to 2 percent slopes	0.80	0.00
Beecher silt loam, 0 to 2 percent slopes	5.82	0.01
Beecher silt loam, 0 to 2 percent slopes	30.06	0.03
Beecher silt loam, 0 to 2 percent slopes	11.77	0.01
Beecher silt loam, 0 to 2 percent slopes	25.27	0.03
Beecher silt loam, 2 to 4 percent slopes	3.95	0.00
Beecher silt loam, 2 to 4 percent slopes	15.77	0.02
Beecher silt loam, 2 to 4 percent slopes	54.23	0.06
Beecher silt loam, 2 to 4 percent slopes	9.42	0.01
Beecher silt loam, 2 to 4 percent slopes	6.09	0.01
Beecher silt loam, 2 to 4 percent slopes	0.74	0.00
Beecher silt loam, 2 to 4 percent slopes	8.68	0.01
Beecher silt loam, 2 to 4 percent slopes	9.58	0.01
Beecher silt loam, 2 to 4 percent slopes	4.24	0.00
Beecher silt loam, 2 to 4 percent slopes	14.65	0.02
Beecher silt loam, 2 to 4 percent slopes	5.21	0.01
Beecher silt loam, 2 to 4 percent slopes	27.20	0.03
Beecher silt loam, 2 to 4 percent slopes	6.69	0.01
Beecher silt loam, 2 to 4 percent slopes	2.95	0.00
Beecher silt loam, 2 to 4 percent slopes	1.80	0.00
Beecher silt loam, 2 to 4 percent slopes	11.40	0.01
Beecher silt loam, 2 to 4 percent slopes	5.58	0.01
Beecher silt loam, 2 to 4 percent slopes	2.86	0.00
Beecher silt loam, 2 to 4 percent slopes	7.08	0.01
Beecher silt loam, 2 to 4 percent slopes	3.18	0.00
Beecher silt loam, 2 to 4 percent slopes	11.57	0.01
Beecher silt loam, 2 to 4 percent slopes	22.83	0.03
Beecher silt loam, 2 to 4 percent slopes	12.79	0.01

Soil Description	Area (Acres)	Percent Area (%)
Beecher silt loam, 2 to 4 percent slopes	18.26	0.02
Beecher silt loam, 2 to 4 percent slopes	5.94	0.01
Blount silt loam	5.67	0.01
Blount silt loam	57.21	0.07
Blount silt loam	58.86	0.07
Blount silt loam	53.87	0.06
Blount silt loam	9.14	0.01
Blount silt loam	13.43	0.02
Blount silt loam	211.96	0.24
Blount silt loam	2.29	0.00
Blount silt loam	155.00	0.18
Blount silt loam	5.68	0.01
Blount silt loam	9.17	0.01
Blount silt loam	29.33	0.03
Blount silt loam	1.00	0.00
Blount silt loam	10.06	0.01
Blount silt loam, 0 to 2 percent slopes	3.31	0.00
Blount silt loam, 0 to 2 percent slopes	21.75	0.03
Blount silt loam, 0 to 2 percent slopes	0.00	0.00
Blount silt loam, 0 to 2 percent slopes	5.03	0.01
Blount silt loam, 0 to 2 percent slopes	0.59	0.00
Blount silt loam, 0 to 2 percent slopes	1.52	0.00
Blount silt loam, 0 to 2 percent slopes	11.52	0.01
Blount silt loam, 0 to 2 percent slopes	12.69	0.01
Blount silt loam, 0 to 2 percent slopes	4.06	0.00
Blount silt loam, 0 to 2 percent slopes	10.31	0.01
Blount silt loam, 0 to 2 percent slopes	2.21	0.00
Blount silt loam, 0 to 2 percent slopes	4.43	0.01
Blount silt loam, 0 to 2 percent slopes	5.50	0.01
Blount silt loam, 0 to 2 percent slopes	11.69	0.01
Blount silt loam, 0 to 2 percent slopes	5.01	0.01
Blount silt loam, 0 to 2 percent slopes	60.66	0.07
Blount silt loam, 0 to 2 percent slopes	4.50	0.01
Blount silt loam, 0 to 2 percent slopes	2.98	0.00
Blount silt loam, 0 to 2 percent slopes	11.36	0.01
Blount silt loam, 0 to 2 percent slopes	5.97	0.01
Blount silt loam, 0 to 2 percent slopes	1.84	0.00
Blount silt loam, 0 to 2 percent slopes	11.59	0.01
Blount silt loam, 0 to 2 percent slopes	4.75	0.01
Blount silt loam, 0 to 2 percent slopes	5.34	0.01
Blount silt loam, 0 to 2 percent slopes	14.06	0.02
Blount silt loam, 0 to 2 percent slopes	7.54	0.01

Soil Description	Area (Acres)	Percent Area (%)
Blount silt loam, 0 to 2 percent slopes	206.29	0.24
Blount silt loam, 0 to 2 percent slopes	20.88	0.02
Blount silt loam, 0 to 2 percent slopes	72.14	0.08
Blount silt loam, 0 to 2 percent slopes	19.57	0.02
Blount silt loam, 2 to 4 percent slopes	1.15	0.00
Blount silt loam, 2 to 4 percent slopes	2.93	0.00
Blount silt loam, 2 to 4 percent slopes	3.97	0.00
Blount silt loam, 2 to 4 percent slopes	2.31	0.00
Blount silt loam, 2 to 4 percent slopes	12.35	0.01
Blount silt loam, 2 to 4 percent slopes	5.02	0.01
Blount silt loam, 2 to 4 percent slopes	35.20	0.04
Blount silt loam, 2 to 4 percent slopes	1.76	0.00
Blount silt loam, 2 to 4 percent slopes	15.74	0.02
Bryce silty clay	3.06	0.00
Bryce silty clay	12.71	0.01
Bryce silty clay	6.84	0.01
Bryce silty clay	7.79	0.01
Bryce silty clay	19.84	0.02
Bryce silty clay	8.36	0.01
Bryce silty clay	8.15	0.01
Bryce silty clay	8.51	0.01
Bryce silty clay	0.26	0.00
Bryce silty clay	23.33	0.03
Bryce silty clay	0.14	0.00
Bryce silty clay	4.37	0.01
Bryce silty clay	2.95	0.00
Del Rey silt loam	22.85	0.03
Del Rey silt loam	26.49	0.03
Del Rey silt loam	25.87	0.03
Del Rey silt loam	3.95	0.00
Del Rey silt loam	12.44	0.01
Del Rey silt loam	1.56	0.00
Del Rey silt loam	16.40	0.02
Del Rey silt loam	4.08	0.00
Del Rey silt loam	6.11	0.01
Del Rey silt loam	7.47	0.01
Del Rey silt loam, 0 to 2 percent slopes	3.85	0.00
Del Rey silt loam, 0 to 2 percent slopes	5.51	0.01
Del Rey silt loam, 0 to 2 percent slopes	0.39	0.00
Del Rey silt loam, 0 to 2 percent slopes	1.54	0.00
Del Rey silt loam, 0 to 2 percent slopes	5.94	0.01
Del Rey silt loam, 0 to 2 percent slopes	31.99	0.04

Soil Description	Area (Acres)	Percent Area (%)
Del Rey silt loam, 0 to 2 percent slopes	3.26	0.00
Del Rey silt loam, 0 to 2 percent slopes	6.02	0.01
Del Rey silt loam, 0 to 2 percent slopes	4.96	0.01
Del Rey silt loam, 0 to 2 percent slopes	5.96	0.01
Del Rey silt loam, 0 to 2 percent slopes	2.58	0.00
Del Rey silt loam, 0 to 2 percent slopes	10.66	0.01
Del Rey silt loam, 0 to 2 percent slopes	4.53	0.01
Del Rey silt loam, 0 to 2 percent slopes	7.67	0.01
Del Rey silt loam, 0 to 2 percent slopes	55.33	0.06
Del Rey silt loam, 0 to 2 percent slopes	2.41	0.00
Del Rey silt loam, 0 to 2 percent slopes	2.87	0.00
Del Rey silt loam, 0 to 2 percent slopes	10.19	0.01
Del Rey silt loam, 0 to 2 percent slopes	743.53	0.85
Del Rey silt loam, 0 to 2 percent slopes	6.00	0.01
Del Rey silt loam, 0 to 2 percent slopes	3.07	0.00
Del Rey silt loam, 0 to 2 percent slopes	4.37	0.01
Del Rey silt loam, 0 to 2 percent slopes	14.39	0.02
Del Rey silt loam, 0 to 2 percent slopes	2.95	0.00
Del Rey silt loam, 0 to 2 percent slopes	9.41	0.01
Del Rey silt loam, 0 to 2 percent slopes	2.46	0.00
Del Rey silt loam, 0 to 2 percent slopes	0.95	0.00
Del Rey silt loam, 0 to 2 percent slopes	5.88	0.01
Del Rey silt loam, 0 to 2 percent slopes	3.45	0.00
Del Rey silt loam, 0 to 2 percent slopes	2.36	0.00
Del Rey silt loam, 0 to 2 percent slopes	4.96	0.01
Del Rey silt loam, 0 to 2 percent slopes	3.76	0.00
Del Rey silt loam, 0 to 2 percent slopes	2.54	0.00
Del Rey silt loam, 0 to 2 percent slopes	148.27	0.17
Del Rey silt loam, 0 to 2 percent slopes	1.43	0.00
Del Rey silt loam, 0 to 2 percent slopes	11.48	0.01
Del Rey silt loam, 0 to 2 percent slopes	1.61	0.00
Del Rey silt loam, 0 to 2 percent slopes	1.46	0.00
Del Rey silt loam, 0 to 2 percent slopes	2.55	0.00
Del Rey silt loam, 0 to 2 percent slopes	15.87	0.02
Del Rey silt loam, 0 to 2 percent slopes	13.42	0.02
Del Rey silt loam, 0 to 2 percent slopes	99.38	0.11
Del Rey silt loam, 0 to 2 percent slopes	24.07	0.03
Del Rey silt loam, 0 to 2 percent slopes	12.16	0.01
Del Rey silt loam, 0 to 2 percent slopes	9.48	0.01
Del Rey silt loam, 0 to 2 percent slopes	29.54	0.03
Del Rey silt loam, 0 to 2 percent slopes	9.12	0.01
Del Rey silt loam, 2 to 4 percent slopes	20.37	0.02

Soil Description	Area (Acres)	Percent Area (%)
Del Rey silt loam, 2 to 4 percent slopes	23.11	0.03
Del Rey silt loam, 2 to 4 percent slopes	2.62	0.00
Del Rey silt loam, 2 to 4 percent slopes	24.25	0.03
Del Rey silt loam, 2 to 4 percent slopes	15.79	0.02
Del Rey silt loam, 2 to 4 percent slopes	36.28	0.04
Del Rey silt loam, 2 to 4 percent slopes	40.99	0.05
Del Rey silt loam, 2 to 4 percent slopes	7.48	0.01
Del Rey silt loam, 2 to 4 percent slopes	22.20	0.03
Del Rey silt loam, 2 to 4 percent slopes	2.79	0.00
Del Rey silt loam, 2 to 4 percent slopes	13.61	0.02
Del Rey silt loam, 2 to 4 percent slopes	20.36	0.02
Del Rey silt loam, 2 to 4 percent slopes	2.47	0.00
Del Rey silt loam, 2 to 4 percent slopes	7.32	0.01
Del Rey silt loam, 2 to 4 percent slopes	1.98	0.00
Del Rey silt loam, 2 to 4 percent slopes	18.62	0.02
Drummer silty clay loam	4.22	0.00
Drummer silty clay loam	19.97	0.02
Drummer silty clay loam	8.71	0.01
Drummer silty clay loam	10.39	0.01
Drummer silty clay loam	5.84	0.01
Drummer silty clay loam	162.58	0.19
Drummer silty clay loam	2.33	0.00
Drummer silty clay loam	3.59	0.00
Drummer silty clay loam	1.66	0.00
Drummer silty clay loam	2.61	0.00
Drummer silty clay loam	4.73	0.01
Drummer silty clay loam	12.39	0.01
Dumps	3.24	0.00
Dumps	3.60	0.00
Dumps	14.84	0.02
Dumps	5.11	0.01
Dumps	30.63	0.04
Elliott silt loam	6.37	0.01
Elliott silt loam	1.79	0.00
Elliott silt loam	28.52	0.03
Elliott silt loam	51.14	0.06
Elliott silt loam	3.87	0.00
Elliott silt loam	9.90	0.01
Elliott silt loam	5.34	0.01
Elliott silt loam	2.60	0.00
Elliott silt loam	5.13	0.01
Elliott silt loam	12.86	0.01

Soil Description	Area (Acres)	Percent Area (%)
Elliott silt loam	17.90	0.02
Elliott silt loam	40.64	0.05
Elliott silt loam	4.58	0.01
Elliott silt loam	2.98	0.00
Elliott silt loam	8.19	0.01
Elliott silt loam	8.09	0.01
Elliott silt loam	2.82	0.00
Elliott silt loam	2.36	0.00
Elliott silt loam	1.89	0.00
Elliott silt loam	10.23	0.01
Elliott silt loam	3.21	0.00
Elliott silt loam	22.07	0.03
Elliott silt loam	6.15	0.01
Elliott silt loam	1.41	0.00
Elliott silt loam	10.42	0.01
Frankfort silt loam, 0 to 2 percent slopes	7.13	0.01
Frankfort silt loam, 0 to 2 percent slopes	1.25	0.00
Frankfort silt loam, 0 to 2 percent slopes	6.66	0.01
Frankfort silt loam, 0 to 2 percent slopes	2.98	0.00
Frankfort silt loam, 0 to 2 percent slopes	2.98	0.00
Frankfort silt loam, 0 to 2 percent slopes	6.26	0.01
Frankfort silt loam, 0 to 2 percent slopes	10.04	0.01
Frankfort silt loam, 0 to 2 percent slopes	1.43	0.00
Frankfort silt loam, 0 to 2 percent slopes	1.19	0.00
Frankfort silt loam, 0 to 2 percent slopes	15.03	0.02
Frankfort silt loam, 0 to 2 percent slopes	1.30	0.00
Frankfort silt loam, 0 to 2 percent slopes	9.49	0.01
Frankfort silt loam, 0 to 2 percent slopes	2.39	0.00
Frankfort silt loam, 0 to 2 percent slopes	11.93	0.01
Frankfort silt loam, 0 to 2 percent slopes	10.01	0.01
Frankfort silt loam, 0 to 2 percent slopes	8.23	0.01
Frankfort silt loam, 0 to 2 percent slopes	7.89	0.01
Frankfort silt loam, 0 to 2 percent slopes	7.54	0.01
Frankfort silt loam, 0 to 2 percent slopes	3.31	0.00
Frankfort silt loam, 0 to 2 percent slopes	10.60	0.01
Frankfort silt loam, 0 to 2 percent slopes	7.84	0.01
Frankfort silt loam, 0 to 2 percent slopes	4.30	0.00
Frankfort silt loam, 0 to 2 percent slopes	1.98	0.00
Frankfort silt loam, 0 to 2 percent slopes	5.89	0.01
Frankfort silt loam, 0 to 2 percent slopes	4.85	0.01
Frankfort silt loam, 0 to 2 percent slopes	12.50	0.01
Frankfort silt loam, 0 to 2 percent slopes	5.81	0.01

Soil Description	Area (Acres)	Percent Area (%)
Frankfort silt loam, 0 to 2 percent slopes	0.59	0.00
Frankfort silt loam, 0 to 2 percent slopes	5.11	0.01
Frankfort silt loam, 0 to 2 percent slopes	55.75	0.06
Frankfort silt loam, 0 to 2 percent slopes	2.43	0.00
Frankfort silt loam, 0 to 2 percent slopes	6.19	0.01
Frankfort silt loam, 0 to 2 percent slopes	10.23	0.01
Frankfort silt loam, 0 to 2 percent slopes	11.58	0.01
Frankfort silt loam, 0 to 2 percent slopes	2.88	0.00
Frankfort silt loam, 0 to 2 percent slopes	18.96	0.02
Frankfort silt loam, 0 to 2 percent slopes	13.65	0.02
Frankfort silt loam, 0 to 2 percent slopes	65.90	0.08
Frankfort silt loam, 0 to 2 percent slopes	4.72	0.01
Frankfort silt loam, 0 to 2 percent slopes	10.87	0.01
Frankfort silt loam, 0 to 2 percent slopes	17.70	0.02
Frankfort silt loam, 0 to 2 percent slopes	1.10	0.00
Frankfort silt loam, 0 to 2 percent slopes	0.69	0.00
Frankfort silt loam, 0 to 2 percent slopes	5.04	0.01
Frankfort silt loam, 0 to 2 percent slopes	45.06	0.05
Frankfort silt loam, 0 to 2 percent slopes	5.63	0.01
Frankfort silt loam, 0 to 2 percent slopes	195.56	0.22
Frankfort silt loam, 0 to 2 percent slopes	24.48	0.03
Frankfort silt loam, 0 to 2 percent slopes	0.74	0.00
Frankfort silt loam, 0 to 2 percent slopes	3.14	0.00
Frankfort silt loam, 0 to 2 percent slopes	4.17	0.00
Frankfort silt loam, 0 to 2 percent slopes	18.33	0.02
Frankfort silt loam, 0 to 2 percent slopes	12.27	0.01
Frankfort silt loam, 0 to 2 percent slopes	15.57	0.02
Frankfort silt loam, 0 to 2 percent slopes	7.30	0.01
Frankfort silt loam, 0 to 2 percent slopes	14.11	0.02
Frankfort silt loam, 0 to 2 percent slopes	14.49	0.02
Frankfort silt loam, 0 to 2 percent slopes	2.97	0.00
Frankfort silt loam, 0 to 2 percent slopes	6.09	0.01
Frankfort silt loam, 0 to 2 percent slopes	10.24	0.01
Frankfort silt loam, 0 to 2 percent slopes	3.06	0.00
Frankfort silt loam, 0 to 2 percent slopes	1.26	0.00
Frankfort silt loam, 0 to 2 percent slopes	3.74	0.00
Frankfort silt loam, 0 to 2 percent slopes	384.63	0.44
Frankfort silt loam, 0 to 2 percent slopes	6.00	0.01
Frankfort silt loam, 0 to 2 percent slopes	33.36	0.04
Frankfort silt loam, 0 to 2 percent slopes	2.34	0.00
Frankfort silt loam, 0 to 2 percent slopes	9.65	0.01
Frankfort silt loam, 0 to 2 percent slopes	2.36	0.00

Soil Description	Area (Acres)	Percent Area (%)
Frankfort silt loam, 0 to 2 percent slopes	5.70	0.01
Frankfort silt loam, 0 to 2 percent slopes	3.18	0.00
Frankfort silt loam, 0 to 2 percent slopes	8.06	0.01
Frankfort silt loam, 0 to 2 percent slopes	1.69	0.00
Frankfort silt loam, 0 to 2 percent slopes	28.05	0.03
Frankfort silt loam, 0 to 2 percent slopes	3.92	0.00
Frankfort silt loam, 0 to 2 percent slopes	7.42	0.01
Frankfort silt loam, 0 to 2 percent slopes	12.45	0.01
Frankfort silt loam, 0 to 2 percent slopes	7.70	0.01
Frankfort silt loam, 0 to 2 percent slopes	4.98	0.01
Frankfort silt loam, 0 to 2 percent slopes	5.05	0.01
Frankfort silt loam, 0 to 2 percent slopes	44.21	0.05
Frankfort silt loam, 0 to 2 percent slopes	12.02	0.01
Frankfort silt loam, 0 to 2 percent slopes	16.22	0.02
Frankfort silt loam, 0 to 2 percent slopes	12.79	0.01
Frankfort silt loam, 0 to 2 percent slopes	12.65	0.01
Frankfort silt loam, 0 to 2 percent slopes	8.49	0.01
Frankfort silt loam, 0 to 2 percent slopes	8.25	0.01
Frankfort silt loam, 0 to 2 percent slopes	1.28	0.00
Frankfort silt loam, 0 to 2 percent slopes	13.25	0.02
Frankfort silt loam, 0 to 2 percent slopes	2.83	0.00
Frankfort silt loam, 0 to 2 percent slopes	2.22	0.00
Frankfort silt loam, 0 to 2 percent slopes	7.45	0.01
Frankfort silt loam, 0 to 2 percent slopes	103.94	0.12
Frankfort silt loam, 0 to 2 percent slopes	9.53	0.01
Frankfort silt loam, 0 to 2 percent slopes	4.28	0.00
Frankfort silt loam, 0 to 2 percent slopes	0.02	0.00
Frankfort silt loam, 0 to 2 percent slopes	2.67	0.00
Frankfort silt loam, 0 to 2 percent slopes	1.21	0.00
Frankfort silt loam, 0 to 2 percent slopes	35.81	0.04
Frankfort silt loam, 0 to 2 percent slopes	8.87	0.01
Frankfort silt loam, 0 to 2 percent slopes	23.58	0.03
Frankfort silt loam, 0 to 2 percent slopes	10.31	0.01
Frankfort silt loam, 0 to 2 percent slopes	97.92	0.11
Frankfort silt loam, 0 to 2 percent slopes	18.71	0.02
Frankfort silt loam, 0 to 2 percent slopes	36.56	0.04
Frankfort silt loam, 0 to 2 percent slopes	4.93	0.01
Frankfort silt loam, 0 to 2 percent slopes	78.95	0.09
Frankfort silt loam, 0 to 2 percent slopes	22.51	0.03
Frankfort silt loam, 0 to 2 percent slopes	11.45	0.01
Frankfort silt loam, 0 to 2 percent slopes	98.45	0.11
Frankfort silt loam, 0 to 2 percent slopes	5.32	0.01

Soil Description	Area (Acres)	Percent Area (%)
Frankfort silt loam, 0 to 2 percent slopes	109.32	0.13
Frankfort silt loam, 0 to 2 percent slopes	151.65	0.17
Frankfort silt loam, 0 to 2 percent slopes	10.20	0.01
Frankfort silt loam, 0 to 2 percent slopes	15.65	0.02
Frankfort silt loam, 0 to 2 percent slopes	75.23	0.09
Frankfort silt loam, 0 to 2 percent slopes	13.21	0.02
Frankfort silt loam, 0 to 2 percent slopes	75.67	0.09
Frankfort silt loam, 0 to 2 percent slopes	19.43	0.02
Frankfort silt loam, 0 to 2 percent slopes	19.55	0.02
Frankfort silt loam, 0 to 2 percent slopes	8.40	0.01
Frankfort silt loam, 0 to 2 percent slopes	22.87	0.03
Frankfort silt loam, 0 to 2 percent slopes	173.85	0.20
Frankfort silt loam, 0 to 2 percent slopes	6.49	0.01
Frankfort silt loam, 0 to 2 percent slopes	11.31	0.01
Frankfort silt loam, 0 to 2 percent slopes	6.69	0.01
Frankfort silt loam, 0 to 2 percent slopes	9.84	0.01
Frankfort silt loam, 0 to 2 percent slopes	26.49	0.03
Frankfort silt loam, 0 to 2 percent slopes	1.14	0.00
Frankfort silt loam, 0 to 2 percent slopes	2.65	0.00
Frankfort silt loam, 0 to 2 percent slopes	2.54	0.00
Frankfort silt loam, 2 to 4 percent slopes	8.86	0.01
Frankfort silt loam, 2 to 4 percent slopes	6.70	0.01
Frankfort silt loam, 2 to 4 percent slopes	5.86	0.01
Frankfort silt loam, 2 to 4 percent slopes	6.19	0.01
Frankfort silt loam, 2 to 4 percent slopes	173.61	0.20
Frankfort silt loam, 2 to 4 percent slopes	9.23	0.01
Frankfort silt loam, 2 to 4 percent slopes	19.43	0.02
Frankfort silt loam, 2 to 4 percent slopes	3.41	0.00
Frankfort silt loam, 2 to 4 percent slopes	2.73	0.00
Frankfort silt loam, 2 to 4 percent slopes	2.33	0.00
Frankfort silt loam, 2 to 4 percent slopes	4.19	0.00
Frankfort silt loam, 2 to 4 percent slopes	4.58	0.01
Frankfort silt loam, 2 to 4 percent slopes	4.97	0.01
Frankfort silt loam, 2 to 4 percent slopes	1.45	0.00
Frankfort silt loam, 2 to 4 percent slopes	1.97	0.00
Frankfort silt loam, 2 to 4 percent slopes	9.88	0.01
Frankfort silt loam, 2 to 4 percent slopes	357.31	0.41
Frankfort silt loam, 2 to 4 percent slopes	10.02	0.01
Frankfort silt loam, 2 to 4 percent slopes	11.67	0.01
Frankfort silt loam, 2 to 4 percent slopes	9.37	0.01
Frankfort silt loam, 2 to 4 percent slopes	6.10	0.01
Frankfort silt loam, 2 to 4 percent slopes	13.23	0.02

Soil Description	Area (Acres)	Percent Area (%)
Frankfort silt loam, 2 to 4 percent slopes	6.33	0.01
Frankfort silt loam, 2 to 4 percent slopes	4.26	0.00
Frankfort silt loam, 2 to 4 percent slopes	23.21	0.03
Frankfort silt loam, 2 to 4 percent slopes	28.03	0.03
Frankfort silt loam, 2 to 4 percent slopes	1.21	0.00
Frankfort silt loam, 2 to 4 percent slopes	31.09	0.04
Frankfort silt loam, 2 to 4 percent slopes	9.04	0.01
Frankfort silt loam, 2 to 4 percent slopes	39.03	0.04
Frankfort silt loam, 2 to 4 percent slopes	2.47	0.00
Frankfort silt loam, 2 to 4 percent slopes	11.18	0.01
Frankfort silt loam, 2 to 4 percent slopes	2.84	0.00
Frankfort silt loam, 2 to 4 percent slopes	4.53	0.01
Frankfort silt loam, 2 to 4 percent slopes	2.79	0.00
Frankfort silt loam, 2 to 4 percent slopes	5.18	0.01
Frankfort silt loam, 2 to 4 percent slopes	2.32	0.00
Frankfort silt loam, 2 to 4 percent slopes	2.96	0.00
Frankfort silt loam, 2 to 4 percent slopes	6.16	0.01
Frankfort silt loam, 2 to 4 percent slopes	12.62	0.01
Frankfort silt loam, 2 to 4 percent slopes	5.33	0.01
Frankfort silt loam, 2 to 4 percent slopes	10.82	0.01
Frankfort silt loam, 2 to 4 percent slopes	2.95	0.00
Frankfort silt loam, 2 to 4 percent slopes	4.01	0.00
Frankfort silt loam, 2 to 4 percent slopes	6.19	0.01
Frankfort silt loam, 2 to 4 percent slopes	4.13	0.00
Frankfort silt loam, 2 to 4 percent slopes	12.53	0.01
Frankfort silt loam, 2 to 4 percent slopes	5.28	0.01
Frankfort silt loam, 2 to 4 percent slopes	0.95	0.00
Frankfort silt loam, 2 to 4 percent slopes	9.50	0.01
Frankfort silt loam, 2 to 4 percent slopes	13.87	0.02
Frankfort silt loam, 2 to 4 percent slopes	3.42	0.00
Frankfort silt loam, 2 to 4 percent slopes	43.86	0.05
Frankfort silt loam, 2 to 4 percent slopes	5.85	0.01
Frankfort silt loam, 2 to 4 percent slopes	5.29	0.01
Frankfort silt loam, 2 to 4 percent slopes	6.02	0.01
Frankfort silt loam, 2 to 4 percent slopes	1.24	0.00
Frankfort silt loam, 2 to 4 percent slopes	3.91	0.00
Frankfort silt loam, 2 to 4 percent slopes	18.50	0.02
Frankfort silt loam, 2 to 4 percent slopes	4.66	0.01
Frankfort silt loam, 2 to 4 percent slopes	4.26	0.00
Frankfort silt loam, 2 to 4 percent slopes	18.17	0.02
Frankfort silt loam, 2 to 4 percent slopes	5.17	0.01
Frankfort silt loam, 2 to 4 percent slopes	229.79	0.26

Soil Description	Area (Acres)	Percent Area (%)
Frankfort silt loam, 2 to 4 percent slopes	2.18	0.00
Frankfort silt loam, 2 to 4 percent slopes	47.15	0.05
Frankfort silt loam, 2 to 4 percent slopes	4.16	0.00
Frankfort silt loam, 2 to 4 percent slopes	238.49	0.27
Frankfort silt loam, 2 to 4 percent slopes	8.93	0.01
Frankfort silt loam, 2 to 4 percent slopes	20.57	0.02
Frankfort silt loam, 2 to 4 percent slopes	6.32	0.01
Frankfort silt loam, 2 to 4 percent slopes	14.08	0.02
Frankfort silt loam, 2 to 4 percent slopes	39.06	0.04
Frankfort silt loam, 2 to 4 percent slopes	4.95	0.01
Frankfort silt loam, 2 to 4 percent slopes	4.25	0.00
Frankfort silt loam, 2 to 4 percent slopes	0.01	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	21.15	0.02
Frankfort silty clay loam, 1 to 5 percent slopes	22.41	0.03
Frankfort silty clay loam, 1 to 5 percent slopes	2.84	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	12.54	0.01
Frankfort silty clay loam, 1 to 5 percent slopes	7.28	0.01
Frankfort silty clay loam, 1 to 5 percent slopes	2.31	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	4.17	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	3.42	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	15.76	0.02
Frankfort silty clay loam, 1 to 5 percent slopes	5.64	0.01
Frankfort silty clay loam, 1 to 5 percent slopes	2.48	0.00
Frankfort silty clay loam, 1 to 5 percent slopes	13.24	0.02
Frankfort silty clay loam, 1 to 5 percent slopes	89.63	0.10
Frankfort silty clay loam, 1 to 5 percent slopes	67.64	0.08
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	10.23	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	9.02	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	13.39	0.02
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	9.51	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	1.17	0.00
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	4.36	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	1.15	0.00
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	7.58	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	6.91	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	16.62	0.02
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	8.32	0.01
Frankfort silty clay loam, 2 to 4 percent slopes, eroded	2.39	0.00
Grays and Markham silt loams, 0 to 2 percent slopes	10.79	0.01
Grays and Markham silt loams, 0 to 2 percent slopes	14.68	0.02
Grays and Markham silt loams, 0 to 2 percent slopes	30.41	0.03
Grays and Markham silt loams, 0 to 2 percent slopes	21.35	0.02

Soil Description	Area (Acres)	Percent Area (%)
Grays and Markham silt loams, 0 to 2 percent slopes	5.18	0.01
Grays and Markham silt loams, 0 to 2 percent slopes	3.02	0.00
Grays and Markham silt loams, 0 to 2 percent slopes	8.55	0.01
Grays and Markham silt loams, 0 to 2 percent slopes	15.99	0.02
Grays and Markham silt loams, 0 to 2 percent slopes	11.43	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	6.25	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	6.15	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	1.06	0.00
Grays and Markham silt loams, 2 to 4 percent slopes	73.74	0.08
Grays and Markham silt loams, 2 to 4 percent slopes	6.13	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	25.39	0.03
Grays and Markham silt loams, 2 to 4 percent slopes	2.42	0.00
Grays and Markham silt loams, 2 to 4 percent slopes	11.65	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	2.45	0.00
Grays and Markham silt loams, 2 to 4 percent slopes	7.96	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	26.21	0.03
Grays and Markham silt loams, 2 to 4 percent slopes	1.60	0.00
Grays and Markham silt loams, 2 to 4 percent slopes	2.18	0.00
Grays and Markham silt loams, 2 to 4 percent slopes	9.54	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	4.52	0.01
Grays and Markham silt loams, 2 to 4 percent slopes	39.28	0.05
Grays and Markham silt loams, 2 to 4 percent slopes	24.38	0.03
Grays silt loam, 0 to 2 percent slopes	17.59	0.02
Grays silt loam, 0 to 2 percent slopes	9.02	0.01
Grays silt loam, 0 to 2 percent slopes	31.86	0.04
Grays silt loam, 0 to 2 percent slopes	1.29	0.00
Grays silt loam, 0 to 2 percent slopes	0.64	0.00
Grays silt loam, 0 to 2 percent slopes	5.30	0.01
Grays silt loam, 0 to 2 percent slopes	10.74	0.01
Grays silt loam, 0 to 2 percent slopes	3.51	0.00
Grays silt loam, 0 to 2 percent slopes	1.53	0.00
Grays silt loam, 2 to 4 percent slopes	9.38	0.01
Grays silt loam, 2 to 4 percent slopes	19.27	0.02
Grays silt loam, 2 to 4 percent slopes	23.80	0.03
Grays silt loam, 2 to 4 percent slopes	6.56	0.01
Grays silt loam, 2 to 4 percent slopes	1.58	0.00
Grays silt loam, 2 to 4 percent slopes	1.81	0.00
Grays silt loam, 2 to 4 percent slopes	1.47	0.00
Grays silt loam, 2 to 4 percent slopes	9.86	0.01
Grays silt loam, 2 to 4 percent slopes	10.83	0.01
Grays silt loam, 2 to 4 percent slopes	8.59	0.01
Grays silt loam, 2 to 4 percent slopes	10.74	0.01

Soil Description	Area (Acres)	Percent Area (%)
Grays silt loam, 2 to 5 percent slopes	2.81	0.00
Grays silt loam, 2 to 5 percent slopes	28.04	0.03
Hoopeston fine sandy loam	3.16	0.00
Hoopeston fine sandy loam	8.43	0.01
Houghton muck, 0 to 2 percent slopes	31.90	0.04
Houghton muck, 0 to 2 percent slopes	0.69	0.00
Houghton muck, 0 to 2 percent slopes	8.27	0.01
Houghton muck, 0 to 2 percent slopes	15.84	0.02
Houghton muck, 0 to 2 percent slopes	2.75	0.00
Houghton muck, 0 to 2 percent slopes	4.31	0.00
Houghton muck, 0 to 2 percent slopes	20.33	0.02
Houghton muck, 0 to 2 percent slopes	5.76	0.01
Houghton muck, 0 to 2 percent slopes	2.98	0.00
Houghton muck, 0 to 2 percent slopes	1.46	0.00
Houghton muck, 0 to 2 percent slopes	2.69	0.00
Houghton muck, ponded, 0 to 2 percent slopes	33.55	0.04
Houghton muck, ponded, 0 to 2 percent slopes	13.52	0.02
Houghton muck, ponded, 0 to 2 percent slopes	8.58	0.01
Houghton muck, ponded, 0 to 2 percent slopes	11.72	0.01
Houghton muck, ponded, 0 to 2 percent slopes	10.21	0.01
Houghton muck, undrained, 0 to 2 percent slopes	2.14	0.00
Houghton muck, undrained, 0 to 2 percent slopes	7.65	0.01
Landfills	24.11	0.03
Landfills	16.69	0.02
Landfills	20.09	0.02
Markham silt loam, 2 to 4 percent slopes	39.27	0.05
Markham silt loam, 2 to 5 percent slopes	3.45	0.00
Markham silt loam, 2 to 5 percent slopes	16.97	0.02
Markham silt loam, 2 to 5 percent slopes	6.35	0.01
Markham silt loam, 2 to 5 percent slopes	1.17	0.00
Markham silt loam, 2 to 5 percent slopes	4.66	0.01
Markham silt loam, 2 to 5 percent slopes	1.97	0.00
Markham silt loam, 2 to 5 percent slopes	5.69	0.01
Markham silt loam, 2 to 5 percent slopes	3.11	0.00
Markham silt loam, 2 to 5 percent slopes	30.10	0.03
Markham silt loam, 2 to 5 percent slopes	19.75	0.02
Markham silt loam, 2 to 5 percent slopes	44.60	0.05
Markham silt loam, 2 to 5 percent slopes	5.30	0.01
Markham silt loam, 2 to 5 percent slopes	4.55	0.01
Markham silt loam, 2 to 5 percent slopes	2.61	0.00
Markham silt loam, 2 to 5 percent slopes	2.99	0.00
Markham silt loam, 2 to 5 percent slopes	4.09	0.00

Soil Description	Area (Acres)	Percent Area (%)
Markham silt loam, 2 to 5 percent slopes	6.06	0.01
Markham silt loam, 2 to 5 percent slopes	3.78	0.00
Markham silt loam, 2 to 5 percent slopes	8.46	0.01
Markham silt loam, 2 to 5 percent slopes	11.18	0.01
Markham silt loam, 2 to 5 percent slopes	5.46	0.01
Markham silt loam, 2 to 5 percent slopes	2.65	0.00
Markham silt loam, 2 to 5 percent slopes	5.20	0.01
Markham silt loam, 2 to 5 percent slopes	20.22	0.02
Markham silt loam, 2 to 5 percent slopes	11.58	0.01
Markham silt loam, 2 to 5 percent slopes	12.99	0.01
Markham silt loam, 2 to 5 percent slopes	4.29	0.00
Markham silt loam, 2 to 5 percent slopes	18.73	0.02
Markham silt loam, 2 to 5 percent slopes	2.15	0.00
Markham silt loam, 2 to 5 percent slopes	13.09	0.02
Markham silt loam, 2 to 5 percent slopes	7.44	0.01
Markham silt loam, 2 to 5 percent slopes	2.81	0.00
Markham silt loam, 2 to 5 percent slopes	2.59	0.00
Markham silt loam, 2 to 5 percent slopes	4.92	0.01
Markham silt loam, 2 to 5 percent slopes	2.36	0.00
Markham silt loam, 2 to 5 percent slopes	10.06	0.01
Markham silt loam, 2 to 5 percent slopes	3.41	0.00
Markham silt loam, 2 to 5 percent slopes	4.66	0.01
Markham silt loam, 2 to 5 percent slopes	5.07	0.01
Markham silt loam, 2 to 5 percent slopes	26.85	0.03
Markham silt loam, 2 to 5 percent slopes	2.88	0.00
Markham silt loam, 2 to 5 percent slopes	6.28	0.01
Markham silt loam, 2 to 5 percent slopes	6.53	0.01
Markham silt loam, 2 to 5 percent slopes	7.02	0.01
Markham silt loam, 2 to 5 percent slopes	6.22	0.01
Markham silt loam, 2 to 5 percent slopes	5.19	0.01
Markham silt loam, 2 to 5 percent slopes	4.51	0.01
Markham silt loam, 2 to 5 percent slopes	2.01	0.00
Markham silt loam, 2 to 5 percent slopes	4.74	0.01
Markham silt loam, 2 to 5 percent slopes	8.60	0.01
Markham silt loam, 2 to 5 percent slopes	2.66	0.00
Markham silt loam, 2 to 5 percent slopes	4.92	0.01
Markham silt loam, 5 to 10 percent slopes, eroded	1.92	0.00
Markham silt loam, 5 to 10 percent slopes, eroded	1.78	0.00
Markham silt loam, 5 to 10 percent slopes, eroded	2.50	0.00
Martinton silt loam	1.33	0.00
Martinton silt loam	3.89	0.00
Martinton silt loam	8.17	0.01

Soil Description	Area (Acres)	Percent Area (%)
Martinton silt loam	13.02	0.01
Martinton silt loam	33.80	0.04
Martinton silt loam	11.87	0.01
Martinton silt loam	6.83	0.01
Martinton silt loam	2.75	0.00
Martinton silt loam	23.09	0.03
Martinton silt loam	2.73	0.00
Martinton silt loam	13.71	0.02
Martinton silt loam	4.94	0.01
Martinton silt loam, 0 to 2 percent slopes	7.23	0.01
Milford silty clay loam	27.83	0.03
Milford silty clay loam	12.26	0.01
Milford silty clay loam	2.59	0.00
Milford silty clay loam	2.91	0.00
Milford silty clay loam	128.95	0.15
Milford silty clay loam	65.80	0.08
Milford silty clay loam	20.85	0.02
Milford silty clay loam	4.80	0.01
Milford silty clay loam	2.77	0.00
Milford silty clay loam	1.90	0.00
Milford silty clay loam	32.22	0.04
Milford silty clay loam	0.71	0.00
Milford silty clay loam	3.88	0.00
Milford silty clay loam	0.28	0.00
Milford silty clay loam	1.50	0.00
Milford silty clay loam	2.15	0.00
Milford silty clay loam	1.07	0.00
Milford silty clay loam	1.79	0.00
Milford silty clay loam	10.74	0.01
Milford silty clay loam	12.24	0.01
Milford silty clay loam	3.66	0.00
Milford silty clay loam	46.02	0.05
Milford silty clay loam	27.98	0.03
Milford silty clay loam	6.15	0.01
Milford silty clay loam	37.07	0.04
Milford silty clay loam	9.16	0.01
Milford silty clay loam	15.45	0.02
Milford silty clay loam	54.50	0.06
Milford silty clay loam	40.63	0.05
Milford silty clay loam	12.64	0.01
Mokena silt loam	25.67	0.03
Mokena silt loam	2.74	0.00

Soil Description	Area (Acres)	Percent Area (%)
Mokena silt loam	4.60	0.01
Mokena silt loam	2.94	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	95.65	0.11
Montgomery silty clay loam, 0 to 2 percent slopes	2.22	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	390.21	0.45
Montgomery silty clay loam, 0 to 2 percent slopes	0.05	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	7.99	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	1.96	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1898.56	2.18
Montgomery silty clay loam, 0 to 2 percent slopes	6.30	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	1.59	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.05	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	3.13	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	25.46	0.03
Montgomery silty clay loam, 0 to 2 percent slopes	0.94	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	16.78	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	214.31	0.25
Montgomery silty clay loam, 0 to 2 percent slopes	0.70	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	3.33	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.94	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	4.28	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.74	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	8.54	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	1.54	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	20.50	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	1.23	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	10.09	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	1.52	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	2.55	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	2.08	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	8.16	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	2.74	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.10	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	5.00	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	13.01	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	15.02	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	11.39	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	30.28	0.03
Montgomery silty clay loam, 0 to 2 percent slopes	5.43	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	4.76	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	20.39	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	17.66	0.02

Soil Description	Area (Acres)	Percent Area (%)
Montgomery silty clay loam, 0 to 2 percent slopes	3.14	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	18.28	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	4.06	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.54	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	6.21	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	0.47	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	12.72	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	19.85	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	53.21	0.06
Montgomery silty clay loam, 0 to 2 percent slopes	4.58	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	2.95	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	5.00	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	2.60	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	10.89	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	0.86	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.93	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.40	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	8.77	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	25.52	0.03
Montgomery silty clay loam, 0 to 2 percent slopes	2.99	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	7.35	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	6.65	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	6.99	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	13.49	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	40.68	0.05
Montgomery silty clay loam, 0 to 2 percent slopes	20.56	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	7.06	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	31.99	0.04
Montgomery silty clay loam, 0 to 2 percent slopes	5.05	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	7.65	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	13.32	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	108.88	0.13
Montgomery silty clay loam, 0 to 2 percent slopes	1773.35	2.04
Montgomery silty clay loam, 0 to 2 percent slopes	4.19	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.61	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	0.92	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	3.61	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.60	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.86	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	10.69	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	15.29	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	55.91	0.06

Soil Description	Area (Acres)	Percent Area (%)
Montgomery silty clay loam, 0 to 2 percent slopes	9.10	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	2.51	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	301.31	0.35
Montgomery silty clay loam, 0 to 2 percent slopes	1.59	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.77	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.65	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	16.75	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	2.91	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	19.20	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	1.89	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	2.72	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	9.73	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	13.35	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	3.86	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	124.65	0.14
Montgomery silty clay loam, 0 to 2 percent slopes	7.77	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	3.46	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	13.61	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	16.45	0.02
Montgomery silty clay loam, 0 to 2 percent slopes	25.95	0.03
Montgomery silty clay loam, 0 to 2 percent slopes	5.66	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	38.51	0.04
Montgomery silty clay loam, 0 to 2 percent slopes	8.57	0.01
Montgomery silty clay loam, 0 to 2 percent slopes	3.03	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	47.23	0.05
Montgomery silty clay loam, 0 to 2 percent slopes	1.16	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	4.13	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	1.56	0.00
Montgomery silty clay loam, 0 to 2 percent slopes	20.17	0.02
Morley silt loam, 2 to 5 percent slopes	3.51	0.00
Morley silt loam, 2 to 5 percent slopes	6.39	0.01
Morley silt loam, 2 to 5 percent slopes	82.21	0.09
Morley silt loam, 2 to 5 percent slopes	19.98	0.02
Morley silt loam, 2 to 5 percent slopes	6.69	0.01
Morley silt loam, 2 to 5 percent slopes	14.77	0.02
Morley silt loam, 2 to 5 percent slopes	48.67	0.06
Morley silt loam, 2 to 5 percent slopes	10.24	0.01
Morley silt loam, 2 to 5 percent slopes	10.17	0.01
Morley silt loam, 2 to 5 percent slopes	36.84	0.04
Morley silt loam, 2 to 5 percent slopes	64.98	0.07
Morley silt loam, 2 to 5 percent slopes	4.87	0.01
Morley silt loam, 2 to 5 percent slopes	2.57	0.00

Soil Description	Area (Acres)	Percent Area (%)
Morley silt loam, 2 to 5 percent slopes	28.89	0.03
Morley silt loam, 2 to 5 percent slopes	34.57	0.04
Morley silt loam, 2 to 5 percent slopes	3.94	0.00
Morley silt loam, 2 to 5 percent slopes	5.53	0.01
Morley silt loam, 2 to 5 percent slopes	3.93	0.00
Morley silt loam, 2 to 5 percent slopes	3.59	0.00
Morley silt loam, 2 to 5 percent slopes	26.75	0.03
Morley silt loam, 2 to 5 percent slopes	14.40	0.02
Morley silt loam, 2 to 5 percent slopes	2.16	0.00
Morley silt loam, 2 to 5 percent slopes	2.78	0.00
Morley silt loam, 2 to 5 percent slopes	2.85	0.00
Morley silt loam, 2 to 5 percent slopes	5.02	0.01
Morley silt loam, 2 to 5 percent slopes	5.87	0.01
Morley silt loam, 2 to 5 percent slopes	10.80	0.01
Morley silt loam, 2 to 5 percent slopes	3.22	0.00
Morley silt loam, 2 to 5 percent slopes	8.58	0.01
Morley silt loam, 2 to 5 percent slopes	56.07	0.06
Morley silt loam, 2 to 5 percent slopes	8.47	0.01
Morley silt loam, 2 to 5 percent slopes	6.41	0.01
Morley silt loam, 2 to 5 percent slopes	4.50	0.01
Morley silt loam, 2 to 5 percent slopes	2.80	0.00
Morley silt loam, 2 to 5 percent slopes	4.35	0.01
Morley silt loam, 2 to 5 percent slopes	0.32	0.00
Morley silt loam, 2 to 5 percent slopes	8.10	0.01
Morley silt loam, 2 to 5 percent slopes	3.69	0.00
Morley silt loam, 2 to 5 percent slopes	0.08	0.00
Morley silt loam, 2 to 5 percent slopes	2.14	0.00
Morley silt loam, 2 to 5 percent slopes	0.32	0.00
Morley silt loam, 2 to 5 percent slopes	1.00	0.00
Morley silt loam, 2 to 5 percent slopes	3.03	0.00
Morley silt loam, 5 to 10 percent slopes, eroded	12.54	0.01
Morley silt loam, 5 to 10 percent slopes, eroded	12.46	0.01
Morley silt loam, 5 to 10 percent slopes, eroded	13.73	0.02
Morley silt loam, 5 to 10 percent slopes, eroded	9.78	0.01
Morley silt loam, 5 to 10 percent slopes, eroded	1.45	0.00
Morley silt loam, 5 to 10 percent slopes, eroded	5.12	0.01
Morley silt loam, 5 to 10 percent slopes, eroded	2.55	0.00
Morley silt loam, 5 to 10 percent slopes, eroded	5.58	0.01
Morley silt loam, 7 to 15 percent slopes	6.78	0.01
Morley silt loam, 7 to 15 percent slopes	4.40	0.01
Morley silt loam, 7 to 15 percent slopes	21.70	0.02
Mundelein and Elliott silt loams, 0 to 2 percent slopes	11.60	0.01

Soil Description	Area (Acres)	Percent Area (%)
Mundelein silt loam	4.77	0.01
Mundelein silt loam	10.61	0.01
Mundelein silt loam	71.37	0.08
Mundelein silt loam	4.00	0.00
Mundelein silt loam	58.42	0.07
Mundelein silt loam	13.57	0.02
Mundelein silt loam	56.33	0.06
Mundelein silt loam	11.45	0.01
Mundelein silt loam	12.84	0.01
Mundelein silt loam	4.21	0.00
Mundelein silt loam	4.33	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.44	0.00
Mundelein silt loam, 0 to 2 percent slopes	34.02	0.04
Mundelein silt loam, 0 to 2 percent slopes	2.52	0.00
Mundelein silt loam, 0 to 2 percent slopes	1.67	0.00
Mundelein silt loam, 0 to 2 percent slopes	11.63	0.01
Mundelein silt loam, 0 to 2 percent slopes	1.63	0.00
Mundelein silt loam, 0 to 2 percent slopes	7.86	0.01
Mundelein silt loam, 0 to 2 percent slopes	1.56	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.09	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.72	0.00
Mundelein silt loam, 0 to 2 percent slopes	1.88	0.00
Mundelein silt loam, 0 to 2 percent slopes	3.34	0.00
Mundelein silt loam, 0 to 2 percent slopes	6.86	0.01
Mundelein silt loam, 0 to 2 percent slopes	1.57	0.00
Mundelein silt loam, 0 to 2 percent slopes	1.22	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.21	0.00
Mundelein silt loam, 0 to 2 percent slopes	1.52	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.16	0.00
Mundelein silt loam, 0 to 2 percent slopes	13.87	0.02
Mundelein silt loam, 0 to 2 percent slopes	2.59	0.00
Mundelein silt loam, 0 to 2 percent slopes	8.32	0.01
Mundelein silt loam, 0 to 2 percent slopes	2.43	0.00
Mundelein silt loam, 0 to 2 percent slopes	3.15	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.62	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.01	0.00
Mundelein silt loam, 0 to 2 percent slopes	1.62	0.00
Mundelein silt loam, 0 to 2 percent slopes	2.89	0.00
Mundelein silt loam, 2 to 4 percent slopes	8.04	0.01
Muskego and Houghton mucks	5.19	0.01
Nappanee silt loam, 0 to 2 percent slopes	9.44	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.98	0.00

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 0 to 2 percent slopes	12.67	0.01
Nappanee silt loam, 0 to 2 percent slopes	24.09	0.03
Nappanee silt loam, 0 to 2 percent slopes	2.65	0.00
Nappanee silt loam, 0 to 2 percent slopes	1.11	0.00
Nappanee silt loam, 0 to 2 percent slopes	9.20	0.01
Nappanee silt loam, 0 to 2 percent slopes	6.35	0.01
Nappanee silt loam, 0 to 2 percent slopes	11.81	0.01
Nappanee silt loam, 0 to 2 percent slopes	5.36	0.01
Nappanee silt loam, 0 to 2 percent slopes	11.71	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.54	0.00
Nappanee silt loam, 0 to 2 percent slopes	8.76	0.01
Nappanee silt loam, 0 to 2 percent slopes	11.41	0.01
Nappanee silt loam, 0 to 2 percent slopes	6.54	0.01
Nappanee silt loam, 0 to 2 percent slopes	31.23	0.04
Nappanee silt loam, 0 to 2 percent slopes	12.94	0.01
Nappanee silt loam, 0 to 2 percent slopes	1.25	0.00
Nappanee silt loam, 0 to 2 percent slopes	10.02	0.01
Nappanee silt loam, 0 to 2 percent slopes	4.13	0.00
Nappanee silt loam, 0 to 2 percent slopes	40.15	0.05
Nappanee silt loam, 0 to 2 percent slopes	4.56	0.01
Nappanee silt loam, 0 to 2 percent slopes	5.67	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.80	0.00
Nappanee silt loam, 0 to 2 percent slopes	3.52	0.00
Nappanee silt loam, 0 to 2 percent slopes	10.51	0.01
Nappanee silt loam, 0 to 2 percent slopes	13.90	0.02
Nappanee silt loam, 0 to 2 percent slopes	117.05	0.13
Nappanee silt loam, 0 to 2 percent slopes	26.50	0.03
Nappanee silt loam, 0 to 2 percent slopes	40.16	0.05
Nappanee silt loam, 0 to 2 percent slopes	39.94	0.05
Nappanee silt loam, 0 to 2 percent slopes	1.77	0.00
Nappanee silt loam, 0 to 2 percent slopes	149.31	0.17
Nappanee silt loam, 0 to 2 percent slopes	4.24	0.00
Nappanee silt loam, 0 to 2 percent slopes	50.98	0.06
Nappanee silt loam, 0 to 2 percent slopes	4.46	0.01
Nappanee silt loam, 0 to 2 percent slopes	3.67	0.00
Nappanee silt loam, 0 to 2 percent slopes	6.51	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.48	0.00
Nappanee silt loam, 0 to 2 percent slopes	42.14	0.05
Nappanee silt loam, 0 to 2 percent slopes	1.91	0.00
Nappanee silt loam, 0 to 2 percent slopes	0.87	0.00
Nappanee silt loam, 0 to 2 percent slopes	1.75	0.00
Nappanee silt loam, 0 to 2 percent slopes	5.29	0.01

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 0 to 2 percent slopes	1.74	0.00
Nappanee silt loam, 0 to 2 percent slopes	2.38	0.00
Nappanee silt loam, 0 to 2 percent slopes	1.72	0.00
Nappanee silt loam, 0 to 2 percent slopes	37.64	0.04
Nappanee silt loam, 0 to 2 percent slopes	18.58	0.02
Nappanee silt loam, 0 to 2 percent slopes	5.30	0.01
Nappanee silt loam, 0 to 2 percent slopes	1.73	0.00
Nappanee silt loam, 0 to 2 percent slopes	2.24	0.00
Nappanee silt loam, 0 to 2 percent slopes	63.19	0.07
Nappanee silt loam, 0 to 2 percent slopes	10.23	0.01
Nappanee silt loam, 0 to 2 percent slopes	1.80	0.00
Nappanee silt loam, 0 to 2 percent slopes	75.33	0.09
Nappanee silt loam, 0 to 2 percent slopes	18.46	0.02
Nappanee silt loam, 0 to 2 percent slopes	1.49	0.00
Nappanee silt loam, 0 to 2 percent slopes	6.20	0.01
Nappanee silt loam, 0 to 2 percent slopes	109.91	0.13
Nappanee silt loam, 0 to 2 percent slopes	16.47	0.02
Nappanee silt loam, 0 to 2 percent slopes	18.98	0.02
Nappanee silt loam, 0 to 2 percent slopes	29.81	0.03
Nappanee silt loam, 0 to 2 percent slopes	7.12	0.01
Nappanee silt loam, 0 to 2 percent slopes	4.79	0.01
Nappanee silt loam, 0 to 2 percent slopes	3.09	0.00
Nappanee silt loam, 0 to 2 percent slopes	10.67	0.01
Nappanee silt loam, 0 to 2 percent slopes	25.60	0.03
Nappanee silt loam, 0 to 2 percent slopes	41.92	0.05
Nappanee silt loam, 0 to 2 percent slopes	26.57	0.03
Nappanee silt loam, 0 to 2 percent slopes	3.91	0.00
Nappanee silt loam, 0 to 2 percent slopes	12.00	0.01
Nappanee silt loam, 0 to 2 percent slopes	0.09	0.00
Nappanee silt loam, 0 to 2 percent slopes	27.46	0.03
Nappanee silt loam, 0 to 2 percent slopes	5.82	0.01
Nappanee silt loam, 0 to 2 percent slopes	65.19	0.07
Nappanee silt loam, 0 to 2 percent slopes	3.72	0.00
Nappanee silt loam, 0 to 2 percent slopes	1.60	0.00
Nappanee silt loam, 0 to 2 percent slopes	14.95	0.02
Nappanee silt loam, 0 to 2 percent slopes	12.50	0.01
Nappanee silt loam, 0 to 2 percent slopes	12.25	0.01
Nappanee silt loam, 0 to 2 percent slopes	0.75	0.00
Nappanee silt loam, 0 to 2 percent slopes	1.81	0.00
Nappanee silt loam, 0 to 2 percent slopes	2.98	0.00
Nappanee silt loam, 0 to 2 percent slopes	6.98	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.43	0.00

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 0 to 2 percent slopes	3.72	0.00
Nappanee silt loam, 0 to 2 percent slopes	6.40	0.01
Nappanee silt loam, 0 to 2 percent slopes	2.66	0.00
Nappanee silt loam, 0 to 2 percent slopes	37.26	0.04
Nappanee silt loam, 0 to 2 percent slopes	145.85	0.17
Nappanee silt loam, 0 to 2 percent slopes	1.60	0.00
Nappanee silt loam, 0 to 2 percent slopes	30.62	0.04
Nappanee silt loam, 2 to 4 percent slopes	0.23	0.00
Nappanee silt loam, 2 to 4 percent slopes	23.31	0.03
Nappanee silt loam, 2 to 4 percent slopes	33.68	0.04
Nappanee silt loam, 2 to 4 percent slopes	1.53	0.00
Nappanee silt loam, 2 to 4 percent slopes	3.09	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.74	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.75	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.82	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.03	0.00
Nappanee silt loam, 2 to 4 percent slopes	25.30	0.03
Nappanee silt loam, 2 to 4 percent slopes	4.78	0.01
Nappanee silt loam, 2 to 4 percent slopes	9.01	0.01
Nappanee silt loam, 2 to 4 percent slopes	9.15	0.01
Nappanee silt loam, 2 to 4 percent slopes	6.26	0.01
Nappanee silt loam, 2 to 4 percent slopes	2.14	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.87	0.00
Nappanee silt loam, 2 to 4 percent slopes	2.89	0.00
Nappanee silt loam, 2 to 4 percent slopes	24.39	0.03
Nappanee silt loam, 2 to 4 percent slopes	1.92	0.00
Nappanee silt loam, 2 to 4 percent slopes	6.05	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.92	0.00
Nappanee silt loam, 2 to 4 percent slopes	4.88	0.01
Nappanee silt loam, 2 to 4 percent slopes	24.52	0.03
Nappanee silt loam, 2 to 4 percent slopes	6.54	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.84	0.00
Nappanee silt loam, 2 to 4 percent slopes	5.69	0.01
Nappanee silt loam, 2 to 4 percent slopes	23.24	0.03
Nappanee silt loam, 2 to 4 percent slopes	23.48	0.03
Nappanee silt loam, 2 to 4 percent slopes	25.12	0.03
Nappanee silt loam, 2 to 4 percent slopes	2.53	0.00
Nappanee silt loam, 2 to 4 percent slopes	368.13	0.42
Nappanee silt loam, 2 to 4 percent slopes	1.38	0.00
Nappanee silt loam, 2 to 4 percent slopes	50.55	0.06
Nappanee silt loam, 2 to 4 percent slopes	26.70	0.03
Nappanee silt loam, 2 to 4 percent slopes	2.02	0.00

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 2 to 4 percent slopes	4.84	0.01
Nappanee silt loam, 2 to 4 percent slopes	13.51	0.02
Nappanee silt loam, 2 to 4 percent slopes	1.25	0.00
Nappanee silt loam, 2 to 4 percent slopes	31.49	0.04
Nappanee silt loam, 2 to 4 percent slopes	23.71	0.03
Nappanee silt loam, 2 to 4 percent slopes	6.51	0.01
Nappanee silt loam, 2 to 4 percent slopes	22.34	0.03
Nappanee silt loam, 2 to 4 percent slopes	46.60	0.05
Nappanee silt loam, 2 to 4 percent slopes	3.45	0.00
Nappanee silt loam, 2 to 4 percent slopes	0.67	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.52	0.00
Nappanee silt loam, 2 to 4 percent slopes	3.86	0.00
Nappanee silt loam, 2 to 4 percent slopes	10.00	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.74	0.00
Nappanee silt loam, 2 to 4 percent slopes	2.94	0.00
Nappanee silt loam, 2 to 4 percent slopes	97.66	0.11
Nappanee silt loam, 2 to 4 percent slopes	2.80	0.00
Nappanee silt loam, 2 to 4 percent slopes	17.17	0.02
Nappanee silt loam, 2 to 4 percent slopes	12.52	0.01
Nappanee silt loam, 2 to 4 percent slopes	153.88	0.18
Nappanee silt loam, 2 to 4 percent slopes	1.28	0.00
Nappanee silt loam, 2 to 4 percent slopes	2.90	0.00
Nappanee silt loam, 2 to 4 percent slopes	0.73	0.00
Nappanee silt loam, 2 to 4 percent slopes	8.57	0.01
Nappanee silt loam, 2 to 4 percent slopes	18.58	0.02
Nappanee silt loam, 2 to 4 percent slopes	29.27	0.03
Nappanee silt loam, 2 to 4 percent slopes	4.54	0.01
Nappanee silt loam, 2 to 4 percent slopes	6.73	0.01
Nappanee silt loam, 2 to 4 percent slopes	8.32	0.01
Nappanee silt loam, 2 to 4 percent slopes	5.74	0.01
Nappanee silt loam, 2 to 4 percent slopes	15.17	0.02
Nappanee silt loam, 2 to 4 percent slopes	5.62	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.12	0.00
Nappanee silt loam, 2 to 4 percent slopes	9.81	0.01
Nappanee silt loam, 2 to 4 percent slopes	7.59	0.01
Nappanee silt loam, 2 to 4 percent slopes	2.33	0.00
Nappanee silt loam, 2 to 4 percent slopes	57.07	0.07
Nappanee silt loam, 2 to 4 percent slopes	5.98	0.01
Nappanee silt loam, 2 to 4 percent slopes	3.99	0.00
Nappanee silt loam, 2 to 4 percent slopes	6.45	0.01
Nappanee silt loam, 2 to 4 percent slopes	21.68	0.02
Nappanee silt loam, 2 to 4 percent slopes	4.48	0.01

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 2 to 4 percent slopes	173.99	0.20
Nappanee silt loam, 2 to 4 percent slopes	1.38	0.00
Nappanee silt loam, 2 to 4 percent slopes	7.09	0.01
Nappanee silt loam, 2 to 4 percent slopes	4.78	0.01
Nappanee silt loam, 2 to 4 percent slopes	10.40	0.01
Nappanee silt loam, 2 to 4 percent slopes	7.05	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.45	0.00
Nappanee silt loam, 2 to 4 percent slopes	7.42	0.01
Nappanee silt loam, 2 to 4 percent slopes	2.39	0.00
Nappanee silt loam, 2 to 4 percent slopes	8.13	0.01
Nappanee silt loam, 2 to 4 percent slopes	4.73	0.01
Nappanee silt loam, 2 to 4 percent slopes	20.64	0.02
Nappanee silt loam, 2 to 4 percent slopes	7.65	0.01
Nappanee silt loam, 2 to 4 percent slopes	2.17	0.00
Nappanee silt loam, 2 to 4 percent slopes	46.07	0.05
Nappanee silt loam, 2 to 4 percent slopes	41.10	0.05
Nappanee silt loam, 2 to 4 percent slopes	4.37	0.01
Nappanee silt loam, 2 to 4 percent slopes	4.33	0.00
Nappanee silt loam, 2 to 4 percent slopes	2.01	0.00
Nappanee silt loam, 2 to 4 percent slopes	21.09	0.02
Nappanee silt loam, 2 to 4 percent slopes	9.36	0.01
Nappanee silt loam, 2 to 4 percent slopes	10.59	0.01
Nappanee silt loam, 2 to 4 percent slopes	29.98	0.03
Nappanee silt loam, 2 to 4 percent slopes	12.15	0.01
Nappanee silt loam, 2 to 4 percent slopes	5.08	0.01
Nappanee silt loam, 2 to 4 percent slopes	11.03	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.60	0.00
Nappanee silt loam, 2 to 4 percent slopes	11.72	0.01
Nappanee silt loam, 2 to 4 percent slopes	12.33	0.01
Nappanee silt loam, 2 to 4 percent slopes	3.62	0.00
Nappanee silt loam, 2 to 4 percent slopes	6.45	0.01
Nappanee silt loam, 2 to 4 percent slopes	2.06	0.00
Nappanee silt loam, 2 to 4 percent slopes	6.80	0.01
Nappanee silt loam, 2 to 4 percent slopes	74.59	0.09
Nappanee silt loam, 2 to 4 percent slopes	2.03	0.00
Nappanee silt loam, 2 to 4 percent slopes	8.15	0.01
Nappanee silt loam, 2 to 4 percent slopes	3.30	0.00
Nappanee silt loam, 2 to 4 percent slopes	20.02	0.02
Nappanee silt loam, 2 to 4 percent slopes	27.48	0.03
Nappanee silt loam, 2 to 4 percent slopes	4.82	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.95	0.00
Nappanee silt loam, 2 to 4 percent slopes	29.75	0.03

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silt loam, 2 to 4 percent slopes	2.20	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.54	0.00
Nappanee silt loam, 2 to 4 percent slopes	5.53	0.01
Nappanee silt loam, 2 to 4 percent slopes	1.94	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.74	0.00
Nappanee silt loam, 2 to 4 percent slopes	25.36	0.03
Nappanee silt loam, 2 to 4 percent slopes	2.28	0.00
Nappanee silt loam, 2 to 4 percent slopes	1.55	0.00
Nappanee silt loam, 2 to 4 percent slopes	2.08	0.00
Nappanee silt loam, 2 to 4 percent slopes	4.10	0.00
Nappanee silt loam, 2 to 4 percent slopes	5.36	0.01
Nappanee silt loam, 2 to 4 percent slopes	11.72	0.01
Nappanee silt loam, 2 to 4 percent slopes	55.17	0.06
Nappanee silt loam, 2 to 4 percent slopes	5.43	0.01
Nappanee silt loam, 2 to 4 percent slopes	4.07	0.00
Nappanee silt loam, 2 to 4 percent slopes	3.36	0.00
Nappanee silt loam, 2 to 4 percent slopes	5.03	0.01
Nappanee silt loam, 2 to 4 percent slopes	4.22	0.00
Nappanee silt loam, 2 to 4 percent slopes	14.87	0.02
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	8.91	0.01
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	1.17	0.00
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	10.61	0.01
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	24.59	0.03
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	22.63	0.03
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	7.04	0.01
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	5.35	0.01
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	2.35	0.00
Nappanee silty clay loam, 2 to 4 percent slopes, eroded	1.34	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.85	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.50	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.67	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.64	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.67	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.37	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.62	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.03	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.49	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.73	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.84	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.49	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.30	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.10	0.00

Soil Description	Area (Acres)	Percent Area (%)
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.85	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	51.09	0.06
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	4.26	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.91	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.77	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.87	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	5.36	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	10.08	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.52	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	10.06	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	5.83	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.68	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.45	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.77	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	6.70	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.67	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	13.71	0.02
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	0.74	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	6.89	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.31	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.18	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	19.18	0.02
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	0.52	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.15	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	4.60	0.01
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.72	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	2.19	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	1.44	0.00
Nappanee silty clay loam, 4 to 6 percent slopes, eroded	3.62	0.00
Oakville fine sand, 2 to 7 percent slopes	5.62	0.01
Oakville fine sand, 2 to 7 percent slopes	2.73	0.00
Orthents, clayey, undulating	90.68	0.10
Orthents, clayey, undulating	2.80	0.00
Orthents, clayey, undulating	7.09	0.01
Orthents, clayey, undulating	9.31	0.01
Orthents, clayey, undulating	1.42	0.00
Orthents, clayey, undulating	24.19	0.03
Orthents, clayey, undulating	14.17	0.02
Orthents, clayey, undulating	20.38	0.02
Orthents, clayey, undulating	30.94	0.04
Orthents, clayey, undulating	245.55	0.28
Orthents, clayey, undulating	6.09	0.01

Soil Description	Area (Acres)	Percent Area (%)
Orthents, clayey, undulating	2.37	0.00
Orthents, clayey, undulating	2.95	0.00
Orthents, clayey, undulating	2.19	0.00
Orthents, clayey, undulating	41.01	0.05
Orthents, clayey, undulating	1.23	0.00
Orthents, clayey, undulating	4.28	0.00
Orthents, clayey, undulating	27.55	0.03
Orthents, clayey, undulating	15.29	0.02
Orthents, clayey, undulating	3.34	0.00
Orthents, clayey, undulating	17.36	0.02
Orthents, clayey, undulating	3.13	0.00
Orthents, clayey, undulating	1.33	0.00
Orthents, clayey, undulating	3.88	0.00
Orthents, clayey, undulating	2.85	0.00
Orthents, clayey, undulating	2.51	0.00
Orthents, clayey, undulating	38.15	0.04
Orthents, clayey, undulating	5.97	0.01
Orthents, clayey, undulating	270.34	0.31
Orthents, clayey, undulating	9.95	0.01
Orthents, clayey, undulating	49.86	0.06
Orthents, clayey, undulating	13.17	0.02
Orthents, clayey, undulating	5.02	0.01
Orthents, clayey, undulating	1.17	0.00
Orthents, clayey, undulating	4.89	0.01
Orthents, clayey, undulating	15.41	0.02
Orthents, clayey, undulating	45.17	0.05
Orthents, clayey, undulating	83.68	0.10
Orthents, clayey, undulating	233.40	0.27
Orthents, clayey, undulating	4.40	0.01
Orthents, clayey, undulating	30.83	0.04
Orthents, clayey, undulating	32.14	0.04
Orthents, clayey, undulating	17.16	0.02
Orthents, loamy, undulating	3.54	0.00
Orthents, loamy, undulating	1.10	0.00
Orthents, loamy, undulating	5.86	0.01
Orthents, loamy, undulating	49.37	0.06
Orthents, loamy, undulating	17.07	0.02
Orthents, loamy, undulating	33.25	0.04
Orthents, loamy, undulating	29.44	0.03
Orthents, loamy, undulating	5.81	0.01
Orthents, loamy, undulating	1.10	0.00
Orthents, loamy, undulating	14.00	0.02

Soil Description	Area (Acres)	Percent Area (%)
Orthents, loamy, undulating	2.39	0.00
Orthents, loamy, undulating	19.09	0.02
Orthents, loamy, undulating	10.01	0.01
Ozaukee silt loam, 12 to 20 percent slopes, eroded	2.69	0.00
Ozaukee silt loam, 2 to 4 percent slopes	51.41	0.06
Ozaukee silt loam, 2 to 4 percent slopes	89.67	0.10
Ozaukee silt loam, 2 to 4 percent slopes	4.00	0.00
Ozaukee silt loam, 2 to 4 percent slopes	4.77	0.01
Ozaukee silt loam, 2 to 4 percent slopes	6.35	0.01
Ozaukee silt loam, 2 to 4 percent slopes	3.15	0.00
Ozaukee silt loam, 2 to 4 percent slopes	4.46	0.01
Ozaukee silt loam, 2 to 4 percent slopes	27.53	0.03
Ozaukee silt loam, 2 to 4 percent slopes	7.29	0.01
Ozaukee silt loam, 2 to 4 percent slopes	26.37	0.03
Ozaukee silt loam, 2 to 4 percent slopes	18.25	0.02
Ozaukee silt loam, 2 to 4 percent slopes	40.90	0.05
Ozaukee silt loam, 2 to 4 percent slopes	2.87	0.00
Ozaukee silt loam, 2 to 4 percent slopes	8.75	0.01
Ozaukee silt loam, 2 to 4 percent slopes	282.50	0.32
Ozaukee silt loam, 2 to 4 percent slopes	19.35	0.02
Ozaukee silt loam, 2 to 4 percent slopes	5.96	0.01
Ozaukee silt loam, 2 to 4 percent slopes	17.83	0.02
Ozaukee silt loam, 2 to 4 percent slopes	16.70	0.02
Ozaukee silt loam, 2 to 4 percent slopes	27.15	0.03
Ozaukee silt loam, 2 to 4 percent slopes	287.04	0.33
Ozaukee silt loam, 2 to 4 percent slopes	11.11	0.01
Ozaukee silt loam, 2 to 4 percent slopes	19.79	0.02
Ozaukee silt loam, 2 to 4 percent slopes	3.24	0.00
Ozaukee silt loam, 2 to 4 percent slopes	3.14	0.00
Ozaukee silt loam, 2 to 4 percent slopes	3.14	0.00
Ozaukee silt loam, 2 to 4 percent slopes	20.18	0.02
Ozaukee silt loam, 2 to 4 percent slopes	10.27	0.01
Ozaukee silt loam, 2 to 4 percent slopes	10.05	0.01
Ozaukee silt loam, 2 to 4 percent slopes	0.57	0.00
Ozaukee silt loam, 2 to 4 percent slopes	53.17	0.06
Ozaukee silt loam, 2 to 4 percent slopes	3.73	0.00
Ozaukee silt loam, 2 to 4 percent slopes	275.83	0.32
Ozaukee silt loam, 2 to 4 percent slopes	14.02	0.02
Ozaukee silt loam, 2 to 4 percent slopes	8.73	0.01
Ozaukee silt loam, 2 to 4 percent slopes	1.82	0.00
Ozaukee silt loam, 2 to 4 percent slopes	2.57	0.00
Ozaukee silt loam, 2 to 4 percent slopes	1.19	0.00

Soil Description	Area (Acres)	Percent Area (%)
Ozaukee silt loam, 2 to 4 percent slopes	9.71	0.01
Ozaukee silt loam, 2 to 4 percent slopes	47.05	0.05
Ozaukee silt loam, 2 to 4 percent slopes	8.44	0.01
Ozaukee silt loam, 2 to 4 percent slopes	13.25	0.02
Ozaukee silt loam, 2 to 4 percent slopes	348.50	0.40
Ozaukee silt loam, 2 to 4 percent slopes	3.16	0.00
Ozaukee silt loam, 2 to 4 percent slopes	3.36	0.00
Ozaukee silt loam, 2 to 4 percent slopes	3.86	0.00
Ozaukee silt loam, 2 to 4 percent slopes	4.55	0.01
Ozaukee silt loam, 2 to 4 percent slopes	3.22	0.00
Ozaukee silt loam, 2 to 4 percent slopes	1.93	0.00
Ozaukee silt loam, 2 to 4 percent slopes	1.54	0.00
Ozaukee silt loam, 2 to 4 percent slopes	1.90	0.00
Ozaukee silt loam, 2 to 4 percent slopes	0.94	0.00
Ozaukee silt loam, 2 to 4 percent slopes	15.70	0.02
Ozaukee silt loam, 2 to 4 percent slopes	9.14	0.01
Ozaukee silt loam, 2 to 4 percent slopes	28.30	0.03
Ozaukee silt loam, 2 to 4 percent slopes	4.70	0.01
Ozaukee silt loam, 2 to 4 percent slopes	2.69	0.00
Ozaukee silt loam, 2 to 4 percent slopes	9.76	0.01
Ozaukee silt loam, 2 to 4 percent slopes	2.10	0.00
Ozaukee silt loam, 2 to 4 percent slopes	15.68	0.02
Ozaukee silt loam, 2 to 4 percent slopes	49.53	0.06
Ozaukee silt loam, 2 to 4 percent slopes	5.85	0.01
Ozaukee silt loam, 2 to 4 percent slopes	10.09	0.01
Ozaukee silt loam, 2 to 4 percent slopes	5.48	0.01
Ozaukee silt loam, 2 to 4 percent slopes	10.17	0.01
Ozaukee silt loam, 2 to 4 percent slopes	15.12	0.02
Ozaukee silt loam, 2 to 4 percent slopes	23.97	0.03
Ozaukee silt loam, 2 to 4 percent slopes	125.12	0.14
Ozaukee silt loam, 2 to 4 percent slopes	9.06	0.01
Ozaukee silt loam, 2 to 4 percent slopes	9.45	0.01
Ozaukee silt loam, 2 to 4 percent slopes	23.09	0.03
Ozaukee silt loam, 2 to 4 percent slopes	119.38	0.14
Ozaukee silt loam, 2 to 4 percent slopes	41.36	0.05
Ozaukee silt loam, 2 to 4 percent slopes	48.86	0.06
Ozaukee silt loam, 2 to 4 percent slopes	7.98	0.01
Ozaukee silt loam, 2 to 4 percent slopes	3.58	0.00
Ozaukee silt loam, 2 to 4 percent slopes	13.75	0.02
Ozaukee silt loam, 2 to 4 percent slopes	2.28	0.00
Ozaukee silt loam, 2 to 4 percent slopes, eroded	7.88	0.01
Ozaukee silt loam, 2 to 4 percent slopes, eroded	1.45	0.00

Soil Description	Area (Acres)	Percent Area (%)
Ozaukee silt loam, 4 to 6 percent slopes	6.40	0.01
Ozaukee silt loam, 4 to 6 percent slopes	2.05	0.00
Ozaukee silt loam, 4 to 6 percent slopes	0.18	0.00
Ozaukee silt loam, 4 to 6 percent slopes	1.28	0.00
Ozaukee silt loam, 4 to 6 percent slopes	2.09	0.00
Ozaukee silt loam, 4 to 6 percent slopes	12.03	0.01
Ozaukee silt loam, 4 to 6 percent slopes	20.35	0.02
Ozaukee silt loam, 4 to 6 percent slopes	6.54	0.01
Ozaukee silt loam, 4 to 6 percent slopes	4.46	0.01
Ozaukee silt loam, 4 to 6 percent slopes	1.95	0.00
Ozaukee silt loam, 4 to 6 percent slopes	5.29	0.01
Ozaukee silt loam, 4 to 6 percent slopes	10.01	0.01
Ozaukee silt loam, 4 to 6 percent slopes	6.53	0.01
Ozaukee silt loam, 4 to 6 percent slopes	46.22	0.05
Ozaukee silt loam, 4 to 6 percent slopes	5.63	0.01
Ozaukee silt loam, 4 to 6 percent slopes	6.41	0.01
Ozaukee silt loam, 4 to 6 percent slopes	9.79	0.01
Ozaukee silt loam, 4 to 6 percent slopes	6.23	0.01
Ozaukee silt loam, 4 to 6 percent slopes	92.82	0.11
Ozaukee silt loam, 4 to 6 percent slopes	7.71	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	2.79	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	2.61	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	26.76	0.03
Ozaukee silt loam, 4 to 6 percent slopes, eroded	10.67	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	2.46	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	3.52	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	4.60	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	18.87	0.02
Ozaukee silt loam, 4 to 6 percent slopes, eroded	7.58	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	2.03	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	3.48	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	1.95	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	0.93	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	6.54	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	4.69	0.01
Ozaukee silt loam, 4 to 6 percent slopes, eroded	3.62	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	4.03	0.00
Ozaukee silt loam, 4 to 6 percent slopes, eroded	4.30	0.00
Ozaukee silt loam, 6 to 12 percent slopes	0.07	0.00
Ozaukee silt loam, 6 to 12 percent slopes	3.77	0.00
Ozaukee silt loam, 6 to 12 percent slopes	2.07	0.00
Ozaukee silt loam, 6 to 12 percent slopes	12.23	0.01

Soil Description	Area (Acres)	Percent Area (%)
Ozaukee silt loam, 6 to 12 percent slopes	26.24	0.03
Ozaukee silt loam, 6 to 12 percent slopes, eroded	6.44	0.01
Ozaukee silt loam, 6 to 12 percent slopes, eroded	2.78	0.00
Ozaukee silt loam, 6 to 12 percent slopes, eroded	1.57	0.00
Ozaukee silt loam, 6 to 12 percent slopes, eroded	3.16	0.00
Ozaukee silt loam, 6 to 12 percent slopes, eroded	10.36	0.01
Ozaukee silt loam, 6 to 12 percent slopes, eroded	19.75	0.02
Pella silt loam, 0 to 2 percent slopes, overwash	20.60	0.02
Pella silt loam, 0 to 2 percent slopes, overwash	38.52	0.04
Pella silt loam, 0 to 2 percent slopes, overwash	17.32	0.02
Pella silt loam, 0 to 2 percent slopes, overwash	41.17	0.05
Pella silty clay loam, 0 to 2 percent slopes	3.58	0.00
Pella silty clay loam, 0 to 2 percent slopes	0.01	0.00
Pella silty clay loam, 0 to 2 percent slopes	7.86	0.01
Pella silty clay loam, 0 to 2 percent slopes	8.26	0.01
Pella silty clay loam, 0 to 2 percent slopes	11.13	0.01
Pella silty clay loam, 0 to 2 percent slopes	95.41	0.11
Pella silty clay loam, 0 to 2 percent slopes	2.75	0.00
Pella silty clay loam, 0 to 2 percent slopes	420.02	0.48
Pella silty clay loam, 0 to 2 percent slopes	30.69	0.04
Pella silty clay loam, 0 to 2 percent slopes	50.94	0.06
Pella silty clay loam, 0 to 2 percent slopes	38.59	0.04
Pella silty clay loam, 0 to 2 percent slopes	9.62	0.01
Pella silty clay loam, 0 to 2 percent slopes	2.64	0.00
Pella silty clay loam, 0 to 2 percent slopes	16.22	0.02
Pella silty clay loam, 0 to 2 percent slopes	17.94	0.02
Pella silty clay loam, 0 to 2 percent slopes	2.77	0.00
Pella silty clay loam, 0 to 2 percent slopes	4.28	0.00
Pella silty clay loam, 0 to 2 percent slopes	7.78	0.01
Pella silty clay loam, 0 to 2 percent slopes	13.62	0.02
Pella silty clay loam, 0 to 2 percent slopes	14.60	0.02
Pella silty clay loam, 0 to 2 percent slopes	29.49	0.03
Pella silty clay loam, 0 to 2 percent slopes	25.29	0.03
Pella silty clay loam, 0 to 2 percent slopes	2.03	0.00
Pella silty clay loam, 0 to 2 percent slopes	38.01	0.04
Pella silty clay loam, 0 to 2 percent slopes	2.46	0.00
Pella silty clay loam, 0 to 2 percent slopes	52.86	0.06
Pella silty clay loam, 0 to 2 percent slopes	17.71	0.02
Pella silty clay loam, 0 to 2 percent slopes	36.72	0.04
Pella silty clay loam, 0 to 2 percent slopes	47.04	0.05
Pella silty clay loam, 0 to 2 percent slopes	6.30	0.01
Pella silty clay loam, 0 to 2 percent slopes	10.94	0.01

Soil Description	Area (Acres)	Percent Area (%)
Pella silty clay loam, 0 to 2 percent slopes	8.84	0.01
Pella silty clay loam, 0 to 2 percent slopes	22.79	0.03
Pella silty clay loam, 0 to 2 percent slopes	1.73	0.00
Pella silty clay loam, 0 to 2 percent slopes	141.93	0.16
Pella silty clay loam, 0 to 2 percent slopes	1.97	0.00
Pella silty clay loam, 0 to 2 percent slopes	6.88	0.01
Pella silty clay loam, 0 to 2 percent slopes	6.72	0.01
Pella silty clay loam, 0 to 2 percent slopes	6.48	0.01
Pella silty clay loam, 0 to 2 percent slopes	33.91	0.04
Peotone silty clay loam	10.92	0.01
Peotone silty clay loam	2.22	0.00
Peotone silty clay loam	0.71	0.00
Peotone silty clay loam	14.07	0.02
Peotone silty clay loam	2.58	0.00
Peotone silty clay loam	4.38	0.01
Peotone silty clay loam, 0 to 2 percent slopes	2.14	0.00
Peotone silty clay loam, 0 to 2 percent slopes	52.91	0.06
Peotone silty clay loam, 0 to 2 percent slopes	1.11	0.00
Peotone silty clay loam, 0 to 2 percent slopes	0.58	0.00
Peotone silty clay loam, 0 to 2 percent slopes	2.73	0.00
Peotone silty clay loam, 0 to 2 percent slopes	31.57	0.04
Peotone silty clay loam, 0 to 2 percent slopes	2.80	0.00
Peotone silty clay loam, 0 to 2 percent slopes	9.06	0.01
Peotone silty clay loam, 0 to 2 percent slopes	3.67	0.00
Peotone silty clay loam, 0 to 2 percent slopes	0.95	0.00
Peotone silty clay loam, 0 to 2 percent slopes	15.23	0.02
Peotone silty clay loam, 0 to 2 percent slopes	1.34	0.00
Peotone silty clay loam, 0 to 2 percent slopes	9.71	0.01
Peotone silty clay loam, 0 to 2 percent slopes	4.53	0.01
Peotone silty clay loam, 0 to 2 percent slopes	6.50	0.01
Peotone silty clay loam, 0 to 2 percent slopes	19.86	0.02
Peotone silty clay loam, 0 to 2 percent slopes	2.58	0.00
Peotone silty clay loam, 0 to 2 percent slopes	19.14	0.02
Peotone silty clay loam, 0 to 2 percent slopes	9.50	0.01
Peotone silty clay loam, 0 to 2 percent slopes	56.29	0.06
Peotone silty clay loam, undrained, 0 to 2 percent slopes	2.33	0.00
Peotone silty clay loam, undrained, 0 to 2 percent slopes	1.23	0.00
Peotone silty clay loam, undrained, 0 to 2 percent slopes	1.15	0.00
Peotone silty clay loam, undrained, 0 to 2 percent slopes	4.14	0.00
Peotone silty clay loam, undrained, 0 to 2 percent slopes	3.58	0.00
Peotone silty clay loam, undrained, 0 to 2 percent slopes	30.04	0.03
Peotone silty clay loam, wet	10.55	0.01

Soil Description	Area (Acres)	Percent Area (%)
Sawmill silty clay loam	200.43	0.23
Sawmill silty clay loam	21.06	0.02
Sawmill silty clay loam	13.49	0.02
Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	115.37	0.13
Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	158.48	0.18
Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	61.30	0.07
Saylesville silt loam, 2 to 4 percent slopes	16.57	0.02
Saylesville silt loam, 2 to 4 percent slopes	4.49	0.01
Saylesville silt loam, 2 to 4 percent slopes	2.60	0.00
Saylesville silt loam, 2 to 4 percent slopes	5.87	0.01
Saylesville silt loam, 2 to 4 percent slopes	36.65	0.04
Saylesville silt loam, 2 to 4 percent slopes	8.96	0.01
Saylesville silt loam, 2 to 4 percent slopes	6.15	0.01
Saylesville silt loam, 2 to 4 percent slopes	41.51	0.05
Saylesville silt loam, 2 to 4 percent slopes	1.68	0.00
Saylesville silt loam, 2 to 4 percent slopes	9.43	0.01
Saylesville silt loam, 2 to 4 percent slopes	5.52	0.01
Saylesville silt loam, 2 to 4 percent slopes	13.10	0.02
Saylesville silt loam, 2 to 4 percent slopes	4.38	0.01
Saylesville silt loam, 2 to 4 percent slopes	3.81	0.00
Saylesville silt loam, 2 to 4 percent slopes	10.19	0.01
Saylesville silt loam, 2 to 4 percent slopes	5.64	0.01
Saylesville silt loam, 2 to 4 percent slopes	4.45	0.01
Saylesville silt loam, 2 to 4 percent slopes	16.42	0.02
Saylesville silt loam, 2 to 4 percent slopes	4.03	0.00
Saylesville silt loam, 2 to 4 percent slopes	22.80	0.03
Saylesville silt loam, 2 to 4 percent slopes	18.57	0.02
Saylesville silt loam, 2 to 4 percent slopes	7.21	0.01
Saylesville silt loam, 2 to 4 percent slopes	3.69	0.00
Saylesville silt loam, 2 to 4 percent slopes	0.86	0.00
Saylesville silt loam, 2 to 4 percent slopes	2.57	0.00
Saylesville silt loam, 2 to 4 percent slopes	8.75	0.01
Saylesville silt loam, 2 to 4 percent slopes	165.22	0.19
Saylesville silt loam, 2 to 4 percent slopes	24.58	0.03
Saylesville silt loam, 2 to 4 percent slopes	3.11	0.00
Saylesville silt loam, 2 to 4 percent slopes	2.89	0.00
Saylesville silt loam, 2 to 4 percent slopes	10.18	0.01
Saylesville silt loam, 2 to 4 percent slopes	58.01	0.07
Saylesville silt loam, 2 to 4 percent slopes	63.93	0.07
Saylesville silt loam, 2 to 4 percent slopes	1.42	0.00
Saylesville silt loam, 2 to 4 percent slopes	2.99	0.00
Saylesville silt loam, 2 to 4 percent slopes	24.88	0.03

Soil Description	Area (Acres)	Percent Area (%)
Saylesville silt loam, 2 to 4 percent slopes	4.86	0.01
Saylesville silt loam, 2 to 4 percent slopes	16.08	0.02
Saylesville silt loam, 2 to 4 percent slopes	2.67	0.00
Saylesville silt loam, 2 to 4 percent slopes	10.67	0.01
Saylesville silt loam, 2 to 4 percent slopes	2.81	0.00
Saylesville silt loam, 4 to 6 percent slopes, eroded	6.30	0.01
Saylesville silt loam, 4 to 6 percent slopes, eroded	4.92	0.01
Selma loam	8.16	0.01
Selma loam	3.66	0.00
Selma loam	4.85	0.01
Selma loam	4.93	0.01
Selma loam	9.56	0.01
Selma loam	6.41	0.01
Selma loam	3.15	0.00
Selma loam	19.78	0.02
Selma loam	7.12	0.01
Selma loam	1.51	0.00
Selma loam	2.13	0.00
Selma loam	14.37	0.02
Swygert silty clay loam	8.26	0.01
Swygert silty clay loam	27.99	0.03
Swygert silty clay loam	3.07	0.00
Swygert silty clay loam	6.06	0.01
Symerton silt loam, 2 to 5 percent slopes	3.08	0.00
Symerton silt loam, 2 to 5 percent slopes	2.71	0.00
Symerton silt loam, 2 to 5 percent slopes	4.65	0.01
Symerton silt loam, 2 to 5 percent slopes	3.97	0.00
Unmapped area	40534.00	46.60
Urban land	60.99	0.07
Urban land	117.57	0.14
Urban land	13.46	0.02
Urban land	9.84	0.01
Urban land	18.85	0.02
Urban land	6.42	0.01
Urban land	85.57	0.10
Urban land	6.38	0.01
Urban land	68.88	0.08
Urban land	101.31	0.12
Urban land	5.24	0.01
Urban land	3.22	0.00
Urban land	18.10	0.02
Urban land	60.51	0.07

Soil Description	Area (Acres)	Percent Area (%)
Urban land	59.46	0.07
Urban land	0.04	0.00
Urban land	52.26	0.06
Urban land	7.13	0.01
Urban land	54.48	0.06
Urban land	9.63	0.01
Urban land-Drummer-Barrington complex, 1 to 7 percent slopes	11.17	0.01
Urban land-Drummer-Barrington complex, 1 to 7 percent slopes	91.23	0.10
Urban land-Drummer-Barrington complex, 1 to 7 percent slopes	44.95	0.05
Urban land-Drummer-Barrington complex, 1 to 7 percent slopes	9.20	0.01
Urban land-Drummer-Barrington complex, 1 to 7 percent slopes	64.77	0.07
Urban land-Frankfort-Bryce complex, 1 to 7 percent slopes	89.65	0.10
Urban land-Frankfort-Bryce complex, 1 to 7 percent slopes	31.35	0.04
Urban land-Frankfort-Bryce complex, 1 to 7 percent slopes	49.67	0.06
Urban land-Frankfort-Bryce complex, 1 to 7 percent slopes	44.96	0.05
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	457.55	0.53
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	74.61	0.09
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	215.85	0.25
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	301.08	0.35
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	41.93	0.05
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	930.06	1.07
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	650.29	0.75
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	17.99	0.02
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	28.52	0.03
Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	196.67	0.23
Urban land-Milford-Martinton complex	164.50	0.19
Urban land-Milford-Martinton complex	79.61	0.09
Urban land-Milford-Martinton complex	6.78	0.01
Urban land-Milford-Martinton complex	54.45	0.06
Urban land-Milford-Martinton complex	59.09	0.07
Urban land-Milford-Martinton complex	23.73	0.03
Urban land-Morley complex, 2 to 7 percent slopes	28.71	0.03
Urban land-Orthents, clayey complex	2.57	0.00
Urban land-Orthents, clayey complex	606.81	0.70
Urban land-Orthents, clayey complex	62.19	0.07
Urban land-Orthents, clayey complex	10.99	0.01
Urban land-Orthents, clayey complex	147.31	0.17
Urban land-Orthents, clayey complex	372.06	0.43
Urban land-Orthents, clayey complex	36.56	0.04
Urban land-Orthents, clayey complex	16.42	0.02
Urban land-Orthents, clayey complex	12.85	0.01
Urban land-Orthents, clayey complex	374.98	0.43

Soil Description	Area (Acres)	Percent Area (%)
Urban land-Orthents, clayey complex	1004.41	1.15
Urban land-Orthents, clayey complex	15.24	0.02
Urban land-Orthents, clayey complex	20.90	0.02
Urban land-Orthents, clayey complex	124.92	0.14
Urban land-Orthents, clayey complex	12.77	0.01
Urban land-Orthents, clayey complex	20.51	0.02
Urban land-Orthents, clayey complex	1240.16	1.43
Urban land-Orthents, loamy complex	2.30	0.00
Urban land-Orthents, loamy complex	3.94	0.00
Urban land-Orthents, loamy complex	3.77	0.00
Urban land-Orthents, loamy complex	4.33	0.00
Urban land-Orthents, loamy complex	24.62	0.03
Urban land-Orthents, loamy complex	201.22	0.23
Varna silt loam, 2 to 5 percent slopes	4.80	0.01
Varna silt loam, 2 to 5 percent slopes	2.00	0.00
Varna silt loam, 2 to 5 percent slopes	1.88	0.00
Warsaw silt loam, 2 to 5 percent slopes	9.24	0.01
Warsaw silt loam, 2 to 5 percent slopes	2.14	0.00
Warsaw silt loam, 2 to 5 percent slopes	10.95	0.01
Warsaw silt loam, 2 to 5 percent slopes	4.67	0.01
Warsaw silt loam, 2 to 5 percent slopes	11.28	0.01
Water	4.83	0.01
Water	2.23	0.00
Water	1.48	0.00
Water	7.20	0.01
Water	8.25	0.01
Water	2.83	0.00
Water	2.38	0.00
Water	9.42	0.01
Water	1.20	0.00
Water	1.31	0.00
Water	6.91	0.01
Water	11.78	0.01
Water	1.88	0.00
Water	0.67	0.00
Water	1.53	0.00
Water	2.16	0.00
Water	0.02	0.00
Water	3.07	0.00
Water	1.44	0.00
Water	1.80	0.00
Water	14.50	0.02

Soil Description	Area (Acres)	Percent Area (%)
Water	7.48	0.01
Water	0.89	0.00
Water	0.70	0.00
Water	10.36	0.01
Water	8.44	0.01
Water	0.92	0.00
Water	0.75	0.00
Water	0.65	0.00
Water	18.05	0.02
Water	1.84	0.00
Water	11.39	0.01
Water	7.61	0.01
Water	5.12	0.01
Water	0.84	0.00
Water	1.14	0.00
Water	1.24	0.00
Water	1.63	0.00
Water	4.21	0.00
Water	9.25	0.01
Water	16.34	0.02
Water	0.96	0.00
Water	0.94	0.00
Water	1.77	0.00
Water	1.18	0.00
Water	3.90	0.00
Water	3.93	0.00
Water	1.52	0.00
Water	0.49	0.00
Water	1.03	0.00
Water	1.36	0.00
Water	3.53	0.00
Water	1.57	0.00
Water	2.98	0.00
Water	9.61	0.01
Water	4.33	0.00
Water	3.31	0.00
Water	2.63	0.00
Water	7.54	0.01
Water	7.51	0.01
Water	7.96	0.01
Water	11.30	0.01
Water	1.61	0.00

Soil Description	Area (Acres)	Percent Area (%)
Water	3.58	0.00
Water	2.32	0.00
Water	1.79	0.00
Water	1.88	0.00
Water	1.79	0.00
Water	0.97	0.00
Water	2.07	0.00
Water	1.32	0.00
Water	3.54	0.00
Water	3.24	0.00
Water	2.77	0.00
Water	2.21	0.00
Water	6.14	0.01
Water	2.98	0.00
Water	1.43	0.00
Water	0.75	0.00
Water	6.01	0.01
Water	1.71	0.00
Water	2.31	0.00
Water	1.41	0.00
Water	3.52	0.00
Water	5.49	0.01
Water	2.28	0.00
Water	1.49	0.00
Water	2.20	0.00
Water	1.06	0.00
Water	0.92	0.00
Water	0.98	0.00
Water	1.16	0.00
Water	1.58	0.00
Water	2.08	0.00
Water	1.32	0.00
Water	2.38	0.00
Water	2.36	0.00
Water	1.22	0.00
Water	4.20	0.00
Water	1.83	0.00
Water	2.05	0.00
Water	7.81	0.01
Water	4.17	0.00
Water	2.99	0.00
Water	3.04	0.00

Soil Description	Area (Acres)	Percent Area (%)
Water	1.11	0.00
Water	3.55	0.00
Water	1.14	0.00
Water	3.07	0.00
Water	4.67	0.01
Water	3.76	0.00
Water	6.62	0.01
Water	4.87	0.01
Water	0.99	0.00
Water	0.58	0.00
Water	3.35	0.00
Water	6.44	0.01
Water	3.71	0.00
Water	3.47	0.00
Water	1.73	0.00
Water	1.61	0.00
Water	0.82	0.00
Water	1.08	0.00
Water	8.41	0.01
Water	4.60	0.01
Water	3.13	0.00
Water	5.40	0.01
Water	13.06	0.02
Water	0.93	0.00
Water	11.82	0.01
Water	2.15	0.00
Water	1.51	0.00
Water	2.27	0.00
Water	2.91	0.00
Water	7.34	0.01
Water	2.05	0.00
Water	1.45	0.00
Water	4.52	0.01
Water	2.84	0.00
Water	1.75	0.00
Water	2.16	0.00
Water	1.81	0.00
Water	10.20	0.01
Water	0.89	0.00
Water	2.99	0.00
Water	2.28	0.00
Water	2.93	0.00

Soil Description	Area (Acres)	Percent Area (%)
Water	1.10	0.00
Water	2.12	0.00
Water	0.66	0.00
Water	1.73	0.00
Water	185.65	0.21
Water	0.65	0.00
Water	4.38	0.01
Water	11.74	0.01
Water	2.08	0.00
Water	0.74	0.00
Water	6.92	0.01
Water	1.03	0.00
Water	0.44	0.00
Water	1.00	0.00
Water	5.30	0.01
Water	3.61	0.00
Water	0.48	0.00
Water	1.76	0.00
Water	2.84	0.00
Water	0.98	0.00
Water	1.15	0.00
Water	3.02	0.00
Water	0.36	0.00
Water	1.20	0.00
Water	85.05	0.10
Water	5.90	0.01
Water	0.40	0.00
Water	0.31	0.00
Water	19.20	0.02
Water	1.22	0.00
Water	0.39	0.00
Water	3.17	0.00
Water	1.15	0.00
Water	2.22	0.00
Water	0.56	0.00
Water	1.96	0.00
Water	0.89	0.00
Water	0.35	0.00
Water	0.44	0.00
Water	1.91	0.00
Water	0.88	0.00
Water	0.50	0.00

Soil Description	Area (Acres)	Percent Area (%)
Water	23.82	0.03
Water	1.80	0.00
Water	1.80	0.00
Water	0.20	0.00
Water	1.02	0.00
Water	1.18	0.00
Water	2.29	0.00
Water	2.29	0.00
Water	0.92	0.00
Water	21.22	0.02
Water	3.26	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	6.59	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.34	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	9.16	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	0.18	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.05	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	11.62	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	10.64	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.24	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	14.66	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	1.65	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.99	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	6.98	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	8.58	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.90	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	9.96	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	59.54	0.07
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.93	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	3.37	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.68	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	11.54	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	1.41	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	8.69	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	8.26	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	31.54	0.04
Wauconda and Beecher silt loams, 0 to 2 percent slopes	0.92	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.14	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	10.32	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.28	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	16.17	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.14	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.13	0.00

Soil Description	Area (Acres)	Percent Area (%)
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.99	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	6.33	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.18	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.81	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	1.75	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	8.60	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	53.02	0.06
Wauconda and Beecher silt loams, 0 to 2 percent slopes	10.34	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	20.77	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	7.12	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	24.15	0.03
Wauconda and Beecher silt loams, 0 to 2 percent slopes	3.15	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.51	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.03	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.45	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.89	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.72	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	4.28	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	5.25	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	2.03	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	19.86	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	8.86	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	1.46	0.00
Wauconda and Beecher silt loams, 0 to 2 percent slopes	28.84	0.03
Wauconda and Beecher silt loams, 0 to 2 percent slopes	36.71	0.04
Wauconda and Beecher silt loams, 0 to 2 percent slopes	6.72	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	19.98	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	6.70	0.01
Wauconda and Beecher silt loams, 0 to 2 percent slopes	14.52	0.02
Wauconda and Beecher silt loams, 0 to 2 percent slopes	9.48	0.01
Wauconda and Beecher silt loams, 2 to 4 percent slopes	20.70	0.02
Wauconda and Beecher silt loams, 2 to 4 percent slopes	3.17	0.00
Wauconda and Beecher silt loams, 2 to 4 percent slopes	9.72	0.01
Wauconda and Beecher silt loams, 2 to 4 percent slopes	8.44	0.01
Wauconda and Beecher silt loams, 2 to 4 percent slopes	3.96	0.00
Wauconda and Beecher silt loams, 2 to 4 percent slopes	11.09	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	8.13	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	16.89	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	10.54	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.75	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	7.29	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.38	0.01

Soil Description	Area (Acres)	Percent Area (%)
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.17	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.91	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.28	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.34	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.14	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.10	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.43	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.04	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	18.07	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	8.80	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.96	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.19	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.39	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.70	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	26.26	0.03
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	10.27	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.86	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.43	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	13.03	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	5.05	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	10.18	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.13	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.79	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	6.16	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	0.70	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.55	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	14.01	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.25	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.32	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	164.72	0.19
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	95.78	0.11
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.86	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.73	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	55.07	0.06
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	8.44	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.71	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	12.50	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	71.26	0.08
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	13.91	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.92	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.00	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	5.78	0.01

Soil Description	Area (Acres)	Percent Area (%)
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.33	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.47	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.77	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	23.64	0.03
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.69	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.29	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	21.61	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	4.12	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	12.61	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.45	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	8.38	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.12	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	8.88	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	3.33	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	10.45	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.36	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	2.46	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	6.74	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	1.93	0.00
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	21.40	0.02
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	84.82	0.10
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	9.57	0.01
Wauconda and Frankfort silt loams, 0 to 2 percent slopes	20.84	0.02
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	5.81	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	3.41	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.62	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	2.70	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.63	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	3.58	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.31	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	2.45	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	7.48	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.36	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	3.36	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	9.23	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.96	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	8.52	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	19.44	0.02
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.87	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.10	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	3.63	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.63	0.00

Soil Description	Area (Acres)	Percent Area (%)
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	2.67	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.46	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.79	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	1.74	0.00
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	6.96	0.01
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	32.18	0.04
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	14.56	0.02
Wauconda and Frankfort silt loams, 2 to 4 percent slopes	4.16	0.00
Wauconda silt loam	6.28	0.01
Wauconda silt loam	8.14	0.01
Wauconda silt loam	2.67	0.00
Wauconda silt loam	33.30	0.04
Wauconda silt loam	6.13	0.01
Wauconda silt loam	25.19	0.03
Wauconda silt loam	11.08	0.01
Wauconda silt loam, 0 to 2 percent slopes	33.73	0.04
Wauconda silt loam, 0 to 2 percent slopes	11.61	0.01
Wauconda silt loam, 0 to 2 percent slopes	10.99	0.01
Wauconda silt loam, 0 to 2 percent slopes	12.30	0.01
Wauconda silt loam, 0 to 2 percent slopes	2.46	0.00
Wauconda silt loam, 0 to 2 percent slopes	3.23	0.00
Wauconda silt loam, 0 to 2 percent slopes	6.97	0.01
Wauconda silt loam, 0 to 2 percent slopes	11.78	0.01
Wauconda silt loam, 0 to 2 percent slopes	3.68	0.00
Wauconda silt loam, 0 to 2 percent slopes	6.30	0.01
Wauconda silt loam, 0 to 2 percent slopes	35.93	0.04
Wauconda silt loam, 0 to 2 percent slopes	2.28	0.00
Wauconda silt loam, 0 to 2 percent slopes	33.78	0.04
Wauconda silt loam, 0 to 2 percent slopes	9.66	0.01
Wauconda silt loam, 0 to 2 percent slopes	2.52	0.00
Wauconda silt loam, 0 to 2 percent slopes	11.31	0.01
Wauconda silt loam, 0 to 2 percent slopes	3.67	0.00
Wauconda silt loam, 0 to 2 percent slopes	10.62	0.01
Wauconda silt loam, 0 to 2 percent slopes	3.44	0.00
Wauconda silt loam, 0 to 2 percent slopes	1.73	0.00
Wauconda silt loam, 0 to 2 percent slopes	14.45	0.02
Wauconda silt loam, 0 to 2 percent slopes	2.66	0.00
Wauconda silt loam, 0 to 2 percent slopes	6.98	0.01
Wauconda silt loam, 0 to 2 percent slopes	107.77	0.12
Wauconda silt loam, 0 to 2 percent slopes	2.00	0.00
Wauconda silt loam, 0 to 2 percent slopes	32.06	0.04
Wauconda silt loam, 0 to 2 percent slopes	4.70	0.01

Soil Description	Area (Acres)	Percent Area (%)
Wauconda silt loam, 0 to 2 percent slopes	2.56	0.00
Wauconda silt loam, 0 to 2 percent slopes	44.73	0.05
Wauconda silt loam, 0 to 2 percent slopes	11.83	0.01
Wauconda silt loam, 0 to 2 percent slopes	57.11	0.07
Wauconda silt loam, 0 to 2 percent slopes	2.25	0.00
Wauconda silt loam, 0 to 2 percent slopes	3.17	0.00
Wauconda silt loam, 0 to 2 percent slopes	4.88	0.01
Wauconda silt loam, 0 to 2 percent slopes	2.37	0.00
Wauconda silt loam, 0 to 2 percent slopes	12.88	0.01
Wauconda silt loam, 0 to 2 percent slopes	4.57	0.01
Wauconda silt loam, 0 to 2 percent slopes	3.43	0.00
Wauconda silt loam, 0 to 2 percent slopes	9.63	0.01
Wauconda silt loam, 0 to 2 percent slopes	8.02	0.01
Wauconda silt loam, 0 to 2 percent slopes	14.34	0.02
Wauconda silt loam, 0 to 2 percent slopes	10.79	0.01
Wauconda silt loam, 0 to 2 percent slopes	30.51	0.04
Wauconda silt loam, 0 to 2 percent slopes	10.14	0.01
Wauconda silt loam, 0 to 2 percent slopes	3.17	0.00
Wauconda silt loam, 0 to 2 percent slopes	1.95	0.00
Wauconda silt loam, 0 to 2 percent slopes	1.18	0.00
Wauconda silt loam, 0 to 2 percent slopes	54.32	0.06
Wauconda silt loam, 0 to 2 percent slopes	6.88	0.01
Wauconda silt loam, 2 to 4 percent slopes	10.36	0.01
Wauconda silt loam, 2 to 4 percent slopes	1.53	0.00
Wauconda silt loam, 2 to 4 percent slopes	2.44	0.00
Wauconda silt loam, 2 to 4 percent slopes	35.03	0.04
Wauconda silt loam, 2 to 4 percent slopes	9.00	0.01
Wauconda silt loam, 2 to 4 percent slopes	8.61	0.01
Will silty clay loam	4.62	0.01
Will silty clay loam	1.89	0.00
Will silty clay loam	1.98	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	17.29	0.02
Zurich and Nappanee silt loams, 2 to 4 percent slopes	2.50	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	43.33	0.05
Zurich and Nappanee silt loams, 2 to 4 percent slopes	5.92	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.82	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	7.62	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.34	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	5.18	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	2.69	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	12.63	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.25	0.00

Soil Description	Area (Acres)	Percent Area (%)
Zurich and Nappanee silt loams, 2 to 4 percent slopes	9.18	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	2.70	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	0.12	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.62	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.81	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	7.37	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.04	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	5.31	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	7.85	0.01
Zurich and Nappanee silt loams, 2 to 4 percent slopes	0.82	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.33	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	2.22	0.00
Zurich and Nappanee silt loams, 2 to 4 percent slopes	3.31	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	3.67	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	2.32	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	6.32	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	11.14	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	2.93	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	16.43	0.02
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	8.33	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	4.25	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	8.86	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	25.43	0.03
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	4.29	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	3.27	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	9.03	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	10.51	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	13.13	0.02
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	4.96	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	4.97	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	1.70	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	9.15	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	1.15	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	7.07	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	9.74	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	18.24	0.02
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	4.36	0.01
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	2.65	0.00
Zurich and Ozaukee silt loams, 2 to 4 percent slopes	17.10	0.02
Zurich and Ozaukee silt loams, 4 to 6 percent slopes, eroded	0.99	0.00
Zurich silt loam, 0 to 2 percent slopes	2.43	0.00
Zurich silt loam, 0 to 2 percent slopes	17.33	0.02

Soil Description	Area (Acres)	Percent Area (%)
Zurich silt loam, 0 to 2 percent slopes	3.62	0.00
Zurich silt loam, 0 to 2 percent slopes	6.20	0.01
Zurich silt loam, 0 to 2 percent slopes	5.81	0.01
Zurich silt loam, 0 to 2 percent slopes	4.61	0.01
Zurich silt loam, 0 to 2 percent slopes	0.99	0.00
Zurich silt loam, 0 to 2 percent slopes	2.76	0.00
Zurich silt loam, 0 to 2 percent slopes	5.05	0.01
Zurich silt loam, 0 to 2 percent slopes	3.21	0.00
Zurich silt loam, 0 to 2 percent slopes	16.68	0.02
Zurich silt loam, 0 to 2 percent slopes	12.67	0.01
Zurich silt loam, 0 to 2 percent slopes	4.16	0.00
Zurich silt loam, 0 to 2 percent slopes	4.21	0.00
Zurich silt loam, 0 to 2 percent slopes	7.39	0.01
Zurich silt loam, 0 to 2 percent slopes	4.80	0.01
Zurich silt loam, 0 to 2 percent slopes	2.61	0.00
Zurich silt loam, 0 to 2 percent slopes	9.77	0.01
Zurich silt loam, 0 to 2 percent slopes	3.20	0.00
Zurich silt loam, 0 to 2 percent slopes	1.31	0.00
Zurich silt loam, 0 to 2 percent slopes	1.12	0.00
Zurich silt loam, 2 to 4 percent slopes	2.17	0.00
Zurich silt loam, 2 to 4 percent slopes	2.77	0.00
Zurich silt loam, 2 to 4 percent slopes	1.89	0.00
Zurich silt loam, 2 to 4 percent slopes	16.28	0.02
Zurich silt loam, 2 to 4 percent slopes	3.40	0.00
Zurich silt loam, 2 to 4 percent slopes	11.71	0.01
Zurich silt loam, 2 to 4 percent slopes	43.71	0.05
Zurich silt loam, 2 to 4 percent slopes	13.59	0.02
Zurich silt loam, 2 to 4 percent slopes	1.39	0.00
Zurich silt loam, 2 to 4 percent slopes	24.21	0.03
Zurich silt loam, 2 to 4 percent slopes	16.42	0.02
Zurich silt loam, 2 to 4 percent slopes	1.35	0.00
Zurich silt loam, 2 to 4 percent slopes	4.69	0.01
Zurich silt loam, 2 to 4 percent slopes	6.35	0.01
Zurich silt loam, 2 to 4 percent slopes	1.63	0.00
Zurich silt loam, 2 to 4 percent slopes	1.92	0.00
Zurich silt loam, 2 to 4 percent slopes	1.92	0.00
Zurich silt loam, 2 to 4 percent slopes	0.83	0.00
Zurich silt loam, 2 to 4 percent slopes	1.84	0.00
Zurich silt loam, 2 to 4 percent slopes	1.46	0.00
Zurich silt loam, 2 to 4 percent slopes	2.56	0.00
Zurich silt loam, 2 to 5 percent slopes	4.17	0.00
Zurich silt loam, 2 to 5 percent slopes	5.90	0.01

Soil Description	Area (Acres)	Percent Area (%)
Zurich silt loam, 2 to 5 percent slopes	7.60	0.01
Total	**86985.97**	**100**

Appendix D

Historical Water Quality Data

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-1	2002-05-14		Alkalinity	195	mg/l CaCO3	
UHH	UHH-1	2002-06-18		Alkalinity	185	mg/l CaCO3	
UHH	UHH-1	2002-07-23		Alkalinity	163	mg/l CaCO3	
UHH	UHH-1	2002-08-20		Alkalinity	173	mg/l CaCO3	
UHH	UHH-1	2002-09-17		Alkalinity	175	mg/l CaCO3	
UHH	UHH-2	2002-05-14		Alkalinity	211	mg/l CaCO3	
UHH	UHH-2	2002-06-18		Alkalinity	173	mg/l CaCO3	
UHH	UHH-2	2002-07-23		Alkalinity	166	mg/l CaCO3	
UHH	UHH-2	2002-08-20		Alkalinity	192	mg/l CaCO3	
UHH	UHH-2	2002-09-17		Alkalinity	182	mg/l CaCO3	
UHH	UHH-1	2002-05-14		Ammonia as N	1.24	mg/L	
UHH	UHH-1	2002-06-18		Ammonia as N	0.81	mg/L	
UHH	UHH-1	2002-07-23		Ammonia as N	ND	mg/L	3
UHH	UHH-1	2002-08-20		Ammonia as N	ND	mg/L	3
UHH	UHH-1	2002-09-17		Ammonia as N	ND	mg/L	3
UHH	UHH-2	2002-05-14		Ammonia as N	ND	mg/L	3
UHH	UHH-2	2002-06-18		Ammonia as N	ND	mg/L	3
UHH	UHH-2	2002-07-23		Ammonia as N	ND	mg/L	3
UHH	UHH-2	2002-08-20		Ammonia as N	ND	mg/L	3
UHH	UHH-2	2002-09-17		Ammonia as N	ND	mg/L	3
HCC-07	WW_96	2004-10-11		BOD	0	mg/L	
HCC-07	WW_96	2005-01-10		BOD	4	mg/L	
HCC-07	WW_96	2004-06-14		BOD	6	mg/L	
HCC-07	WW_96	2004-12-13		BOD	5	mg/L	
HCC-07	WW_96	2004-09-13		BOD	0	mg/L	
HCC-07	WW_96	2004-08-09		BOD	0	mg/L	
HCC-07	WW_96	2003-08-11		BOD	0	mg/L	
HCC-07	WW_96	2003-05-12		BOD	3	mg/L	
HCC-07	WW_96	2002-09-09		BOD	0	mg/L	
HCC-07	WW_96	2001-04-09		BOD	8	mg/L	
HCC-07	WW_96	2003-04-14		BOD	5	mg/L	
HCC-07	WW_96	2003-01-13		BOD	4	mg/L	
HCC-07	WW_96	2003-06-09		BOD	3	mg/L	
HCC-07	WW_96	2002-12-09		BOD	3	mg/L	
HCC-07	WW_96	2001-03-12		BOD	5	mg/L	
HCC-07	WW_96	2002-10-14		BOD	0	mg/L	
HCC-07	WW_96	2003-07-14		BOD	0	mg/L	
HCC-07	WW_96	2002-11-12		BOD	4	mg/L	
HCC-07	WW_96	2004-03-08		BOD	3	mg/L	
HCC-07	WW_96	2001-08-13		BOD	0	mg/L	
HCC-07	WW_96	2002-01-14		BOD	16	mg/L	
HCC-07	WW_96	2002-03-11		BOD	3	mg/L	
HCC-07	WW_96	2001-07-09		BOD	3	mg/L	
HCC-07	WW_96	2002-02-11		BOD	3	mg/L	
HCC-07	WW_96	2001-09-10		BOD	0	mg/L	
HCC-07	WW_96	2001-11-13		BOD	3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2001-10-08		BOD	3	mg/L	
HCC-07	WW_96	2004-05-10		BOD	0	mg/L	
HCC-07	WW_96	2001-12-10		BOD	7	mg/L	
HCC-07	WW_96	2002-07-08		BOD	0	mg/L	
HCC-07	WW_96	2003-10-13		BOD	5	mg/L	
HCC-07	WW_96	2002-06-10		BOD	3	mg/L	
HCC-07	WW_96	2002-08-12		BOD	0	mg/L	
HCC-07	WW_96	2001-05-14		BOD	4	mg/L	
HCC-07	WW_96	2003-09-08		BOD	0	mg/L	
HCC-07	WW_96	2003-12-08		BOD	6	mg/L	
HCC-07	WW_96	2002-04-08		BOD	5	mg/L	
HCC-07	WW_96	2002-05-13		BOD	5	mg/L	
HCC-07	WW_96	2001-06-11		BOD	0	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	BOD, carbonaceous	1	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	BOD, carbonaceous	3	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	BOD, carbonaceous	2	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	BOD, carbonaceous	1	mg/L	
HCC-07	WW_96	2004-10-11		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2005-01-10		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2004-06-14		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2004-12-13		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2004-09-13		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2004-08-09		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2003-08-11		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2003-05-12		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2003-04-14		BOD, carbonaceous	5	mg/L	
HCC-07	WW_96	2002-09-09		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2001-04-09		BOD, carbonaceous	5	mg/L	
HCC-07	WW_96	2003-06-09		BOD, carbonaceous	2	mg/L	
HCC-07	WW_96	2002-12-09		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2003-01-13		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2001-03-12		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2003-07-14		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2002-10-14		BOD, carbonaceous	2	mg/L	
HCC-07	WW_96	2002-11-12		BOD, carbonaceous	5	mg/L	
HCC-07	WW_96	2004-03-08		BOD, carbonaceous	2	mg/L	
HCC-07	WW_96	2001-08-13		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2001-07-09		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2002-02-11		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2001-09-10		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2001-11-13		BOD, carbonaceous	2	mg/L	
HCC-07	WW_96	2004-05-10		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2001-10-08		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2001-12-10		BOD, carbonaceous	6	mg/L	
HCC-07	WW_96	2003-10-13		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2002-06-10		BOD, carbonaceous	3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2002-08-12		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2001-05-14		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2002-07-08		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2003-09-08		BOD, carbonaceous	0	mg/L	
HCC-07	WW_96	2002-04-08		BOD, carbonaceous	4	mg/L	
HCC-07	WW_96	2002-03-11		BOD, carbonaceous	3	mg/L	
HCC-07	WW_96	2003-12-08		BOD, carbonaceous	5	mg/L	
HCC-07	WW_96	2002-05-13		BOD, carbonaceous	2	mg/L	
HCC-07	WW_96	2001-06-11		BOD, carbonaceous	0	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	BOD, carbonaceous	1	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	BOD, carbonaceous	3	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	BOD, carbonaceous	2	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	BOD, carbonaceous	2	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	BOD, carbonaceous	2	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	BOD, carbonaceous	1	mg/L	
HCC-07	HCC-07	2000-01-24	13:15	Carbon, Total Organic	5.8	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Carbon, Total Organic	6.2	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Carbon, Total Organic	6.3	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Carbon, Total Organic	7	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Carbon, Total Organic	6.56	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Carbon, Total Organic	6.5	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Carbon, Total Organic	6.1	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Carbon, Total Organic	6.8	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Carbon, Total Organic	8.6	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Carbon, Total Organic	7.8	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Carbon, Total Organic	6.7	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Carbon, Total Organic	7.3	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Carbon, Total Organic	6.6	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Carbon, Total Organic	3.9	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Carbon, Total Organic	5.5	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Carbon, Total Organic	6.1	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Carbon, Total Organic	13	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Carbon, Total Organic	6.11	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Carbon, Total Organic	4.84	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Carbon, Total Organic	7.7	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Carbon, Total Organic	6.2	mg/L	
HCC-07	HCC-07	2004-11-23	11:45	Carbon, Total Organic	12	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Carbon, Total Organic	6.2	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Carbon, Total Organic	5.53	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Carbon, Total Organic	4.74	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Carbon, Total Organic	6.35	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Carbon, Total Organic	4.95	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Carbon, Total Organic	5.78	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Carbon, Total Organic	5.31	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Carbon, Total Organic	5.26	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Carbon, Total Organic	5.93	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2011-10-20	12:05	Carbon, Total Organic	6.82	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Carbon, Total Organic	5.12	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Carbon, Total Organic	4.61	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Carbon, Total Organic	7.28	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Carbon, Total Organic	6.2	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Carbon, Total Organic	5.1	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Carbon, Total Organic	6.14	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Carbon, Total Organic	5.3	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Carbon, Total Organic	6	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Carbon, Total Organic	5.27	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Carbon, Total Organic	5.65	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Carbon, Total Organic	6.4	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Carbon, Total Organic	5.4	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Carbon, Total Organic	5.43	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Carbon, Total Organic	5.1	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Carbon, Total Organic	5.2	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Carbon, Total Organic	5.32	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Carbon, Total Organic	7.31	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Carbon, Total Organic	5.19	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Carbon, Total Organic	6.31	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Carbon, Total Organic	4.5	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Carbon, Total Organic	5	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Carbon, Total Organic	20.5	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Carbon, Total Organic	5	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Carbon, Total Organic	5.56	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Carbon, Total Organic	7.94	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Carbon, Total Organic	5.2	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Carbon, Total Organic	5.7	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Carbon, Total Organic	5.84	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Carbon, Total Organic	5.85	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Carbon, Total Organic	5.54	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Carbon, Total Organic	6.18	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Carbon, Total Organic	9.49	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Carbon, Total Organic	5.65	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Carbon, Total Organic	7.72	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Carbon, Total Organic	5.1	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Carbon, Total Organic	6.6	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Carbon, Total Organic	7.2	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Carbon, Total Organic	8.8	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Carbon, Total Organic	5	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Carbon, Total Organic	5.47	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Carbon, Total Organic	5.99	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Carbon, Total Organic	4.4	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Carbon, Total Organic	4.96	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Carbon, Total Organic	3.1	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Carbon, Total Organic	4.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2005-06-06	12:45	Carbon, Total Organic	7.7	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Carbon, Total Organic	6	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Carbon, Total Organic	9.7	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Carbon, Total Organic	5.2	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Carbon, Total Organic	6.37	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Carbon, Total Organic	7.4	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Carbon, Total Organic	7.6	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Carbon, Total Organic	5.26	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Carbon, Total Organic	7.9	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Carbon, Total Organic	5.9	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Carbon, Total Organic	8.5	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Carbon, Total Organic	4.8	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Carbon, Total Organic	5.45	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Carbon, Total Organic	5.53	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Carbon, Total Organic	5.9	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Carbon, Total Organic	6.3	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Carbon, Total Organic	5.8	mg/L	
HCC-07	WW_34	2011-12-12		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_34	2011-08-08		Carbon, Total Organic	6.2	mg/L	
HCC-07	WW_34	2011-11-14		Carbon, Total Organic	5.2	mg/L	
HCC-07	WW_34	2011-07-11		Carbon, Total Organic	8.4	mg/L	
HCC-07	WW_34	2011-04-11		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_34	2012-05-14		Carbon, Total Organic	4.4	mg/L	
HCC-07	WW_34	2011-01-10		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2012-04-09		Carbon, Total Organic	4.4	mg/L	
HCC-07	WW_34	2012-01-17		Carbon, Total Organic	3	mg/L	
HCC-07	WW_34	2011-09-12		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_34	2011-03-14		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_34	2011-05-09		Carbon, Total Organic	5.5	mg/L	
HCC-07	WW_34	2012-06-11		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_34	2012-07-16		Carbon, Total Organic	5.8	mg/L	
HCC-07	WW_34	2012-02-14		Carbon, Total Organic	3.3	mg/L	
HCC-07	WW_34	2011-10-10		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_34	2011-06-13		Carbon, Total Organic	6.1	mg/L	
HCC-07	WW_34	2012-03-12		Carbon, Total Organic	3.5	mg/L	
HCC-07	WW_34	2005-08-08		Carbon, Total Organic	4	mg/L	
HCC-07	WW_34	2005-06-13		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2004-07-12		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2005-02-14		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2005-01-10		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2004-08-09		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2005-04-11		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2005-09-12		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_34	2004-12-13		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2004-06-14		Carbon, Total Organic	11	mg/L	
HCC-07	WW_34	2005-05-09		Carbon, Total Organic	7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2005-03-14		Carbon, Total Organic	6	mg/L	
HCC-07	WW_34	2004-10-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2005-07-11		Carbon, Total Organic	13.6	mg/L	
HCC-07	WW_34	2004-11-08		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2004-09-13		Carbon, Total Organic	26	mg/L	
HCC-07	WW_34	2006-03-13		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2007-04-09		Carbon, Total Organic	3.7	mg/L	
HCC-07	WW_34	2006-08-14		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_34	2006-02-14		Carbon, Total Organic	4	mg/L	
HCC-07	WW_34	2006-11-13		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_34	2006-10-09		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_34	2005-11-14		Carbon, Total Organic	5.8	mg/L	
HCC-07	WW_34	2006-09-11		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2006-04-10		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_34	2006-05-08		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_34	2007-01-08		Carbon, Total Organic	3.8	mg/L	
HCC-07	WW_34	2006-12-11		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_34	2006-07-10		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_34	2005-10-10		Carbon, Total Organic	5.9	mg/L	
HCC-07	WW_34	2006-01-09		Carbon, Total Organic	3.4	mg/L	
HCC-07	WW_34	2006-06-12		Carbon, Total Organic	5	mg/L	
HCC-07	WW_34	2007-03-12		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2007-10-08		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_34	2008-04-14		Carbon, Total Organic	3.8	mg/L	
HCC-07	WW_34	2008-10-13		Carbon, Total Organic	4	mg/L	
HCC-07	WW_34	2009-08-10		Carbon, Total Organic	5.8	mg/L	
HCC-07	WW_34	2009-07-13		Carbon, Total Organic	5	mg/L	
HCC-07	WW_34	2009-10-12		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2009-11-09		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_34	2008-09-08		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2009-09-14		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_34	2007-09-10		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_34	2009-01-12		Carbon, Total Organic	3.5	mg/L	
HCC-07	WW_34	2009-04-13		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2009-02-09		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_34	2008-01-14		Carbon, Total Organic	2.7	mg/L	
HCC-07	WW_34	2009-03-09		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2008-11-10		Carbon, Total Organic	4.4	mg/L	
HCC-07	WW_34	2009-06-08		Carbon, Total Organic	6.4	mg/L	
HCC-07	WW_34	2007-11-13		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2008-12-08		Carbon, Total Organic	3.2	mg/L	
HCC-07	WW_34	2007-12-10		Carbon, Total Organic	2.6	mg/L	
HCC-07	WW_34	2008-03-10		Carbon, Total Organic	2.6	mg/L	
HCC-07	WW_34	2009-05-11		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_34	2010-06-14		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_34	2010-05-10		Carbon, Total Organic	5.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2007-06-11		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_34	2008-05-12		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_34	2008-08-11		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_34	2010-08-09		Carbon, Total Organic	5.2	mg/L	
HCC-07	WW_34	2008-06-09		Carbon, Total Organic	6.4	mg/L	
HCC-07	WW_34	2010-07-12		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_34	2008-07-14		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_34	2007-05-14		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2010-02-08		Carbon, Total Organic	2.9	mg/L	
HCC-07	WW_34	2010-03-08		Carbon, Total Organic	2.9	mg/L	
HCC-07	WW_34	2007-08-13		Carbon, Total Organic	5.4	mg/L	
HCC-07	WW_34	2010-01-11		Carbon, Total Organic	4	mg/L	
HCC-07	WW_34	2009-12-14		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_34	2007-07-09		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_34	2010-04-12		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_34	2003-03-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2003-06-09		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2001-08-13		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2003-11-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2001-06-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2002-05-13		Carbon, Total Organic	10	mg/L	
HCC-07	WW_34	2004-03-08		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-07-09		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2001-01-16		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2004-01-12		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2004-02-09		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2002-03-11		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2002-02-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-02-13		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-10-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2003-05-12		Carbon, Total Organic	11	mg/L	
HCC-07	WW_34	2002-04-08		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2003-12-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2003-04-14		Carbon, Total Organic	12	mg/L	
HCC-07	WW_34	2004-04-12		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-11-13		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2003-07-14		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2001-12-10		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2002-11-12		Carbon, Total Organic	12	mg/L	
HCC-07	WW_34	2002-08-12		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2003-09-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2001-09-10		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-04-09		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2002-10-14		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2003-08-11		Carbon, Total Organic	7	mg/L	
HCC-07	WW_34	2002-09-09		Carbon, Total Organic	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-10-13		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2001-03-12		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2002-01-14		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2002-12-09		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2003-01-13		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2002-06-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2004-05-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_34	2002-07-08		Carbon, Total Organic	8	mg/L	
HCC-07	WW_34	2001-05-14		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2011-08-08		Carbon, Total Organic	5.9	mg/L	
HCC-07	WW_96	2014-03-10		Carbon, Total Organic	3.1	mg/L	
HCC-07	WW_96	2010-11-08		Carbon, Total Organic	9.3	mg/L	
HCC-07	WW_96	2014-05-12		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2012-03-12		Carbon, Total Organic	3.8	mg/L	
HCC-07	WW_96	2014-04-14		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2014-10-13		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2011-12-12		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2014-09-15		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2011-11-14		Carbon, Total Organic	5.7	mg/L	
HCC-07	WW_96	2014-12-08		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_96	2014-11-10		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2010-10-11		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2012-02-14		Carbon, Total Organic	3.1	mg/L	
HCC-07	WW_96	2014-07-14		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_96	2011-09-12		Carbon, Total Organic	6.1	mg/L	
HCC-07	WW_96	2014-06-09		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_96	2012-01-17		Carbon, Total Organic	2.7	mg/L	
HCC-07	WW_96	2011-10-10		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_96	2014-08-11		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_96	2013-04-08		Carbon, Total Organic	3.8	mg/L	
HCC-07	WW_96	2012-08-13		Carbon, Total Organic	5.6	mg/L	
HCC-07	WW_96	2012-09-10		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2013-03-11		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2011-03-14		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_96	2012-07-16		Carbon, Total Organic	5.8	mg/L	
HCC-07	WW_96	2013-06-10		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2013-05-13		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_96	2011-05-09		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_96	2012-12-10		Carbon, Total Organic	3.8	mg/L	
HCC-07	WW_96	2013-01-14		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_96	2011-04-11		Carbon, Total Organic	5	mg/L	
HCC-07	WW_96	2012-11-13		Carbon, Total Organic	5.7	mg/L	
HCC-07	WW_96	2013-02-11		Carbon, Total Organic	3.3	mg/L	
HCC-07	WW_96	2012-10-08		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2013-12-09		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2011-07-11		Carbon, Total Organic	5.8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2011-01-10		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2013-11-12		Carbon, Total Organic	5.2	mg/L	
HCC-07	WW_96	2012-05-14		Carbon, Total Organic	4.4	mg/L	
HCC-07	WW_96	2012-04-09		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2010-12-13		Carbon, Total Organic	3.6	mg/L	
HCC-07	WW_96	2014-01-13		Carbon, Total Organic	3.2	mg/L	
HCC-07	WW_96	2013-08-12		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_96	2013-07-15		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2013-10-14		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2012-06-11		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2011-06-13		Carbon, Total Organic	6.3	mg/L	
HCC-07	WW_96	2013-09-16		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2005-03-14		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2004-11-08		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2005-05-09		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2005-09-12		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_96	2004-10-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2005-04-11		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2005-08-08		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2004-07-12		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2005-07-11		Carbon, Total Organic	5.7	mg/L	
HCC-07	WW_96	2005-02-14		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2004-06-14		Carbon, Total Organic	12	mg/L	
HCC-07	WW_96	2005-01-10		Carbon, Total Organic	6	mg/L	
HCC-07	WW_96	2004-09-13		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2004-12-13		Carbon, Total Organic	6	mg/L	
HCC-07	WW_96	2004-08-09		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2005-06-13		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2006-09-11		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2010-04-12		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2006-10-09		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2010-09-13		Carbon, Total Organic	5.6	mg/L	
HCC-07	WW_96	2008-10-13		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_96	2008-06-09		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_96	2007-07-09		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2010-03-08		Carbon, Total Organic	3	mg/L	
HCC-07	WW_96	2008-04-14		Carbon, Total Organic	4	mg/L	
HCC-07	WW_96	2008-05-12		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2008-08-11		Carbon, Total Organic	3.3	mg/L	
HCC-07	WW_96	2010-06-14		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2010-07-12		Carbon, Total Organic	9.6	mg/L	
HCC-07	WW_96	2007-05-14		Carbon, Total Organic	4.4	mg/L	
HCC-07	WW_96	2010-05-10		Carbon, Total Organic	5.4	mg/L	
HCC-07	WW_96	2006-08-14		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2005-10-10		Carbon, Total Organic	5.5	mg/L	
HCC-07	WW_96	2010-08-09		Carbon, Total Organic	5.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-09-08		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_96	2007-03-12		Carbon, Total Organic	4	mg/L	
HCC-07	WW_96	2007-06-11		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2008-07-14		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2005-11-14		Carbon, Total Organic	6.7	mg/L	
HCC-07	WW_96	2009-07-13		Carbon, Total Organic	5.1	mg/L	
HCC-07	WW_96	2006-11-13		Carbon, Total Organic	5.6	mg/L	
HCC-07	WW_96	2009-08-10		Carbon, Total Organic	5.5	mg/L	
HCC-07	WW_96	2009-02-09		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_96	2006-03-13		Carbon, Total Organic	4	mg/L	
HCC-07	WW_96	2007-10-08		Carbon, Total Organic	4.5	mg/L	
HCC-07	WW_96	2008-02-11		Carbon, Total Organic	2	mg/L	
HCC-07	WW_96	2007-12-10		Carbon, Total Organic	2.7	mg/L	
HCC-07	WW_96	2009-05-11		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2006-05-08		Carbon, Total Organic	4.6	mg/L	
HCC-07	WW_96	2009-04-13		Carbon, Total Organic	4	mg/L	
HCC-07	WW_96	2009-03-09		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_96	2009-06-08		Carbon, Total Organic	5.7	mg/L	
HCC-07	WW_96	2006-12-11		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_96	2007-11-13		Carbon, Total Organic	4.2	mg/L	
HCC-07	WW_96	2006-04-10		Carbon, Total Organic	4.9	mg/L	
HCC-07	WW_96	2008-01-14		Carbon, Total Organic	2.7	mg/L	
HCC-07	WW_96	2009-12-14		Carbon, Total Organic	4.1	mg/L	
HCC-07	WW_96	2007-08-13		Carbon, Total Organic	5.4	mg/L	
HCC-07	WW_96	2008-03-10		Carbon, Total Organic	2.6	mg/L	
HCC-07	WW_96	2007-04-09		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_96	2009-11-09		Carbon, Total Organic	5	mg/L	
HCC-07	WW_96	2010-02-08		Carbon, Total Organic	3	mg/L	
HCC-07	WW_96	2008-11-10		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2006-01-09		Carbon, Total Organic	4	mg/L	
HCC-07	WW_96	2006-07-10		Carbon, Total Organic	4.7	mg/L	
HCC-07	WW_96	2009-09-14		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2007-09-10		Carbon, Total Organic	5.3	mg/L	
HCC-07	WW_96	2006-06-12		Carbon, Total Organic	4.8	mg/L	
HCC-07	WW_96	2009-01-12		Carbon, Total Organic	3.3	mg/L	
HCC-07	WW_96	2006-02-14		Carbon, Total Organic	3.6	mg/L	
HCC-07	WW_96	2008-12-08		Carbon, Total Organic	3	mg/L	
HCC-07	WW_96	2007-01-08		Carbon, Total Organic	3.9	mg/L	
HCC-07	WW_96	2009-10-12		Carbon, Total Organic	4.3	mg/L	
HCC-07	WW_96	2001-04-09		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2002-09-09		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2003-04-14		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2003-05-12		Carbon, Total Organic	11	mg/L	
HCC-07	WW_96	2001-01-16		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2003-08-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2003-01-13		Carbon, Total Organic	9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2003-06-09		Carbon, Total Organic	14	mg/L	
HCC-07	WW_96	2001-03-12		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2001-02-13		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2002-10-14		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2002-12-09		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2002-11-12		Carbon, Total Organic	12	mg/L	
HCC-07	WW_96	2003-07-14		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2001-08-13		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2004-03-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2002-01-14		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2004-01-12		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2002-03-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2002-02-11		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2004-05-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2001-11-13		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2001-10-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2001-12-10		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2004-04-12		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2001-09-10		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2002-07-08		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2002-06-10		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2003-10-13		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2002-08-12		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2003-09-08		Carbon, Total Organic	7	mg/L	
HCC-07	WW_96	2001-05-14		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2003-12-08		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2002-04-08		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2001-07-09		Carbon, Total Organic	8	mg/L	
HCC-07	WW_96	2002-05-13		Carbon, Total Organic	9	mg/L	
HCC-07	WW_96	2001-06-11		Carbon, Total Organic	10	mg/L	
HCC-07	WW_96	2003-11-10		Carbon, Total Organic	9	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Carbon, Total Organic	9.6	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Carbon, Total Organic	6.07	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Carbon, Total Organic	4.4	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Carbon, Total Organic	4.8	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Carbon, Total Organic	4.4	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Carbon, Total Organic	6.03	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Carbon, Total Organic	10.4	mg/L	
HCCB-05	WW_106	2012-01-17		Carbon, Total Organic	2.7	mg/L	
HCCB-05	WW_106	2010-12-13		Carbon, Total Organic	3.6	mg/L	
HCCB-05	WW_106	2011-11-14		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2011-12-12		Carbon, Total Organic	4.5	mg/L	
HCCB-05	WW_106	2010-10-11		Carbon, Total Organic	5.8	mg/L	
HCCB-05	WW_106	2010-11-08		Carbon, Total Organic	5.7	mg/L	
HCCB-05	WW_106	2012-03-12		Carbon, Total Organic	4.6	mg/L	
HCCB-05	WW_106	2012-02-14		Carbon, Total Organic	3.5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-06-13		Carbon, Total Organic	7	mg/L	
HCCB-05	WW_106	2011-07-11		Carbon, Total Organic	7	mg/L	
HCCB-05	WW_106	2012-05-14		Carbon, Total Organic	5	mg/L	
HCCB-05	WW_106	2011-02-14		Carbon, Total Organic	2.3	mg/L	
HCCB-05	WW_106	2011-05-09		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2011-04-11		Carbon, Total Organic	5.3	mg/L	
HCCB-05	WW_106	2011-03-14		Carbon, Total Organic	3.8	mg/L	
HCCB-05	WW_106	2012-07-16		Carbon, Total Organic	5.5	mg/L	
HCCB-05	WW_106	2011-08-08		Carbon, Total Organic	6.9	mg/L	
HCCB-05	WW_106	2011-01-10		Carbon, Total Organic	4.8	mg/L	
HCCB-05	WW_106	2004-10-11		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2001-04-09		Carbon, Total Organic	13	mg/L	
HCCB-05	WW_106	2002-02-11		Carbon, Total Organic	9	mg/L	
HCCB-05	WW_106	2001-09-10		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2004-11-08		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2001-03-12		Carbon, Total Organic	22	mg/L	
HCCB-05	WW_106	2004-04-12		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2004-05-10		Carbon, Total Organic	12	mg/L	
HCCB-05	WW_106	2003-05-12		Carbon, Total Organic	12	mg/L	
HCCB-05	WW_106	2004-03-08		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2004-06-14		Carbon, Total Organic	9	mg/L	
HCCB-05	WW_106	2003-07-14		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2002-04-08		Carbon, Total Organic	9	mg/L	
HCCB-05	WW_106	2002-08-12		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2005-08-08		Carbon, Total Organic	4.7	mg/L	
HCCB-05	WW_106	2002-05-13		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2005-02-14		Carbon, Total Organic	8	mg/L	
HCCB-05	WW_106	2002-03-11		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2004-01-12		Carbon, Total Organic	7	mg/L	
HCCB-05	WW_106	2003-10-13		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2004-02-09		Carbon, Total Organic	9	mg/L	
HCCB-05	WW_106	2002-06-10		Carbon, Total Organic	11	mg/L	
HCCB-05	WW_106	2001-06-11		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCB-05	WW_106	2001-05-14		Carbon, Total Organic	10	mg/L	
HCCB-05	WW_106	2006-03-13		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2006-10-09		Carbon, Total Organic	5	mg/L	
HCCB-05	WW_106	2008-11-10		Carbon, Total Organic	4.6	mg/L	
HCCB-05	WW_106	2009-08-10		Carbon, Total Organic	5.9	mg/L	
HCCB-05	WW_106	2008-05-12		Carbon, Total Organic	3.9	mg/L	
HCCB-05	WW_106	2007-12-10		Carbon, Total Organic	2.2	mg/L	
HCCB-05	WW_106	2008-10-13		Carbon, Total Organic	4.2	mg/L	
HCCB-05	WW_106	2007-01-08		Carbon, Total Organic	4.1	mg/L	
HCCB-05	WW_106	2009-05-11		Carbon, Total Organic	5	mg/L	
HCCB-05	WW_106	2010-03-08		Carbon, Total Organic	2.7	mg/L	
HCCB-05	WW_106	2006-12-11		Carbon, Total Organic	3.4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-12-14		Carbon, Total Organic	3.7	mg/L	
HCCB-05	WW_106	2010-08-09		Carbon, Total Organic	6.2	mg/L	
HCCB-05	WW_106	2009-11-09		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2008-03-10		Carbon, Total Organic	2.6	mg/L	
HCCB-05	WW_106	2008-09-08		Carbon, Total Organic	3.7	mg/L	
HCCB-05	WW_106	2010-02-08		Carbon, Total Organic	3.4	mg/L	
HCCB-05	WW_106	2009-06-08		Carbon, Total Organic	5.2	mg/L	
HCCB-05	WW_106	2008-04-14		Carbon, Total Organic	3.8	mg/L	
HCCB-05	WW_106	2006-01-09		Carbon, Total Organic	5.1	mg/L	
HCCB-05	WW_106	2005-11-14		Carbon, Total Organic	6	mg/L	
HCCB-05	WW_106	2006-09-11		Carbon, Total Organic	4	mg/L	
HCCB-05	WW_106	2008-01-14		Carbon, Total Organic	2.4	mg/L	
HCCB-05	WW_106	2010-05-10		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2009-03-09		Carbon, Total Organic	4.1	mg/L	
HCCB-05	WW_106	2009-09-14		Carbon, Total Organic	4.7	mg/L	
HCCB-05	WW_106	2009-01-12		Carbon, Total Organic	3.5	mg/L	
HCCB-05	WW_106	2007-03-12		Carbon, Total Organic	4	mg/L	
HCCB-05	WW_106	2009-02-09		Carbon, Total Organic	3.9	mg/L	
HCCB-05	WW_106	2008-07-14		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2010-04-12		Carbon, Total Organic	4.5	mg/L	
HCCB-05	WW_106	2010-09-13		Carbon, Total Organic	5.4	mg/L	
HCCB-05	WW_106	2007-08-13		Carbon, Total Organic	5.3	mg/L	
HCCB-05	WW_106	2009-10-12		Carbon, Total Organic	4.8	mg/L	
HCCB-05	WW_106	2009-04-13		Carbon, Total Organic	6	mg/L	
HCCB-05	WW_106	2008-12-08		Carbon, Total Organic	2.8	mg/L	
HCCB-05	WW_106	2008-06-09		Carbon, Total Organic	6.7	mg/L	
HCCB-05	WW_106	2008-08-11		Carbon, Total Organic	3.6	mg/L	
HCCB-05	WW_106	2010-07-12		Carbon, Total Organic	6.2	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Carbon, Total Organic	7.59	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Carbon, Total Organic	5.61	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Carbon, Total Organic	7.86	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Carbon, Total Organic	7.91	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Carbon, Total Organic	8.19	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Carbon, Total Organic	7.48	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Carbon, Total Organic	10.8	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Carbon, Total Organic	7.64	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Carbon, Total Organic	6.05	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Carbon, Total Organic	5.73	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Carbon, Total Organic	8.54	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Carbon, Total Organic	8.66	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Carbon, Total Organic	6.22	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Carbon, Total Organic	6.76	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Carbon, Total Organic	7.37	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Carbon, Total Organic	7.89	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Carbon, Total Organic	7.99	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Carbon, Total Organic	7.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2012-12-17	9:44	Carbon, Total Organic	6.4	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Carbon, Total Organic	5.52	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Carbon, Total Organic	5.63	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Carbon, Total Organic	7.26	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Carbon, Total Organic	9.04	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Carbon, Total Organic	10.7	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Carbon, Total Organic	7.1	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Carbon, Total Organic	11.9	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Carbon, Total Organic	6.87	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Carbon, Total Organic	5.86	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Carbon, Total Organic	6.56	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Carbon, Total Organic	6.73	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Carbon, Total Organic	7.64	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Carbon, Total Organic	7.77	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Carbon, Total Organic	8.54	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Carbon, Total Organic	6.62	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Carbon, Total Organic	5.57	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Carbon, Total Organic	7.23	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Carbon, Total Organic	6.57	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Carbon, Total Organic	7.06	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Carbon, Total Organic	7.61	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Carbon, Total Organic	5.04	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Carbon, Total Organic	5.14	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Carbon, Total Organic	7.57	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Carbon, Total Organic	6.79	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Carbon, Total Organic	8.54	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Carbon, Total Organic	8.86	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Carbon, Total Organic	7.45	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Carbon, Total Organic	6.2	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Carbon, Total Organic	7.23	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Carbon, Total Organic	7.43	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Carbon, Total Organic	6.62	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Carbon, Total Organic	6.1	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Carbon, Total Organic	8.45	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Carbon, Total Organic	7.9	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Carbon, Total Organic	7.73	mg/L	
HCCC-02	WW_31	2011-04-11		Carbon, Total Organic	6.4	mg/L	
HCCC-02	WW_31	2011-08-08		Carbon, Total Organic	8.3	mg/L	
HCCC-02	WW_31	2011-11-14		Carbon, Total Organic	6.2	mg/L	
HCCC-02	WW_31	2011-10-10		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2011-06-13		Carbon, Total Organic	7.1	mg/L	
HCCC-02	WW_31	2011-07-11		Carbon, Total Organic	9.7	mg/L	
HCCC-02	WW_31	2010-11-08		Carbon, Total Organic	7.6	mg/L	
HCCC-02	WW_31	2010-10-11		Carbon, Total Organic	8.6	mg/L	
HCCC-02	WW_31	2011-05-09		Carbon, Total Organic	6	mg/L	
HCCC-02	WW_31	2011-03-14		Carbon, Total Organic	4.5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2012-04-09		Carbon, Total Organic	5.1	mg/L	
HCCC-02	WW_31	2011-12-12		Carbon, Total Organic	4.4	mg/L	
HCCC-02	WW_31	2012-03-12		Carbon, Total Organic	4.7	mg/L	
HCCC-02	WW_31	2012-07-16		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2012-05-14		Carbon, Total Organic	5.8	mg/L	
HCCC-02	WW_31	2005-06-13		Carbon, Total Organic	16	mg/L	
HCCC-02	WW_31	2005-04-11		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2005-08-08		Carbon, Total Organic	6.9	mg/L	
HCCC-02	WW_31	2005-05-09		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2005-07-11		Carbon, Total Organic	7.3	mg/L	
HCCC-02	WW_31	2005-09-12		Carbon, Total Organic	6.9	mg/L	
HCCC-02	WW_31	2004-07-12		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2004-09-13		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2004-06-14		Carbon, Total Organic	13	mg/L	
HCCC-02	WW_31	2004-11-08		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2004-08-09		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCC-02	WW_31	2004-10-11		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2004-12-13		Carbon, Total Organic	8	mg/L	
HCCC-02	WW_31	2005-02-14		Carbon, Total Organic	8	mg/L	
HCCC-02	WW_31	2009-10-12		Carbon, Total Organic	5.7	mg/L	
HCCC-02	WW_31	2007-04-09		Carbon, Total Organic	4.2	mg/L	
HCCC-02	WW_31	2007-11-13		Carbon, Total Organic	7.5	mg/L	
HCCC-02	WW_31	2009-11-09		Carbon, Total Organic	6.3	mg/L	
HCCC-02	WW_31	2010-09-13		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2006-12-11		Carbon, Total Organic	4.8	mg/L	
HCCC-02	WW_31	2010-05-10		Carbon, Total Organic	6.7	mg/L	
HCCC-02	WW_31	2010-07-12		Carbon, Total Organic	8.2	mg/L	
HCCC-02	WW_31	2007-08-13		Carbon, Total Organic	7.6	mg/L	
HCCC-02	WW_31	2010-04-12		Carbon, Total Organic	5.5	mg/L	
HCCC-02	WW_31	2010-06-14		Carbon, Total Organic	5.8	mg/L	
HCCC-02	WW_31	2007-03-12		Carbon, Total Organic	4.9	mg/L	
HCCC-02	WW_31	2007-06-11		Carbon, Total Organic	5.5	mg/L	
HCCC-02	WW_31	2007-07-09		Carbon, Total Organic	6.8	mg/L	
HCCC-02	WW_31	2005-11-14		Carbon, Total Organic	10.7	mg/L	
HCCC-02	WW_31	2010-08-09		Carbon, Total Organic	8.1	mg/L	
HCCC-02	WW_31	2007-10-08		Carbon, Total Organic	6.8	mg/L	
HCCC-02	WW_31	2006-01-09		Carbon, Total Organic	5	mg/L	
HCCC-02	WW_31	2007-05-14		Carbon, Total Organic	5.3	mg/L	
HCCC-02	WW_31	2009-12-14		Carbon, Total Organic	5	mg/L	
HCCC-02	WW_31	2007-01-08		Carbon, Total Organic	11.6	mg/L	
HCCC-02	WW_31	2007-09-10		Carbon, Total Organic	7.3	mg/L	
HCCC-02	WW_31	2010-03-08		Carbon, Total Organic	3.4	mg/L	
HCCC-02	WW_31	2005-10-10		Carbon, Total Organic	8.6	mg/L	
HCCC-02	WW_31	2008-08-11		Carbon, Total Organic	5.2	mg/L	
HCCC-02	WW_31	2008-11-10		Carbon, Total Organic	6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2006-07-10		Carbon, Total Organic	7.3	mg/L	
HCCC-02	WW_31	2008-05-12		Carbon, Total Organic	5.6	mg/L	
HCCC-02	WW_31	2008-03-10		Carbon, Total Organic	2.7	mg/L	
HCCC-02	WW_31	2009-07-13		Carbon, Total Organic	6.3	mg/L	
HCCC-02	WW_31	2006-09-11		Carbon, Total Organic	5.6	mg/L	
HCCC-02	WW_31	2006-04-10		Carbon, Total Organic	5.1	mg/L	
HCCC-02	WW_31	2006-06-12		Carbon, Total Organic	7	mg/L	
HCCC-02	WW_31	2008-04-14		Carbon, Total Organic	4.4	mg/L	
HCCC-02	WW_31	2008-07-14		Carbon, Total Organic	4	mg/L	
HCCC-02	WW_31	2009-05-11		Carbon, Total Organic	5.6	mg/L	
HCCC-02	WW_31	2009-03-09		Carbon, Total Organic	4.9	mg/L	
HCCC-02	WW_31	2009-06-08		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2006-10-09		Carbon, Total Organic	6.6	mg/L	
HCCC-02	WW_31	2008-06-09		Carbon, Total Organic	8.9	mg/L	
HCCC-02	WW_31	2009-04-13		Carbon, Total Organic	5	mg/L	
HCCC-02	WW_31	2009-08-10		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2009-09-14		Carbon, Total Organic	6.9	mg/L	
HCCC-02	WW_31	2006-05-08		Carbon, Total Organic	6.2	mg/L	
HCCC-02	WW_31	2008-10-13		Carbon, Total Organic	5.8	mg/L	
HCCC-02	WW_31	2008-01-14		Carbon, Total Organic	3.2	mg/L	
HCCC-02	WW_31	2006-03-13		Carbon, Total Organic	7.2	mg/L	
HCCC-02	WW_31	2006-11-13		Carbon, Total Organic	6.3	mg/L	
HCCC-02	WW_31	2006-08-14		Carbon, Total Organic	6.8	mg/L	
HCCC-02	WW_31	2008-09-08		Carbon, Total Organic	5.5	mg/L	
HCCC-02	WW_31	2001-03-12		Carbon, Total Organic	8	mg/L	
HCCC-02	WW_31	2002-06-10		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2001-06-11		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2001-12-10		Carbon, Total Organic	12	mg/L	
HCCC-02	WW_31	2001-11-13		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2001-02-13		Carbon, Total Organic	8	mg/L	
HCCC-02	WW_31	2001-07-09		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2003-04-14		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2002-04-08		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2002-05-13		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2002-10-14		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2001-04-09		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2001-05-14		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2001-09-10		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2002-08-12		Carbon, Total Organic	12	mg/L	
HCCC-02	WW_31	2002-09-09		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2002-02-11		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2002-07-08		Carbon, Total Organic	16	mg/L	
HCCC-02	WW_31	2001-10-08		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2002-03-11		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2001-08-13		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2002-11-12		Carbon, Total Organic	16	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2003-11-10		Carbon, Total Organic	10	mg/L	
HCCC-02	WW_31	2003-06-09		Carbon, Total Organic	12	mg/L	
HCCC-02	WW_31	2004-04-12		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2003-07-14		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2004-03-08		Carbon, Total Organic	9	mg/L	
HCCC-02	WW_31	2004-05-10		Carbon, Total Organic	11	mg/L	
HCCC-02	WW_31	2003-10-13		Carbon, Total Organic	14	mg/L	
HCCC-02	WW_31	2003-09-08		Carbon, Total Organic	12	mg/L	
HCCC-02	WW_31	2003-12-08		Carbon, Total Organic	8	mg/L	
HCCC-02	WW_31	2003-05-12		Carbon, Total Organic	12	mg/L	
HCCC-02	WW_31	2003-08-11		Carbon, Total Organic	9	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Carbon, Total Organic	6.88	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Carbon, Total Organic	5.5	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Carbon, Total Organic	7	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Carbon, Total Organic	5.08	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Carbon, Total Organic	4.5	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Carbon, Total Organic	7.61	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Carbon, Total Organic	5.91	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Carbon, Total Organic	5.93	mg/L	
HCCC-04	WW_103	2011-05-09		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_103	2011-12-12		Carbon, Total Organic	3.7	mg/L	
HCCC-04	WW_103	2011-04-11		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2011-10-10		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_103	2012-07-16		Carbon, Total Organic	5.9	mg/L	
HCCC-04	WW_103	2011-11-14		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2012-03-12		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_103	2011-07-11		Carbon, Total Organic	6.9	mg/L	
HCCC-04	WW_103	2012-05-14		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2012-04-09		Carbon, Total Organic	3.8	mg/L	
HCCC-04	WW_103	2011-08-08		Carbon, Total Organic	5.3	mg/L	
HCCC-04	WW_103	2012-06-11		Carbon, Total Organic	5	mg/L	
HCCC-04	WW_103	2011-06-13		Carbon, Total Organic	5.3	mg/L	
HCCC-04	WW_103	2012-01-17		Carbon, Total Organic	2.7	mg/L	
HCCC-04	WW_103	2011-09-12		Carbon, Total Organic	6.1	mg/L	
HCCC-04	WW_103	2012-02-14		Carbon, Total Organic	2.9	mg/L	
HCCC-04	WW_103	2010-10-11		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_103	2011-02-14		Carbon, Total Organic	2.5	mg/L	
HCCC-04	WW_103	2010-11-08		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2011-03-14		Carbon, Total Organic	3.7	mg/L	
HCCC-04	WW_103	2001-07-09		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2003-12-08		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_103	2002-04-08		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2005-06-13		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2002-06-10		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2001-06-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2004-08-09		Carbon, Total Organic	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-11-10		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2002-05-13		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2005-01-10		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2001-10-08		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_103	2002-01-14		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2005-07-11		Carbon, Total Organic	6.6	mg/L	
HCCC-04	WW_103	2004-05-10		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2001-11-13		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2004-04-12		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2001-12-10		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_103	2004-07-12		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2005-02-14		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2001-08-13		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2002-03-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2004-06-14		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2004-03-08		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2001-09-10		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2002-02-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2005-09-12		Carbon, Total Organic	5.4	mg/L	
HCCC-04	WW_103	2003-07-14		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2002-11-12		Carbon, Total Organic	14	mg/L	
HCCC-04	WW_103	2005-05-09		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2002-10-14		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2001-04-09		Carbon, Total Organic	11	mg/L	
HCCC-04	WW_103	2004-10-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2003-04-14		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2003-05-12		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2005-04-11		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2003-06-09		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2001-03-12		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2004-11-08		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2002-08-12		Carbon, Total Organic	11	mg/L	
HCCC-04	WW_103	2002-09-09		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2003-09-08		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_103	2004-09-13		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_103	2003-08-11		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_103	2002-07-08		Carbon, Total Organic	11	mg/L	
HCCC-04	WW_103	2001-05-14		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_103	2004-12-13		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2008-03-10		Carbon, Total Organic	2.2	mg/L	
HCCC-04	WW_103	2008-05-12		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_103	2009-07-13		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_103	2006-07-10		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_103	2008-10-13		Carbon, Total Organic	3.8	mg/L	
HCCC-04	WW_103	2006-03-13		Carbon, Total Organic	3.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2009-04-13		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_103	2006-05-08		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_103	2008-09-08		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_103	2006-08-14		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_103	2006-09-11		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_103	2006-06-12		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_103	2009-05-11		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2009-06-08		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2006-10-09		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_103	2008-07-14		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_103	2009-02-09		Carbon, Total Organic	3.7	mg/L	
HCCC-04	WW_103	2008-04-14		Carbon, Total Organic	3.3	mg/L	
HCCC-04	WW_103	2006-04-10		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_103	2009-03-09		Carbon, Total Organic	3.5	mg/L	
HCCC-04	WW_103	2008-11-10		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_103	2008-06-09		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_103	2008-08-11		Carbon, Total Organic	3.4	mg/L	
HCCC-04	WW_103	2010-04-12		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_103	2006-02-14		Carbon, Total Organic	3	mg/L	
HCCC-04	WW_103	2007-03-12		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_103	2007-06-11		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_103	2007-12-10		Carbon, Total Organic	1.9	mg/L	
HCCC-04	WW_103	2010-07-12		Carbon, Total Organic	5.7	mg/L	
HCCC-04	WW_103	2009-10-12		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_103	2007-08-13		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_103	2005-11-14		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_103	2007-07-09		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_103	2009-12-14		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_103	2010-05-10		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2006-12-11		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_103	2009-11-09		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2010-03-08		Carbon, Total Organic	2.6	mg/L	
HCCC-04	WW_103	2006-01-09		Carbon, Total Organic	3	mg/L	
HCCC-04	WW_103	2010-06-14		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2007-10-08		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_103	2007-11-13		Carbon, Total Organic	4.4	mg/L	
HCCC-04	WW_103	2008-01-14		Carbon, Total Organic	2.2	mg/L	
HCCC-04	WW_103	2010-09-13		Carbon, Total Organic	5.7	mg/L	
HCCC-04	WW_103	2007-04-09		Carbon, Total Organic	3.2	mg/L	
HCCC-04	WW_103	2009-08-10		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_103	2006-11-13		Carbon, Total Organic	5	mg/L	
HCCC-04	WW_103	2007-01-08		Carbon, Total Organic	3.9	mg/L	
HCCC-04	WW_103	2007-09-10		Carbon, Total Organic	5.3	mg/L	
HCCC-04	WW_103	2005-10-10		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_103	2009-09-14		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_103	2007-05-14		Carbon, Total Organic	4.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2010-02-08		Carbon, Total Organic	2.6	mg/L	
HCCC-04	WW_103	2010-08-09		Carbon, Total Organic	5.7	mg/L	
HCCC-04	WW_104	2012-02-14		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_104	2012-01-17		Carbon, Total Organic	3.4	mg/L	
HCCC-04	WW_104	2012-06-11		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_104	2011-06-13		Carbon, Total Organic	5.9	mg/L	
HCCC-04	WW_104	2011-01-10		Carbon, Total Organic	4.4	mg/L	
HCCC-04	WW_104	2012-05-14		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_104	2012-03-12		Carbon, Total Organic	3.9	mg/L	
HCCC-04	WW_104	2012-04-09		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_104	2010-12-13		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_104	2011-08-08		Carbon, Total Organic	7.3	mg/L	
HCCC-04	WW_104	2010-11-08		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_104	2011-09-12		Carbon, Total Organic	4.6	mg/L	
HCCC-04	WW_104	2011-02-14		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2011-07-11		Carbon, Total Organic	34.3	mg/L	
HCCC-04	WW_104	2012-07-16		Carbon, Total Organic	6.3	mg/L	
HCCC-04	WW_104	2011-12-12		Carbon, Total Organic	4.1	mg/L	
HCCC-04	WW_104	2010-10-11		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_104	2011-05-09		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_104	2011-11-14		Carbon, Total Organic	5.1	mg/L	
HCCC-04	WW_104	2011-04-11		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_104	2011-10-10		Carbon, Total Organic	5	mg/L	
HCCC-04	WW_104	2011-03-14		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2005-07-11		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_104	2002-01-14		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2002-08-12		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2003-05-12		Carbon, Total Organic	11	mg/L	
HCCC-04	WW_104	2001-11-13		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2005-04-11		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2005-06-13		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2003-04-14		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_104	2001-12-10		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2004-04-12		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2005-02-14		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2004-01-12		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2002-10-14		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2002-03-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2002-09-09		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2005-05-09		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2002-04-08		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2003-08-11		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2002-05-13		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_104	2002-11-12		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_104	2002-02-11		Carbon, Total Organic	9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2004-03-08		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2004-02-09		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2004-09-13		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2005-01-10		Carbon, Total Organic	6	mg/L	
HCCC-04	WW_104	2001-06-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2001-10-08		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2005-09-12		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2001-08-13		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2001-04-09		Carbon, Total Organic	12	mg/L	
HCCC-04	WW_104	2001-09-10		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2004-07-12		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_104	2004-10-11		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2004-06-14		Carbon, Total Organic	12	mg/L	
HCCC-04	WW_104	2005-08-08		Carbon, Total Organic	3.7	mg/L	
HCCC-04	WW_104	2001-05-14		Carbon, Total Organic	10	mg/L	
HCCC-04	WW_104	2004-08-09		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2004-05-10		Carbon, Total Organic	12	mg/L	
HCCC-04	WW_104	2001-07-09		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2001-03-12		Carbon, Total Organic	8	mg/L	
HCCC-04	WW_104	2004-12-13		Carbon, Total Organic	7	mg/L	
HCCC-04	WW_104	2004-11-08		Carbon, Total Organic	9	mg/L	
HCCC-04	WW_104	2010-04-12		Carbon, Total Organic	4.5	mg/L	
HCCC-04	WW_104	2006-09-11		Carbon, Total Organic	3.8	mg/L	
HCCC-04	WW_104	2005-12-12		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_104	2010-05-10		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_104	2009-03-09		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_104	2007-08-13		Carbon, Total Organic	5.6	mg/L	
HCCC-04	WW_104	2009-02-09		Carbon, Total Organic	4.1	mg/L	
HCCC-04	WW_104	2008-07-14		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_104	2010-08-09		Carbon, Total Organic	5.7	mg/L	
HCCC-04	WW_104	2007-05-14		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2008-09-08		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2006-08-14		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_104	2008-11-10		Carbon, Total Organic	3.8	mg/L	
HCCC-04	WW_104	2005-10-10		Carbon, Total Organic	6.4	mg/L	
HCCC-04	WW_104	2006-07-10		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_104	2007-04-09		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2010-09-13		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_104	2008-10-13		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2009-01-12		Carbon, Total Organic	3.3	mg/L	
HCCC-04	WW_104	2006-06-12		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_104	2007-07-09		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_104	2005-11-14		Carbon, Total Organic	5.9	mg/L	
HCCC-04	WW_104	2008-12-08		Carbon, Total Organic	3.2	mg/L	
HCCC-04	WW_104	2007-06-11		Carbon, Total Organic	4.7	mg/L	
HCCC-04	WW_104	2008-08-11		Carbon, Total Organic	3.8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2007-03-12		Carbon, Total Organic	4.4	mg/L	
HCCC-04	WW_104	2006-02-14		Carbon, Total Organic	3.5	mg/L	
HCCC-04	WW_104	2008-04-14		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2007-12-10		Carbon, Total Organic	2.9	mg/L	
HCCC-04	WW_104	2006-04-10		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_104	2009-06-08		Carbon, Total Organic	5.7	mg/L	
HCCC-04	WW_104	2009-10-12		Carbon, Total Organic	4.4	mg/L	
HCCC-04	WW_104	2006-10-09		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_104	2009-05-11		Carbon, Total Organic	4.8	mg/L	
HCCC-04	WW_104	2006-12-11		Carbon, Total Organic	4.4	mg/L	
HCCC-04	WW_104	2007-11-13		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2009-11-09		Carbon, Total Organic	5	mg/L	
HCCC-04	WW_104	2006-03-13		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_104	2009-08-10		Carbon, Total Organic	5.8	mg/L	
HCCC-04	WW_104	2006-11-13		Carbon, Total Organic	5.3	mg/L	
HCCC-04	WW_104	2008-02-11		Carbon, Total Organic	2.4	mg/L	
HCCC-04	WW_104	2008-01-14		Carbon, Total Organic	3	mg/L	
HCCC-04	WW_104	2009-09-14		Carbon, Total Organic	4.3	mg/L	
HCCC-04	WW_104	2008-03-10		Carbon, Total Organic	2.6	mg/L	
HCCC-04	WW_104	2009-07-13		Carbon, Total Organic	5.2	mg/L	
HCCC-04	WW_104	2009-04-13		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2008-05-12		Carbon, Total Organic	4.9	mg/L	
HCCC-04	WW_104	2006-01-09		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2006-05-08		Carbon, Total Organic	5	mg/L	
HCCC-04	WW_104	2007-10-08		Carbon, Total Organic	4.2	mg/L	
HCCC-04	WW_104	2007-01-08		Carbon, Total Organic	4	mg/L	
HCCC-04	WW_104	2009-12-14		Carbon, Total Organic	4.1	mg/L	
HCCC-04	WW_104	2010-03-08		Carbon, Total Organic	3.3	mg/L	
HCCC-04	WW_104	2010-02-08		Carbon, Total Organic	3.6	mg/L	
HCCC-04	WW_104	2007-09-10		Carbon, Total Organic	5.5	mg/L	
HCCC-04	WW_104	2008-06-09		Carbon, Total Organic	8.3	mg/L	
HCCD-01	WW_32	2010-11-08		Carbon, Total Organic	4.6	mg/L	
HCCD-01	WW_32	2012-07-16		Carbon, Total Organic	6.1	mg/L	
HCCD-01	WW_32	2011-09-12		Carbon, Total Organic	6.1	mg/L	
HCCD-01	WW_32	2012-04-09		Carbon, Total Organic	4.9	mg/L	
HCCD-01	WW_32	2011-07-11		Carbon, Total Organic	23.8	mg/L	
HCCD-01	WW_32	2012-05-14		Carbon, Total Organic	5.2	mg/L	
HCCD-01	WW_32	2011-06-13		Carbon, Total Organic	6.1	mg/L	
HCCD-01	WW_32	2012-06-11		Carbon, Total Organic	5.4	mg/L	
HCCD-01	WW_32	2012-03-12		Carbon, Total Organic	4.2	mg/L	
HCCD-01	WW_32	2011-08-08		Carbon, Total Organic	8.1	mg/L	
HCCD-01	WW_32	2012-01-17		Carbon, Total Organic	3.2	mg/L	
HCCD-01	WW_32	2010-10-11		Carbon, Total Organic	5.4	mg/L	
HCCD-01	WW_32	2011-05-09		Carbon, Total Organic	5.6	mg/L	
HCCD-01	WW_32	2011-03-14		Carbon, Total Organic	3.9	mg/L	
HCCD-01	WW_32	2011-10-10		Carbon, Total Organic	6.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2011-04-11		Carbon, Total Organic	5	mg/L	
HCCD-01	WW_32	2011-11-14		Carbon, Total Organic	4.9	mg/L	
HCCD-01	WW_32	2011-12-12		Carbon, Total Organic	3.6	mg/L	
HCCD-01	WW_32	2004-10-11		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2004-12-13		Carbon, Total Organic	6	mg/L	
HCCD-01	WW_32	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCD-01	WW_32	2004-08-09		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2005-02-14		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2005-08-08		Carbon, Total Organic	5.8	mg/L	
HCCD-01	WW_32	2004-09-13		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2005-07-11		Carbon, Total Organic	6.6	mg/L	
HCCD-01	WW_32	2004-07-12		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2005-06-13		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2005-04-11		Carbon, Total Organic	15	mg/L	
HCCD-01	WW_32	2005-09-12		Carbon, Total Organic	7.5	mg/L	
HCCD-01	WW_32	2004-06-14		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2004-11-08		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2005-05-09		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2010-05-10		Carbon, Total Organic	6.7	mg/L	
HCCD-01	WW_32	2006-09-11		Carbon, Total Organic	3.4	mg/L	
HCCD-01	WW_32	2009-03-09		Carbon, Total Organic	4.8	mg/L	
HCCD-01	WW_32	2007-08-13		Carbon, Total Organic	5.7	mg/L	
HCCD-01	WW_32	2008-06-09		Carbon, Total Organic	8.4	mg/L	
HCCD-01	WW_32	2005-11-14		Carbon, Total Organic	4.4	mg/L	
HCCD-01	WW_32	2007-07-09		Carbon, Total Organic	5.1	mg/L	
HCCD-01	WW_32	2007-05-14		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2010-08-09		Carbon, Total Organic	9.4	mg/L	
HCCD-01	WW_32	2006-08-14		Carbon, Total Organic	4.9	mg/L	
HCCD-01	WW_32	2008-09-08		Carbon, Total Organic	3.7	mg/L	
HCCD-01	WW_32	2006-07-10		Carbon, Total Organic	5.2	mg/L	
HCCD-01	WW_32	2005-10-10		Carbon, Total Organic	3.3	mg/L	
HCCD-01	WW_32	2010-09-13		Carbon, Total Organic	5.4	mg/L	
HCCD-01	WW_32	2007-04-09		Carbon, Total Organic	3.5	mg/L	
HCCD-01	WW_32	2008-10-13		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2008-11-10		Carbon, Total Organic	4.4	mg/L	
HCCD-01	WW_32	2007-03-12		Carbon, Total Organic	4.3	mg/L	
HCCD-01	WW_32	2006-06-12		Carbon, Total Organic	5.1	mg/L	
HCCD-01	WW_32	2008-07-14		Carbon, Total Organic	4.4	mg/L	
HCCD-01	WW_32	2010-06-14		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2007-06-11		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2010-07-12		Carbon, Total Organic	7.1	mg/L	
HCCD-01	WW_32	2008-08-11		Carbon, Total Organic	3.9	mg/L	
HCCD-01	WW_32	2009-08-10		Carbon, Total Organic	6.2	mg/L	
HCCD-01	WW_32	2009-10-12		Carbon, Total Organic	5	mg/L	
HCCD-01	WW_32	2009-12-14		Carbon, Total Organic	3.9	mg/L	
HCCD-01	WW_32	2006-11-13		Carbon, Total Organic	15.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2006-05-08		Carbon, Total Organic	5	mg/L	
HCCD-01	WW_32	2008-04-14		Carbon, Total Organic	3.7	mg/L	
HCCD-01	WW_32	2006-04-10		Carbon, Total Organic	3.4	mg/L	
HCCD-01	WW_32	2009-06-08		Carbon, Total Organic	6	mg/L	
HCCD-01	WW_32	2006-01-09		Carbon, Total Organic	3.3	mg/L	
HCCD-01	WW_32	2007-10-08		Carbon, Total Organic	5.8	mg/L	
HCCD-01	WW_32	2007-11-13		Carbon, Total Organic	5.6	mg/L	
HCCD-01	WW_32	2006-03-13		Carbon, Total Organic	6	mg/L	
HCCD-01	WW_32	2009-07-13		Carbon, Total Organic	5.7	mg/L	
HCCD-01	WW_32	2006-12-11		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2009-11-09		Carbon, Total Organic	5.2	mg/L	
HCCD-01	WW_32	2008-03-10		Carbon, Total Organic	2.8	mg/L	
HCCD-01	WW_32	2006-02-14		Carbon, Total Organic	3.1	mg/L	
HCCD-01	WW_32	2008-05-12		Carbon, Total Organic	4.5	mg/L	
HCCD-01	WW_32	2008-01-14		Carbon, Total Organic	3.1	mg/L	
HCCD-01	WW_32	2010-03-08		Carbon, Total Organic	2.9	mg/L	
HCCD-01	WW_32	2009-09-14		Carbon, Total Organic	5.2	mg/L	
HCCD-01	WW_32	2005-12-12		Carbon, Total Organic	6.3	mg/L	
HCCD-01	WW_32	2009-04-13		Carbon, Total Organic	4.2	mg/L	
HCCD-01	WW_32	2010-04-12		Carbon, Total Organic	4.2	mg/L	
HCCD-01	WW_32	2009-05-11		Carbon, Total Organic	4.7	mg/L	
HCCD-01	WW_32	2006-10-09		Carbon, Total Organic	5.4	mg/L	
HCCD-01	WW_32	2007-01-08		Carbon, Total Organic	3.9	mg/L	
HCCD-01	WW_32	2007-09-10		Carbon, Total Organic	6.3	mg/L	
HCCD-01	WW_32	2001-05-14		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2002-09-09		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2004-04-12		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2001-12-10		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2003-08-11		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2003-09-08		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2002-08-12		Carbon, Total Organic	13	mg/L	
HCCD-01	WW_32	2002-02-11		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2002-04-08		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2003-12-08		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2002-03-11		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2001-07-09		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2003-10-13		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2002-06-10		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2002-07-08		Carbon, Total Organic	12	mg/L	
HCCD-01	WW_32	2004-03-08		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2001-06-11		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2001-08-13		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2003-11-10		Carbon, Total Organic	8	mg/L	
HCCD-01	WW_32	2002-05-13		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2003-05-12		Carbon, Total Organic	13	mg/L	
HCCD-01	WW_32	2001-11-13		Carbon, Total Organic	12	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2002-11-12		Carbon, Total Organic	13	mg/L	
HCCD-01	WW_32	2001-10-08		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2003-04-14		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2003-07-14		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2003-06-09		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2001-04-09		Carbon, Total Organic	10	mg/L	
HCCD-01	WW_32	2002-10-14		Carbon, Total Organic	11	mg/L	
HCCD-01	WW_32	2001-09-10		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2001-03-12		Carbon, Total Organic	9	mg/L	
HCCD-01	WW_32	2004-05-10		Carbon, Total Organic	12	mg/L	
HCCD-01	WW_32	2001-02-13		Carbon, Total Organic	7	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Carbon, Total Organic	5.1	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Carbon, Total Organic	6.82	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Carbon, Total Organic	6.15	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Carbon, Total Organic	6.9	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Carbon, Total Organic	5.82	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Carbon, Total Organic	4.5	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Carbon, Total Organic	6.01	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Carbon, Total Organic	5.28	mg/L	
HCCD-09	WW_105	2011-08-08		Carbon, Total Organic	6.5	mg/L	
HCCD-09	WW_105	2012-01-17		Carbon, Total Organic	3.8	mg/L	
HCCD-09	WW_105	2011-12-12		Carbon, Total Organic	4.1	mg/L	
HCCD-09	WW_105	2011-09-12		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2011-07-11		Carbon, Total Organic	4.5	mg/L	
HCCD-09	WW_105	2012-04-09		Carbon, Total Organic	4.1	mg/L	
HCCD-09	WW_105	2012-03-12		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2011-04-11		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2011-11-14		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2011-01-10		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2010-12-13		Carbon, Total Organic	4.8	mg/L	
HCCD-09	WW_105	2010-10-11		Carbon, Total Organic	5.1	mg/L	
HCCD-09	WW_105	2011-10-10		Carbon, Total Organic	4.3	mg/L	
HCCD-09	WW_105	2012-02-14		Carbon, Total Organic	3.6	mg/L	
HCCD-09	WW_105	2011-06-13		Carbon, Total Organic	5.9	mg/L	
HCCD-09	WW_105	2012-07-16		Carbon, Total Organic	5.7	mg/L	
HCCD-09	WW_105	2012-06-11		Carbon, Total Organic	4.4	mg/L	
HCCD-09	WW_105	2012-05-14		Carbon, Total Organic	4.3	mg/L	
HCCD-09	WW_105	2011-03-14		Carbon, Total Organic	4.2	mg/L	
HCCD-09	WW_105	2011-02-14		Carbon, Total Organic	3.8	mg/L	
HCCD-09	WW_105	2010-11-08		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2011-05-09		Carbon, Total Organic	5.3	mg/L	
HCCD-09	WW_105	2002-08-12		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2004-09-13		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2003-09-08		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2001-05-14		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2003-10-13		Carbon, Total Organic	7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-11-10		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2002-05-13		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2004-08-09		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2002-07-08		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2001-06-11		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2005-06-13		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2002-06-10		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2003-06-09		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2003-02-10		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2001-03-12		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2002-12-09		Carbon, Total Organic	12	mg/L	
HCCD-09	WW_105	2003-01-13		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2003-05-12		Carbon, Total Organic	10	mg/L	
HCCD-09	WW_105	2003-04-14		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2004-11-08		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2003-03-10		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2005-04-11		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-10-11		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-12-13		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2003-08-11		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2005-03-14		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2002-09-09		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2002-10-14		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2002-11-12		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2005-05-09		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2001-04-09		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2005-09-12		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2003-07-14		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2002-01-14		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2005-01-10		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2005-07-11		Carbon, Total Organic	5.2	mg/L	
HCCD-09	WW_105	2002-02-11		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2001-10-08		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-03-08		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-06-14		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2005-08-08		Carbon, Total Organic	3.4	mg/L	
HCCD-09	WW_105	2004-07-12		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2001-09-10		Carbon, Total Organic	9	mg/L	
HCCD-09	WW_105	2001-08-13		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2005-02-14		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-01-12		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2002-03-11		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2002-04-08		Carbon, Total Organic	23	mg/L	
HCCD-09	WW_105	2004-05-10		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2001-07-09		Carbon, Total Organic	8	mg/L	
HCCD-09	WW_105	2001-11-13		Carbon, Total Organic	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-12-08		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2004-04-12		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2001-12-10		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2004-02-09		Carbon, Total Organic	6	mg/L	
HCCD-09	WW_105	2006-08-14		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2008-03-10		Carbon, Total Organic	2.6	mg/L	
HCCD-09	WW_105	2007-05-14		Carbon, Total Organic	4.3	mg/L	
HCCD-09	WW_105	2007-01-08		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2008-06-09		Carbon, Total Organic	7	mg/L	
HCCD-09	WW_105	2007-09-10		Carbon, Total Organic	4.9	mg/L	
HCCD-09	WW_105	2006-11-13		Carbon, Total Organic	4.7	mg/L	
HCCD-09	WW_105	2008-02-11		Carbon, Total Organic	2.1	mg/L	
HCCD-09	WW_105	2007-04-09		Carbon, Total Organic	4.1	mg/L	
HCCD-09	WW_105	2008-01-14		Carbon, Total Organic	2.7	mg/L	
HCCD-09	WW_105	2008-09-08		Carbon, Total Organic	4	mg/L	
HCCD-09	WW_105	2008-05-12		Carbon, Total Organic	5	mg/L	
HCCD-09	WW_105	2006-12-11		Carbon, Total Organic	4.3	mg/L	
HCCD-09	WW_105	2007-10-08		Carbon, Total Organic	4	mg/L	
HCCD-09	WW_105	2007-08-13		Carbon, Total Organic	5.4	mg/L	
HCCD-09	WW_105	2008-04-14		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2007-07-09		Carbon, Total Organic	4.1	mg/L	
HCCD-09	WW_105	2007-11-13		Carbon, Total Organic	3.5	mg/L	
HCCD-09	WW_105	2006-10-09		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2007-03-12		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2007-12-10		Carbon, Total Organic	3.8	mg/L	
HCCD-09	WW_105	2006-09-11		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2007-06-11		Carbon, Total Organic	5.3	mg/L	
HCCD-09	WW_105	2008-07-14		Carbon, Total Organic	4.2	mg/L	
HCCD-09	WW_105	2008-08-11		Carbon, Total Organic	3.3	mg/L	
HCCD-09	WW_105	2009-04-13		Carbon, Total Organic	4.2	mg/L	
HCCD-09	WW_105	2009-01-12		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2010-04-12		Carbon, Total Organic	4.5	mg/L	
HCCD-09	WW_105	2006-05-08		Carbon, Total Organic	4.7	mg/L	
HCCD-09	WW_105	2009-05-11		Carbon, Total Organic	4.6	mg/L	
HCCD-09	WW_105	2010-03-08		Carbon, Total Organic	3.5	mg/L	
HCCD-09	WW_105	2010-06-14		Carbon, Total Organic	4.3	mg/L	
HCCD-09	WW_105	2009-02-09		Carbon, Total Organic	3.6	mg/L	
HCCD-09	WW_105	2006-06-12		Carbon, Total Organic	5.1	mg/L	
HCCD-09	WW_105	2009-03-09		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2005-11-14		Carbon, Total Organic	5.4	mg/L	
HCCD-09	WW_105	2010-05-10		Carbon, Total Organic	5.4	mg/L	
HCCD-09	WW_105	2006-03-13		Carbon, Total Organic	4.4	mg/L	
HCCD-09	WW_105	2006-02-14		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2009-11-09		Carbon, Total Organic	4.8	mg/L	
HCCD-09	WW_105	2009-09-14		Carbon, Total Organic	4	mg/L	
HCCD-09	WW_105	2009-08-10		Carbon, Total Organic	5.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2009-10-12		Carbon, Total Organic	4.1	mg/L	
HCCD-09	WW_105	2006-01-09		Carbon, Total Organic	3.6	mg/L	
HCCD-09	WW_105	2010-01-11		Carbon, Total Organic	3.5	mg/L	
HCCD-09	WW_105	2009-06-08		Carbon, Total Organic	5.4	mg/L	
HCCD-09	WW_105	2009-07-13		Carbon, Total Organic	5.2	mg/L	
HCCD-09	WW_105	2005-12-12		Carbon, Total Organic	4.7	mg/L	
HCCD-09	WW_105	2010-02-08		Carbon, Total Organic	3.5	mg/L	
HCCD-09	WW_105	2006-04-10		Carbon, Total Organic	4.8	mg/L	
HCCD-09	WW_105	2009-12-14		Carbon, Total Organic	3.9	mg/L	
HCCD-09	WW_105	2010-08-09		Carbon, Total Organic	5.3	mg/L	
HCCD-09	WW_105	2005-10-10		Carbon, Total Organic	6.2	mg/L	
HCCD-09	WW_105	2008-10-13		Carbon, Total Organic	3.7	mg/L	
HCCD-09	WW_105	2010-07-12		Carbon, Total Organic	5	mg/L	
HCCD-09	WW_105	2008-11-10		Carbon, Total Organic	3.4	mg/L	
HCCD-09	WW_105	2010-09-13		Carbon, Total Organic	5.4	mg/L	
HCCD-09	WW_105	2008-12-08		Carbon, Total Organic	3.1	mg/L	
HCCD-09	WW_105	2006-07-10		Carbon, Total Organic	4.6	mg/L	
RHJ	RHJ-1	2000-06-27	10:30	Carbon, Total Organic	2.38	%	14 ft
RHJ	RHJ-1	2000-06-27	10:30	Carbon, Total Organic	2.38	%	14 ft
RHJ	RHJ-1	2001-07-16	14:12	Carbon, Total Organic	3.93	%	4 ft
RHJ	RHJ-1	2003-06-10	9:17	Carbon, Total Organic	0.98	%	10 ft
RHJ	RHJ-1	2001-07-16	14:12	Carbon, Total Organic	3.93	%	4 ft
RHJ	RHJ-1	2011-06-14	9:18	Carbon, Total Organic	6.15	%	8 ft
RHJ	RHJ-1	2003-06-10	9:17	Carbon, Total Organic	0.98	%	10 ft
RHJ	RHJ-2	2003-06-10	10:29	Carbon, Total Organic	1.52	%	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Carbon, Total Organic	1.52	%	12 ft
RHJ	RHJ-3	2000-06-27	12:30	Carbon, Total Organic	3.37	%	10 ft
RHJ	RHJ-3	2001-07-16	12:45	Carbon, Total Organic	9.65	%	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Carbon, Total Organic	9.65	%	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Carbon, Total Organic	3.37	%	10 ft
RHJ	RHJ-3	2011-06-14	10:59	Carbon, Total Organic	7.61	%	5 ft
HCC-07	HCC-07	2000-01-24	13:15	Chloride	606	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Chloride	111	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Chloride	415	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Chloride	95.3	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Chloride	333	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Chloride	1	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Chloride	171	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Chloride	128	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Chloride	263	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Chloride	166	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Chloride	133	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Chloride	92.3	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Chloride	1	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Chloride	200	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Chloride	418	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2004-06-21	12:45	Chloride	141	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Chloride	257	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Chloride	90.6	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Chloride	1086	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Chloride	163	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Chloride	207	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Chloride	279	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Chloride	290	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Chloride	241	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Chloride	118	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Chloride	96.3	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Chloride	98.1	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Chloride	731	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Chloride	134	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Chloride	180	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Chloride	146	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Chloride	267	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Chloride	165	mg/L	
HCC-07	HCC-07	2004-11-23	11:45	Chloride	141	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Chloride	275	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Chloride	192	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Chloride	155	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Chloride	254	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Chloride	1650	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Chloride	201	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Chloride	433	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Chloride	411	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Chloride	228	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Chloride	165	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Chloride	145	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Chloride	110	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Chloride	380	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Chloride	391	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Chloride	302	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Chloride	348	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Chloride	101	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Chloride	183	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Chloride	226	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Chloride	134	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Chloride	93.3	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Chloride	189	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Chloride	330	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Chloride	30.9	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Chloride	351	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Chloride	346	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Chloride	88.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2010-04-14	11:40	Chloride	523	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Chloride	349	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Chloride	116	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Chloride	337	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Chloride	193	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Chloride	682	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Chloride	169	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Chloride	175	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Chloride	232	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Chloride	148	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Chloride	157	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Chloride	167	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Chloride	307	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Chloride	192	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Chloride	410	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Chloride	209	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Chloride	344	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Chloride	196	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Chloride	179	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Chloride	105	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Chloride	180	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Chloride	216	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Chloride	287	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Chloride	117	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Chloride	217	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Chloride	99	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Chloride	216	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Chloride	887	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Chloride	524	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Chloride	418	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Chloride	590	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Chloride	244	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Chloride	719	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Chloride	389	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Chloride	381	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Chloride	709	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Chloride	295	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Chloride	200	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Chloride	996	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Chloride	176	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Chloride	294	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Chloride	468	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Chloride	236	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Chloride	240	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Chloride	174	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Chloride	55.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2003-06-04	13:15	Chloride	549	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Chloride	195	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Chloride	171	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Chloride	214	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Chloride	346	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Chloride	234	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Chloride	405	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Chloride	380	mg/L	
HCC-07	WW_34	2012-06-11		Chloride	267	mg/L	
HCC-07	WW_34	2011-08-08		Chloride	75	mg/L	
HCC-07	WW_34	2011-12-12		Chloride	187	mg/L	
HCC-07	WW_34	2012-05-14		Chloride	271	mg/L	
HCC-07	WW_34	2011-11-14		Chloride	148	mg/L	
HCC-07	WW_34	2011-07-11		Chloride	245	mg/L	
HCC-07	WW_34	2011-04-11		Chloride	356	mg/L	
HCC-07	WW_34	2012-04-09		Chloride	422	mg/L	
HCC-07	WW_34	2011-01-10		Chloride	412	mg/L	
HCC-07	WW_34	2011-09-12		Chloride	175	mg/L	
HCC-07	WW_34	2012-07-16		Chloride	156	mg/L	
HCC-07	WW_34	2011-05-09		Chloride	282	mg/L	
HCC-07	WW_34	2012-01-17		Chloride	866	mg/L	
HCC-07	WW_34	2011-10-10		Chloride	172	mg/L	
HCC-07	WW_34	2012-02-14		Chloride	451	mg/L	
HCC-07	WW_34	2011-03-14		Chloride	452	mg/L	
HCC-07	WW_34	2011-06-13		Chloride	209	mg/L	
HCC-07	WW_34	2012-03-12		Chloride	364	mg/L	
HCC-07	WW_34	2004-07-12		Chloride	141.8	mg/L	
HCC-07	WW_34	2005-02-14		Chloride	453	mg/L	
HCC-07	WW_34	2005-01-10		Chloride	523.2	mg/L	
HCC-07	WW_34	2005-04-11		Chloride	400.4	mg/L	
HCC-07	WW_34	2004-08-09		Chloride	156.5	mg/L	
HCC-07	WW_34	2005-09-12		Chloride	147.3	mg/L	
HCC-07	WW_34	2004-12-13		Chloride	233.1	mg/L	
HCC-07	WW_34	2004-10-11		Chloride	133.7	mg/L	
HCC-07	WW_34	2005-03-14		Chloride	693.8	mg/L	
HCC-07	WW_34	2005-05-09		Chloride	325.2	mg/L	
HCC-07	WW_34	2004-09-13		Chloride	131.6	mg/L	
HCC-07	WW_34	2005-06-13		Chloride	267	mg/L	
HCC-07	WW_34	2004-11-08		Chloride	155.6	mg/L	
HCC-07	WW_34	2005-07-11		Chloride	296.5	mg/L	
HCC-07	WW_34	2005-08-08		Chloride	202.6	mg/L	
HCC-07	WW_34	2004-06-14		Chloride	146.4	mg/L	
HCC-07	WW_34	2007-04-09		Chloride	358.5	mg/L	
HCC-07	WW_34	2006-08-14		Chloride	187.1	mg/L	
HCC-07	WW_34	2006-03-13		Chloride	288.9	mg/L	
HCC-07	WW_34	2006-02-14		Chloride	519.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-11-13		Chloride	134.8	mg/L	
HCC-07	WW_34	2006-09-11		Chloride	93.8	mg/L	
HCC-07	WW_34	2005-11-14		Chloride	177.4	mg/L	
HCC-07	WW_34	2006-10-09		Chloride	120.2	mg/L	
HCC-07	WW_34	2006-01-09		Chloride	477.9	mg/L	
HCC-07	WW_34	2006-04-10		Chloride	311.2	mg/L	
HCC-07	WW_34	2006-05-08		Chloride	280.4	mg/L	
HCC-07	WW_34	2007-01-08		Chloride	183.2	mg/L	
HCC-07	WW_34	2005-10-10		Chloride	223.7	mg/L	
HCC-07	WW_34	2006-12-11		Chloride	208.2	mg/L	
HCC-07	WW_34	2006-07-10		Chloride	214.4	mg/L	
HCC-07	WW_34	2007-03-12		Chloride	407.3	mg/L	
HCC-07	WW_34	2006-06-12		Chloride	216.8	mg/L	
HCC-07	WW_34	2007-10-08		Chloride	158.4	mg/L	
HCC-07	WW_34	2009-08-10		Chloride	141	mg/L	
HCC-07	WW_34	2008-10-13		Chloride	166	mg/L	
HCC-07	WW_34	2008-04-14		Chloride	296	mg/L	
HCC-07	WW_34	2008-12-08		Chloride	345	mg/L	
HCC-07	WW_34	2008-11-10		Chloride	155	mg/L	
HCC-07	WW_34	2009-07-13		Chloride	194	mg/L	
HCC-07	WW_34	2009-10-12		Chloride	141	mg/L	
HCC-07	WW_34	2008-09-08		Chloride	152	mg/L	
HCC-07	WW_34	2009-11-09		Chloride	163	mg/L	
HCC-07	WW_34	2009-09-14		Chloride	175	mg/L	
HCC-07	WW_34	2007-09-10		Chloride	130.9	mg/L	
HCC-07	WW_34	2009-01-12		Chloride	471	mg/L	
HCC-07	WW_34	2008-01-14		Chloride	506.3	mg/L	
HCC-07	WW_34	2009-04-13		Chloride	327	mg/L	
HCC-07	WW_34	2009-02-09		Chloride	477	mg/L	
HCC-07	WW_34	2009-03-09		Chloride	168	mg/L	
HCC-07	WW_34	2007-11-13		Chloride	176.2	mg/L	
HCC-07	WW_34	2009-06-08		Chloride	144	mg/L	
HCC-07	WW_34	2009-05-11		Chloride	238	mg/L	
HCC-07	WW_34	2008-03-10		Chloride	523	mg/L	
HCC-07	WW_34	2007-12-10		Chloride	560	mg/L	
HCC-07	WW_34	2010-06-14		Chloride	192	mg/L	
HCC-07	WW_34	2008-08-11		Chloride	197	mg/L	
HCC-07	WW_34	2007-06-11		Chloride	328	mg/L	
HCC-07	WW_34	2008-05-12		Chloride	266	mg/L	
HCC-07	WW_34	2010-05-10		Chloride	308	mg/L	
HCC-07	WW_34	2010-08-09		Chloride	183	mg/L	
HCC-07	WW_34	2008-06-09		Chloride	129	mg/L	
HCC-07	WW_34	2010-07-12		Chloride	166	mg/L	
HCC-07	WW_34	2008-07-14		Chloride	184	mg/L	
HCC-07	WW_34	2007-05-14		Chloride	305.6	mg/L	
HCC-07	WW_34	2010-02-08		Chloride	447	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2010-03-08		Chloride	667	mg/L	
HCC-07	WW_34	2009-12-14		Chloride	315	mg/L	
HCC-07	WW_34	2010-01-11		Chloride	253	mg/L	
HCC-07	WW_34	2007-08-13		Chloride	151.9	mg/L	
HCC-07	WW_34	2007-07-09		Chloride	286.4	mg/L	
HCC-07	WW_34	2010-04-12		Chloride	310	mg/L	
HCC-07	WW_34	2003-06-09		Chloride	185.4	mg/L	
HCC-07	WW_34	2003-11-10		Chloride	157.8	mg/L	
HCC-07	WW_34	2001-08-13		Chloride	159	mg/L	
HCC-07	WW_34	2003-03-10		Chloride	160.2	mg/L	
HCC-07	WW_34	2002-05-13		Chloride	131.5	mg/L	
HCC-07	WW_34	2004-03-08		Chloride	361.5	mg/L	
HCC-07	WW_34	2001-06-11		Chloride	192	mg/L	
HCC-07	WW_34	2001-01-16		Chloride	802	mg/L	
HCC-07	WW_34	2001-07-09		Chloride	157	mg/L	
HCC-07	WW_34	2003-05-12		Chloride	152.3	mg/L	
HCC-07	WW_34	2004-01-12		Chloride	320.4	mg/L	
HCC-07	WW_34	2002-03-11		Chloride	357	mg/L	
HCC-07	WW_34	2004-02-09		Chloride	1272	mg/L	
HCC-07	WW_34	2002-02-11		Chloride	340	mg/L	
HCC-07	WW_34	2001-02-13		Chloride	318	mg/L	
HCC-07	WW_34	2001-10-08		Chloride	119	mg/L	
HCC-07	WW_34	2002-04-08		Chloride	298.1	mg/L	
HCC-07	WW_34	2003-04-14		Chloride	410.4	mg/L	
HCC-07	WW_34	2003-12-08		Chloride	173.8	mg/L	
HCC-07	WW_34	2002-11-12		Chloride	147.7	mg/L	
HCC-07	WW_34	2004-04-12		Chloride	290.3	mg/L	
HCC-07	WW_34	2001-12-10		Chloride	33	mg/L	
HCC-07	WW_34	2003-07-14		Chloride	181.6	mg/L	
HCC-07	WW_34	2001-05-14		Chloride	212	mg/L	
HCC-07	WW_34	2003-09-08		Chloride	145.8	mg/L	
HCC-07	WW_34	2001-11-13		Chloride	105	mg/L	
HCC-07	WW_34	2002-08-12		Chloride	114.5	mg/L	
HCC-07	WW_34	2003-08-11		Chloride	165.1	mg/L	
HCC-07	WW_34	2001-09-10		Chloride	129	mg/L	
HCC-07	WW_34	2002-10-14		Chloride	137.8	mg/L	
HCC-07	WW_34	2001-04-09		Chloride	372	mg/L	
HCC-07	WW_34	2002-09-09		Chloride	114.9	mg/L	
HCC-07	WW_34	2003-10-13		Chloride	151.3	mg/L	
HCC-07	WW_34	2002-01-14		Chloride	146	mg/L	
HCC-07	WW_34	2002-07-08		Chloride	141.2	mg/L	
HCC-07	WW_34	2004-05-10		Chloride	338	mg/L	
HCC-07	WW_34	2003-01-13		Chloride	376.5	mg/L	
HCC-07	WW_34	2002-06-10		Chloride	107.8	mg/L	
HCC-07	WW_34	2001-03-12		Chloride	389	mg/L	
HCC-07	WW_34	2002-12-09		Chloride	426.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2011-09-12		Chloride	221	mg/L	
HCC-07	WW_96	2010-11-08		Chloride	176	mg/L	
HCC-07	WW_96	2014-03-10		Chloride	894	mg/L	
HCC-07	WW_96	2011-08-08		Chloride	116	mg/L	
HCC-07	WW_96	2014-05-12		Chloride	393	mg/L	
HCC-07	WW_96	2014-04-14		Chloride	439	mg/L	
HCC-07	WW_96	2012-03-12		Chloride	380	mg/L	
HCC-07	WW_96	2014-10-13		Chloride	239	mg/L	
HCC-07	WW_96	2011-12-12		Chloride	206	mg/L	
HCC-07	WW_96	2010-10-11		Chloride	191	mg/L	
HCC-07	WW_96	2014-12-08		Chloride	225	mg/L	
HCC-07	WW_96	2011-11-14		Chloride	165	mg/L	
HCC-07	WW_96	2014-09-15		Chloride	204	mg/L	
HCC-07	WW_96	2014-11-10		Chloride	214	mg/L	
HCC-07	WW_96	2014-07-14		Chloride	187	mg/L	
HCC-07	WW_96	2012-02-14		Chloride	476	mg/L	
HCC-07	WW_96	2014-06-09		Chloride	300	mg/L	
HCC-07	WW_96	2012-01-17		Chloride	755	mg/L	
HCC-07	WW_96	2010-12-13		Chloride	631	mg/L	
HCC-07	WW_96	2011-10-10		Chloride	191	mg/L	
HCC-07	WW_96	2014-08-11		Chloride	295	mg/L	
HCC-07	WW_96	2013-04-08		Chloride	396	mg/L	
HCC-07	WW_96	2011-03-14		Chloride	462	mg/L	
HCC-07	WW_96	2012-08-13		Chloride	177	mg/L	
HCC-07	WW_96	2013-03-11		Chloride	382	mg/L	
HCC-07	WW_96	2012-09-10		Chloride	186	mg/L	
HCC-07	WW_96	2013-06-10		Chloride	82	mg/L	
HCC-07	WW_96	2012-07-16		Chloride	178	mg/L	
HCC-07	WW_96	2011-05-09		Chloride	295	mg/L	
HCC-07	WW_96	2013-05-13		Chloride	235	mg/L	
HCC-07	WW_96	2013-01-14		Chloride	274	mg/L	
HCC-07	WW_96	2012-11-13		Chloride	159	mg/L	
HCC-07	WW_96	2011-04-11		Chloride	371	mg/L	
HCC-07	WW_96	2012-12-10		Chloride	129	mg/L	
HCC-07	WW_96	2012-10-08		Chloride	171	mg/L	
HCC-07	WW_96	2013-02-11		Chloride	635	mg/L	
HCC-07	WW_96	2011-07-11		Chloride	281	mg/L	
HCC-07	WW_96	2013-12-09		Chloride	236	mg/L	
HCC-07	WW_96	2011-01-10		Chloride	479	mg/L	
HCC-07	WW_96	2012-05-14		Chloride	286	mg/L	
HCC-07	WW_96	2013-11-12		Chloride	194	mg/L	
HCC-07	WW_96	2012-04-09		Chloride	331	mg/L	
HCC-07	WW_96	2014-01-13		Chloride	790	mg/L	
HCC-07	WW_96	2013-08-12		Chloride	23	mg/L	
HCC-07	WW_96	2011-06-13		Chloride	216	mg/L	
HCC-07	WW_96	2013-07-15		Chloride	209	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2013-10-14		Chloride	191	mg/L	
HCC-07	WW_96	2013-09-16		Chloride	98	mg/L	
HCC-07	WW_96	2012-06-11		Chloride	296	mg/L	
HCC-07	WW_96	2005-03-14		Chloride	727.8	mg/L	
HCC-07	WW_96	2004-10-11		Chloride	108.4	mg/L	
HCC-07	WW_96	2004-12-13		Chloride	238.3	mg/L	
HCC-07	WW_96	2004-11-08		Chloride	165.1	mg/L	
HCC-07	WW_96	2005-05-09		Chloride	336.1	mg/L	
HCC-07	WW_96	2005-09-12		Chloride	171.1	mg/L	
HCC-07	WW_96	2005-04-11		Chloride	405.3	mg/L	
HCC-07	WW_96	2004-07-12		Chloride	139.9	mg/L	
HCC-07	WW_96	2005-08-08		Chloride	237.5	mg/L	
HCC-07	WW_96	2005-07-11		Chloride	315.8	mg/L	
HCC-07	WW_96	2005-02-14		Chloride	497	mg/L	
HCC-07	WW_96	2004-06-14		Chloride	158.8	mg/L	
HCC-07	WW_96	2005-01-10		Chloride	400.6	mg/L	
HCC-07	WW_96	2004-09-13		Chloride	179.9	mg/L	
HCC-07	WW_96	2005-06-13		Chloride	274.6	mg/L	
HCC-07	WW_96	2004-08-09		Chloride	167.3	mg/L	
HCC-07	WW_96	2006-09-11		Chloride	151.8	mg/L	
HCC-07	WW_96	2010-04-12		Chloride	335	mg/L	
HCC-07	WW_96	2010-09-13		Chloride	171	mg/L	
HCC-07	WW_96	2008-10-13		Chloride	170	mg/L	
HCC-07	WW_96	2008-04-14		Chloride	287	mg/L	
HCC-07	WW_96	2008-06-09		Chloride	117	mg/L	
HCC-07	WW_96	2008-09-08		Chloride	142	mg/L	
HCC-07	WW_96	2007-07-09		Chloride	266.7	mg/L	
HCC-07	WW_96	2007-04-09		Chloride	367.8	mg/L	
HCC-07	WW_96	2010-03-08		Chloride	707	mg/L	
HCC-07	WW_96	2008-08-11		Chloride	227	mg/L	
HCC-07	WW_96	2008-05-12		Chloride	246	mg/L	
HCC-07	WW_96	2007-05-14		Chloride	325.4	mg/L	
HCC-07	WW_96	2010-07-12		Chloride	132	mg/L	
HCC-07	WW_96	2010-05-10		Chloride	314	mg/L	
HCC-07	WW_96	2006-08-14		Chloride	220.4	mg/L	
HCC-07	WW_96	2007-03-12		Chloride	415.7	mg/L	
HCC-07	WW_96	2010-06-14		Chloride	222	mg/L	
HCC-07	WW_96	2010-08-09		Chloride	180	mg/L	
HCC-07	WW_96	2006-10-09		Chloride	118.1	mg/L	
HCC-07	WW_96	2005-11-14		Chloride	195.9	mg/L	
HCC-07	WW_96	2005-10-10		Chloride	239.6	mg/L	
HCC-07	WW_96	2008-07-14		Chloride	174	mg/L	
HCC-07	WW_96	2007-06-11		Chloride	346.1	mg/L	
HCC-07	WW_96	2009-07-13		Chloride	208	mg/L	
HCC-07	WW_96	2006-06-12		Chloride	209.4	mg/L	
HCC-07	WW_96	2009-08-10		Chloride	185	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-02-11		Chloride	1102.6	mg/L	
HCC-07	WW_96	2007-10-08		Chloride	206.1	mg/L	
HCC-07	WW_96	2006-11-13		Chloride	128.5	mg/L	
HCC-07	WW_96	2006-03-13		Chloride	272.6	mg/L	
HCC-07	WW_96	2009-02-09		Chloride	492	mg/L	
HCC-07	WW_96	2006-05-08		Chloride	295.8	mg/L	
HCC-07	WW_96	2007-12-10		Chloride	506.4	mg/L	
HCC-07	WW_96	2009-05-11		Chloride	252	mg/L	
HCC-07	WW_96	2009-04-13		Chloride	354	mg/L	
HCC-07	WW_96	2006-04-10		Chloride	183.9	mg/L	
HCC-07	WW_96	2009-06-08		Chloride	316	mg/L	
HCC-07	WW_96	2007-11-13		Chloride	177	mg/L	
HCC-07	WW_96	2009-03-09		Chloride	171	mg/L	
HCC-07	WW_96	2006-12-11		Chloride	233	mg/L	
HCC-07	WW_96	2008-01-14		Chloride	531.9	mg/L	
HCC-07	WW_96	2007-08-13		Chloride	155.5	mg/L	
HCC-07	WW_96	2009-12-14		Chloride	291	mg/L	
HCC-07	WW_96	2008-03-10		Chloride	521	mg/L	
HCC-07	WW_96	2009-11-09		Chloride	179	mg/L	
HCC-07	WW_96	2006-01-09		Chloride	525.6	mg/L	
HCC-07	WW_96	2010-02-08		Chloride	448	mg/L	
HCC-07	WW_96	2006-07-10		Chloride	212.7	mg/L	
HCC-07	WW_96	2008-11-10		Chloride	170	mg/L	
HCC-07	WW_96	2009-01-12		Chloride	510	mg/L	
HCC-07	WW_96	2009-09-14		Chloride	178	mg/L	
HCC-07	WW_96	2007-09-10		Chloride	152.8	mg/L	
HCC-07	WW_96	2007-01-08		Chloride	188.7	mg/L	
HCC-07	WW_96	2006-02-14		Chloride	521.1	mg/L	
HCC-07	WW_96	2008-12-08		Chloride	453	mg/L	
HCC-07	WW_96	2009-10-12		Chloride	148	mg/L	
HCC-07	WW_96	2001-01-16		Chloride	434	mg/L	
HCC-07	WW_96	2003-04-14		Chloride	436.3	mg/L	
HCC-07	WW_96	2002-09-09		Chloride	121.7	mg/L	
HCC-07	WW_96	2003-08-11		Chloride	175.5	mg/L	
HCC-07	WW_96	2003-05-12		Chloride	154.5	mg/L	
HCC-07	WW_96	2002-12-09		Chloride	580.2	mg/L	
HCC-07	WW_96	2001-03-12		Chloride	490	mg/L	
HCC-07	WW_96	2003-01-13		Chloride	420.9	mg/L	
HCC-07	WW_96	2003-06-09		Chloride	228.8	mg/L	
HCC-07	WW_96	2001-02-13		Chloride	257	mg/L	
HCC-07	WW_96	2001-04-09		Chloride	325	mg/L	
HCC-07	WW_96	2002-10-14		Chloride	127.3	mg/L	
HCC-07	WW_96	2002-11-12		Chloride	157.8	mg/L	
HCC-07	WW_96	2003-07-14		Chloride	186.5	mg/L	
HCC-07	WW_96	2001-08-13		Chloride	147	mg/L	
HCC-07	WW_96	2004-03-08		Chloride	371.6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2002-01-14		Chloride	159	mg/L	
HCC-07	WW_96	2002-02-11		Chloride	372	mg/L	
HCC-07	WW_96	2004-01-12		Chloride	364.5	mg/L	
HCC-07	WW_96	2002-03-11		Chloride	341	mg/L	
HCC-07	WW_96	2004-05-10		Chloride	292.8	mg/L	
HCC-07	WW_96	2001-11-13		Chloride	134	mg/L	
HCC-07	WW_96	2001-10-08		Chloride	119	mg/L	
HCC-07	WW_96	2004-04-12		Chloride	317.9	mg/L	
HCC-07	WW_96	2001-12-10		Chloride	149	mg/L	
HCC-07	WW_96	2001-09-10		Chloride	117	mg/L	
HCC-07	WW_96	2003-10-13		Chloride	168.2	mg/L	
HCC-07	WW_96	2002-07-08		Chloride	166.4	mg/L	
HCC-07	WW_96	2002-06-10		Chloride	114.5	mg/L	
HCC-07	WW_96	2002-08-12		Chloride	127.5	mg/L	
HCC-07	WW_96	2003-09-08		Chloride	164.3	mg/L	
HCC-07	WW_96	2001-05-14		Chloride	221	mg/L	
HCC-07	WW_96	2003-12-08		Chloride	189.4	mg/L	
HCC-07	WW_96	2002-04-08		Chloride	298.8	mg/L	
HCC-07	WW_96	2001-07-09		Chloride	143	mg/L	
HCC-07	WW_96	2003-11-10		Chloride	172.9	mg/L	
HCC-07	WW_96	2001-06-11		Chloride	201	mg/L	
HCC-07	WW_96	2002-05-13		Chloride	112.7	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Chloride	643	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Chloride	155	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Chloride	651	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Chloride	194	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Chloride	264	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Chloride	132	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Chloride	277	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Chloride	420	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Chloride	140	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Chloride	417	mg/L	
HCCB-05	WW_106	2010-12-13		Chloride	1031	mg/L	
HCCB-05	WW_106	2012-01-17		Chloride	1255	mg/L	
HCCB-05	WW_106	2010-10-11		Chloride	208	mg/L	
HCCB-05	WW_106	2010-11-08		Chloride	165	mg/L	
HCCB-05	WW_106	2011-12-12		Chloride	286	mg/L	
HCCB-05	WW_106	2011-11-14		Chloride	226	mg/L	
HCCB-05	WW_106	2012-03-12		Chloride	193	mg/L	
HCCB-05	WW_106	2012-02-14		Chloride	790	mg/L	
HCCB-05	WW_106	2011-06-13		Chloride	413	mg/L	
HCCB-05	WW_106	2011-07-11		Chloride	276	mg/L	
HCCB-05	WW_106	2011-02-14		Chloride	2076	mg/L	
HCCB-05	WW_106	2012-05-14		Chloride	383	mg/L	
HCCB-05	WW_106	2011-04-11		Chloride	553	mg/L	
HCCB-05	WW_106	2011-05-09		Chloride	425	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-03-14		Chloride	710	mg/L	
HCCB-05	WW_106	2012-07-16		Chloride	325	mg/L	
HCCB-05	WW_106	2011-01-10		Chloride	452	mg/L	
HCCB-05	WW_106	2011-08-08		Chloride	131	mg/L	
HCCB-05	WW_106	2002-02-11		Chloride	288	mg/L	
HCCB-05	WW_106	2004-03-08		Chloride	566.4	mg/L	
HCCB-05	WW_106	2001-09-10		Chloride	175	mg/L	
HCCB-05	WW_106	2001-04-09		Chloride	485	mg/L	
HCCB-05	WW_106	2004-10-11		Chloride	218	mg/L	
HCCB-05	WW_106	2004-04-12		Chloride	373.5	mg/L	
HCCB-05	WW_106	2004-11-08		Chloride	235.8	mg/L	
HCCB-05	WW_106	2001-03-12		Chloride	592	mg/L	
HCCB-05	WW_106	2003-05-12		Chloride	234.7	mg/L	
HCCB-05	WW_106	2004-05-10		Chloride	438.7	mg/L	
HCCB-05	WW_106	2004-06-14		Chloride	291.6	mg/L	
HCCB-05	WW_106	2003-07-14		Chloride	136.5	mg/L	
HCCB-05	WW_106	2002-04-08		Chloride	517.7	mg/L	
HCCB-05	WW_106	2002-08-12		Chloride	175.1	mg/L	
HCCB-05	WW_106	2005-02-14		Chloride	593.7	mg/L	
HCCB-05	WW_106	2002-05-13		Chloride	182.7	mg/L	
HCCB-05	WW_106	2002-03-11		Chloride	434	mg/L	
HCCB-05	WW_106	2004-01-12		Chloride	728	mg/L	
HCCB-05	WW_106	2005-03-14		Chloride	850.3	mg/L	
HCCB-05	WW_106	2001-06-11		Chloride	312	mg/L	
HCCB-05	WW_106	2005-08-08		Chloride	200.1	mg/L	
HCCB-05	WW_106	2002-06-10		Chloride	160.4	mg/L	
HCCB-05	WW_106	2003-10-13		Chloride	172.5	mg/L	
HCCB-05	WW_106	2001-05-14		Chloride	289	mg/L	
HCCB-05	WW_106	2004-02-09		Chloride	1563	mg/L	
HCCB-05	WW_106	2007-01-08		Chloride	240.7	mg/L	
HCCB-05	WW_106	2007-12-10		Chloride	237.9	mg/L	
HCCB-05	WW_106	2008-05-12		Chloride	545	mg/L	
HCCB-05	WW_106	2009-08-10		Chloride	243	mg/L	
HCCB-05	WW_106	2008-10-13		Chloride	251	mg/L	
HCCB-05	WW_106	2006-03-13		Chloride	310	mg/L	
HCCB-05	WW_106	2006-10-09		Chloride	175.2	mg/L	
HCCB-05	WW_106	2009-05-11		Chloride	397	mg/L	
HCCB-05	WW_106	2010-03-08		Chloride	1038	mg/L	
HCCB-05	WW_106	2009-11-09		Chloride	248	mg/L	
HCCB-05	WW_106	2008-09-08		Chloride	247	mg/L	
HCCB-05	WW_106	2008-03-10		Chloride	665	mg/L	
HCCB-05	WW_106	2009-12-14		Chloride	535	mg/L	
HCCB-05	WW_106	2010-02-08		Chloride	743	mg/L	
HCCB-05	WW_106	2008-11-10		Chloride	232	mg/L	
HCCB-05	WW_106	2009-06-08		Chloride	151	mg/L	
HCCB-05	WW_106	2006-12-11		Chloride	460.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2010-08-09		Chloride	106	mg/L	
HCCB-05	WW_106	2008-04-14		Chloride	419	mg/L	
HCCB-05	WW_106	2006-01-09		Chloride	662.2	mg/L	
HCCB-05	WW_106	2005-11-14		Chloride	179.9	mg/L	
HCCB-05	WW_106	2009-03-09		Chloride	349	mg/L	
HCCB-05	WW_106	2010-07-12		Chloride	230	mg/L	
HCCB-05	WW_106	2008-08-11		Chloride	240	mg/L	
HCCB-05	WW_106	2010-05-10		Chloride	490	mg/L	
HCCB-05	WW_106	2008-01-14		Chloride	664.1	mg/L	
HCCB-05	WW_106	2009-01-12		Chloride	764	mg/L	
HCCB-05	WW_106	2007-03-12		Chloride	472.8	mg/L	
HCCB-05	WW_106	2008-07-14		Chloride	282	mg/L	
HCCB-05	WW_106	2006-09-11		Chloride	89	mg/L	
HCCB-05	WW_106	2009-02-09		Chloride	735	mg/L	
HCCB-05	WW_106	2009-09-14		Chloride	232	mg/L	
HCCB-05	WW_106	2009-04-13		Chloride	507	mg/L	
HCCB-05	WW_106	2007-08-13		Chloride	235.5	mg/L	
HCCB-05	WW_106	2010-09-13		Chloride	248	mg/L	
HCCB-05	WW_106	2010-04-12		Chloride	442	mg/L	
HCCB-05	WW_106	2009-10-12		Chloride	277	mg/L	
HCCB-05	WW_106	2008-06-09		Chloride	222	mg/L	
HCCB-05	WW_106	2008-12-08		Chloride	497	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Chloride	93.9	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Chloride	329	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Chloride	134	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Chloride	146	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Chloride	304	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Chloride	180	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Chloride	95.8	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Chloride	111	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Chloride	313	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Chloride	216	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Chloride	271	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Chloride	309	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Chloride	243	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Chloride	277	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Chloride	576	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Chloride	285	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Chloride	381	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Chloride	236	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Chloride	313	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Chloride	266	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Chloride	95	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Chloride	205	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Chloride	150	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Chloride	343	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2002-12-27	10:00	Chloride	396	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Chloride	97.3	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Chloride	143	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Chloride	223	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Chloride	368	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Chloride	280	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Chloride	114	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Chloride	387	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Chloride	258	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Chloride	223	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Chloride	77.2	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Chloride	307	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Chloride	203	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Chloride	250	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Chloride	555	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Chloride	315	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Chloride	299	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Chloride	365	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Chloride	363	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Chloride	353	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Chloride	47.2	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Chloride	329	mg/L	
HCCC-02	HCCC-02	2003-03-10	12:55	Chloride	229	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Chloride	289	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Chloride	252	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Chloride	92.6	mg/L	
HCCC-02	HCCC-02	2004-11-23	10:45	Chloride	147	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Chloride	108	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Chloride	112	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Chloride	142	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Chloride	217	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Chloride	200	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Chloride	249	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Chloride	172	mg/L	
HCCC-02	HCCC-02	2004-08-04	11:15	Chloride	56.8	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Chloride	104	mg/L	
HCCC-02	HCCC-02	2004-06-21	11:00	Chloride	142	mg/L	
HCCC-02	HCCC-02	2005-04-05	11:45	Chloride	340	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Chloride	833	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Chloride	708	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Chloride	700	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Chloride	1070	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Chloride	146	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Chloride	195	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Chloride	761	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Chloride	302	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2006-07-25	13:00	Chloride	573	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Chloride	213	mg/L	
HCCC-02	HCCC-02	2005-03-03	10:00	Chloride	371	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Chloride	290	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Chloride	380	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Chloride	504	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Chloride	435	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Chloride	186	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Chloride	337	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Chloride	169	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Chloride	439	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Chloride	177	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Chloride	721	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Chloride	77.7	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Chloride	221	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Chloride	340	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Chloride	161	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Chloride	143	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Chloride	203	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Chloride	321	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Chloride	119	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Chloride	275	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Chloride	244	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Chloride	474	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Chloride	161	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Chloride	226	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Chloride	172	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Chloride	225	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Chloride	384	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Chloride	396	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Chloride	707	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Chloride	98.7	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Chloride	147	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Chloride	218	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Chloride	407	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Chloride	117	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Chloride	333	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Chloride	132	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Chloride	1080	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Chloride	215	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Chloride	249	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Chloride	176	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Chloride	98.8	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Chloride	383	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Chloride	165	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Chloride	173	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2008-08-20	10:30	Chloride	368	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Chloride	180	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Chloride	160	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Chloride	306	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Chloride	273	mg/L	1 ft
HCCC-02	HCCC-06	2011-08-17	9:10	Chloride	237	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Chloride	164	mg/L	
HCCC-02	WW_31	2011-11-14		Chloride	162	mg/L	
HCCC-02	WW_31	2011-08-08		Chloride	73	mg/L	
HCCC-02	WW_31	2011-04-11		Chloride	392	mg/L	
HCCC-02	WW_31	2011-06-13		Chloride	279	mg/L	
HCCC-02	WW_31	2011-07-11		Chloride	321	mg/L	
HCCC-02	WW_31	2010-11-08		Chloride	171	mg/L	
HCCC-02	WW_31	2010-10-11		Chloride	220	mg/L	
HCCC-02	WW_31	2011-05-09		Chloride	320	mg/L	
HCCC-02	WW_31	2011-03-14		Chloride	438	mg/L	
HCCC-02	WW_31	2011-10-10		Chloride	199	mg/L	
HCCC-02	WW_31	2012-04-09		Chloride	393	mg/L	
HCCC-02	WW_31	2011-12-12		Chloride	207	mg/L	
HCCC-02	WW_31	2012-07-16		Chloride	238	mg/L	
HCCC-02	WW_31	2012-03-12		Chloride	387	mg/L	
HCCC-02	WW_31	2012-05-14		Chloride	276	mg/L	
HCCC-02	WW_31	2005-04-11		Chloride	419.4	mg/L	
HCCC-02	WW_31	2005-09-12		Chloride	199.7	mg/L	
HCCC-02	WW_31	2005-08-08		Chloride	333.9	mg/L	
HCCC-02	WW_31	2005-06-13		Chloride	283.5	mg/L	
HCCC-02	WW_31	2005-05-09		Chloride	300.6	mg/L	
HCCC-02	WW_31	2005-07-11		Chloride	449	mg/L	
HCCC-02	WW_31	2004-07-12		Chloride	139.2	mg/L	
HCCC-02	WW_31	2005-03-14		Chloride	466.8	mg/L	
HCCC-02	WW_31	2004-09-13		Chloride	181.1	mg/L	
HCCC-02	WW_31	2004-06-14		Chloride	141.1	mg/L	
HCCC-02	WW_31	2004-11-08		Chloride	193.8	mg/L	
HCCC-02	WW_31	2004-08-09		Chloride	134.4	mg/L	
HCCC-02	WW_31	2004-10-11		Chloride	122.3	mg/L	
HCCC-02	WW_31	2004-12-13		Chloride	224.6	mg/L	
HCCC-02	WW_31	2005-02-14		Chloride	229.4	mg/L	
HCCC-02	WW_31	2009-10-12		Chloride	178	mg/L	
HCCC-02	WW_31	2007-04-09		Chloride	362.6	mg/L	
HCCC-02	WW_31	2010-09-13		Chloride	175	mg/L	
HCCC-02	WW_31	2006-12-11		Chloride	230.3	mg/L	
HCCC-02	WW_31	2009-11-09		Chloride	165	mg/L	
HCCC-02	WW_31	2007-08-13		Chloride	237.6	mg/L	
HCCC-02	WW_31	2007-06-11		Chloride	459.9	mg/L	
HCCC-02	WW_31	2010-05-10		Chloride	431	mg/L	
HCCC-02	WW_31	2010-07-12		Chloride	184	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2010-04-12		Chloride	415	mg/L	
HCCC-02	WW_31	2010-06-14		Chloride	320	mg/L	
HCCC-02	WW_31	2007-03-12		Chloride	271.2	mg/L	
HCCC-02	WW_31	2005-11-14		Chloride	189.7	mg/L	
HCCC-02	WW_31	2007-07-09		Chloride	442.5	mg/L	
HCCC-02	WW_31	2007-05-14		Chloride	379.4	mg/L	
HCCC-02	WW_31	2005-10-10		Chloride	305.7	mg/L	
HCCC-02	WW_31	2007-10-08		Chloride	189.5	mg/L	
HCCC-02	WW_31	2010-08-09		Chloride	156	mg/L	
HCCC-02	WW_31	2007-11-13		Chloride	178.6	mg/L	
HCCC-02	WW_31	2009-12-14		Chloride	296	mg/L	
HCCC-02	WW_31	2007-01-08		Chloride	179.4	mg/L	
HCCC-02	WW_31	2007-09-10		Chloride	161.1	mg/L	
HCCC-02	WW_31	2010-03-08		Chloride	665	mg/L	
HCCC-02	WW_31	2006-01-09		Chloride	518.9	mg/L	
HCCC-02	WW_31	2008-08-11		Chloride	269	mg/L	
HCCC-02	WW_31	2006-10-09		Chloride	219.1	mg/L	
HCCC-02	WW_31	2009-05-11		Chloride	263	mg/L	
HCCC-02	WW_31	2008-11-10		Chloride	163	mg/L	
HCCC-02	WW_31	2009-07-13		Chloride	252	mg/L	
HCCC-02	WW_31	2009-03-09		Chloride	169	mg/L	
HCCC-02	WW_31	2008-03-10		Chloride	603	mg/L	
HCCC-02	WW_31	2006-07-10		Chloride	331.4	mg/L	
HCCC-02	WW_31	2006-06-12		Chloride	241.1	mg/L	
HCCC-02	WW_31	2008-04-14		Chloride	270	mg/L	
HCCC-02	WW_31	2006-04-10		Chloride	332.4	mg/L	
HCCC-02	WW_31	2006-09-11		Chloride	100.8	mg/L	
HCCC-02	WW_31	2008-07-14		Chloride	285	mg/L	
HCCC-02	WW_31	2009-06-08		Chloride	132	mg/L	
HCCC-02	WW_31	2009-08-10		Chloride	178	mg/L	
HCCC-02	WW_31	2006-08-14		Chloride	278.1	mg/L	
HCCC-02	WW_31	2008-05-12		Chloride	249	mg/L	
HCCC-02	WW_31	2009-09-14		Chloride	172	mg/L	
HCCC-02	WW_31	2008-06-09		Chloride	127	mg/L	
HCCC-02	WW_31	2009-04-13		Chloride	388	mg/L	
HCCC-02	WW_31	2008-10-13		Chloride	193	mg/L	
HCCC-02	WW_31	2008-01-14		Chloride	482.1	mg/L	
HCCC-02	WW_31	2006-05-08		Chloride	307.8	mg/L	
HCCC-02	WW_31	2006-03-13		Chloride	120.1	mg/L	
HCCC-02	WW_31	2006-11-13		Chloride	157.4	mg/L	
HCCC-02	WW_31	2008-09-08		Chloride	290	mg/L	
HCCC-02	WW_31	2001-12-10		Chloride	124	mg/L	
HCCC-02	WW_31	2002-06-10		Chloride	160	mg/L	
HCCC-02	WW_31	2001-03-12		Chloride	343	mg/L	
HCCC-02	WW_31	2001-06-11		Chloride	221	mg/L	
HCCC-02	WW_31	2001-11-13		Chloride	108	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2001-07-09		Chloride	183	mg/L	
HCCC-02	WW_31	2001-02-13		Chloride	289	mg/L	
HCCC-02	WW_31	2002-05-13		Chloride	161.1	mg/L	
HCCC-02	WW_31	2002-04-08		Chloride	251.6	mg/L	
HCCC-02	WW_31	2003-04-14		Chloride	424.7	mg/L	
HCCC-02	WW_31	2002-02-11		Chloride	221	mg/L	
HCCC-02	WW_31	2002-10-14		Chloride	150.4	mg/L	
HCCC-02	WW_31	2001-09-10		Chloride	139	mg/L	
HCCC-02	WW_31	2001-04-09		Chloride	297	mg/L	
HCCC-02	WW_31	2002-08-12		Chloride	171.8	mg/L	
HCCC-02	WW_31	2002-09-09		Chloride	146.8	mg/L	
HCCC-02	WW_31	2001-05-14		Chloride	245	mg/L	
HCCC-02	WW_31	2001-08-13		Chloride	150	mg/L	
HCCC-02	WW_31	2002-07-08		Chloride	181	mg/L	
HCCC-02	WW_31	2001-10-08		Chloride	138	mg/L	
HCCC-02	WW_31	2002-03-11		Chloride	292	mg/L	
HCCC-02	WW_31	2002-11-12		Chloride	111.1	mg/L	
HCCC-02	WW_31	2003-11-10		Chloride	190.8	mg/L	
HCCC-02	WW_31	2003-09-08		Chloride	212	mg/L	
HCCC-02	WW_31	2003-06-09		Chloride	180.7	mg/L	
HCCC-02	WW_31	2004-04-12		Chloride	245.8	mg/L	
HCCC-02	WW_31	2004-03-08		Chloride	286.6	mg/L	
HCCC-02	WW_31	2003-07-14		Chloride	235	mg/L	
HCCC-02	WW_31	2003-10-13		Chloride	147.3	mg/L	
HCCC-02	WW_31	2004-05-10		Chloride	318.8	mg/L	
HCCC-02	WW_31	2003-05-12		Chloride	166.9	mg/L	
HCCC-02	WW_31	2003-12-08		Chloride	182.2	mg/L	
HCCC-02	WW_31	2003-08-11		Chloride	212.7	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Chloride	200	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Chloride	88.2	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Chloride	76	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Chloride	137	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Chloride	155	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Chloride	211	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Chloride	122	mg/L	
HCCC-04	WW_103	2011-05-09		Chloride	439	mg/L	
HCCC-04	WW_103	2011-12-12		Chloride	271	mg/L	
HCCC-04	WW_103	2012-01-17		Chloride	1004	mg/L	
HCCC-04	WW_103	2011-10-10		Chloride	256	mg/L	
HCCC-04	WW_103	2011-04-11		Chloride	517	mg/L	
HCCC-04	WW_103	2011-11-14		Chloride	192	mg/L	
HCCC-04	WW_103	2012-07-16		Chloride	138	mg/L	
HCCC-04	WW_103	2011-07-11		Chloride	370	mg/L	
HCCC-04	WW_103	2012-03-12		Chloride	84	mg/L	
HCCC-04	WW_103	2012-05-14		Chloride	398	mg/L	
HCCC-04	WW_103	2012-04-09		Chloride	361	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2011-08-08		Chloride	94	mg/L	
HCCC-04	WW_103	2012-06-11		Chloride	380	mg/L	
HCCC-04	WW_103	2011-06-13		Chloride	291	mg/L	
HCCC-04	WW_103	2011-09-12		Chloride	212	mg/L	
HCCC-04	WW_103	2012-02-14		Chloride	716	mg/L	
HCCC-04	WW_103	2010-10-11		Chloride	231	mg/L	
HCCC-04	WW_103	2011-02-14		Chloride	1116	mg/L	
HCCC-04	WW_103	2011-03-14		Chloride	660	mg/L	
HCCC-04	WW_103	2010-11-08		Chloride	230	mg/L	
HCCC-04	WW_103	2001-07-09		Chloride	197	mg/L	
HCCC-04	WW_103	2003-12-08		Chloride	240.3	mg/L	
HCCC-04	WW_103	2002-04-08		Chloride	430.7	mg/L	
HCCC-04	WW_103	2001-06-11		Chloride	261	mg/L	
HCCC-04	WW_103	2002-06-10		Chloride	110.4	mg/L	
HCCC-04	WW_103	2002-07-08		Chloride	160.4	mg/L	
HCCC-04	WW_103	2005-06-13		Chloride	399.7	mg/L	
HCCC-04	WW_103	2002-05-13		Chloride	152.5	mg/L	
HCCC-04	WW_103	2004-08-09		Chloride	213.8	mg/L	
HCCC-04	WW_103	2001-11-13		Chloride	141	mg/L	
HCCC-04	WW_103	2003-11-10		Chloride	185.3	mg/L	
HCCC-04	WW_103	2001-10-08		Chloride	135	mg/L	
HCCC-04	WW_103	2004-04-12		Chloride	492.4	mg/L	
HCCC-04	WW_103	2005-01-10		Chloride	527.5	mg/L	
HCCC-04	WW_103	2005-07-11		Chloride	431.1	mg/L	
HCCC-04	WW_103	2002-01-14		Chloride	174	mg/L	
HCCC-04	WW_103	2004-05-10		Chloride	460.3	mg/L	
HCCC-04	WW_103	2001-12-10		Chloride	128	mg/L	
HCCC-04	WW_103	2001-08-13		Chloride	176	mg/L	
HCCC-04	WW_103	2002-03-11		Chloride	456	mg/L	
HCCC-04	WW_103	2004-07-12		Chloride	195.2	mg/L	
HCCC-04	WW_103	2005-02-14		Chloride	592	mg/L	
HCCC-04	WW_103	2004-03-08		Chloride	483.9	mg/L	
HCCC-04	WW_103	2004-06-14		Chloride	199.7	mg/L	
HCCC-04	WW_103	2001-09-10		Chloride	129	mg/L	
HCCC-04	WW_103	2002-02-11		Chloride	563	mg/L	
HCCC-04	WW_103	2003-07-14		Chloride	247.5	mg/L	
HCCC-04	WW_103	2005-05-09		Chloride	501.6	mg/L	
HCCC-04	WW_103	2002-11-12		Chloride	176.7	mg/L	
HCCC-04	WW_103	2004-10-11		Chloride	142.1	mg/L	
HCCC-04	WW_103	2004-12-13		Chloride	285	mg/L	
HCCC-04	WW_103	2005-09-12		Chloride	209.9	mg/L	
HCCC-04	WW_103	2001-04-09		Chloride	363	mg/L	
HCCC-04	WW_103	2002-10-14		Chloride	172.6	mg/L	
HCCC-04	WW_103	2003-04-14		Chloride	639.6	mg/L	
HCCC-04	WW_103	2005-04-11		Chloride	603.5	mg/L	
HCCC-04	WW_103	2003-05-12		Chloride	197.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-06-09		Chloride	211.2	mg/L	
HCCC-04	WW_103	2004-11-08		Chloride	197.3	mg/L	
HCCC-04	WW_103	2001-03-12		Chloride	479	mg/L	
HCCC-04	WW_103	2002-08-12		Chloride	164.2	mg/L	
HCCC-04	WW_103	2005-03-14		Chloride	1346.3	mg/L	
HCCC-04	WW_103	2002-09-09		Chloride	127.3	mg/L	
HCCC-04	WW_103	2004-09-13		Chloride	211.6	mg/L	
HCCC-04	WW_103	2003-09-08		Chloride	212.7	mg/L	
HCCC-04	WW_103	2003-08-11		Chloride	227.2	mg/L	
HCCC-04	WW_103	2001-05-14		Chloride	259	mg/L	
HCCC-04	WW_103	2008-11-10		Chloride	193	mg/L	
HCCC-04	WW_103	2009-07-13		Chloride	261	mg/L	
HCCC-04	WW_103	2008-03-10		Chloride	708	mg/L	
HCCC-04	WW_103	2008-06-09		Chloride	170	mg/L	
HCCC-04	WW_103	2008-10-13		Chloride	201	mg/L	
HCCC-04	WW_103	2006-11-13		Chloride	156.6	mg/L	
HCCC-04	WW_103	2006-03-13		Chloride	308.3	mg/L	
HCCC-04	WW_103	2009-04-13		Chloride	505	mg/L	
HCCC-04	WW_103	2006-08-14		Chloride	228.9	mg/L	
HCCC-04	WW_103	2008-09-08		Chloride	198	mg/L	
HCCC-04	WW_103	2006-05-08		Chloride	424.7	mg/L	
HCCC-04	WW_103	2008-04-14		Chloride	387	mg/L	
HCCC-04	WW_103	2006-10-09		Chloride	120.8	mg/L	
HCCC-04	WW_103	2009-06-08		Chloride	127	mg/L	
HCCC-04	WW_103	2009-02-09		Chloride	693	mg/L	
HCCC-04	WW_103	2008-07-14		Chloride	243	mg/L	
HCCC-04	WW_103	2006-06-12		Chloride	261.6	mg/L	
HCCC-04	WW_103	2006-04-10		Chloride	447.4	mg/L	
HCCC-04	WW_103	2006-09-11		Chloride	116.6	mg/L	
HCCC-04	WW_103	2009-03-09		Chloride	234	mg/L	
HCCC-04	WW_103	2006-07-10		Chloride	273.4	mg/L	
HCCC-04	WW_103	2008-05-12		Chloride	333	mg/L	
HCCC-04	WW_103	2009-05-11		Chloride	330	mg/L	
HCCC-04	WW_103	2008-08-11		Chloride	239	mg/L	
HCCC-04	WW_103	2010-07-12		Chloride	203	mg/L	
HCCC-04	WW_103	2006-02-14		Chloride	808.6	mg/L	
HCCC-04	WW_103	2007-06-11		Chloride	410.3	mg/L	
HCCC-04	WW_103	2007-03-12		Chloride	522.5	mg/L	
HCCC-04	WW_103	2006-01-09		Chloride	695.4	mg/L	
HCCC-04	WW_103	2006-12-11		Chloride	283.5	mg/L	
HCCC-04	WW_103	2009-10-12		Chloride	181	mg/L	
HCCC-04	WW_103	2010-02-08		Chloride	909	mg/L	
HCCC-04	WW_103	2007-08-13		Chloride	187.9	mg/L	
HCCC-04	WW_103	2010-05-10		Chloride	438	mg/L	
HCCC-04	WW_103	2007-07-09		Chloride	378.4	mg/L	
HCCC-04	WW_103	2005-11-14		Chloride	180.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2009-12-14		Chloride	543	mg/L	
HCCC-04	WW_103	2007-10-08		Chloride	181.9	mg/L	
HCCC-04	WW_103	2009-11-09		Chloride	230	mg/L	
HCCC-04	WW_103	2010-06-14		Chloride	257	mg/L	
HCCC-04	WW_103	2007-11-13		Chloride	219.2	mg/L	
HCCC-04	WW_103	2009-09-14		Chloride	279	mg/L	
HCCC-04	WW_103	2008-01-14		Chloride	623.3	mg/L	
HCCC-04	WW_103	2010-09-13		Chloride	161	mg/L	
HCCC-04	WW_103	2007-09-10		Chloride	165.3	mg/L	
HCCC-04	WW_103	2007-04-09		Chloride	554.2	mg/L	
HCCC-04	WW_103	2009-08-10		Chloride	151	mg/L	
HCCC-04	WW_103	2010-03-08		Chloride	915	mg/L	
HCCC-04	WW_103	2007-01-08		Chloride	222.6	mg/L	
HCCC-04	WW_103	2005-10-10		Chloride	219.5	mg/L	
HCCC-04	WW_103	2010-04-12		Chloride	440	mg/L	
HCCC-04	WW_103	2010-08-09		Chloride	215	mg/L	
HCCC-04	WW_103	2007-05-14		Chloride	452.2	mg/L	
HCCC-04	WW_104	2012-02-14		Chloride	355	mg/L	
HCCC-04	WW_104	2010-11-08		Chloride	116	mg/L	
HCCC-04	WW_104	2011-03-14		Chloride	383	mg/L	
HCCC-04	WW_104	2012-06-11		Chloride	213	mg/L	
HCCC-04	WW_104	2011-06-13		Chloride	196	mg/L	
HCCC-04	WW_104	2012-04-09		Chloride	276	mg/L	
HCCC-04	WW_104	2011-01-10		Chloride	319	mg/L	
HCCC-04	WW_104	2011-08-08		Chloride	68	mg/L	
HCCC-04	WW_104	2010-12-13		Chloride	350	mg/L	
HCCC-04	WW_104	2012-05-14		Chloride	228	mg/L	
HCCC-04	WW_104	2011-07-11		Chloride	91	mg/L	
HCCC-04	WW_104	2011-09-12		Chloride	154	mg/L	
HCCC-04	WW_104	2011-02-14		Chloride	592	mg/L	
HCCC-04	WW_104	2012-03-12		Chloride	336	mg/L	
HCCC-04	WW_104	2011-11-14		Chloride	134	mg/L	
HCCC-04	WW_104	2011-12-12		Chloride	157	mg/L	
HCCC-04	WW_104	2011-05-09		Chloride	227	mg/L	
HCCC-04	WW_104	2010-10-11		Chloride	155	mg/L	
HCCC-04	WW_104	2012-07-16		Chloride	146	mg/L	
HCCC-04	WW_104	2011-10-10		Chloride	144	mg/L	
HCCC-04	WW_104	2011-04-11		Chloride	311	mg/L	
HCCC-04	WW_104	2012-01-17		Chloride	579	mg/L	
HCCC-04	WW_104	2002-08-12		Chloride	101.2	mg/L	
HCCC-04	WW_104	2005-07-11		Chloride	268	mg/L	
HCCC-04	WW_104	2002-01-14		Chloride	121	mg/L	
HCCC-04	WW_104	2003-05-12		Chloride	161	mg/L	
HCCC-04	WW_104	2004-04-12		Chloride	284.9	mg/L	
HCCC-04	WW_104	2001-12-10		Chloride	120	mg/L	
HCCC-04	WW_104	2003-04-14		Chloride	340.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-04-11		Chloride	346.2	mg/L	
HCCC-04	WW_104	2005-06-13		Chloride	220	mg/L	
HCCC-04	WW_104	2002-03-11		Chloride	358	mg/L	
HCCC-04	WW_104	2004-01-12		Chloride	323.2	mg/L	
HCCC-04	WW_104	2002-10-14		Chloride	107.2	mg/L	
HCCC-04	WW_104	2002-09-09		Chloride	114.3	mg/L	
HCCC-04	WW_104	2005-02-14		Chloride	285	mg/L	
HCCC-04	WW_104	2003-08-11		Chloride	145.1	mg/L	
HCCC-04	WW_104	2002-04-08		Chloride	252.7	mg/L	
HCCC-04	WW_104	2002-05-13		Chloride	143	mg/L	
HCCC-04	WW_104	2002-02-11		Chloride	230	mg/L	
HCCC-04	WW_104	2004-03-08		Chloride	337.5	mg/L	
HCCC-04	WW_104	2002-11-12		Chloride	113.5	mg/L	
HCCC-04	WW_104	2004-02-09		Chloride	892.5	mg/L	
HCCC-04	WW_104	2005-05-09		Chloride	248.4	mg/L	
HCCC-04	WW_104	2005-03-14		Chloride	500.4	mg/L	
HCCC-04	WW_104	2001-06-11		Chloride	175	mg/L	
HCCC-04	WW_104	2004-09-13		Chloride	123.4	mg/L	
HCCC-04	WW_104	2001-10-08		Chloride	116	mg/L	
HCCC-04	WW_104	2004-06-14		Chloride	134.5	mg/L	
HCCC-04	WW_104	2001-08-13		Chloride	143	mg/L	
HCCC-04	WW_104	2004-07-12		Chloride	134.8	mg/L	
HCCC-04	WW_104	2005-09-12		Chloride	126.8	mg/L	
HCCC-04	WW_104	2001-04-09		Chloride	300	mg/L	
HCCC-04	WW_104	2005-01-10		Chloride	329.5	mg/L	
HCCC-04	WW_104	2004-10-11		Chloride	106.4	mg/L	
HCCC-04	WW_104	2004-12-13		Chloride	204.2	mg/L	
HCCC-04	WW_104	2001-09-10		Chloride	130	mg/L	
HCCC-04	WW_104	2005-08-08		Chloride	165.6	mg/L	
HCCC-04	WW_104	2004-05-10		Chloride	221.6	mg/L	
HCCC-04	WW_104	2001-05-14		Chloride	199	mg/L	
HCCC-04	WW_104	2004-08-09		Chloride	140.3	mg/L	
HCCC-04	WW_104	2001-03-12		Chloride	333	mg/L	
HCCC-04	WW_104	2001-11-13		Chloride	103	mg/L	
HCCC-04	WW_104	2004-11-08		Chloride	146.9	mg/L	
HCCC-04	WW_104	2001-07-09		Chloride	154	mg/L	
HCCC-04	WW_104	2010-04-12		Chloride	282	mg/L	
HCCC-04	WW_104	2005-12-12		Chloride	226.8	mg/L	
HCCC-04	WW_104	2006-06-12		Chloride	201.5	mg/L	
HCCC-04	WW_104	2010-05-10		Chloride	272	mg/L	
HCCC-04	WW_104	2006-09-11		Chloride	31.6	mg/L	
HCCC-04	WW_104	2008-07-14		Chloride	177	mg/L	
HCCC-04	WW_104	2009-02-09		Chloride	422	mg/L	
HCCC-04	WW_104	2009-03-09		Chloride	195	mg/L	
HCCC-04	WW_104	2007-08-13		Chloride	141.9	mg/L	
HCCC-04	WW_104	2010-08-09		Chloride	161	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2006-08-14		Chloride	169.4	mg/L	
HCCC-04	WW_104	2008-09-08		Chloride	138	mg/L	
HCCC-04	WW_104	2007-05-14		Chloride	267.9	mg/L	
HCCC-04	WW_104	2006-07-10		Chloride	176.9	mg/L	
HCCC-04	WW_104	2005-10-10		Chloride	221.2	mg/L	
HCCC-04	WW_104	2008-11-10		Chloride	143	mg/L	
HCCC-04	WW_104	2007-04-09		Chloride	334.7	mg/L	
HCCC-04	WW_104	2010-09-13		Chloride	149	mg/L	
HCCC-04	WW_104	2008-10-13		Chloride	155	mg/L	
HCCC-04	WW_104	2009-01-12		Chloride	387	mg/L	
HCCC-04	WW_104	2005-11-14		Chloride	160.2	mg/L	
HCCC-04	WW_104	2007-07-09		Chloride	237.1	mg/L	
HCCC-04	WW_104	2007-06-11		Chloride	291.7	mg/L	
HCCC-04	WW_104	2008-08-11		Chloride	173	mg/L	
HCCC-04	WW_104	2007-03-12		Chloride	386.7	mg/L	
HCCC-04	WW_104	2008-12-08		Chloride	260	mg/L	
HCCC-04	WW_104	2006-02-14		Chloride	543.4	mg/L	
HCCC-04	WW_104	2006-12-11		Chloride	189.1	mg/L	
HCCC-04	WW_104	2009-06-08		Chloride	180	mg/L	
HCCC-04	WW_104	2006-04-10		Chloride	272.1	mg/L	
HCCC-04	WW_104	2008-04-14		Chloride	272	mg/L	
HCCC-04	WW_104	2007-12-10		Chloride	576.4	mg/L	
HCCC-04	WW_104	2009-10-12		Chloride	136	mg/L	
HCCC-04	WW_104	2007-11-13		Chloride	142.2	mg/L	
HCCC-04	WW_104	2009-05-11		Chloride	190	mg/L	
HCCC-04	WW_104	2006-10-09		Chloride	120.4	mg/L	
HCCC-04	WW_104	2009-11-09		Chloride	143	mg/L	
HCCC-04	WW_104	2008-02-11		Chloride	829.2	mg/L	
HCCC-04	WW_104	2006-11-13		Chloride	123.3	mg/L	
HCCC-04	WW_104	2009-08-10		Chloride	132	mg/L	
HCCC-04	WW_104	2006-03-13		Chloride	183.5	mg/L	
HCCC-04	WW_104	2008-03-10		Chloride	483	mg/L	
HCCC-04	WW_104	2009-09-14		Chloride	161	mg/L	
HCCC-04	WW_104	2008-01-14		Chloride	479.6	mg/L	
HCCC-04	WW_104	2009-07-13		Chloride	178	mg/L	
HCCC-04	WW_104	2007-01-08		Chloride	164.9	mg/L	
HCCC-04	WW_104	2008-06-09		Chloride	101	mg/L	
HCCC-04	WW_104	2006-01-09		Chloride	419.6	mg/L	
HCCC-04	WW_104	2007-10-08		Chloride	152.9	mg/L	
HCCC-04	WW_104	2009-12-14		Chloride	251	mg/L	
HCCC-04	WW_104	2008-05-12		Chloride	232	mg/L	
HCCC-04	WW_104	2006-05-08		Chloride	235.1	mg/L	
HCCC-04	WW_104	2010-03-08		Chloride	529	mg/L	
HCCC-04	WW_104	2010-02-08		Chloride	300	mg/L	
HCCC-04	WW_104	2009-04-13		Chloride	285	mg/L	
HCCC-04	WW_104	2007-09-10		Chloride	145.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2011-09-12		Chloride	134	mg/L	
HCCD-01	WW_32	2010-11-08		Chloride	161	mg/L	
HCCD-01	WW_32	2012-07-16		Chloride	145	mg/L	
HCCD-01	WW_32	2012-04-09		Chloride	332	mg/L	
HCCD-01	WW_32	2011-07-11		Chloride	273	mg/L	
HCCD-01	WW_32	2012-05-14		Chloride	254	mg/L	
HCCD-01	WW_32	2012-06-11		Chloride	285	mg/L	
HCCD-01	WW_32	2011-06-13		Chloride	197	mg/L	
HCCD-01	WW_32	2012-03-12		Chloride	79	mg/L	
HCCD-01	WW_32	2011-08-08		Chloride	55	mg/L	
HCCD-01	WW_32	2011-10-10		Chloride	170	mg/L	
HCCD-01	WW_32	2012-01-17		Chloride	675	mg/L	
HCCD-01	WW_32	2011-05-09		Chloride	249	mg/L	
HCCD-01	WW_32	2011-12-12		Chloride	192	mg/L	
HCCD-01	WW_32	2011-11-14		Chloride	131	mg/L	
HCCD-01	WW_32	2010-10-11		Chloride	190	mg/L	
HCCD-01	WW_32	2011-03-14		Chloride	421	mg/L	
HCCD-01	WW_32	2011-04-11		Chloride	323	mg/L	
HCCD-01	WW_32	2005-09-12		Chloride	135	mg/L	
HCCD-01	WW_32	2004-12-13		Chloride	245.2	mg/L	
HCCD-01	WW_32	2004-10-11		Chloride	130.1	mg/L	
HCCD-01	WW_32	2005-08-08		Chloride	263.6	mg/L	
HCCD-01	WW_32	2005-03-14		Chloride	552.9	mg/L	
HCCD-01	WW_32	2004-08-09		Chloride	188.4	mg/L	
HCCD-01	WW_32	2005-02-14		Chloride	205.7	mg/L	
HCCD-01	WW_32	2005-07-11		Chloride	509	mg/L	
HCCD-01	WW_32	2005-06-13		Chloride	390.6	mg/L	
HCCD-01	WW_32	2004-09-13		Chloride	202.1	mg/L	
HCCD-01	WW_32	2004-07-12		Chloride	137.3	mg/L	
HCCD-01	WW_32	2005-05-09		Chloride	407.6	mg/L	
HCCD-01	WW_32	2005-04-11		Chloride	391.3	mg/L	
HCCD-01	WW_32	2004-06-14		Chloride	147	mg/L	
HCCD-01	WW_32	2004-11-08		Chloride	178.3	mg/L	
HCCD-01	WW_32	2010-05-10		Chloride	285	mg/L	
HCCD-01	WW_32	2007-07-09		Chloride	412	mg/L	
HCCD-01	WW_32	2005-11-14		Chloride	136	mg/L	
HCCD-01	WW_32	2007-08-13		Chloride	164.9	mg/L	
HCCD-01	WW_32	2008-06-09		Chloride	68	mg/L	
HCCD-01	WW_32	2009-03-09		Chloride	181	mg/L	
HCCD-01	WW_32	2007-05-14		Chloride	398.9	mg/L	
HCCD-01	WW_32	2006-07-10		Chloride	271.2	mg/L	
HCCD-01	WW_32	2008-09-08		Chloride	185	mg/L	
HCCD-01	WW_32	2010-08-09		Chloride	72	mg/L	
HCCD-01	WW_32	2008-11-10		Chloride	186	mg/L	
HCCD-01	WW_32	2006-08-14		Chloride	210	mg/L	
HCCD-01	WW_32	2005-10-10		Chloride	112.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2008-10-13		Chloride	162	mg/L	
HCCD-01	WW_32	2007-04-09		Chloride	391.2	mg/L	
HCCD-01	WW_32	2010-09-13		Chloride	130	mg/L	
HCCD-01	WW_32	2007-03-12		Chloride	324.7	mg/L	
HCCD-01	WW_32	2008-07-14		Chloride	184	mg/L	
HCCD-01	WW_32	2010-06-14		Chloride	288	mg/L	
HCCD-01	WW_32	2006-09-11		Chloride	56.5	mg/L	
HCCD-01	WW_32	2006-06-12		Chloride	193.4	mg/L	
HCCD-01	WW_32	2007-06-11		Chloride	438	mg/L	
HCCD-01	WW_32	2008-08-11		Chloride	243	mg/L	
HCCD-01	WW_32	2010-07-12		Chloride	141	mg/L	
HCCD-01	WW_32	2009-08-10		Chloride	162	mg/L	
HCCD-01	WW_32	2006-01-09		Chloride	299.4	mg/L	
HCCD-01	WW_32	2009-06-08		Chloride	114	mg/L	
HCCD-01	WW_32	2009-10-12		Chloride	161	mg/L	
HCCD-01	WW_32	2007-10-08		Chloride	193.4	mg/L	
HCCD-01	WW_32	2008-04-14		Chloride	260	mg/L	
HCCD-01	WW_32	2006-04-10		Chloride	241.4	mg/L	
HCCD-01	WW_32	2008-03-10		Chloride	612	mg/L	
HCCD-01	WW_32	2007-11-13		Chloride	211.8	mg/L	
HCCD-01	WW_32	2009-12-14		Chloride	298	mg/L	
HCCD-01	WW_32	2009-11-09		Chloride	145	mg/L	
HCCD-01	WW_32	2006-12-11		Chloride	311.2	mg/L	
HCCD-01	WW_32	2006-03-13		Chloride	87.9	mg/L	
HCCD-01	WW_32	2006-02-14		Chloride	268.2	mg/L	
HCCD-01	WW_32	2009-07-13		Chloride	135	mg/L	
HCCD-01	WW_32	2006-11-13		Chloride	151.4	mg/L	
HCCD-01	WW_32	2007-09-10		Chloride	151.8	mg/L	
HCCD-01	WW_32	2010-03-08		Chloride	677	mg/L	
HCCD-01	WW_32	2008-05-12		Chloride	251	mg/L	
HCCD-01	WW_32	2008-01-14		Chloride	498.3	mg/L	
HCCD-01	WW_32	2009-04-13		Chloride	345	mg/L	
HCCD-01	WW_32	2010-04-12		Chloride	319	mg/L	
HCCD-01	WW_32	2006-05-08		Chloride	327.3	mg/L	
HCCD-01	WW_32	2005-12-12		Chloride	310.2	mg/L	
HCCD-01	WW_32	2009-09-14		Chloride	179	mg/L	
HCCD-01	WW_32	2009-05-11		Chloride	237	mg/L	
HCCD-01	WW_32	2007-01-08		Chloride	213.1	mg/L	
HCCD-01	WW_32	2006-10-09		Chloride	145.5	mg/L	
HCCD-01	WW_32	2001-09-10		Chloride	81	mg/L	
HCCD-01	WW_32	2001-05-14		Chloride	214	mg/L	
HCCD-01	WW_32	2002-09-09		Chloride	155.8	mg/L	
HCCD-01	WW_32	2002-08-12		Chloride	143.9	mg/L	
HCCD-01	WW_32	2001-12-10		Chloride	165	mg/L	
HCCD-01	WW_32	2003-08-11		Chloride	178	mg/L	
HCCD-01	WW_32	2004-04-12		Chloride	348.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2003-09-08		Chloride	214.8	mg/L	
HCCD-01	WW_32	2002-02-11		Chloride	293	mg/L	
HCCD-01	WW_32	2003-12-08		Chloride	216.6	mg/L	
HCCD-01	WW_32	2002-04-08		Chloride	277.8	mg/L	
HCCD-01	WW_32	2001-08-13		Chloride	161	mg/L	
HCCD-01	WW_32	2002-03-11		Chloride	318	mg/L	
HCCD-01	WW_32	2001-07-09		Chloride	188	mg/L	
HCCD-01	WW_32	2002-06-10		Chloride	136	mg/L	
HCCD-01	WW_32	2002-07-08		Chloride	193.8	mg/L	
HCCD-01	WW_32	2003-10-13		Chloride	172.7	mg/L	
HCCD-01	WW_32	2003-11-10		Chloride	157.6	mg/L	
HCCD-01	WW_32	2001-06-11		Chloride	197	mg/L	
HCCD-01	WW_32	2004-03-08		Chloride	356.9	mg/L	
HCCD-01	WW_32	2002-05-13		Chloride	114.9	mg/L	
HCCD-01	WW_32	2001-10-08		Chloride	153	mg/L	
HCCD-01	WW_32	2001-11-13		Chloride	113	mg/L	
HCCD-01	WW_32	2003-05-12		Chloride	141.4	mg/L	
HCCD-01	WW_32	2003-04-14		Chloride	487.7	mg/L	
HCCD-01	WW_32	2002-11-12		Chloride	112.3	mg/L	
HCCD-01	WW_32	2004-05-10		Chloride	357.3	mg/L	
HCCD-01	WW_32	2003-07-14		Chloride	219.3	mg/L	
HCCD-01	WW_32	2001-04-09		Chloride	317	mg/L	
HCCD-01	WW_32	2002-10-14		Chloride	154.5	mg/L	
HCCD-01	WW_32	2001-02-13		Chloride	357	mg/L	
HCCD-01	WW_32	2001-03-12		Chloride	448	mg/L	
HCCD-01	WW_32	2003-06-09		Chloride	187.7	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Chloride	121	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Chloride	120	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Chloride	123	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Chloride	77	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Chloride	166	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Chloride	200	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Chloride	74	mg/L	
HCCD-09	WW_105	2012-05-14		Chloride	207	mg/L	
HCCD-09	WW_105	2011-08-08		Chloride	85	mg/L	
HCCD-09	WW_105	2011-04-11		Chloride	288	mg/L	
HCCD-09	WW_105	2011-02-14		Chloride	397	mg/L	
HCCD-09	WW_105	2011-07-11		Chloride	172	mg/L	
HCCD-09	WW_105	2011-09-12		Chloride	147	mg/L	
HCCD-09	WW_105	2011-12-12		Chloride	136	mg/L	
HCCD-09	WW_105	2012-04-09		Chloride	241	mg/L	
HCCD-09	WW_105	2010-12-13		Chloride	198	mg/L	
HCCD-09	WW_105	2011-01-10		Chloride	269	mg/L	
HCCD-09	WW_105	2011-11-14		Chloride	118	mg/L	
HCCD-09	WW_105	2012-03-12		Chloride	274	mg/L	
HCCD-09	WW_105	2012-02-14		Chloride	318	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-06-13		Chloride	167	mg/L	
HCCD-09	WW_105	2012-06-11		Chloride	180	mg/L	
HCCD-09	WW_105	2012-07-16		Chloride	169	mg/L	
HCCD-09	WW_105	2011-03-14		Chloride	374	mg/L	
HCCD-09	WW_105	2010-11-08		Chloride	133	mg/L	
HCCD-09	WW_105	2012-01-17		Chloride	312	mg/L	
HCCD-09	WW_105	2011-10-10		Chloride	132	mg/L	
HCCD-09	WW_105	2011-05-09		Chloride	201	mg/L	
HCCD-09	WW_105	2010-10-11		Chloride	145	mg/L	
HCCD-09	WW_105	2001-05-14		Chloride	190	mg/L	
HCCD-09	WW_105	2002-08-12		Chloride	99.3	mg/L	
HCCD-09	WW_105	2003-09-08		Chloride	121.5	mg/L	
HCCD-09	WW_105	2004-09-13		Chloride	113.8	mg/L	
HCCD-09	WW_105	2003-11-10		Chloride	140.7	mg/L	
HCCD-09	WW_105	2004-08-09		Chloride	129.2	mg/L	
HCCD-09	WW_105	2002-05-13		Chloride	161.8	mg/L	
HCCD-09	WW_105	2002-07-08		Chloride	118.9	mg/L	
HCCD-09	WW_105	2002-06-10		Chloride	95.1	mg/L	
HCCD-09	WW_105	2005-06-13		Chloride	201.8	mg/L	
HCCD-09	WW_105	2001-06-11		Chloride	168	mg/L	
HCCD-09	WW_105	2003-10-13		Chloride	136.4	mg/L	
HCCD-09	WW_105	2003-02-10		Chloride	200.3	mg/L	
HCCD-09	WW_105	2003-06-09		Chloride	186	mg/L	
HCCD-09	WW_105	2002-12-09		Chloride	176.6	mg/L	
HCCD-09	WW_105	2003-01-13		Chloride	194	mg/L	
HCCD-09	WW_105	2003-05-12		Chloride	191.9	mg/L	
HCCD-09	WW_105	2005-04-11		Chloride	323.7	mg/L	
HCCD-09	WW_105	2003-04-14		Chloride	328.3	mg/L	
HCCD-09	WW_105	2001-03-12		Chloride	273	mg/L	
HCCD-09	WW_105	2003-03-10		Chloride	218.7	mg/L	
HCCD-09	WW_105	2004-11-08		Chloride	139.7	mg/L	
HCCD-09	WW_105	2003-08-11		Chloride	131.2	mg/L	
HCCD-09	WW_105	2002-10-14		Chloride	110.4	mg/L	
HCCD-09	WW_105	2004-12-13		Chloride	208.6	mg/L	
HCCD-09	WW_105	2004-10-11		Chloride	113.2	mg/L	
HCCD-09	WW_105	2005-03-14		Chloride	434.6	mg/L	
HCCD-09	WW_105	2002-09-09		Chloride	103	mg/L	
HCCD-09	WW_105	2002-11-12		Chloride	103.8	mg/L	
HCCD-09	WW_105	2001-04-09		Chloride	303	mg/L	
HCCD-09	WW_105	2005-09-12		Chloride	112.5	mg/L	
HCCD-09	WW_105	2005-05-09		Chloride	217.3	mg/L	
HCCD-09	WW_105	2003-07-14		Chloride	135.9	mg/L	
HCCD-09	WW_105	2002-02-11		Chloride	196	mg/L	
HCCD-09	WW_105	2001-08-13		Chloride	135	mg/L	
HCCD-09	WW_105	2002-01-14		Chloride	129	mg/L	
HCCD-09	WW_105	2001-09-10		Chloride	119	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2004-04-12		Chloride	264	mg/L	
HCCD-09	WW_105	2001-10-08		Chloride	110	mg/L	
HCCD-09	WW_105	2004-06-14		Chloride	131.6	mg/L	
HCCD-09	WW_105	2004-03-08		Chloride	347	mg/L	
HCCD-09	WW_105	2005-02-14		Chloride	357.2	mg/L	
HCCD-09	WW_105	2002-03-11		Chloride	388	mg/L	
HCCD-09	WW_105	2005-07-11		Chloride	224.3	mg/L	
HCCD-09	WW_105	2004-01-12		Chloride	175.2	mg/L	
HCCD-09	WW_105	2004-07-12		Chloride	128.4	mg/L	
HCCD-09	WW_105	2005-01-10		Chloride	255.5	mg/L	
HCCD-09	WW_105	2004-05-10		Chloride	200.1	mg/L	
HCCD-09	WW_105	2003-12-08		Chloride	137.3	mg/L	
HCCD-09	WW_105	2002-04-08		Chloride	257.9	mg/L	
HCCD-09	WW_105	2001-07-09		Chloride	155	mg/L	
HCCD-09	WW_105	2001-11-13		Chloride	95	mg/L	
HCCD-09	WW_105	2001-12-10		Chloride	118	mg/L	
HCCD-09	WW_105	2004-02-09		Chloride	407.7	mg/L	
HCCD-09	WW_105	2005-08-08		Chloride	155.1	mg/L	
HCCD-09	WW_105	2008-09-08		Chloride	109	mg/L	
HCCD-09	WW_105	2007-05-14		Chloride	249.1	mg/L	
HCCD-09	WW_105	2008-03-10		Chloride	480	mg/L	
HCCD-09	WW_105	2007-04-09		Chloride	335.5	mg/L	
HCCD-09	WW_105	2006-11-13		Chloride	123.1	mg/L	
HCCD-09	WW_105	2007-09-10		Chloride	124.6	mg/L	
HCCD-09	WW_105	2008-02-11		Chloride	727.7	mg/L	
HCCD-09	WW_105	2006-08-14		Chloride	138.6	mg/L	
HCCD-09	WW_105	2008-01-14		Chloride	524.7	mg/L	
HCCD-09	WW_105	2008-06-09		Chloride	141	mg/L	
HCCD-09	WW_105	2007-01-08		Chloride	159.8	mg/L	
HCCD-09	WW_105	2008-05-12		Chloride	254	mg/L	
HCCD-09	WW_105	2008-08-11		Chloride	161	mg/L	
HCCD-09	WW_105	2006-12-11		Chloride	158.9	mg/L	
HCCD-09	WW_105	2007-03-12		Chloride	476.4	mg/L	
HCCD-09	WW_105	2006-10-09		Chloride	96	mg/L	
HCCD-09	WW_105	2007-11-13		Chloride	119.7	mg/L	
HCCD-09	WW_105	2007-07-09		Chloride	214.5	mg/L	
HCCD-09	WW_105	2007-08-13		Chloride	123.6	mg/L	
HCCD-09	WW_105	2007-10-08		Chloride	149.1	mg/L	
HCCD-09	WW_105	2007-06-11		Chloride	270.1	mg/L	
HCCD-09	WW_105	2008-04-14		Chloride	266	mg/L	
HCCD-09	WW_105	2006-09-11		Chloride	125.5	mg/L	
HCCD-09	WW_105	2007-12-10		Chloride	284.5	mg/L	
HCCD-09	WW_105	2008-07-14		Chloride	150	mg/L	
HCCD-09	WW_105	2010-04-12		Chloride	236	mg/L	
HCCD-09	WW_105	2009-04-13		Chloride	266	mg/L	
HCCD-09	WW_105	2006-05-08		Chloride	222.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2005-12-12		Chloride	180.1	mg/L	
HCCD-09	WW_105	2009-05-11		Chloride	203	mg/L	
HCCD-09	WW_105	2010-03-08		Chloride	483	mg/L	
HCCD-09	WW_105	2010-06-14		Chloride	177	mg/L	
HCCD-09	WW_105	2009-02-09		Chloride	418	mg/L	
HCCD-09	WW_105	2006-06-12		Chloride	198.9	mg/L	
HCCD-09	WW_105	2005-11-14		Chloride	146.9	mg/L	
HCCD-09	WW_105	2009-03-09		Chloride	247	mg/L	
HCCD-09	WW_105	2010-05-10		Chloride	250	mg/L	
HCCD-09	WW_105	2006-02-14		Chloride	354.9	mg/L	
HCCD-09	WW_105	2006-03-13		Chloride	256.8	mg/L	
HCCD-09	WW_105	2009-11-09		Chloride	132	mg/L	
HCCD-09	WW_105	2009-09-14		Chloride	150	mg/L	
HCCD-09	WW_105	2009-10-12		Chloride	134	mg/L	
HCCD-09	WW_105	2009-08-10		Chloride	140	mg/L	
HCCD-09	WW_105	2006-04-10		Chloride	253.1	mg/L	
HCCD-09	WW_105	2009-06-08		Chloride	147	mg/L	
HCCD-09	WW_105	2010-01-11		Chloride	310	mg/L	
HCCD-09	WW_105	2006-01-09		Chloride	393.2	mg/L	
HCCD-09	WW_105	2010-02-08		Chloride	250	mg/L	
HCCD-09	WW_105	2009-12-14		Chloride	210	mg/L	
HCCD-09	WW_105	2009-07-13		Chloride	173	mg/L	
HCCD-09	WW_105	2005-10-10		Chloride	217.4	mg/L	
HCCD-09	WW_105	2006-07-10		Chloride	160.2	mg/L	
HCCD-09	WW_105	2010-08-09		Chloride	130	mg/L	
HCCD-09	WW_105	2010-09-13		Chloride	136	mg/L	
HCCD-09	WW_105	2009-01-12		Chloride	270	mg/L	
HCCD-09	WW_105	2010-07-12		Chloride	153	mg/L	
HCCD-09	WW_105	2008-12-08		Chloride	201	mg/L	
HCCD-09	WW_105	2008-10-13		Chloride	146	mg/L	
HCCD-09	WW_105	2008-11-10		Chloride	134	mg/L	
RHJ	RHJ-1	2003-05-08	10:38	Chloride	310	mg/L	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Chloride	310	mg/L	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Chloride	162	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Chloride	180	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Chloride	87.2	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Chloride	127	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Chloride	170	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Chloride	527	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Chloride	527	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Chloride	208	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Chloride	134	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Chloride	290	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Chloride	188	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Chloride	144	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Chloride	256	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2003-05-08	13:34	Chloride	336	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Chloride	186	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Chloride	121	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Chloride	215	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Chloride	88.2	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Chloride	336	mg/L	1 ft
UHH	UHH-1	2002-05-14		Chloride	197	mg/L	3
UHH	UHH-1	2002-06-18		Chloride	240	mg/L	3
UHH	UHH-1	2002-07-23		Chloride	262	mg/L	3
UHH	UHH-1	2002-08-20		Chloride	NA	mg/L	3
UHH	UHH-1	2002-09-17		Chloride	NA	mg/L	3
UHH	UHH-2	2002-05-14		Chloride	296	mg/L	3
UHH	UHH-2	2002-06-18		Chloride	278	mg/L	3
UHH	UHH-2	2002-07-23		Chloride	262	mg/L	3
UHH	UHH-2	2002-08-20		Chloride	NA	mg/L	3
UHH	UHH-2	2002-09-17		Chloride	NA	mg/L	3
HCC-07	HCC-07	2002-05-20	13:30	Chlorophyll (a+b+c)	450	no data	
HCC-07	HCC-07	2002-10-29	11:50	Chlorophyll (a+b+c)	500	no data	
HCC-07	HCC-07	2002-09-17	12:00	Chlorophyll (a+b+c)	600	no data	
HCC-07	HCC-07	2002-12-12	11:00	Chlorophyll (a+b+c)	400	no data	
HCC-07	HCC-07	2001-09-17	12:55	Chlorophyll (a+b+c)	350	no data	
HCC-07	HCC-07	2001-11-08	12:00	Chlorophyll (a+b+c)	230	no data	
HCC-07	HCC-07	2001-12-19	13:00	Chlorophyll (a+b+c)	350	no data	
HCC-07	HCC-07	2002-04-03	15:30	Chlorophyll (a+b+c)	500	no data	
HCC-07	HCC-07	2002-07-30	10:15	Chlorophyll (a+b+c)	400	no data	
HCC-07	HCC-07	2002-07-01	13:30	Chlorophyll (a+b+c)	500	no data	
HCC-07	HCC-07	2002-01-30	13:30	Chlorophyll (a+b+c)	450	no data	
HCCB-05	HCCB-05	2001-09-18	11:05	Chlorophyll (a+b+c)	360	no data	
HCCB-05	HCCB-05	2001-07-02	10:15	Chlorophyll (a+b+c)	400	no data	
HCCC-02	HCCC-02	2002-01-30	12:15	Chlorophyll (a+b+c)	300	no data	
HCCC-02	HCCC-02	2002-07-30	11:30	Chlorophyll (a+b+c)	600	no data	
HCCC-02	HCCC-02	2002-09-17	10:15	Chlorophyll (a+b+c)	600	no data	
HCCC-02	HCCC-02	2002-07-01	12:00	Chlorophyll (a+b+c)	600	no data	
HCCC-02	HCCC-02	2002-10-29	10:30	Chlorophyll (a+b+c)	500	no data	
HCCC-02	HCCC-02	2002-05-20	12:15	Chlorophyll (a+b+c)	500	no data	
HCCC-02	HCCC-02	2001-12-19	11:30	Chlorophyll (a+b+c)	450	no data	
HCCC-02	HCCC-02	2002-03-22	12:00	Chlorophyll (a+b+c)	450	no data	
HCCC-02	HCCC-02	2001-11-08	10:45	Chlorophyll (a+b+c)	360	no data	
HCCC-02	HCCC-02	2002-12-27	10:00	Chlorophyll (a+b+c)	600	no data	
HCCC-02	HCCC-02	2001-09-18	12:50	Chlorophyll (a+b+c)	400	no data	
HCCC-04	HCCC-04	2001-08-01	14:15	Chlorophyll (a+b+c)	300	no data	
HCCC-04	HCCC-04	2001-07-02	12:15	Chlorophyll (a+b+c)	400	no data	
HCCC-04	HCCC-04	2001-09-27	12:35	Chlorophyll (a+b+c)	500	no data	
HCCD-09	HCCD-09	2001-08-01	10:10	Chlorophyll (a+b+c)	350	no data	
HCCD-09	HCCD-09	2001-09-27	13:50	Chlorophyll (a+b+c)	550	no data	
HCCD-09	HCCD-09	2001-07-02	11:15	Chlorophyll (a+b+c)	400	no data	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll (a+b+c)	300	ug/l	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll (a+b+c)	200	ug/l	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll (a+b+c)	650	ug/l	6 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll (a+b+c)	150	ug/l	2 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll (a+b+c)	200	ug/l	6 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll (a+b+c)	200	ug/l	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll (a+b+c)	200	ug/l	6 ft
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll (a+b+c)	300	ug/l	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll (a+b+c)	650	ug/l	6 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Chlorophyll (a+b+c)	600	ug/l	18 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll (a+b+c)	150	ug/l	2 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll (a+b+c)	250	ug/l	9 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll (a+b+c)	300	ug/l	4 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll (a+b+c)	500	ug/l	6.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll (a+b+c)	282	ug/l	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll (a+b+c)	200	ug/l	3.5 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll (a+b+c)	200	ug/l	4 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll (a+b+c)	200	ug/l	6 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll (a+b+c)	200	ug/l	3.5 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll (a+b+c)	200	ug/l	4 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll (a+b+c)	200	ug/l	6 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll (a+b+c)	200	ug/l	3 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll (a+b+c)	282	ug/l	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll (a+b+c)	500	ug/l	6.5 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll (a+b+c)	300	ug/l	4 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll (a+b+c)	250	ug/l	9 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll (a+b+c)	250	ug/l	4 ft
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll (a+b+c)	290	ug/l	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll (a+b+c)	450	ug/l	9 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll (a+b+c)	300	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll (a+b+c)	350	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll (a+b+c)	350	ug/l	3 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll (a+b+c)	450	ug/l	9 ft
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll (a+b+c)	290	ug/l	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll (a+b+c)	250	ug/l	4 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll (a+b+c)	300	ug/l	3 ft
UHH	UHH-1	2002-05-14		Chlorophyll a	0	ug/L	3
UHH	UHH-1	2002-06-18		Chlorophyll a	0	ug/L	3
UHH	UHH-1	2002-07-23		Chlorophyll a	0	ug/L	3
UHH	UHH-1	2002-08-20		Chlorophyll a	0	ug/L	3
UHH	UHH-1	2002-09-17		Chlorophyll a	0	ug/L	3
UHH	UHH-2	2002-05-14		Chlorophyll a	0	ug/L	3
UHH	UHH-2	2002-06-18		Chlorophyll a	0	ug/L	3
UHH	UHH-2	2002-07-23		Chlorophyll a	0	ug/L	3
UHH	UHH-2	2002-08-20		Chlorophyll a	0	ug/L	3
UHH	UHH-2	2002-09-17		Chlorophyll a	0	ug/L	3
HCC-07	HCC-07	2002-10-29	11:50	Chlorophyll a, corrected	6.26	ug/l	
HCC-07	HCC-07	2002-05-20	13:30	Chlorophyll a, corrected	22.1	ug/l	
HCC-07	HCC-07	2003-08-21	12:30	Chlorophyll a, corrected	4.54	ug/l	
HCC-07	HCC-07	2004-05-13	12:45	Chlorophyll a, corrected	17.5	ug/l	1 ft
HCC-07	HCC-07	2004-04-12	13:30	Chlorophyll a, corrected	16.5	ug/l	1 ft
HCC-07	HCC-07	2002-09-17	12:00	Chlorophyll a, corrected	6.81	ug/l	
HCC-07	HCC-07	2003-09-23	12:30	Chlorophyll a, corrected	8.8	ug/l	
HCC-07	HCC-07	2003-12-22	12:45	Chlorophyll a, corrected	6.29	ug/l	
HCC-07	HCC-07	2003-11-06	12:15	Chlorophyll a, corrected	13.2	ug/l	
HCC-07	HCC-07	2004-03-10	13:15	Chlorophyll a, corrected	9.56	ug/l	1 ft
HCC-07	HCC-07	2002-12-12	11:00	Chlorophyll a, corrected	7.41	ug/l	
HCC-07	HCC-07	2001-09-17	12:55	Chlorophyll a, corrected	6.21	ug/l	
HCC-07	HCC-07	2001-12-19	13:00	Chlorophyll a, corrected	7.55	ug/l	
HCC-07	HCC-07	2001-11-08	12:00	Chlorophyll a, corrected	5.37	ug/l	
HCC-07	HCC-07	2002-04-03	15:30	Chlorophyll a, corrected	12.6	ug/l	
HCC-07	HCC-07	2006-07-25	9:00	Chlorophyll a, corrected	9.43	ug/l	
HCC-07	HCC-07	2006-09-07	12:50	Chlorophyll a, corrected	12.4	ug/l	
HCC-07	HCC-07	2006-09-18	8:20	Chlorophyll a, corrected	12.5	ug/l	
HCC-07	HCC-07	2002-01-30	13:30	Chlorophyll a, corrected	13.8	ug/l	
HCC-07	HCC-07	2002-07-01	13:30	Chlorophyll a, corrected	10.9	ug/l	
HCC-07	HCC-07	2002-07-30	10:15	Chlorophyll a, corrected	35.8	ug/l	
HCC-07	HCC-07	2006-07-19	9:30	Chlorophyll a, corrected	7.23	ug/l	
HCC-07	HCC-07	2006-07-11	9:33	Chlorophyll a, corrected	14.5	ug/l	
HCC-07	HCC-07	2003-04-30	13:20	Chlorophyll a, corrected	91.1	ug/l	
HCC-07	HCC-07	2005-04-05	12:40	Chlorophyll a, corrected	20.8	ug/l	1 ft
HCC-07	HCC-07	2003-06-04	13:15	Chlorophyll a, corrected	9.81	ug/l	
HCC-07	HCC-07	2005-06-06	12:45	Chlorophyll a, corrected	8.5	ug/l	0.75 ft
HCC-07	HCC-07	2003-07-16	13:20	Chlorophyll a, corrected	14.3	ug/l	
HCC-07	HCC-07	2003-03-20	12:30	Chlorophyll a, corrected	34	ug/l	
HCC-07	HCC-07	2005-03-03	11:15	Chlorophyll a, corrected	17	ug/l	1 ft
HCC-07	HCC-07	2003-01-30	13:00	Chlorophyll a, corrected	6.14	ug/l	
HCC-07	WW_34	2011-08-08		Chlorophyll a, corrected	12.2	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-03-12		Chlorophyll a, corrected	8.6	ug/l	
HCC-07	WW_34	2011-06-13		Chlorophyll a, corrected	2.7	ug/l	
HCC-07	WW_34	2011-07-11		Chlorophyll a, corrected	47.8	ug/l	
HCC-07	WW_34	2012-05-14		Chlorophyll a, corrected	2.1	ug/l	
HCC-07	WW_34	2011-01-10		Chlorophyll a, corrected	2	ug/l	
HCC-07	WW_34	2011-04-11		Chlorophyll a, corrected	21.8	ug/l	
HCC-07	WW_34	2012-04-09		Chlorophyll a, corrected	60.6	ug/l	
HCC-07	WW_34	2011-10-10		Chlorophyll a, corrected	2.5	ug/l	
HCC-07	WW_34	2011-11-14		Chlorophyll a, corrected	13.4	ug/l	
HCC-07	WW_34	2011-09-12		Chlorophyll a, corrected	2.1	ug/l	
HCC-07	WW_34	2012-02-14		Chlorophyll a, corrected	17	ug/l	
HCC-07	WW_34	2011-12-12		Chlorophyll a, corrected	7.5	ug/l	
HCC-07	WW_34	2012-06-11		Chlorophyll a, corrected	1.2	ug/l	
HCC-07	WW_34	2012-01-17		Chlorophyll a, corrected	24	ug/l	
HCC-07	WW_34	2012-07-16		Chlorophyll a, corrected	0.6	ug/l	
HCC-07	WW_34	2011-05-09		Chlorophyll a, corrected	11.5	ug/l	
HCC-07	WW_34	2011-03-14		Chlorophyll a, corrected	11.1	ug/l	
HCC-07	WW_34	2004-08-09		Chlorophyll a, corrected	7.8	ug/l	
HCC-07	WW_34	2005-09-12		Chlorophyll a, corrected	10.9	ug/l	
HCC-07	WW_34	2005-04-11		Chlorophyll a, corrected	42	ug/l	
HCC-07	WW_34	2004-11-08		Chlorophyll a, corrected	22.9	ug/l	
HCC-07	WW_34	2004-07-12		Chlorophyll a, corrected	20.7	ug/l	
HCC-07	WW_34	2005-08-08		Chlorophyll a, corrected	96	ug/l	
HCC-07	WW_34	2005-02-14		Chlorophyll a, corrected	3.3	ug/l	
HCC-07	WW_34	2005-06-13		Chlorophyll a, corrected	4.2	ug/l	
HCC-07	WW_34	2004-12-13		Chlorophyll a, corrected	8.7	ug/l	
HCC-07	WW_34	2004-10-11		Chlorophyll a, corrected	18.3	ug/l	
HCC-07	WW_34	2004-09-13		Chlorophyll a, corrected	2.9	ug/l	
HCC-07	WW_34	2005-05-09		Chlorophyll a, corrected	19.3	ug/l	
HCC-07	WW_34	2005-01-10		Chlorophyll a, corrected	12	ug/l	
HCC-07	WW_34	2005-03-14		Chlorophyll a, corrected	22.5	ug/l	
HCC-07	WW_34	2005-07-11		Chlorophyll a, corrected	33.3	ug/l	
HCC-07	WW_34	2004-06-14		Chlorophyll a, corrected	15.5	ug/l	
HCC-07	WW_34	2006-02-14		Chlorophyll a, corrected	25.2	ug/l	
HCC-07	WW_34	2006-11-13		Chlorophyll a, corrected	23.3	ug/l	
HCC-07	WW_34	2006-07-10		Chlorophyll a, corrected	8.8	ug/l	
HCC-07	WW_34	2006-04-10		Chlorophyll a, corrected	44.3	ug/l	
HCC-07	WW_34	2006-10-09		Chlorophyll a, corrected	10.3	ug/l	
HCC-07	WW_34	2006-05-08		Chlorophyll a, corrected	20.1	ug/l	
HCC-07	WW_34	2007-01-08		Chlorophyll a, corrected	6.2	ug/l	
HCC-07	WW_34	2005-11-14		Chlorophyll a, corrected	19.2	ug/l	
HCC-07	WW_34	2006-09-11		Chlorophyll a, corrected	9	ug/l	
HCC-07	WW_34	2007-03-12		Chlorophyll a, corrected	7.7	ug/l	
HCC-07	WW_34	2005-10-10		Chlorophyll a, corrected	3.7	ug/l	
HCC-07	WW_34	2006-12-11		Chlorophyll a, corrected	11.7	ug/l	
HCC-07	WW_34	2006-03-13		Chlorophyll a, corrected	22.9	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-08-14		Chlorophyll a, corrected	3.5	ug/l	
HCC-07	WW_34	2006-06-12		Chlorophyll a, corrected	10.5	ug/l	
HCC-07	WW_34	2006-01-09		Chlorophyll a, corrected	10.5	ug/l	
HCC-07	WW_34	2008-10-13		Chlorophyll a, corrected	1.5	ug/l	
HCC-07	WW_34	2009-08-10		Chlorophyll a, corrected	2.1	ug/l	
HCC-07	WW_34	2007-10-08		Chlorophyll a, corrected	2	ug/l	
HCC-07	WW_34	2009-07-13		Chlorophyll a, corrected	3.5	ug/l	
HCC-07	WW_34	2009-10-12		Chlorophyll a, corrected	6.6	ug/l	
HCC-07	WW_34	2008-09-08		Chlorophyll a, corrected	19.9	ug/l	
HCC-07	WW_34	2008-04-14		Chlorophyll a, corrected	16.4	ug/l	
HCC-07	WW_34	2007-09-10		Chlorophyll a, corrected	2	ug/l	
HCC-07	WW_34	2009-09-14		Chlorophyll a, corrected	4.2	ug/l	
HCC-07	WW_34	2009-04-13		Chlorophyll a, corrected	13.5	ug/l	
HCC-07	WW_34	2009-02-09		Chlorophyll a, corrected	3.5	ug/l	
HCC-07	WW_34	2009-01-12		Chlorophyll a, corrected	2.1	ug/l	
HCC-07	WW_34	2008-01-14		Chlorophyll a, corrected	7.8	ug/l	
HCC-07	WW_34	2009-03-09		Chlorophyll a, corrected	7	ug/l	
HCC-07	WW_34	2008-03-10		Chlorophyll a, corrected	5.4	ug/l	
HCC-07	WW_34	2009-06-08		Chlorophyll a, corrected	6	ug/l	
HCC-07	WW_34	2007-11-13		Chlorophyll a, corrected	1.9	ug/l	
HCC-07	WW_34	2008-11-10		Chlorophyll a, corrected	2	ug/l	
HCC-07	WW_34	2007-12-10		Chlorophyll a, corrected	21.7	ug/l	
HCC-07	WW_34	2008-12-08		Chlorophyll a, corrected	12.3	ug/l	
HCC-07	WW_34	2009-05-11		Chlorophyll a, corrected	8.2	ug/l	
HCC-07	WW_34	2008-05-12		Chlorophyll a, corrected	11.3	ug/l	
HCC-07	WW_34	2010-06-14		Chlorophyll a, corrected	2.9	ug/l	
HCC-07	WW_34	2010-05-10		Chlorophyll a, corrected	6.4	ug/l	
HCC-07	WW_34	2007-06-11		Chlorophyll a, corrected	6.3	ug/l	
HCC-07	WW_34	2008-08-11		Chlorophyll a, corrected	2.9	ug/l	
HCC-07	WW_34	2010-08-09		Chlorophyll a, corrected	1.7	ug/l	
HCC-07	WW_34	2008-06-09		Chlorophyll a, corrected	8.5	ug/l	
HCC-07	WW_34	2007-04-09		Chlorophyll a, corrected	32.2	ug/l	
HCC-07	WW_34	2010-07-12		Chlorophyll a, corrected	9.7	ug/l	
HCC-07	WW_34	2007-05-14		Chlorophyll a, corrected	16.2	ug/l	
HCC-07	WW_34	2008-07-14		Chlorophyll a, corrected	8.2	ug/l	
HCC-07	WW_34	2010-02-08		Chlorophyll a, corrected	10	ug/l	
HCC-07	WW_34	2010-03-08		Chlorophyll a, corrected	16.2	ug/l	
HCC-07	WW_34	2007-07-09		Chlorophyll a, corrected	2.3	ug/l	
HCC-07	WW_34	2010-01-11		Chlorophyll a, corrected	0.3	ug/l	
HCC-07	WW_34	2009-11-09		Chlorophyll a, corrected	1.8	ug/l	
HCC-07	WW_34	2007-08-13		Chlorophyll a, corrected	8.6	ug/l	
HCC-07	WW_34	2009-12-14		Chlorophyll a, corrected	8.3	ug/l	
HCC-07	WW_34	2010-04-12		Chlorophyll a, corrected	14.6	ug/l	
HCC-07	WW_34	2003-03-10		Chlorophyll a, corrected	13.4	ug/l	
HCC-07	WW_34	2003-11-10		Chlorophyll a, corrected	7.7	ug/l	
HCC-07	WW_34	2003-01-13		Chlorophyll a, corrected	14.1	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2002-05-13		Chlorophyll a, corrected	16.9	ug/l	
HCC-07	WW_34	2004-02-09		Chlorophyll a, corrected	5.3	ug/l	
HCC-07	WW_34	2003-12-08		Chlorophyll a, corrected	10	ug/l	
HCC-07	WW_34	2003-05-12		Chlorophyll a, corrected	29.3	ug/l	
HCC-07	WW_34	2002-03-11		Chlorophyll a, corrected	21.7	ug/l	
HCC-07	WW_34	2002-02-11		Chlorophyll a, corrected	27.7	ug/l	
HCC-07	WW_34	2003-04-14		Chlorophyll a, corrected	39.2	ug/l	
HCC-07	WW_34	2004-01-12		Chlorophyll a, corrected	7.3	ug/l	
HCC-07	WW_34	2002-01-14		Chlorophyll a, corrected	11.5	ug/l	
HCC-07	WW_34	2002-04-08		Chlorophyll a, corrected	23.8	ug/l	
HCC-07	WW_34	2004-05-10		Chlorophyll a, corrected	22.6	ug/l	
HCC-07	WW_34	2002-08-12		Chlorophyll a, corrected	6	ug/l	
HCC-07	WW_34	2003-09-08		Chlorophyll a, corrected	3.5	ug/l	
HCC-07	WW_34	2002-11-12		Chlorophyll a, corrected	9.5	ug/l	
HCC-07	WW_34	2002-09-09		Chlorophyll a, corrected	16.1	ug/l	
HCC-07	WW_34	2004-04-12		Chlorophyll a, corrected	39.1	ug/l	
HCC-07	WW_34	2003-08-11		Chlorophyll a, corrected	9.7	ug/l	
HCC-07	WW_34	2003-07-14		Chlorophyll a, corrected	26.2	ug/l	
HCC-07	WW_34	2002-10-14		Chlorophyll a, corrected	15.2	ug/l	
HCC-07	WW_34	2002-12-09		Chlorophyll a, corrected	7.9	ug/l	
HCC-07	WW_34	2003-06-09		Chlorophyll a, corrected	16.5	ug/l	
HCC-07	WW_34	2004-03-08		Chlorophyll a, corrected	18.6	ug/l	
HCC-07	WW_34	2003-10-13		Chlorophyll a, corrected	13.8	ug/l	
HCC-07	WW_34	2002-06-10		Chlorophyll a, corrected	26.7	ug/l	
HCC-07	WW_34	2002-07-08		Chlorophyll a, corrected	11.7	ug/l	
HCC-07	WW_96	2014-05-12		Chlorophyll a, corrected	39.8	ug/l	
HCC-07	WW_96	2010-11-08		Chlorophyll a, corrected	1.2	ug/l	
HCC-07	WW_96	2014-03-10		Chlorophyll a, corrected	5.9	ug/l	
HCC-07	WW_96	2012-03-12		Chlorophyll a, corrected	9.2	ug/l	
HCC-07	WW_96	2011-08-08		Chlorophyll a, corrected	7.9	ug/l	
HCC-07	WW_96	2014-04-14		Chlorophyll a, corrected	63.4	ug/l	
HCC-07	WW_96	2011-12-12		Chlorophyll a, corrected	6.4	ug/l	
HCC-07	WW_96	2014-10-13		Chlorophyll a, corrected	3	ug/l	
HCC-07	WW_96	2014-09-15		Chlorophyll a, corrected	2.3	ug/l	
HCC-07	WW_96	2011-10-10		Chlorophyll a, corrected	1.6	ug/l	
HCC-07	WW_96	2014-12-08		Chlorophyll a, corrected	17	ug/l	
HCC-07	WW_96	2011-11-14		Chlorophyll a, corrected	12.8	ug/l	
HCC-07	WW_96	2014-11-10		Chlorophyll a, corrected	1.7	ug/l	
HCC-07	WW_96	2014-07-14		Chlorophyll a, corrected	2.9	ug/l	
HCC-07	WW_96	2014-06-09		Chlorophyll a, corrected	3.4	ug/l	
HCC-07	WW_96	2011-09-12		Chlorophyll a, corrected	8.5	ug/l	
HCC-07	WW_96	2012-02-14		Chlorophyll a, corrected	12.6	ug/l	
HCC-07	WW_96	2010-10-11		Chlorophyll a, corrected	3	ug/l	
HCC-07	WW_96	2014-08-11		Chlorophyll a, corrected	9.5	ug/l	
HCC-07	WW_96	2012-01-17		Chlorophyll a, corrected	28.2	ug/l	
HCC-07	WW_96	2013-04-08		Chlorophyll a, corrected	33.9	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2012-08-13		Chlorophyll a, corrected	31.6	ug/l	
HCC-07	WW_96	2011-03-14		Chlorophyll a, corrected	12.5	ug/l	
HCC-07	WW_96	2013-03-11		Chlorophyll a, corrected	6.3	ug/l	
HCC-07	WW_96	2012-07-16		Chlorophyll a, corrected	1.6	ug/l	
HCC-07	WW_96	2011-05-09		Chlorophyll a, corrected	13.1	ug/l	
HCC-07	WW_96	2013-06-10		Chlorophyll a, corrected	16.9	ug/l	
HCC-07	WW_96	2013-05-13		Chlorophyll a, corrected	10.5	ug/l	
HCC-07	WW_96	2012-12-10		Chlorophyll a, corrected	7.7	ug/l	
HCC-07	WW_96	2011-04-11		Chlorophyll a, corrected	23.2	ug/l	
HCC-07	WW_96	2013-01-14		Chlorophyll a, corrected	9.1	ug/l	
HCC-07	WW_96	2012-11-13		Chlorophyll a, corrected	5.8	ug/l	
HCC-07	WW_96	2013-02-11		Chlorophyll a, corrected	7.9	ug/l	
HCC-07	WW_96	2012-09-10		Chlorophyll a, corrected	3.1	ug/l	
HCC-07	WW_96	2012-10-08		Chlorophyll a, corrected	0.5	ug/l	
HCC-07	WW_96	2012-05-14		Chlorophyll a, corrected	2	ug/l	
HCC-07	WW_96	2013-11-12		Chlorophyll a, corrected	13.4	ug/l	
HCC-07	WW_96	2014-01-13		Chlorophyll a, corrected	7.8	ug/l	
HCC-07	WW_96	2010-12-13		Chlorophyll a, corrected	4.9	ug/l	
HCC-07	WW_96	2013-12-09		Chlorophyll a, corrected	3.8	ug/l	
HCC-07	WW_96	2011-07-11		Chlorophyll a, corrected	13.8	ug/l	
HCC-07	WW_96	2012-04-09		Chlorophyll a, corrected	4.3	ug/l	
HCC-07	WW_96	2013-07-15		Chlorophyll a, corrected	2.8	ug/l	
HCC-07	WW_96	2012-06-11		Chlorophyll a, corrected	2.1	ug/l	
HCC-07	WW_96	2013-08-12		Chlorophyll a, corrected	7.3	ug/l	
HCC-07	WW_96	2013-10-14		Chlorophyll a, corrected	3	ug/l	
HCC-07	WW_96	2011-01-10		Chlorophyll a, corrected	2.7	ug/l	
HCC-07	WW_96	2013-09-16		Chlorophyll a, corrected	15.7	ug/l	
HCC-07	WW_96	2011-06-13		Chlorophyll a, corrected	2.3	ug/l	
HCC-07	WW_96	2005-05-09		Chlorophyll a, corrected	92.7	ug/l	
HCC-07	WW_96	2005-09-12		Chlorophyll a, corrected	7.4	ug/l	
HCC-07	WW_96	2005-04-11		Chlorophyll a, corrected	23.1	ug/l	
HCC-07	WW_96	2004-11-08		Chlorophyll a, corrected	15.4	ug/l	
HCC-07	WW_96	2004-10-11		Chlorophyll a, corrected	12.4	ug/l	
HCC-07	WW_96	2005-03-14		Chlorophyll a, corrected	21.3	ug/l	
HCC-07	WW_96	2005-08-08		Chlorophyll a, corrected	156.6	ug/l	
HCC-07	WW_96	2004-07-12		Chlorophyll a, corrected	56.8	ug/l	
HCC-07	WW_96	2004-06-14		Chlorophyll a, corrected	21.3	ug/l	
HCC-07	WW_96	2005-01-10		Chlorophyll a, corrected	11.7	ug/l	
HCC-07	WW_96	2005-07-11		Chlorophyll a, corrected	38.2	ug/l	
HCC-07	WW_96	2004-09-13		Chlorophyll a, corrected	2.3	ug/l	
HCC-07	WW_96	2004-12-13		Chlorophyll a, corrected	9	ug/l	
HCC-07	WW_96	2005-06-13		Chlorophyll a, corrected	10.6	ug/l	
HCC-07	WW_96	2004-08-09		Chlorophyll a, corrected	10.6	ug/l	
HCC-07	WW_96	2005-02-14		Chlorophyll a, corrected	5.8	ug/l	
HCC-07	WW_96	2010-08-09		Chlorophyll a, corrected	2.4	ug/l	
HCC-07	WW_96	2008-04-14		Chlorophyll a, corrected	14.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2010-04-12		Chlorophyll a, corrected	19.6	ug/l	
HCC-07	WW_96	2008-09-08		Chlorophyll a, corrected	16	ug/l	
HCC-07	WW_96	2007-07-09		Chlorophyll a, corrected	3.3	ug/l	
HCC-07	WW_96	2010-09-13		Chlorophyll a, corrected	5.3	ug/l	
HCC-07	WW_96	2008-10-13		Chlorophyll a, corrected	4.5	ug/l	
HCC-07	WW_96	2010-02-08		Chlorophyll a, corrected	6.4	ug/l	
HCC-07	WW_96	2006-09-11		Chlorophyll a, corrected	10.5	ug/l	
HCC-07	WW_96	2008-06-09		Chlorophyll a, corrected	8.2	ug/l	
HCC-07	WW_96	2006-10-09		Chlorophyll a, corrected	10.8	ug/l	
HCC-07	WW_96	2007-04-09		Chlorophyll a, corrected	30.9	ug/l	
HCC-07	WW_96	2010-03-08		Chlorophyll a, corrected	40.3	ug/l	
HCC-07	WW_96	2008-07-14		Chlorophyll a, corrected	4.3	ug/l	
HCC-07	WW_96	2010-06-14		Chlorophyll a, corrected	2.5	ug/l	
HCC-07	WW_96	2008-08-11		Chlorophyll a, corrected	1.6	ug/l	
HCC-07	WW_96	2007-03-12		Chlorophyll a, corrected	6.4	ug/l	
HCC-07	WW_96	2007-05-14		Chlorophyll a, corrected	16.2	ug/l	
HCC-07	WW_96	2010-07-12		Chlorophyll a, corrected	4.3	ug/l	
HCC-07	WW_96	2008-05-12		Chlorophyll a, corrected	14.3	ug/l	
HCC-07	WW_96	2005-10-10		Chlorophyll a, corrected	2.8	ug/l	
HCC-07	WW_96	2005-11-14		Chlorophyll a, corrected	21.5	ug/l	
HCC-07	WW_96	2007-06-11		Chlorophyll a, corrected	3.9	ug/l	
HCC-07	WW_96	2010-05-10		Chlorophyll a, corrected	6.4	ug/l	
HCC-07	WW_96	2006-08-14		Chlorophyll a, corrected	3.4	ug/l	
HCC-07	WW_96	2009-02-09		Chlorophyll a, corrected	3.6	ug/l	
HCC-07	WW_96	2006-03-13		Chlorophyll a, corrected	25.4	ug/l	
HCC-07	WW_96	2009-06-08		Chlorophyll a, corrected	24.3	ug/l	
HCC-07	WW_96	2006-12-11		Chlorophyll a, corrected	9.9	ug/l	
HCC-07	WW_96	2008-02-11		Chlorophyll a, corrected	5	ug/l	
HCC-07	WW_96	2009-07-13		Chlorophyll a, corrected	2.3	ug/l	
HCC-07	WW_96	2007-10-08		Chlorophyll a, corrected	1.9	ug/l	
HCC-07	WW_96	2009-04-13		Chlorophyll a, corrected	15.8	ug/l	
HCC-07	WW_96	2007-12-10		Chlorophyll a, corrected	20.8	ug/l	
HCC-07	WW_96	2006-11-13		Chlorophyll a, corrected	21.3	ug/l	
HCC-07	WW_96	2006-05-08		Chlorophyll a, corrected	13.7	ug/l	
HCC-07	WW_96	2008-01-14		Chlorophyll a, corrected	7	ug/l	
HCC-07	WW_96	2009-05-11		Chlorophyll a, corrected	6.3	ug/l	
HCC-07	WW_96	2006-04-10		Chlorophyll a, corrected	48.9	ug/l	
HCC-07	WW_96	2009-03-09		Chlorophyll a, corrected	3.2	ug/l	
HCC-07	WW_96	2007-11-13		Chlorophyll a, corrected	3.1	ug/l	
HCC-07	WW_96	2006-01-09		Chlorophyll a, corrected	8.5	ug/l	
HCC-07	WW_96	2008-03-10		Chlorophyll a, corrected	6	ug/l	
HCC-07	WW_96	2008-11-10		Chlorophyll a, corrected	1.3	ug/l	
HCC-07	WW_96	2007-08-13		Chlorophyll a, corrected	6	ug/l	
HCC-07	WW_96	2009-11-09		Chlorophyll a, corrected	1.8	ug/l	
HCC-07	WW_96	2006-07-10		Chlorophyll a, corrected	5.3	ug/l	
HCC-07	WW_96	2009-12-14		Chlorophyll a, corrected	7.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2007-09-10		Chlorophyll a, corrected	2.6	ug/l	
HCC-07	WW_96	2009-09-14		Chlorophyll a, corrected	4.4	ug/l	
HCC-07	WW_96	2006-06-12		Chlorophyll a, corrected	4.3	ug/l	
HCC-07	WW_96	2009-08-10		Chlorophyll a, corrected	4.7	ug/l	
HCC-07	WW_96	2009-01-12		Chlorophyll a, corrected	1.2	ug/l	
HCC-07	WW_96	2009-10-12		Chlorophyll a, corrected	9.8	ug/l	
HCC-07	WW_96	2008-12-08		Chlorophyll a, corrected	10.1	ug/l	
HCC-07	WW_96	2007-01-08		Chlorophyll a, corrected	3.9	ug/l	
HCC-07	WW_96	2006-02-14		Chlorophyll a, corrected	6	ug/l	
HCC-07	WW_96	2003-04-14		Chlorophyll a, corrected	56.1	ug/l	
HCC-07	WW_96	2003-08-11		Chlorophyll a, corrected	3.8	ug/l	
HCC-07	WW_96	2002-09-09		Chlorophyll a, corrected	8.6	ug/l	
HCC-07	WW_96	2002-11-12		Chlorophyll a, corrected	4.3	ug/l	
HCC-07	WW_96	2003-06-09		Chlorophyll a, corrected	30.1	ug/l	
HCC-07	WW_96	2002-12-09		Chlorophyll a, corrected	4.8	ug/l	
HCC-07	WW_96	2003-01-13		Chlorophyll a, corrected	10.8	ug/l	
HCC-07	WW_96	2002-10-14		Chlorophyll a, corrected	7.7	ug/l	
HCC-07	WW_96	2003-05-12		Chlorophyll a, corrected	25.7	ug/l	
HCC-07	WW_96	2003-07-14		Chlorophyll a, corrected	18.6	ug/l	
HCC-07	WW_96	2002-01-14		Chlorophyll a, corrected	8.9	ug/l	
HCC-07	WW_96	2004-03-08		Chlorophyll a, corrected	17.3	ug/l	
HCC-07	WW_96	2004-01-12		Chlorophyll a, corrected	3.6	ug/l	
HCC-07	WW_96	2002-02-11		Chlorophyll a, corrected	26.6	ug/l	
HCC-07	WW_96	2004-05-10		Chlorophyll a, corrected	25.9	ug/l	
HCC-07	WW_96	2004-04-12		Chlorophyll a, corrected	61.4	ug/l	
HCC-07	WW_96	2003-10-13		Chlorophyll a, corrected	12.8	ug/l	
HCC-07	WW_96	2002-06-10		Chlorophyll a, corrected	18.9	ug/l	
HCC-07	WW_96	2002-08-12		Chlorophyll a, corrected	3.5	ug/l	
HCC-07	WW_96	2002-07-08		Chlorophyll a, corrected	8.9	ug/l	
HCC-07	WW_96	2003-09-08		Chlorophyll a, corrected	5.3	ug/l	
HCC-07	WW_96	2002-03-11		Chlorophyll a, corrected	21.9	ug/l	
HCC-07	WW_96	2003-12-08		Chlorophyll a, corrected	8.7	ug/l	
HCC-07	WW_96	2002-05-13		Chlorophyll a, corrected	14.7	ug/l	
HCC-07	WW_96	2003-11-10		Chlorophyll a, corrected	9.1	ug/l	
HCCB-05	HCCB-05	2006-07-21	10:55	Chlorophyll a, corrected	21.1	ug/l	
HCCB-05	HCCB-05	2006-07-13	12:45	Chlorophyll a, corrected	6.03	ug/l	
HCCB-05	HCCB-05	2001-09-18	11:05	Chlorophyll a, corrected	10.8	ug/l	
HCCB-05	HCCB-05	2001-07-02	10:15	Chlorophyll a, corrected	4.68	ug/l	
HCCB-05	HCCB-05	2006-09-18	11:10	Chlorophyll a, corrected	6.77	ug/l	
HCCB-05	HCCB-05	2006-09-06	10:05	Chlorophyll a, corrected	14.7	ug/l	
HCCB-05	HCCB-13	2011-08-17	11:55	Chlorophyll a, corrected	1.6	ug/l	
HCCB-05	HCCB-13	2006-06-12	14:50	Chlorophyll a, corrected	4.31	ug/l	
HCCB-05	HCCB-13	2011-09-19	12:30	Chlorophyll a, corrected	6.68	ug/l	
HCCB-05	HCCB-13	2006-07-25	12:00	Chlorophyll a, corrected	5.79	ug/l	
HCCB-05	HCCB-13	2011-06-20	13:15	Chlorophyll a, corrected	2.67	ug/l	
HCCB-05	HCCB-13	2006-09-18	11:25	Chlorophyll a, corrected	6.58	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2012-03-12		Chlorophyll a, corrected	42	ug/l	
HCCB-05	WW_106	2011-11-14		Chlorophyll a, corrected	15.4	ug/l	
HCCB-05	WW_106	2010-10-11		Chlorophyll a, corrected	0.8	ug/l	
HCCB-05	WW_106	2011-08-08		Chlorophyll a, corrected	15.1	ug/l	
HCCB-05	WW_106	2012-01-17		Chlorophyll a, corrected	13.1	ug/l	
HCCB-05	WW_106	2012-02-14		Chlorophyll a, corrected	31	ug/l	
HCCB-05	WW_106	2011-12-12		Chlorophyll a, corrected	12.6	ug/l	
HCCB-05	WW_106	2010-11-08		Chlorophyll a, corrected	3.6	ug/l	
HCCB-05	WW_106	2011-06-13		Chlorophyll a, corrected	5.4	ug/l	
HCCB-05	WW_106	2012-05-14		Chlorophyll a, corrected	6.5	ug/l	
HCCB-05	WW_106	2011-02-14		Chlorophyll a, corrected	5	ug/l	
HCCB-05	WW_106	2011-04-11		Chlorophyll a, corrected	15.6	ug/l	
HCCB-05	WW_106	2011-03-14		Chlorophyll a, corrected	8.4	ug/l	
HCCB-05	WW_106	2012-07-16		Chlorophyll a, corrected	4.7	ug/l	
HCCB-05	WW_106	2011-05-09		Chlorophyll a, corrected	9.4	ug/l	
HCCB-05	WW_106	2010-12-13		Chlorophyll a, corrected	14	ug/l	
HCCB-05	WW_106	2011-07-11		Chlorophyll a, corrected	55.3	ug/l	
HCCB-05	WW_106	2011-01-10		Chlorophyll a, corrected	4.3	ug/l	
HCCB-05	WW_106	2002-02-11		Chlorophyll a, corrected	15.9	ug/l	
HCCB-05	WW_106	2005-03-14		Chlorophyll a, corrected	22.3	ug/l	
HCCB-05	WW_106	2003-07-14		Chlorophyll a, corrected	118.4	ug/l	
HCCB-05	WW_106	2004-06-14		Chlorophyll a, corrected	4.3	ug/l	
HCCB-05	WW_106	2003-05-12		Chlorophyll a, corrected	14.1	ug/l	
HCCB-05	WW_106	2004-04-12		Chlorophyll a, corrected	12.7	ug/l	
HCCB-05	WW_106	2004-05-10		Chlorophyll a, corrected	56.1	ug/l	
HCCB-05	WW_106	2004-11-08		Chlorophyll a, corrected	23.2	ug/l	
HCCB-05	WW_106	2004-10-11		Chlorophyll a, corrected	17	ug/l	
HCCB-05	WW_106	2004-03-08		Chlorophyll a, corrected	10.9	ug/l	
HCCB-05	WW_106	2002-05-13		Chlorophyll a, corrected	11.6	ug/l	
HCCB-05	WW_106	2004-01-12		Chlorophyll a, corrected	86.2	ug/l	
HCCB-05	WW_106	2005-08-08		Chlorophyll a, corrected	15.8	ug/l	
HCCB-05	WW_106	2003-10-13		Chlorophyll a, corrected	11.2	ug/l	
HCCB-05	WW_106	2002-04-08		Chlorophyll a, corrected	11.6	ug/l	
HCCB-05	WW_106	2002-03-11		Chlorophyll a, corrected	9.5	ug/l	
HCCB-05	WW_106	2004-02-09		Chlorophyll a, corrected	22.4	ug/l	
HCCB-05	WW_106	2002-06-10		Chlorophyll a, corrected	5.7	ug/l	
HCCB-05	WW_106	2005-02-14		Chlorophyll a, corrected	4.2	ug/l	
HCCB-05	WW_106	2002-08-12		Chlorophyll a, corrected	3.5	ug/l	
HCCB-05	WW_106	2009-05-11		Chlorophyll a, corrected	10.6	ug/l	
HCCB-05	WW_106	2008-11-10		Chlorophyll a, corrected	44.9	ug/l	
HCCB-05	WW_106	2010-03-08		Chlorophyll a, corrected	8.1	ug/l	
HCCB-05	WW_106	2009-10-12		Chlorophyll a, corrected	10.4	ug/l	
HCCB-05	WW_106	2007-01-08		Chlorophyll a, corrected	7.5	ug/l	
HCCB-05	WW_106	2009-12-14		Chlorophyll a, corrected	8.2	ug/l	
HCCB-05	WW_106	2008-09-08		Chlorophyll a, corrected	15.2	ug/l	
HCCB-05	WW_106	2006-01-09		Chlorophyll a, corrected	4.1	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2010-08-09		Chlorophyll a, corrected	6.2	ug/l	
HCCB-05	WW_106	2009-06-08		Chlorophyll a, corrected	7	ug/l	
HCCB-05	WW_106	2006-12-11		Chlorophyll a, corrected	5.5	ug/l	
HCCB-05	WW_106	2009-11-09		Chlorophyll a, corrected	5.9	ug/l	
HCCB-05	WW_106	2006-03-13		Chlorophyll a, corrected	12.9	ug/l	
HCCB-05	WW_106	2008-10-13		Chlorophyll a, corrected	6.2	ug/l	
HCCB-05	WW_106	2008-03-10		Chlorophyll a, corrected	5.6	ug/l	
HCCB-05	WW_106	2008-04-14		Chlorophyll a, corrected	9.1	ug/l	
HCCB-05	WW_106	2006-10-09		Chlorophyll a, corrected	9.7	ug/l	
HCCB-05	WW_106	2010-02-08		Chlorophyll a, corrected	4.8	ug/l	
HCCB-05	WW_106	2006-09-11		Chlorophyll a, corrected	20.7	ug/l	
HCCB-05	WW_106	2010-05-10		Chlorophyll a, corrected	8.2	ug/l	
HCCB-05	WW_106	2005-11-14		Chlorophyll a, corrected	15.9	ug/l	
HCCB-05	WW_106	2008-12-08		Chlorophyll a, corrected	15.5	ug/l	
HCCB-05	WW_106	2008-07-14		Chlorophyll a, corrected	12.9	ug/l	
HCCB-05	WW_106	2009-01-12		Chlorophyll a, corrected	3.9	ug/l	
HCCB-05	WW_106	2009-02-09		Chlorophyll a, corrected	2.8	ug/l	
HCCB-05	WW_106	2010-09-13		Chlorophyll a, corrected	2.7	ug/l	
HCCB-05	WW_106	2009-09-14		Chlorophyll a, corrected	8.3	ug/l	
HCCB-05	WW_106	2010-04-12		Chlorophyll a, corrected	27.6	ug/l	
HCCB-05	WW_106	2007-03-12		Chlorophyll a, corrected	3.6	ug/l	
HCCB-05	WW_106	2007-12-10		Chlorophyll a, corrected	6.6	ug/l	
HCCB-05	WW_106	2007-08-13		Chlorophyll a, corrected	7.5	ug/l	
HCCB-05	WW_106	2009-04-13		Chlorophyll a, corrected	8.5	ug/l	
HCCB-05	WW_106	2008-05-12		Chlorophyll a, corrected	16	ug/l	
HCCB-05	WW_106	2008-08-11		Chlorophyll a, corrected	20.2	ug/l	
HCCB-05	WW_106	2010-07-12		Chlorophyll a, corrected	5.3	ug/l	
HCCB-05	WW_106	2009-08-10		Chlorophyll a, corrected	8.2	ug/l	
HCCB-05	WW_106	2009-03-09		Chlorophyll a, corrected	5.5	ug/l	
HCCB-05	WW_106	2008-01-14		Chlorophyll a, corrected	4.1	ug/l	
HCCB-05	WW_106	2008-06-09		Chlorophyll a, corrected	9.2	ug/l	
HCCC-02	HCCC-02	2002-01-30	12:15	Chlorophyll a, corrected	11.3	ug/l	
HCCC-02	HCCC-02	2002-07-30	11:30	Chlorophyll a, corrected	1.78	ug/l	
HCCC-02	HCCC-02	2002-09-17	10:15	Chlorophyll a, corrected	2.84	ug/l	
HCCC-02	HCCC-02	2002-07-01	12:00	Chlorophyll a, corrected	1.96	ug/l	
HCCC-02	HCCC-02	2001-12-19	11:30	Chlorophyll a, corrected	7.89	ug/l	
HCCC-02	HCCC-02	2002-10-29	10:30	Chlorophyll a, corrected	1.82	ug/l	
HCCC-02	HCCC-02	2002-12-27	10:00	Chlorophyll a, corrected	5.12	ug/l	
HCCC-02	HCCC-02	2002-05-20	12:15	Chlorophyll a, corrected	3.33	ug/l	
HCCC-02	HCCC-02	2002-03-22	12:00	Chlorophyll a, corrected	5.12	ug/l	
HCCC-02	HCCC-02	2001-11-08	10:45	Chlorophyll a, corrected	2.77	ug/l	
HCCC-02	HCCC-02	2003-06-04	11:30	Chlorophyll a, corrected	7.31	ug/l	
HCCC-02	HCCC-02	2003-07-16	12:15	Chlorophyll a, corrected	36.5	ug/l	
HCCC-02	HCCC-02	2003-09-23	11:30	Chlorophyll a, corrected	11.7	ug/l	
HCCC-02	HCCC-02	2003-08-18	11:00	Chlorophyll a, corrected	1.92	ug/l	
HCCC-02	HCCC-02	2003-04-30	11:45	Chlorophyll a, corrected	11.9	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2005-06-06	11:30	Chlorophyll a, corrected	2.91	ug/l	1 ft
HCCC-02	HCCC-02	2005-04-05	11:45	Chlorophyll a, corrected	16.1	ug/l	1 ft
HCCC-02	HCCC-02	2003-03-10	12:55	Chlorophyll a, corrected	38.4	ug/l	
HCCC-02	HCCC-02	2004-04-12	12:00	Chlorophyll a, corrected	4.11	ug/l	1 ft
HCCC-02	HCCC-02	2003-11-06	10:45	Chlorophyll a, corrected	16.2	ug/l	
HCCC-02	HCCC-02	2003-12-22	10:45	Chlorophyll a, corrected	3.95	ug/l	
HCCC-02	HCCC-02	2004-03-10	12:00	Chlorophyll a, corrected	8.8	ug/l	1 ft
HCCC-02	HCCC-02	2004-05-13	11:30	Chlorophyll a, corrected	15.5	ug/l	1 ft
HCCC-02	HCCC-02	2006-07-13	11:00	Chlorophyll a, corrected	12.1	ug/l	
HCCC-02	HCCC-02	2006-09-06	10:55	Chlorophyll a, corrected	22.3	ug/l	
HCCC-02	HCCC-02	2006-07-25	13:00	Chlorophyll a, corrected	7.94	ug/l	
HCCC-02	HCCC-02	2006-07-21	9:50	Chlorophyll a, corrected	15.1	ug/l	
HCCC-02	HCCC-02	2006-09-18	10:15	Chlorophyll a, corrected	8.89	ug/l	
HCCC-02	HCCC-02	2005-03-03	10:00	Chlorophyll a, corrected	10.4	ug/l	1 ft
HCCC-02	HCCC-02	2001-09-18	12:50	Chlorophyll a, corrected	2.4	ug/l	
HCCC-02	HCCC-06	2006-09-18	10:35	Chlorophyll a, corrected	7.94	ug/l	
HCCC-02	HCCC-06	2006-07-26	13:56	Chlorophyll a, corrected	7.23	ug/l	
HCCC-02	HCCC-06	2011-06-20	12:15	Chlorophyll a, corrected	1.6	ug/l	
HCCC-02	HCCC-06	2009-07-21	10:00	Chlorophyll a, corrected	4.67	ug/l	1 ft
HCCC-02	HCCC-06	2011-09-19	11:45	Chlorophyll a, corrected	3.43	ug/l	
HCCC-02	HCCC-06	2011-08-17	9:10	Chlorophyll a, corrected	3.56	ug/l	
HCCC-02	WW_31	2011-11-14		Chlorophyll a, corrected	11	ug/l	
HCCC-02	WW_31	2011-04-11		Chlorophyll a, corrected	19.8	ug/l	
HCCC-02	WW_31	2011-08-08		Chlorophyll a, corrected	10.7	ug/l	
HCCC-02	WW_31	2011-06-13		Chlorophyll a, corrected	4.6	ug/l	
HCCC-02	WW_31	2010-11-08		Chlorophyll a, corrected	0.6	ug/l	
HCCC-02	WW_31	2011-07-11		Chlorophyll a, corrected	1.6	ug/l	
HCCC-02	WW_31	2011-10-10		Chlorophyll a, corrected	2.8	ug/l	
HCCC-02	WW_31	2011-05-09		Chlorophyll a, corrected	9.4	ug/l	
HCCC-02	WW_31	2010-10-11		Chlorophyll a, corrected	1.1	ug/l	
HCCC-02	WW_31	2011-03-14		Chlorophyll a, corrected	7.9	ug/l	
HCCC-02	WW_31	2012-04-09		Chlorophyll a, corrected	4.8	ug/l	
HCCC-02	WW_31	2012-05-14		Chlorophyll a, corrected	1	ug/l	
HCCC-02	WW_31	2012-03-12		Chlorophyll a, corrected	4.9	ug/l	
HCCC-02	WW_31	2012-07-16		Chlorophyll a, corrected	1.2	ug/l	
HCCC-02	WW_31	2011-12-12		Chlorophyll a, corrected	6.2	ug/l	
HCCC-02	WW_31	2005-04-11		Chlorophyll a, corrected	7	ug/l	
HCCC-02	WW_31	2005-07-11		Chlorophyll a, corrected	7.2	ug/l	
HCCC-02	WW_31	2005-09-12		Chlorophyll a, corrected	9.9	ug/l	
HCCC-02	WW_31	2005-06-13		Chlorophyll a, corrected	0.6	ug/l	
HCCC-02	WW_31	2005-08-08		Chlorophyll a, corrected	2.3	ug/l	
HCCC-02	WW_31	2005-05-09		Chlorophyll a, corrected	11.5	ug/l	
HCCC-02	WW_31	2004-11-08		Chlorophyll a, corrected	6.6	ug/l	
HCCC-02	WW_31	2004-10-11		Chlorophyll a, corrected	0	ug/l	
HCCC-02	WW_31	2004-12-13		Chlorophyll a, corrected	10.2	ug/l	
HCCC-02	WW_31	2004-09-13		Chlorophyll a, corrected	1.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2004-08-09		Chlorophyll a, corrected	1.7	ug/l	
HCCC-02	WW_31	2004-06-14		Chlorophyll a, corrected	10.5	ug/l	
HCCC-02	WW_31	2005-03-14		Chlorophyll a, corrected	18.7	ug/l	
HCCC-02	WW_31	2004-07-12		Chlorophyll a, corrected	9.8	ug/l	
HCCC-02	WW_31	2005-02-14		Chlorophyll a, corrected	8.2	ug/l	
HCCC-02	WW_31	2009-11-09		Chlorophyll a, corrected	6.6	ug/l	
HCCC-02	WW_31	2010-09-13		Chlorophyll a, corrected	2.7	ug/l	
HCCC-02	WW_31	2007-11-13		Chlorophyll a, corrected	16.5	ug/l	
HCCC-02	WW_31	2009-10-12		Chlorophyll a, corrected	1.9	ug/l	
HCCC-02	WW_31	2009-09-14		Chlorophyll a, corrected	2.2	ug/l	
HCCC-02	WW_31	2007-04-09		Chlorophyll a, corrected	8.2	ug/l	
HCCC-02	WW_31	2007-03-12		Chlorophyll a, corrected	7.5	ug/l	
HCCC-02	WW_31	2010-04-12		Chlorophyll a, corrected	16.8	ug/l	
HCCC-02	WW_31	2007-01-08		Chlorophyll a, corrected	8.9	ug/l	
HCCC-02	WW_31	2007-08-13		Chlorophyll a, corrected	10.8	ug/l	
HCCC-02	WW_31	2010-07-12		Chlorophyll a, corrected	1	ug/l	
HCCC-02	WW_31	2010-06-14		Chlorophyll a, corrected	2.5	ug/l	
HCCC-02	WW_31	2007-06-11		Chlorophyll a, corrected	8.3	ug/l	
HCCC-02	WW_31	2007-07-09		Chlorophyll a, corrected	6.2	ug/l	
HCCC-02	WW_31	2010-05-10		Chlorophyll a, corrected	10.6	ug/l	
HCCC-02	WW_31	2005-11-14		Chlorophyll a, corrected	10	ug/l	
HCCC-02	WW_31	2007-10-08		Chlorophyll a, corrected	2.1	ug/l	
HCCC-02	WW_31	2009-12-14		Chlorophyll a, corrected	13.3	ug/l	
HCCC-02	WW_31	2006-01-09		Chlorophyll a, corrected	26.8	ug/l	
HCCC-02	WW_31	2006-12-11		Chlorophyll a, corrected	8.6	ug/l	
HCCC-02	WW_31	2010-08-09		Chlorophyll a, corrected	4.1	ug/l	
HCCC-02	WW_31	2010-03-08		Chlorophyll a, corrected	5.8	ug/l	
HCCC-02	WW_31	2005-10-10		Chlorophyll a, corrected	4.5	ug/l	
HCCC-02	WW_31	2007-05-14		Chlorophyll a, corrected	6.2	ug/l	
HCCC-02	WW_31	2007-09-10		Chlorophyll a, corrected	2.3	ug/l	
HCCC-02	WW_31	2008-03-10		Chlorophyll a, corrected	13.4	ug/l	
HCCC-02	WW_31	2008-08-11		Chlorophyll a, corrected	1.7	ug/l	
HCCC-02	WW_31	2009-07-13		Chlorophyll a, corrected	2	ug/l	
HCCC-02	WW_31	2006-03-13		Chlorophyll a, corrected	15.5	ug/l	
HCCC-02	WW_31	2006-08-14		Chlorophyll a, corrected	1.2	ug/l	
HCCC-02	WW_31	2008-06-09		Chlorophyll a, corrected	14	ug/l	
HCCC-02	WW_31	2008-11-10		Chlorophyll a, corrected	6.7	ug/l	
HCCC-02	WW_31	2006-09-11		Chlorophyll a, corrected	9	ug/l	
HCCC-02	WW_31	2006-04-10		Chlorophyll a, corrected	18.8	ug/l	
HCCC-02	WW_31	2008-07-14		Chlorophyll a, corrected	6.4	ug/l	
HCCC-02	WW_31	2008-04-14		Chlorophyll a, corrected	12.5	ug/l	
HCCC-02	WW_31	2006-10-09		Chlorophyll a, corrected	11.5	ug/l	
HCCC-02	WW_31	2009-06-08		Chlorophyll a, corrected	2.3	ug/l	
HCCC-02	WW_31	2006-06-12		Chlorophyll a, corrected	1.7	ug/l	
HCCC-02	WW_31	2009-05-11		Chlorophyll a, corrected	6.2	ug/l	
HCCC-02	WW_31	2006-11-13		Chlorophyll a, corrected	25.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2008-09-08		Chlorophyll a, corrected	23.4	ug/l	
HCCC-02	WW_31	2008-01-14		Chlorophyll a, corrected	6.4	ug/l	
HCCC-02	WW_31	2009-04-13		Chlorophyll a, corrected	8.3	ug/l	
HCCC-02	WW_31	2008-10-13		Chlorophyll a, corrected	9.4	ug/l	
HCCC-02	WW_31	2009-08-10		Chlorophyll a, corrected	1.2	ug/l	
HCCC-02	WW_31	2006-07-10		Chlorophyll a, corrected	3.7	ug/l	
HCCC-02	WW_31	2008-05-12		Chlorophyll a, corrected	11.7	ug/l	
HCCC-02	WW_31	2009-03-09		Chlorophyll a, corrected	7.2	ug/l	
HCCC-02	WW_31	2006-05-08		Chlorophyll a, corrected	9.1	ug/l	
HCCC-02	WW_31	2003-04-14		Chlorophyll a, corrected	30.9	ug/l	
HCCC-02	WW_31	2002-04-08		Chlorophyll a, corrected	11.5	ug/l	
HCCC-02	WW_31	2002-05-13		Chlorophyll a, corrected	15.9	ug/l	
HCCC-02	WW_31	2002-08-12		Chlorophyll a, corrected	13	ug/l	
HCCC-02	WW_31	2002-10-14		Chlorophyll a, corrected	0.6	ug/l	
HCCC-02	WW_31	2002-09-09		Chlorophyll a, corrected	2	ug/l	
HCCC-02	WW_31	2002-02-11		Chlorophyll a, corrected	11.5	ug/l	
HCCC-02	WW_31	2002-06-10		Chlorophyll a, corrected	5.1	ug/l	
HCCC-02	WW_31	2002-11-12		Chlorophyll a, corrected	34.7	ug/l	
HCCC-02	WW_31	2002-03-11		Chlorophyll a, corrected	12	ug/l	
HCCC-02	WW_31	2002-07-08		Chlorophyll a, corrected	10.1	ug/l	
HCCC-02	WW_31	2003-11-10		Chlorophyll a, corrected	12.1	ug/l	
HCCC-02	WW_31	2003-06-09		Chlorophyll a, corrected	8.1	ug/l	
HCCC-02	WW_31	2003-10-13		Chlorophyll a, corrected	1.6	ug/l	
HCCC-02	WW_31	2004-03-08		Chlorophyll a, corrected	13.3	ug/l	
HCCC-02	WW_31	2003-09-08		Chlorophyll a, corrected	3.6	ug/l	
HCCC-02	WW_31	2004-04-12		Chlorophyll a, corrected	4.6	ug/l	
HCCC-02	WW_31	2003-12-08		Chlorophyll a, corrected	26.1	ug/l	
HCCC-02	WW_31	2003-07-14		Chlorophyll a, corrected	3	ug/l	
HCCC-02	WW_31	2003-08-11		Chlorophyll a, corrected	1.1	ug/l	
HCCC-02	WW_31	2004-05-10		Chlorophyll a, corrected	8.5	ug/l	
HCCC-02	WW_31	2003-05-12		Chlorophyll a, corrected	13.7	ug/l	
HCCC-04	HCCC-04	2001-07-02	12:15	Chlorophyll a, corrected	4.33	ug/l	
HCCC-04	HCCC-04	2006-09-18	13:35	Chlorophyll a, corrected	11.9	ug/l	
HCCC-04	HCCC-04	2001-08-01	14:15	Chlorophyll a, corrected	7.58	ug/l	
HCCC-04	HCCC-04	2006-07-24	11:30	Chlorophyll a, corrected	15.8	ug/l	
HCCC-04	HCCC-04	2001-09-27	12:35	Chlorophyll a, corrected	9.51	ug/l	
HCCC-04	HCCC-04	2006-06-13	9:45	Chlorophyll a, corrected	21.1	ug/l	
HCCC-04	HCCC-08	2011-06-21	9:20	Chlorophyll a, corrected	4	ug/l	
HCCC-04	HCCC-08	2011-08-18	10:45	Chlorophyll a, corrected	32.7	ug/l	
HCCC-04	HCCC-08	2011-09-20	9:25	Chlorophyll a, corrected	20.8	ug/l	
HCCC-04	WW_103	2011-11-14		Chlorophyll a, corrected	26.4	ug/l	
HCCC-04	WW_103	2011-12-12		Chlorophyll a, corrected	7.1	ug/l	
HCCC-04	WW_103	2012-07-16		Chlorophyll a, corrected	0.9	ug/l	
HCCC-04	WW_103	2011-05-09		Chlorophyll a, corrected	34	ug/l	
HCCC-04	WW_103	2011-10-10		Chlorophyll a, corrected	13.4	ug/l	
HCCC-04	WW_103	2011-04-11		Chlorophyll a, corrected	27.4	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2012-03-12		Chlorophyll a, corrected	9.7	ug/l	
HCCC-04	WW_103	2011-08-08		Chlorophyll a, corrected	13.6	ug/l	
HCCC-04	WW_103	2012-05-14		Chlorophyll a, corrected	4.1	ug/l	
HCCC-04	WW_103	2012-04-09		Chlorophyll a, corrected	50.8	ug/l	
HCCC-04	WW_103	2011-07-11		Chlorophyll a, corrected	7.2	ug/l	
HCCC-04	WW_103	2012-06-11		Chlorophyll a, corrected	9.1	ug/l	
HCCC-04	WW_103	2012-01-17		Chlorophyll a, corrected	8.4	ug/l	
HCCC-04	WW_103	2011-09-12		Chlorophyll a, corrected	9.4	ug/l	
HCCC-04	WW_103	2011-06-13		Chlorophyll a, corrected	3.9	ug/l	
HCCC-04	WW_103	2012-02-14		Chlorophyll a, corrected	3.8	ug/l	
HCCC-04	WW_103	2011-03-14		Chlorophyll a, corrected	10.9	ug/l	
HCCC-04	WW_103	2010-11-08		Chlorophyll a, corrected	1.6	ug/l	
HCCC-04	WW_103	2010-10-11		Chlorophyll a, corrected	6	ug/l	
HCCC-04	WW_103	2011-02-14		Chlorophyll a, corrected	6.5	ug/l	
HCCC-04	WW_103	2005-02-14		Chlorophyll a, corrected	5	ug/l	
HCCC-04	WW_103	2002-04-08		Chlorophyll a, corrected	24.7	ug/l	
HCCC-04	WW_103	2003-12-08		Chlorophyll a, corrected	8.7	ug/l	
HCCC-04	WW_103	2004-07-12		Chlorophyll a, corrected	15.8	ug/l	
HCCC-04	WW_103	2004-08-09		Chlorophyll a, corrected	4.7	ug/l	
HCCC-04	WW_103	2002-06-10		Chlorophyll a, corrected	22.4	ug/l	
HCCC-04	WW_103	2003-11-10		Chlorophyll a, corrected	3.1	ug/l	
HCCC-04	WW_103	2005-06-13		Chlorophyll a, corrected	6.1	ug/l	
HCCC-04	WW_103	2002-05-13		Chlorophyll a, corrected	14.4	ug/l	
HCCC-04	WW_103	2004-12-13		Chlorophyll a, corrected	8.7	ug/l	
HCCC-04	WW_103	2004-03-08		Chlorophyll a, corrected	11.9	ug/l	
HCCC-04	WW_103	2004-05-10		Chlorophyll a, corrected	36.1	ug/l	
HCCC-04	WW_103	2005-01-10		Chlorophyll a, corrected	12.9	ug/l	
HCCC-04	WW_103	2002-01-14		Chlorophyll a, corrected	11.3	ug/l	
HCCC-04	WW_103	2005-07-11		Chlorophyll a, corrected	122.7	ug/l	
HCCC-04	WW_103	2004-04-12		Chlorophyll a, corrected	95.5	ug/l	
HCCC-04	WW_103	2002-02-11		Chlorophyll a, corrected	20.6	ug/l	
HCCC-04	WW_103	2002-03-11		Chlorophyll a, corrected	8.6	ug/l	
HCCC-04	WW_103	2004-06-14		Chlorophyll a, corrected	6.5	ug/l	
HCCC-04	WW_103	2004-10-11		Chlorophyll a, corrected	7.9	ug/l	
HCCC-04	WW_103	2005-03-14		Chlorophyll a, corrected	23.1	ug/l	
HCCC-04	WW_103	2002-11-12		Chlorophyll a, corrected	13.4	ug/l	
HCCC-04	WW_103	2002-10-14		Chlorophyll a, corrected	5.3	ug/l	
HCCC-04	WW_103	2003-07-14		Chlorophyll a, corrected	54	ug/l	
HCCC-04	WW_103	2004-11-08		Chlorophyll a, corrected	21.8	ug/l	
HCCC-04	WW_103	2003-05-12		Chlorophyll a, corrected	23.4	ug/l	
HCCC-04	WW_103	2003-04-14		Chlorophyll a, corrected	20	ug/l	
HCCC-04	WW_103	2005-09-12		Chlorophyll a, corrected	11.5	ug/l	
HCCC-04	WW_103	2003-06-09		Chlorophyll a, corrected	35.5	ug/l	
HCCC-04	WW_103	2005-04-11		Chlorophyll a, corrected	49	ug/l	
HCCC-04	WW_103	2003-09-08		Chlorophyll a, corrected	4	ug/l	
HCCC-04	WW_103	2003-08-11		Chlorophyll a, corrected	3.4	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2002-09-09		Chlorophyll a, corrected	7.1	ug/l	
HCCC-04	WW_103	2005-05-09		Chlorophyll a, corrected	35.5	ug/l	
HCCC-04	WW_103	2002-08-12		Chlorophyll a, corrected	8.4	ug/l	
HCCC-04	WW_103	2002-07-08		Chlorophyll a, corrected	22.7	ug/l	
HCCC-04	WW_103	2004-09-13		Chlorophyll a, corrected	1.9	ug/l	
HCCC-04	WW_103	2009-07-13		Chlorophyll a, corrected	3.1	ug/l	
HCCC-04	WW_103	2006-03-13		Chlorophyll a, corrected	14.3	ug/l	
HCCC-04	WW_103	2009-04-13		Chlorophyll a, corrected	21.7	ug/l	
HCCC-04	WW_103	2008-05-12		Chlorophyll a, corrected	17.9	ug/l	
HCCC-04	WW_103	2006-07-10		Chlorophyll a, corrected	4	ug/l	
HCCC-04	WW_103	2008-09-08		Chlorophyll a, corrected	8.9	ug/l	
HCCC-04	WW_103	2008-10-13		Chlorophyll a, corrected	3.7	ug/l	
HCCC-04	WW_103	2006-06-12		Chlorophyll a, corrected	6.2	ug/l	
HCCC-04	WW_103	2009-02-09		Chlorophyll a, corrected	4.5	ug/l	
HCCC-04	WW_103	2008-04-14		Chlorophyll a, corrected	10.3	ug/l	
HCCC-04	WW_103	2009-05-11		Chlorophyll a, corrected	9.2	ug/l	
HCCC-04	WW_103	2006-04-10		Chlorophyll a, corrected	31.6	ug/l	
HCCC-04	WW_103	2006-10-09		Chlorophyll a, corrected	9.9	ug/l	
HCCC-04	WW_103	2008-07-14		Chlorophyll a, corrected	12.1	ug/l	
HCCC-04	WW_103	2008-03-10		Chlorophyll a, corrected	4.8	ug/l	
HCCC-04	WW_103	2008-06-09		Chlorophyll a, corrected	13.6	ug/l	
HCCC-04	WW_103	2008-08-11		Chlorophyll a, corrected	4.5	ug/l	
HCCC-04	WW_103	2006-09-11		Chlorophyll a, corrected	16	ug/l	
HCCC-04	WW_103	2006-05-08		Chlorophyll a, corrected	22.6	ug/l	
HCCC-04	WW_103	2009-03-09		Chlorophyll a, corrected	10	ug/l	
HCCC-04	WW_103	2006-08-14		Chlorophyll a, corrected	3.9	ug/l	
HCCC-04	WW_103	2008-11-10		Chlorophyll a, corrected	8.7	ug/l	
HCCC-04	WW_103	2009-06-08		Chlorophyll a, corrected	8.2	ug/l	
HCCC-04	WW_103	2007-06-11		Chlorophyll a, corrected	20.5	ug/l	
HCCC-04	WW_103	2007-11-13		Chlorophyll a, corrected	4.6	ug/l	
HCCC-04	WW_103	2005-10-10		Chlorophyll a, corrected	8	ug/l	
HCCC-04	WW_103	2007-12-10		Chlorophyll a, corrected	5.5	ug/l	
HCCC-04	WW_103	2009-10-12		Chlorophyll a, corrected	5.5	ug/l	
HCCC-04	WW_103	2010-07-12		Chlorophyll a, corrected	18.3	ug/l	
HCCC-04	WW_103	2010-04-12		Chlorophyll a, corrected	28.6	ug/l	
HCCC-04	WW_103	2007-03-12		Chlorophyll a, corrected	4.2	ug/l	
HCCC-04	WW_103	2007-10-08		Chlorophyll a, corrected	20.9	ug/l	
HCCC-04	WW_103	2009-12-14		Chlorophyll a, corrected	7.8	ug/l	
HCCC-04	WW_103	2006-12-11		Chlorophyll a, corrected	10.6	ug/l	
HCCC-04	WW_103	2010-05-10		Chlorophyll a, corrected	7.6	ug/l	
HCCC-04	WW_103	2005-11-14		Chlorophyll a, corrected	19.4	ug/l	
HCCC-04	WW_103	2006-01-09		Chlorophyll a, corrected	7.1	ug/l	
HCCC-04	WW_103	2007-07-09		Chlorophyll a, corrected	6.5	ug/l	
HCCC-04	WW_103	2010-06-14		Chlorophyll a, corrected	3	ug/l	
HCCC-04	WW_103	2009-11-09		Chlorophyll a, corrected	2.2	ug/l	
HCCC-04	WW_103	2007-09-10		Chlorophyll a, corrected	7.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-11-13		Chlorophyll a, corrected	24	ug/l	
HCCC-04	WW_103	2008-01-14		Chlorophyll a, corrected	6.3	ug/l	
HCCC-04	WW_103	2010-08-09		Chlorophyll a, corrected	6.6	ug/l	
HCCC-04	WW_103	2007-01-08		Chlorophyll a, corrected	8.3	ug/l	
HCCC-04	WW_103	2007-04-09		Chlorophyll a, corrected	15.9	ug/l	
HCCC-04	WW_103	2010-09-13		Chlorophyll a, corrected	47.3	ug/l	
HCCC-04	WW_103	2009-08-10		Chlorophyll a, corrected	2.9	ug/l	
HCCC-04	WW_103	2010-03-08		Chlorophyll a, corrected	16.2	ug/l	
HCCC-04	WW_103	2009-09-14		Chlorophyll a, corrected	7.7	ug/l	
HCCC-04	WW_103	2007-05-14		Chlorophyll a, corrected	22.3	ug/l	
HCCC-04	WW_103	2010-02-08		Chlorophyll a, corrected	4.3	ug/l	
HCCC-04	WW_103	2007-08-13		Chlorophyll a, corrected	20.1	ug/l	
HCCC-04	WW_103	2006-02-14		Chlorophyll a, corrected	10.7	ug/l	
HCCC-04	WW_104	2012-02-14		Chlorophyll a, corrected	21.3	ug/l	
HCCC-04	WW_104	2011-02-14		Chlorophyll a, corrected	11.7	ug/l	
HCCC-04	WW_104	2012-01-17		Chlorophyll a, corrected	35.5	ug/l	
HCCC-04	WW_104	2011-11-14		Chlorophyll a, corrected	11.1	ug/l	
HCCC-04	WW_104	2011-06-13		Chlorophyll a, corrected	1.8	ug/l	
HCCC-04	WW_104	2012-06-11		Chlorophyll a, corrected	1.1	ug/l	
HCCC-04	WW_104	2012-04-09		Chlorophyll a, corrected	8.5	ug/l	
HCCC-04	WW_104	2011-01-10		Chlorophyll a, corrected	2.3	ug/l	
HCCC-04	WW_104	2010-12-13		Chlorophyll a, corrected	9.6	ug/l	
HCCC-04	WW_104	2012-03-12		Chlorophyll a, corrected	9	ug/l	
HCCC-04	WW_104	2011-08-08		Chlorophyll a, corrected	16	ug/l	
HCCC-04	WW_104	2012-05-14		Chlorophyll a, corrected	2.2	ug/l	
HCCC-04	WW_104	2011-09-12		Chlorophyll a, corrected	1.2	ug/l	
HCCC-04	WW_104	2010-11-08		Chlorophyll a, corrected	2	ug/l	
HCCC-04	WW_104	2011-07-11		Chlorophyll a, corrected	8.3	ug/l	
HCCC-04	WW_104	2011-10-10		Chlorophyll a, corrected	0.8	ug/l	
HCCC-04	WW_104	2011-04-11		Chlorophyll a, corrected	18.4	ug/l	
HCCC-04	WW_104	2011-03-14		Chlorophyll a, corrected	10.1	ug/l	
HCCC-04	WW_104	2011-05-09		Chlorophyll a, corrected	6.2	ug/l	
HCCC-04	WW_104	2011-12-12		Chlorophyll a, corrected	8	ug/l	
HCCC-04	WW_104	2012-07-16		Chlorophyll a, corrected	0.8	ug/l	
HCCC-04	WW_104	2010-10-11		Chlorophyll a, corrected	1.7	ug/l	
HCCC-04	WW_104	2005-04-11		Chlorophyll a, corrected	8.8	ug/l	
HCCC-04	WW_104	2002-08-12		Chlorophyll a, corrected	4.9	ug/l	
HCCC-04	WW_104	2002-05-13		Chlorophyll a, corrected	26.7	ug/l	
HCCC-04	WW_104	2004-03-08		Chlorophyll a, corrected	20.7	ug/l	
HCCC-04	WW_104	2002-01-14		Chlorophyll a, corrected	14	ug/l	
HCCC-04	WW_104	2003-04-14		Chlorophyll a, corrected	46.6	ug/l	
HCCC-04	WW_104	2004-04-12		Chlorophyll a, corrected	14.1	ug/l	
HCCC-04	WW_104	2005-01-10		Chlorophyll a, corrected	12	ug/l	
HCCC-04	WW_104	2003-05-12		Chlorophyll a, corrected	33.7	ug/l	
HCCC-04	WW_104	2005-07-11		Chlorophyll a, corrected	2.3	ug/l	
HCCC-04	WW_104	2002-04-08		Chlorophyll a, corrected	16.5	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2002-10-14		Chlorophyll a, corrected	23.3	ug/l	
HCCC-04	WW_104	2004-01-12		Chlorophyll a, corrected	7.5	ug/l	
HCCC-04	WW_104	2005-02-14		Chlorophyll a, corrected	5.4	ug/l	
HCCC-04	WW_104	2002-09-09		Chlorophyll a, corrected	17.4	ug/l	
HCCC-04	WW_104	2005-05-09		Chlorophyll a, corrected	8.5	ug/l	
HCCC-04	WW_104	2002-03-11		Chlorophyll a, corrected	34.5	ug/l	
HCCC-04	WW_104	2002-11-12		Chlorophyll a, corrected	7	ug/l	
HCCC-04	WW_104	2005-06-13		Chlorophyll a, corrected	3.2	ug/l	
HCCC-04	WW_104	2005-03-14		Chlorophyll a, corrected	25.4	ug/l	
HCCC-04	WW_104	2003-08-11		Chlorophyll a, corrected	18.4	ug/l	
HCCC-04	WW_104	2002-02-11		Chlorophyll a, corrected	18.7	ug/l	
HCCC-04	WW_104	2004-02-09		Chlorophyll a, corrected	2.7	ug/l	
HCCC-04	WW_104	2004-08-09		Chlorophyll a, corrected	5.8	ug/l	
HCCC-04	WW_104	2004-06-14		Chlorophyll a, corrected	18.1	ug/l	
HCCC-04	WW_104	2004-07-12		Chlorophyll a, corrected	11.8	ug/l	
HCCC-04	WW_104	2004-10-11		Chlorophyll a, corrected	16.2	ug/l	
HCCC-04	WW_104	2005-09-12		Chlorophyll a, corrected	1.3	ug/l	
HCCC-04	WW_104	2005-08-08		Chlorophyll a, corrected	0.7	ug/l	
HCCC-04	WW_104	2004-11-08		Chlorophyll a, corrected	28	ug/l	
HCCC-04	WW_104	2004-12-13		Chlorophyll a, corrected	7.7	ug/l	
HCCC-04	WW_104	2004-05-10		Chlorophyll a, corrected	11.4	ug/l	
HCCC-04	WW_104	2004-09-13		Chlorophyll a, corrected	1.1	ug/l	
HCCC-04	WW_104	2010-03-08		Chlorophyll a, corrected	14.5	ug/l	
HCCC-04	WW_104	2010-04-12		Chlorophyll a, corrected	13	ug/l	
HCCC-04	WW_104	2008-06-09		Chlorophyll a, corrected	5.8	ug/l	
HCCC-04	WW_104	2006-09-11		Chlorophyll a, corrected	9.9	ug/l	
HCCC-04	WW_104	2007-08-13		Chlorophyll a, corrected	15.8	ug/l	
HCCC-04	WW_104	2005-12-12		Chlorophyll a, corrected	30.3	ug/l	
HCCC-04	WW_104	2009-02-09		Chlorophyll a, corrected	3.6	ug/l	
HCCC-04	WW_104	2007-01-08		Chlorophyll a, corrected	5.5	ug/l	
HCCC-04	WW_104	2010-08-09		Chlorophyll a, corrected	3.6	ug/l	
HCCC-04	WW_104	2006-07-10		Chlorophyll a, corrected	11.5	ug/l	
HCCC-04	WW_104	2006-08-14		Chlorophyll a, corrected	3.6	ug/l	
HCCC-04	WW_104	2007-05-14		Chlorophyll a, corrected	16.8	ug/l	
HCCC-04	WW_104	2010-09-13		Chlorophyll a, corrected	1.1	ug/l	
HCCC-04	WW_104	2007-04-09		Chlorophyll a, corrected	39.1	ug/l	
HCCC-04	WW_104	2008-10-13		Chlorophyll a, corrected	6.2	ug/l	
HCCC-04	WW_104	2008-09-08		Chlorophyll a, corrected	26.6	ug/l	
HCCC-04	WW_104	2006-06-12		Chlorophyll a, corrected	12.5	ug/l	
HCCC-04	WW_104	2010-05-10		Chlorophyll a, corrected	5.8	ug/l	
HCCC-04	WW_104	2008-07-14		Chlorophyll a, corrected	11.4	ug/l	
HCCC-04	WW_104	2005-11-14		Chlorophyll a, corrected	21.9	ug/l	
HCCC-04	WW_104	2009-01-12		Chlorophyll a, corrected	1.5	ug/l	
HCCC-04	WW_104	2007-07-09		Chlorophyll a, corrected	1.6	ug/l	
HCCC-04	WW_104	2008-08-11		Chlorophyll a, corrected	3.2	ug/l	
HCCC-04	WW_104	2005-10-10		Chlorophyll a, corrected	1.1	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2008-11-10		Chlorophyll a, corrected	3.8	ug/l	
HCCC-04	WW_104	2007-03-12		Chlorophyll a, corrected	14.1	ug/l	
HCCC-04	WW_104	2008-12-08		Chlorophyll a, corrected	14.5	ug/l	
HCCC-04	WW_104	2007-06-11		Chlorophyll a, corrected	10.1	ug/l	
HCCC-04	WW_104	2006-10-09		Chlorophyll a, corrected	21.8	ug/l	
HCCC-04	WW_104	2009-06-08		Chlorophyll a, corrected	4.2	ug/l	
HCCC-04	WW_104	2009-10-12		Chlorophyll a, corrected	12.8	ug/l	
HCCC-04	WW_104	2009-05-11		Chlorophyll a, corrected	10.9	ug/l	
HCCC-04	WW_104	2006-04-10		Chlorophyll a, corrected	44.8	ug/l	
HCCC-04	WW_104	2006-12-11		Chlorophyll a, corrected	9.9	ug/l	
HCCC-04	WW_104	2007-11-13		Chlorophyll a, corrected	1.3	ug/l	
HCCC-04	WW_104	2008-04-14		Chlorophyll a, corrected	19.6	ug/l	
HCCC-04	WW_104	2009-11-09		Chlorophyll a, corrected	2.6	ug/l	
HCCC-04	WW_104	2008-01-14		Chlorophyll a, corrected	8.2	ug/l	
HCCC-04	WW_104	2006-11-13		Chlorophyll a, corrected	26.3	ug/l	
HCCC-04	WW_104	2008-02-11		Chlorophyll a, corrected	7.7	ug/l	
HCCC-04	WW_104	2009-08-10		Chlorophyll a, corrected	3.8	ug/l	
HCCC-04	WW_104	2008-03-10		Chlorophyll a, corrected	7.3	ug/l	
HCCC-04	WW_104	2006-02-14		Chlorophyll a, corrected	25.1	ug/l	
HCCC-04	WW_104	2007-12-10		Chlorophyll a, corrected	24.8	ug/l	
HCCC-04	WW_104	2006-03-13		Chlorophyll a, corrected	24.7	ug/l	
HCCC-04	WW_104	2009-07-13		Chlorophyll a, corrected	3.6	ug/l	
HCCC-04	WW_104	2009-09-14		Chlorophyll a, corrected	1.7	ug/l	
HCCC-04	WW_104	2009-12-14		Chlorophyll a, corrected	8.4	ug/l	
HCCC-04	WW_104	2007-10-08		Chlorophyll a, corrected	0.9	ug/l	
HCCC-04	WW_104	2008-05-12		Chlorophyll a, corrected	13.3	ug/l	
HCCC-04	WW_104	2009-04-13		Chlorophyll a, corrected	9.9	ug/l	
HCCC-04	WW_104	2007-09-10		Chlorophyll a, corrected	4	ug/l	
HCCC-04	WW_104	2009-03-09		Chlorophyll a, corrected	7.4	ug/l	
HCCC-04	WW_104	2006-05-08		Chlorophyll a, corrected	35.5	ug/l	
HCCC-04	WW_104	2006-01-09		Chlorophyll a, corrected	10.4	ug/l	
HCCC-04	WW_104	2010-02-08		Chlorophyll a, corrected	11.5	ug/l	
HCCD-01	WW_32	2011-05-09		Chlorophyll a, corrected	9.1	ug/l	
HCCD-01	WW_32	2012-07-16		Chlorophyll a, corrected	20.7	ug/l	
HCCD-01	WW_32	2011-09-12		Chlorophyll a, corrected	0.5	ug/l	
HCCD-01	WW_32	2012-05-14		Chlorophyll a, corrected	2.8	ug/l	
HCCD-01	WW_32	2012-04-09		Chlorophyll a, corrected	6.2	ug/l	
HCCD-01	WW_32	2012-03-12		Chlorophyll a, corrected	8.1	ug/l	
HCCD-01	WW_32	2011-07-11		Chlorophyll a, corrected	10.5	ug/l	
HCCD-01	WW_32	2011-08-08		Chlorophyll a, corrected	14.4	ug/l	
HCCD-01	WW_32	2011-06-13		Chlorophyll a, corrected	3.1	ug/l	
HCCD-01	WW_32	2012-06-11		Chlorophyll a, corrected	11	ug/l	
HCCD-01	WW_32	2010-11-08		Chlorophyll a, corrected	3.2	ug/l	
HCCD-01	WW_32	2011-04-11		Chlorophyll a, corrected	15.4	ug/l	
HCCD-01	WW_32	2011-03-14		Chlorophyll a, corrected	9.5	ug/l	
HCCD-01	WW_32	2012-01-17		Chlorophyll a, corrected	0.5	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2011-12-12		Chlorophyll a, corrected	4.3	ug/l	
HCCD-01	WW_32	2011-11-14		Chlorophyll a, corrected	7.5	ug/l	
HCCD-01	WW_32	2010-10-11		Chlorophyll a, corrected	1.5	ug/l	
HCCD-01	WW_32	2011-10-10		Chlorophyll a, corrected	5.1	ug/l	
HCCD-01	WW_32	2005-07-11		Chlorophyll a, corrected	55.2	ug/l	
HCCD-01	WW_32	2004-06-14		Chlorophyll a, corrected	7.4	ug/l	
HCCD-01	WW_32	2004-09-13		Chlorophyll a, corrected	57	ug/l	
HCCD-01	WW_32	2005-05-09		Chlorophyll a, corrected	33.7	ug/l	
HCCD-01	WW_32	2004-12-13		Chlorophyll a, corrected	6.5	ug/l	
HCCD-01	WW_32	2005-06-13		Chlorophyll a, corrected	3.5	ug/l	
HCCD-01	WW_32	2005-02-14		Chlorophyll a, corrected	7.3	ug/l	
HCCD-01	WW_32	2004-07-12		Chlorophyll a, corrected	11	ug/l	
HCCD-01	WW_32	2005-08-08		Chlorophyll a, corrected	6.3	ug/l	
HCCD-01	WW_32	2004-08-09		Chlorophyll a, corrected	91.1	ug/l	
HCCD-01	WW_32	2004-10-11		Chlorophyll a, corrected	18.6	ug/l	
HCCD-01	WW_32	2004-11-08		Chlorophyll a, corrected	4.1	ug/l	
HCCD-01	WW_32	2005-04-11		Chlorophyll a, corrected	6.5	ug/l	
HCCD-01	WW_32	2005-09-12		Chlorophyll a, corrected	4.3	ug/l	
HCCD-01	WW_32	2005-03-14		Chlorophyll a, corrected	8.3	ug/l	
HCCD-01	WW_32	2006-09-11		Chlorophyll a, corrected	7.2	ug/l	
HCCD-01	WW_32	2008-06-09		Chlorophyll a, corrected	10.3	ug/l	
HCCD-01	WW_32	2007-07-09		Chlorophyll a, corrected	6.2	ug/l	
HCCD-01	WW_32	2006-05-08		Chlorophyll a, corrected	8.7	ug/l	
HCCD-01	WW_32	2010-05-10		Chlorophyll a, corrected	12.7	ug/l	
HCCD-01	WW_32	2005-11-14		Chlorophyll a, corrected	2.4	ug/l	
HCCD-01	WW_32	2009-03-09		Chlorophyll a, corrected	5.1	ug/l	
HCCD-01	WW_32	2006-07-10		Chlorophyll a, corrected	5.6	ug/l	
HCCD-01	WW_32	2010-08-09		Chlorophyll a, corrected	9	ug/l	
HCCD-01	WW_32	2006-08-14		Chlorophyll a, corrected	6.3	ug/l	
HCCD-01	WW_32	2007-05-14		Chlorophyll a, corrected	15.6	ug/l	
HCCD-01	WW_32	2010-09-13		Chlorophyll a, corrected	2.2	ug/l	
HCCD-01	WW_32	2007-04-09		Chlorophyll a, corrected	20.4	ug/l	
HCCD-01	WW_32	2008-10-13		Chlorophyll a, corrected	5.2	ug/l	
HCCD-01	WW_32	2008-09-08		Chlorophyll a, corrected	13.9	ug/l	
HCCD-01	WW_32	2007-06-11		Chlorophyll a, corrected	2.5	ug/l	
HCCD-01	WW_32	2006-06-12		Chlorophyll a, corrected	4.7	ug/l	
HCCD-01	WW_32	2008-07-14		Chlorophyll a, corrected	11.4	ug/l	
HCCD-01	WW_32	2010-06-14		Chlorophyll a, corrected	1.7	ug/l	
HCCD-01	WW_32	2005-10-10		Chlorophyll a, corrected	2	ug/l	
HCCD-01	WW_32	2008-08-11		Chlorophyll a, corrected	2.8	ug/l	
HCCD-01	WW_32	2010-07-12		Chlorophyll a, corrected	4.9	ug/l	
HCCD-01	WW_32	2008-11-10		Chlorophyll a, corrected	2.2	ug/l	
HCCD-01	WW_32	2007-03-12		Chlorophyll a, corrected	4	ug/l	
HCCD-01	WW_32	2009-06-08		Chlorophyll a, corrected	9.3	ug/l	
HCCD-01	WW_32	2007-10-08		Chlorophyll a, corrected	2.8	ug/l	
HCCD-01	WW_32	2006-01-09		Chlorophyll a, corrected	1.3	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2009-12-14		Chlorophyll a, corrected	8	ug/l	
HCCD-01	WW_32	2009-10-12		Chlorophyll a, corrected	2.2	ug/l	
HCCD-01	WW_32	2006-02-14		Chlorophyll a, corrected	6.2	ug/l	
HCCD-01	WW_32	2006-10-09		Chlorophyll a, corrected	10.2	ug/l	
HCCD-01	WW_32	2009-08-10		Chlorophyll a, corrected	7	ug/l	
HCCD-01	WW_32	2009-11-09		Chlorophyll a, corrected	10.6	ug/l	
HCCD-01	WW_32	2009-07-13		Chlorophyll a, corrected	3.7	ug/l	
HCCD-01	WW_32	2006-03-13		Chlorophyll a, corrected	11.3	ug/l	
HCCD-01	WW_32	2007-11-13		Chlorophyll a, corrected	8.5	ug/l	
HCCD-01	WW_32	2008-03-10		Chlorophyll a, corrected	7.7	ug/l	
HCCD-01	WW_32	2006-12-11		Chlorophyll a, corrected	10	ug/l	
HCCD-01	WW_32	2010-03-08		Chlorophyll a, corrected	15	ug/l	
HCCD-01	WW_32	2009-09-14		Chlorophyll a, corrected	1.7	ug/l	
HCCD-01	WW_32	2007-01-08		Chlorophyll a, corrected	12.3	ug/l	
HCCD-01	WW_32	2006-11-13		Chlorophyll a, corrected	13.7	ug/l	
HCCD-01	WW_32	2007-08-13		Chlorophyll a, corrected	10.2	ug/l	
HCCD-01	WW_32	2008-05-12		Chlorophyll a, corrected	12.6	ug/l	
HCCD-01	WW_32	2010-04-12		Chlorophyll a, corrected	13.1	ug/l	
HCCD-01	WW_32	2009-04-13		Chlorophyll a, corrected	6.7	ug/l	
HCCD-01	WW_32	2005-12-12		Chlorophyll a, corrected	2.2	ug/l	
HCCD-01	WW_32	2008-01-14		Chlorophyll a, corrected	4.5	ug/l	
HCCD-01	WW_32	2007-09-10		Chlorophyll a, corrected	6	ug/l	
HCCD-01	WW_32	2009-05-11		Chlorophyll a, corrected	7.4	ug/l	
HCCD-01	WW_32	2006-04-10		Chlorophyll a, corrected	5.4	ug/l	
HCCD-01	WW_32	2008-04-14		Chlorophyll a, corrected	12	ug/l	
HCCD-01	WW_32	2003-09-08		Chlorophyll a, corrected	2.7	ug/l	
HCCD-01	WW_32	2002-07-08		Chlorophyll a, corrected	9.5	ug/l	
HCCD-01	WW_32	2002-08-12		Chlorophyll a, corrected	4.2	ug/l	
HCCD-01	WW_32	2003-08-11		Chlorophyll a, corrected	14.5	ug/l	
HCCD-01	WW_32	2004-04-12		Chlorophyll a, corrected	8.7	ug/l	
HCCD-01	WW_32	2002-09-09		Chlorophyll a, corrected	3.1	ug/l	
HCCD-01	WW_32	2003-11-10		Chlorophyll a, corrected	6.6	ug/l	
HCCD-01	WW_32	2002-04-08		Chlorophyll a, corrected	24.6	ug/l	
HCCD-01	WW_32	2002-03-11		Chlorophyll a, corrected	12.6	ug/l	
HCCD-01	WW_32	2003-12-08		Chlorophyll a, corrected	6	ug/l	
HCCD-01	WW_32	2002-02-11		Chlorophyll a, corrected	18.2	ug/l	
HCCD-01	WW_32	2002-06-10		Chlorophyll a, corrected	13.8	ug/l	
HCCD-01	WW_32	2002-05-13		Chlorophyll a, corrected	12.9	ug/l	
HCCD-01	WW_32	2004-03-08		Chlorophyll a, corrected	9.2	ug/l	
HCCD-01	WW_32	2003-05-12		Chlorophyll a, corrected	14.9	ug/l	
HCCD-01	WW_32	2003-06-09		Chlorophyll a, corrected	15.1	ug/l	
HCCD-01	WW_32	2003-04-14		Chlorophyll a, corrected	19.2	ug/l	
HCCD-01	WW_32	2004-05-10		Chlorophyll a, corrected	11.4	ug/l	
HCCD-01	WW_32	2002-11-12		Chlorophyll a, corrected	15.3	ug/l	
HCCD-01	WW_32	2002-10-14		Chlorophyll a, corrected	1.1	ug/l	
HCCD-01	WW_32	2003-07-14		Chlorophyll a, corrected	3.1	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	HCCD-09	2001-09-27	13:50	Chlorophyll a, corrected	7.42	ug/l	
HCCD-09	HCCD-09	2001-08-01	10:10	Chlorophyll a, corrected	5.02	ug/l	
HCCD-09	HCCD-09	2001-07-02	11:15	Chlorophyll a, corrected	7.61	ug/l	
HCCD-09	HCCD-09	2011-09-20	10:20	Chlorophyll a, corrected	34.7	ug/l	
HCCD-09	HCCD-09	2011-08-18	8:20	Chlorophyll a, corrected	60.7	ug/l	
HCCD-09	HCCD-09	2006-09-18	12:30	Chlorophyll a, corrected	28	ug/l	
HCCD-09	HCCD-09	2006-07-25	10:30	Chlorophyll a, corrected	43.2	ug/l	
HCCD-09	HCCD-09	2006-06-13	8:30	Chlorophyll a, corrected	38.2	ug/l	
HCCD-09	HCCD-09	2011-06-20	14:00	Chlorophyll a, corrected	18.2	ug/l	
HCCD-09	WW_105	2010-12-13		Chlorophyll a, corrected	14.2	ug/l	
HCCD-09	WW_105	2011-07-11		Chlorophyll a, corrected	1.9	ug/l	
HCCD-09	WW_105	2011-11-14		Chlorophyll a, corrected	14.6	ug/l	
HCCD-09	WW_105	2010-11-08		Chlorophyll a, corrected	3.2	ug/l	
HCCD-09	WW_105	2011-04-11		Chlorophyll a, corrected	22.2	ug/l	
HCCD-09	WW_105	2012-03-12		Chlorophyll a, corrected	7.6	ug/l	
HCCD-09	WW_105	2011-08-08		Chlorophyll a, corrected	30.6	ug/l	
HCCD-09	WW_105	2012-04-09		Chlorophyll a, corrected	8.1	ug/l	
HCCD-09	WW_105	2010-10-11		Chlorophyll a, corrected	1.3	ug/l	
HCCD-09	WW_105	2011-06-13		Chlorophyll a, corrected	3.3	ug/l	
HCCD-09	WW_105	2012-06-11		Chlorophyll a, corrected	2.2	ug/l	
HCCD-09	WW_105	2011-03-14		Chlorophyll a, corrected	10.8	ug/l	
HCCD-09	WW_105	2012-07-16		Chlorophyll a, corrected	11.2	ug/l	
HCCD-09	WW_105	2011-01-10		Chlorophyll a, corrected	2.8	ug/l	
HCCD-09	WW_105	2011-10-10		Chlorophyll a, corrected	5.9	ug/l	
HCCD-09	WW_105	2011-05-09		Chlorophyll a, corrected	16.1	ug/l	
HCCD-09	WW_105	2012-05-14		Chlorophyll a, corrected	2.6	ug/l	
HCCD-09	WW_105	2011-09-12		Chlorophyll a, corrected	1.9	ug/l	
HCCD-09	WW_105	2011-12-12		Chlorophyll a, corrected	10.3	ug/l	
HCCD-09	WW_105	2012-01-17		Chlorophyll a, corrected	59	ug/l	
HCCD-09	WW_105	2012-02-14		Chlorophyll a, corrected	25	ug/l	
HCCD-09	WW_105	2011-02-14		Chlorophyll a, corrected	5.9	ug/l	
HCCD-09	WW_105	2003-09-08		Chlorophyll a, corrected	4.5	ug/l	
HCCD-09	WW_105	2004-09-13		Chlorophyll a, corrected	3.9	ug/l	
HCCD-09	WW_105	2002-08-12		Chlorophyll a, corrected	4.2	ug/l	
HCCD-09	WW_105	2004-12-13		Chlorophyll a, corrected	8.4	ug/l	
HCCD-09	WW_105	2002-05-13		Chlorophyll a, corrected	41.7	ug/l	
HCCD-09	WW_105	2004-08-09		Chlorophyll a, corrected	11.1	ug/l	
HCCD-09	WW_105	2003-11-10		Chlorophyll a, corrected	15.5	ug/l	
HCCD-09	WW_105	2005-06-13		Chlorophyll a, corrected	11.1	ug/l	
HCCD-09	WW_105	2002-07-08		Chlorophyll a, corrected	7.1	ug/l	
HCCD-09	WW_105	2003-10-13		Chlorophyll a, corrected	5.9	ug/l	
HCCD-09	WW_105	2002-06-10		Chlorophyll a, corrected	40	ug/l	
HCCD-09	WW_105	2003-02-10		Chlorophyll a, corrected	9.4	ug/l	
HCCD-09	WW_105	2005-04-11		Chlorophyll a, corrected	12.4	ug/l	
HCCD-09	WW_105	2002-12-09		Chlorophyll a, corrected	7.5	ug/l	
HCCD-09	WW_105	2003-06-09		Chlorophyll a, corrected	12.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-01-13		Chlorophyll a, corrected	15.4	ug/l	
HCCD-09	WW_105	2004-11-08		Chlorophyll a, corrected	39.8	ug/l	
HCCD-09	WW_105	2003-04-14		Chlorophyll a, corrected	58.8	ug/l	
HCCD-09	WW_105	2003-03-10		Chlorophyll a, corrected	13.8	ug/l	
HCCD-09	WW_105	2003-05-12		Chlorophyll a, corrected	47.8	ug/l	
HCCD-09	WW_105	2005-09-12		Chlorophyll a, corrected	1.6	ug/l	
HCCD-09	WW_105	2002-09-09		Chlorophyll a, corrected	22	ug/l	
HCCD-09	WW_105	2005-05-09		Chlorophyll a, corrected	10.7	ug/l	
HCCD-09	WW_105	2003-08-11		Chlorophyll a, corrected	20.1	ug/l	
HCCD-09	WW_105	2002-11-12		Chlorophyll a, corrected	6.3	ug/l	
HCCD-09	WW_105	2005-03-14		Chlorophyll a, corrected	29.2	ug/l	
HCCD-09	WW_105	2002-10-14		Chlorophyll a, corrected	22.6	ug/l	
HCCD-09	WW_105	2003-07-14		Chlorophyll a, corrected	39.9	ug/l	
HCCD-09	WW_105	2004-10-11		Chlorophyll a, corrected	23.6	ug/l	
HCCD-09	WW_105	2004-05-10		Chlorophyll a, corrected	5	ug/l	
HCCD-09	WW_105	2004-02-09		Chlorophyll a, corrected	1.9	ug/l	
HCCD-09	WW_105	2002-03-11		Chlorophyll a, corrected	47.1	ug/l	
HCCD-09	WW_105	2004-01-12		Chlorophyll a, corrected	8.7	ug/l	
HCCD-09	WW_105	2004-03-08		Chlorophyll a, corrected	19.6	ug/l	
HCCD-09	WW_105	2002-01-14		Chlorophyll a, corrected	15.9	ug/l	
HCCD-09	WW_105	2004-06-14		Chlorophyll a, corrected	23.7	ug/l	
HCCD-09	WW_105	2005-08-08		Chlorophyll a, corrected	2.6	ug/l	
HCCD-09	WW_105	2002-04-08		Chlorophyll a, corrected	13.7	ug/l	
HCCD-09	WW_105	2005-02-14		Chlorophyll a, corrected	5.4	ug/l	
HCCD-09	WW_105	2002-02-11		Chlorophyll a, corrected	30.3	ug/l	
HCCD-09	WW_105	2005-01-10		Chlorophyll a, corrected	13.5	ug/l	
HCCD-09	WW_105	2003-12-08		Chlorophyll a, corrected	14.3	ug/l	
HCCD-09	WW_105	2004-07-12		Chlorophyll a, corrected	80.4	ug/l	
HCCD-09	WW_105	2005-07-11		Chlorophyll a, corrected	17.4	ug/l	
HCCD-09	WW_105	2004-04-12		Chlorophyll a, corrected	19.2	ug/l	
HCCD-09	WW_105	2007-05-14		Chlorophyll a, corrected	21.2	ug/l	
HCCD-09	WW_105	2007-08-13		Chlorophyll a, corrected	21.4	ug/l	
HCCD-09	WW_105	2007-09-10		Chlorophyll a, corrected	21.4	ug/l	
HCCD-09	WW_105	2006-09-11		Chlorophyll a, corrected	18.2	ug/l	
HCCD-09	WW_105	2008-02-11		Chlorophyll a, corrected	7.5	ug/l	
HCCD-09	WW_105	2007-04-09		Chlorophyll a, corrected	55.1	ug/l	
HCCD-09	WW_105	2008-06-09		Chlorophyll a, corrected	11.5	ug/l	
HCCD-09	WW_105	2006-11-13		Chlorophyll a, corrected	38.6	ug/l	
HCCD-09	WW_105	2008-09-08		Chlorophyll a, corrected	38.3	ug/l	
HCCD-09	WW_105	2007-01-08		Chlorophyll a, corrected	5.5	ug/l	
HCCD-09	WW_105	2008-01-14		Chlorophyll a, corrected	7.9	ug/l	
HCCD-09	WW_105	2007-10-08		Chlorophyll a, corrected	5.5	ug/l	
HCCD-09	WW_105	2007-11-13		Chlorophyll a, corrected	3.3	ug/l	
HCCD-09	WW_105	2008-04-14		Chlorophyll a, corrected	19.5	ug/l	
HCCD-09	WW_105	2006-10-09		Chlorophyll a, corrected	27.5	ug/l	
HCCD-09	WW_105	2006-12-11		Chlorophyll a, corrected	14	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2007-07-09		Chlorophyll a, corrected	9.4	ug/l	
HCCD-09	WW_105	2008-07-14		Chlorophyll a, corrected	24.5	ug/l	
HCCD-09	WW_105	2007-12-10		Chlorophyll a, corrected	26	ug/l	
HCCD-09	WW_105	2007-06-11		Chlorophyll a, corrected	16.6	ug/l	
HCCD-09	WW_105	2006-08-14		Chlorophyll a, corrected	4.7	ug/l	
HCCD-09	WW_105	2008-05-12		Chlorophyll a, corrected	32.7	ug/l	
HCCD-09	WW_105	2007-03-12		Chlorophyll a, corrected	13.4	ug/l	
HCCD-09	WW_105	2008-08-11		Chlorophyll a, corrected	15	ug/l	
HCCD-09	WW_105	2008-03-10		Chlorophyll a, corrected	5	ug/l	
HCCD-09	WW_105	2005-12-12		Chlorophyll a, corrected	29.8	ug/l	
HCCD-09	WW_105	2009-04-13		Chlorophyll a, corrected	16.3	ug/l	
HCCD-09	WW_105	2010-04-12		Chlorophyll a, corrected	20.6	ug/l	
HCCD-09	WW_105	2009-05-11		Chlorophyll a, corrected	17.7	ug/l	
HCCD-09	WW_105	2006-04-10		Chlorophyll a, corrected	74.2	ug/l	
HCCD-09	WW_105	2010-03-08		Chlorophyll a, corrected	18.8	ug/l	
HCCD-09	WW_105	2009-02-09		Chlorophyll a, corrected	0.4	ug/l	
HCCD-09	WW_105	2009-01-12		Chlorophyll a, corrected	1.1	ug/l	
HCCD-09	WW_105	2010-06-14		Chlorophyll a, corrected	3.2	ug/l	
HCCD-09	WW_105	2009-03-09		Chlorophyll a, corrected	8.8	ug/l	
HCCD-09	WW_105	2006-05-08		Chlorophyll a, corrected	91.1	ug/l	
HCCD-09	WW_105	2010-05-10		Chlorophyll a, corrected	11	ug/l	
HCCD-09	WW_105	2005-11-14		Chlorophyll a, corrected	33.5	ug/l	
HCCD-09	WW_105	2009-11-09		Chlorophyll a, corrected	8.6	ug/l	
HCCD-09	WW_105	2006-03-13		Chlorophyll a, corrected	41.1	ug/l	
HCCD-09	WW_105	2009-07-13		Chlorophyll a, corrected	8.1	ug/l	
HCCD-09	WW_105	2009-10-12		Chlorophyll a, corrected	18.2	ug/l	
HCCD-09	WW_105	2009-09-14		Chlorophyll a, corrected	12.2	ug/l	
HCCD-09	WW_105	2006-02-14		Chlorophyll a, corrected	35.7	ug/l	
HCCD-09	WW_105	2009-08-10		Chlorophyll a, corrected	9.5	ug/l	
HCCD-09	WW_105	2010-01-11		Chlorophyll a, corrected	5.4	ug/l	
HCCD-09	WW_105	2009-12-14		Chlorophyll a, corrected	9.9	ug/l	
HCCD-09	WW_105	2009-06-08		Chlorophyll a, corrected	6.1	ug/l	
HCCD-09	WW_105	2010-02-08		Chlorophyll a, corrected	11.3	ug/l	
HCCD-09	WW_105	2006-01-09		Chlorophyll a, corrected	12.3	ug/l	
HCCD-09	WW_105	2008-12-08		Chlorophyll a, corrected	15.2	ug/l	
HCCD-09	WW_105	2010-09-13		Chlorophyll a, corrected	13.5	ug/l	
HCCD-09	WW_105	2008-10-13		Chlorophyll a, corrected	33.9	ug/l	
HCCD-09	WW_105	2006-06-12		Chlorophyll a, corrected	17.6	ug/l	
HCCD-09	WW_105	2006-07-10		Chlorophyll a, corrected	19.7	ug/l	
HCCD-09	WW_105	2008-11-10		Chlorophyll a, corrected	9.4	ug/l	
HCCD-09	WW_105	2005-10-10		Chlorophyll a, corrected	19.6	ug/l	
HCCD-09	WW_105	2010-08-09		Chlorophyll a, corrected	10.8	ug/l	
HCCD-09	WW_105	2010-07-12		Chlorophyll a, corrected	8.2	ug/l	
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll a, corrected	7.75	ug/l	6 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll a, corrected	13.4	ug/l	1 ft
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll a, corrected	72.7	ug/l	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll a, corrected	28.7	ug/l	6 ft
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll a, corrected	7.75	ug/l	6 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll a, corrected	66.5	ug/l	2 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll a, corrected	82.3	ug/l	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll a, corrected	13.4	ug/l	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll a, corrected	43.5	ug/l	3 ft
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll a, corrected	28.7	ug/l	6 ft
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll a, corrected	72.7	ug/l	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Chlorophyll a, corrected	7.12	ug/l	6 ft
RHJ	RHJ-1	2011-05-04	11:47	Chlorophyll a, corrected	48.1	ug/l	3 ft
RHJ	RHJ-1	2011-07-07	11:23	Chlorophyll a, corrected	38.7	ug/l	3 ft
RHJ	RHJ-1	2011-08-04	12:21	Chlorophyll a, corrected	68.1	ug/l	3 ft
RHJ	RHJ-1	2011-10-04	11:48	Chlorophyll a, corrected	28	ug/l	4 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll a, corrected	43.5	ug/l	3 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll a, corrected	66.5	ug/l	2 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll a, corrected	82.3	ug/l	3 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll a, corrected	61.5	ug/l	4 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll a, corrected	45.2	ug/l	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll a, corrected	28.5	ug/l	6.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll a, corrected	40.5	ug/l	9 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll a, corrected	75.5	ug/l	3 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll a, corrected	51.3	ug/l	3.5 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll a, corrected	52	ug/l	3 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll a, corrected	12.4	ug/l	4 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll a, corrected	40.9	ug/l	6 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll a, corrected	51.3	ug/l	3.5 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll a, corrected	75.5	ug/l	3 ft
RHJ	RHJ-2	2011-07-07	10:35	Chlorophyll a, corrected	25.4	ug/l	3 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll a, corrected	40.9	ug/l	6 ft
RHJ	RHJ-2	2011-05-04	12:39	Chlorophyll a, corrected	51.6	ug/l	4 ft
RHJ	RHJ-2	2011-08-04	11:55	Chlorophyll a, corrected	89.4	ug/l	2 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll a, corrected	52	ug/l	3 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll a, corrected	12.4	ug/l	4 ft
RHJ	RHJ-2	2011-10-04	11:06	Chlorophyll a, corrected	76.1	ug/l	2 ft
RHJ	RHJ-2	2011-06-14	10:02	Chlorophyll a, corrected	24	ug/l	4 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll a, corrected	45.2	ug/l	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll a, corrected	28.5	ug/l	6.5 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll a, corrected	61.5	ug/l	4 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll a, corrected	40.5	ug/l	9 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll a, corrected	46.9	ug/l	4 ft
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll a, corrected	15.3	ug/l	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll a, corrected	16	ug/l	9 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll a, corrected	16.7	ug/l	3 ft
RHJ	RHJ-3	2011-06-14	10:53	Chlorophyll a, corrected	10.7	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll a, corrected	97.5	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll a, corrected	97.5	ug/l	3 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2011-07-07	9:51	Chlorophyll a, corrected	271	ug/l	2 ft
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll a, corrected	16	ug/l	9 ft
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll a, corrected	15.3	ug/l	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll a, corrected	46.9	ug/l	4 ft
RHJ	RHJ-3	2011-08-04	11:08	Chlorophyll a, corrected	28	ug/l	4 ft
RHJ	RHJ-3	2011-05-04	13:40	Chlorophyll a, corrected	25.8	ug/l	3 ft
RHJ	RHJ-3	2011-10-04	10:16	Chlorophyll a, corrected	14.7	ug/l	4 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll a, corrected	16.7	ug/l	3 ft
RHJA	RHJA-1	2005-02-16	10:55	Chlorophyll a, corrected	14.7	ug/l	10 ft
RHJA	RHJA-1	2005-02-16	11:39	Chlorophyll a, corrected	14.6	ug/l	8 ft
RHJA	RHJA-1	2005-03-23	9:38	Chlorophyll a, corrected	21.9	ug/l	4 ft
RHJA	RHJA-1	2005-04-05	12:12	Chlorophyll a, corrected	26.7	ug/l	4 ft
RHJA	RHJA-1	2005-04-05	10:32	Chlorophyll a, corrected	25.7	ug/l	3.5 ft
RHJA	RHJA-1	2005-04-05	11:45	Chlorophyll a, corrected	15.4	ug/l	5 ft
RHJA	RHJA-1	2005-04-20	11:43	Chlorophyll a, corrected	43.1	ug/l	3.5 ft
RHJA	RHJA-1	2005-05-04	10:12	Chlorophyll a, corrected	22.1	ug/l	3.5 ft
RHJA	RHJA-1	2005-06-15	10:02	Chlorophyll a, corrected	30.1	ug/l	4 ft
RHJA	RHJA-1	2005-06-29	10:25	Chlorophyll a, corrected	7.96	ug/l	4.4 ft
RHJA	RHJA-1	2005-07-13	9:11	Chlorophyll a, corrected	31.5	ug/l	5.5 ft
RHJA	RHJA-1	2005-07-27	9:56	Chlorophyll a, corrected	46.2	ug/l	5.2 ft
RHJA	RHJA-1	2005-08-11	9:20	Chlorophyll a, corrected	2.4	ug/l	3.6 ft
RHJA	RHJA-2	2005-03-23	10:37	Chlorophyll a, corrected	8.58	ug/l	6 ft
RHJA	RHJA-2	2005-04-20	12:58	Chlorophyll a, corrected	29.7	ug/l	4.4 ft
RHJA	RHJA-2	2005-05-04	11:04	Chlorophyll a, corrected	8.16	ug/l	4.4 ft
RHJA	RHJA-2	2005-06-15	11:00	Chlorophyll a, corrected	7.47	ug/l	8 ft
RHJA	RHJA-2	2005-06-29	11:17	Chlorophyll a, corrected	10.9	ug/l	5 ft
RHJA	RHJA-2	2005-07-13	10:10	Chlorophyll a, corrected	16.7	ug/l	5 ft
RHJA	RHJA-2	2005-07-27	10:40	Chlorophyll a, corrected	17.5	ug/l	4.4 ft
RHJA	RHJA-2	2005-08-11	10:13	Chlorophyll a, corrected	15.1	ug/l	5 ft
RHJA	RHJA-3	2005-03-23	11:05	Chlorophyll a, corrected	11.2	ug/l	6 ft
RHJA	RHJA-3	2005-04-20	13:27	Chlorophyll a, corrected	19.4	ug/l	5.4 ft
RHJA	RHJA-3	2005-05-04	11:37	Chlorophyll a, corrected	11.3	ug/l	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Chlorophyll a, corrected	13.2	ug/l	1 ft
RHJA	RHJA-3	2005-06-29	11:50	Chlorophyll a, corrected	9.31	ug/l	6.2 ft
RHJA	RHJA-3	2005-07-13	10:38	Chlorophyll a, corrected	20.1	ug/l	5.5 ft
RHJA	RHJA-3	2005-07-27	11:02	Chlorophyll a, corrected	36.7	ug/l	5 ft
RHJA	RHJA-3	2005-08-11	10:43	Chlorophyll a, corrected	33.9	ug/l	5.6 ft
HCC-07	HCC-07	2002-10-29	11:50	Chlorophyll a, uncorrected	6.82	ug/l	
HCC-07	HCC-07	2002-05-20	13:30	Chlorophyll a, uncorrected	24.2	ug/l	
HCC-07	HCC-07	2003-08-21	12:30	Chlorophyll a, uncorrected	5.51	ug/l	
HCC-07	HCC-07	2004-05-13	12:45	Chlorophyll a, uncorrected	20.4	ug/l	1 ft
HCC-07	HCC-07	2004-04-12	13:30	Chlorophyll a, uncorrected	18.3	ug/l	1 ft
HCC-07	HCC-07	2002-09-17	12:00	Chlorophyll a, uncorrected	9.12	ug/l	
HCC-07	HCC-07	2003-12-22	12:45	Chlorophyll a, uncorrected	6.29	ug/l	
HCC-07	HCC-07	2003-09-23	12:30	Chlorophyll a, uncorrected	8.6	ug/l	
HCC-07	HCC-07	2003-11-06	12:15	Chlorophyll a, uncorrected	13.8	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2004-03-10	13:15	Chlorophyll a, uncorrected	9.16	ug/l	1 ft
HCC-07	HCC-07	2002-12-12	11:00	Chlorophyll a, uncorrected	8.13	ug/l	
HCC-07	HCC-07	2001-09-17	12:55	Chlorophyll a, uncorrected	10.1	ug/l	
HCC-07	HCC-07	2001-11-08	12:00	Chlorophyll a, uncorrected	5.21	ug/l	
HCC-07	HCC-07	2001-12-19	13:00	Chlorophyll a, uncorrected	8.91	ug/l	
HCC-07	HCC-07	2002-04-03	15:30	Chlorophyll a, uncorrected	12.8	ug/l	
HCC-07	HCC-07	2006-07-25	9:00	Chlorophyll a, uncorrected	13.4	ug/l	
HCC-07	HCC-07	2006-09-18	8:20	Chlorophyll a, uncorrected	15.6	ug/l	
HCC-07	HCC-07	2006-09-07	12:50	Chlorophyll a, uncorrected	15.8	ug/l	
HCC-07	HCC-07	2002-01-30	13:30	Chlorophyll a, uncorrected	14.5	ug/l	
HCC-07	HCC-07	2002-07-01	13:30	Chlorophyll a, uncorrected	12.8	ug/l	
HCC-07	HCC-07	2002-07-30	10:15	Chlorophyll a, uncorrected	37.2	ug/l	
HCC-07	HCC-07	2006-07-19	9:30	Chlorophyll a, uncorrected	11.9	ug/l	
HCC-07	HCC-07	2006-07-11	9:33	Chlorophyll a, uncorrected	18.1	ug/l	
HCC-07	HCC-07	2005-06-06	12:45	Chlorophyll a, uncorrected	9.13	ug/l	0.75 ft
HCC-07	HCC-07	2003-04-30	13:20	Chlorophyll a, uncorrected	94.6	ug/l	
HCC-07	HCC-07	2005-04-05	12:40	Chlorophyll a, uncorrected	22.8	ug/l	1 ft
HCC-07	HCC-07	2003-07-16	13:20	Chlorophyll a, uncorrected	14	ug/l	
HCC-07	HCC-07	2003-03-20	12:30	Chlorophyll a, uncorrected	34.7	ug/l	
HCC-07	HCC-07	2003-06-04	13:15	Chlorophyll a, uncorrected	11.8	ug/l	
HCC-07	HCC-07	2005-03-03	11:15	Chlorophyll a, uncorrected	15.3	ug/l	1 ft
HCC-07	HCC-07	2003-01-30	13:00	Chlorophyll a, uncorrected	6.63	ug/l	
HCCB-05	HCCB-05	2006-07-21	10:55	Chlorophyll a, uncorrected	23.9	ug/l	
HCCB-05	HCCB-05	2001-09-18	11:05	Chlorophyll a, uncorrected	11.7	ug/l	
HCCB-05	HCCB-05	2006-07-13	12:45	Chlorophyll a, uncorrected	7.5	ug/l	
HCCB-05	HCCB-05	2006-09-06	10:05	Chlorophyll a, uncorrected	16.4	ug/l	
HCCB-05	HCCB-05	2001-07-02	10:15	Chlorophyll a, uncorrected	5.75	ug/l	
HCCB-05	HCCB-05	2006-09-18	11:10	Chlorophyll a, uncorrected	7.58	ug/l	
HCCB-05	HCCB-13	2011-08-17	11:55	Chlorophyll a, uncorrected	1.6	ug/l	
HCCB-05	HCCB-13	2011-09-19	12:30	Chlorophyll a, uncorrected	8.88	ug/l	
HCCB-05	HCCB-13	2006-06-12	14:50	Chlorophyll a, uncorrected	4.91	ug/l	
HCCB-05	HCCB-13	2006-07-25	12:00	Chlorophyll a, uncorrected	6.21	ug/l	
HCCB-05	HCCB-13	2011-06-20	13:15	Chlorophyll a, uncorrected	4.53	ug/l	
HCCB-05	HCCB-13	2006-09-18	11:25	Chlorophyll a, uncorrected	7.55	ug/l	
HCCC-02	HCCC-02	2002-01-30	12:15	Chlorophyll a, uncorrected	12	ug/l	
HCCC-02	HCCC-02	2002-07-30	11:30	Chlorophyll a, uncorrected	1.75	ug/l	
HCCC-02	HCCC-02	2002-09-17	10:15	Chlorophyll a, uncorrected	2.89	ug/l	
HCCC-02	HCCC-02	2002-07-01	12:00	Chlorophyll a, uncorrected	1.71	ug/l	
HCCC-02	HCCC-02	2002-10-29	10:30	Chlorophyll a, uncorrected	1.81	ug/l	
HCCC-02	HCCC-02	2002-12-27	10:00	Chlorophyll a, uncorrected	5.17	ug/l	
HCCC-02	HCCC-02	2002-05-20	12:15	Chlorophyll a, uncorrected	3.03	ug/l	
HCCC-02	HCCC-02	2001-12-19	11:30	Chlorophyll a, uncorrected	8.22	ug/l	
HCCC-02	HCCC-02	2002-03-22	12:00	Chlorophyll a, uncorrected	5.4	ug/l	
HCCC-02	HCCC-02	2001-11-08	10:45	Chlorophyll a, uncorrected	2.65	ug/l	
HCCC-02	HCCC-02	2003-06-04	11:30	Chlorophyll a, uncorrected	8.02	ug/l	
HCCC-02	HCCC-02	2003-07-16	12:15	Chlorophyll a, uncorrected	39.6	ug/l	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2003-04-30	11:45	Chlorophyll a, uncorrected	12.7	ug/l	
HCCC-02	HCCC-02	2003-09-23	11:30	Chlorophyll a, uncorrected	11.1	ug/l	
HCCC-02	HCCC-02	2003-08-18	11:00	Chlorophyll a, uncorrected	1.76	ug/l	
HCCC-02	HCCC-02	2005-06-06	11:30	Chlorophyll a, uncorrected	2.46	ug/l	1 ft
HCCC-02	HCCC-02	2005-04-05	11:45	Chlorophyll a, uncorrected	17.2	ug/l	1 ft
HCCC-02	HCCC-02	2003-03-10	12:55	Chlorophyll a, uncorrected	38.5	ug/l	
HCCC-02	HCCC-02	2004-03-10	12:00	Chlorophyll a, uncorrected	8.25	ug/l	1 ft
HCCC-02	HCCC-02	2004-04-12	12:00	Chlorophyll a, uncorrected	4.45	ug/l	1 ft
HCCC-02	HCCC-02	2003-11-06	10:45	Chlorophyll a, uncorrected	20.1	ug/l	
HCCC-02	HCCC-02	2003-12-22	10:45	Chlorophyll a, uncorrected	3.99	ug/l	
HCCC-02	HCCC-02	2004-05-13	11:30	Chlorophyll a, uncorrected	16.7	ug/l	1 ft
HCCC-02	HCCC-02	2006-07-13	11:00	Chlorophyll a, uncorrected	12.9	ug/l	
HCCC-02	HCCC-02	2006-09-06	10:55	Chlorophyll a, uncorrected	22.5	ug/l	
HCCC-02	HCCC-02	2006-07-25	13:00	Chlorophyll a, uncorrected	8.46	ug/l	
HCCC-02	HCCC-02	2006-07-21	9:50	Chlorophyll a, uncorrected	16.3	ug/l	
HCCC-02	HCCC-02	2005-03-03	10:00	Chlorophyll a, uncorrected	9.28	ug/l	1 ft
HCCC-02	HCCC-02	2006-09-18	10:15	Chlorophyll a, uncorrected	9.36	ug/l	
HCCC-02	HCCC-02	2001-09-18	12:50	Chlorophyll a, uncorrected	2.05	ug/l	
HCCC-02	HCCC-06	2006-07-26	13:56	Chlorophyll a, uncorrected	7.52	ug/l	
HCCC-02	HCCC-06	2006-09-18	10:35	Chlorophyll a, uncorrected	9.23	ug/l	
HCCC-02	HCCC-06	2011-06-20	12:15	Chlorophyll a, uncorrected	2.51	ug/l	
HCCC-02	HCCC-06	2011-09-19	11:45	Chlorophyll a, uncorrected	4.39	ug/l	
HCCC-02	HCCC-06	2009-07-21	10:00	Chlorophyll a, uncorrected	6.79	ug/l	1 ft
HCCC-02	HCCC-06	2011-08-17	9:10	Chlorophyll a, uncorrected	4.13	ug/l	
HCCC-04	HCCC-04	2001-07-02	12:15	Chlorophyll a, uncorrected	5.82	ug/l	
HCCC-04	HCCC-04	2001-08-01	14:15	Chlorophyll a, uncorrected	9.66	ug/l	
HCCC-04	HCCC-04	2006-07-24	11:30	Chlorophyll a, uncorrected	23.2	ug/l	
HCCC-04	HCCC-04	2006-09-18	13:35	Chlorophyll a, uncorrected	15.1	ug/l	
HCCC-04	HCCC-04	2001-09-27	12:35	Chlorophyll a, uncorrected	11.6	ug/l	
HCCC-04	HCCC-04	2006-06-13	9:45	Chlorophyll a, uncorrected	28.4	ug/l	
HCCC-04	HCCC-08	2011-08-18	10:45	Chlorophyll a, uncorrected	41.2	ug/l	
HCCC-04	HCCC-08	2011-06-21	9:20	Chlorophyll a, uncorrected	7.36	ug/l	
HCCC-04	HCCC-08	2011-09-20	9:25	Chlorophyll a, uncorrected	31.1	ug/l	
HCCD-09	HCCD-09	2001-08-01	10:10	Chlorophyll a, uncorrected	6.86	ug/l	
HCCD-09	HCCD-09	2011-09-20	10:20	Chlorophyll a, uncorrected	54	ug/l	
HCCD-09	HCCD-09	2001-07-02	11:15	Chlorophyll a, uncorrected	10.1	ug/l	
HCCD-09	HCCD-09	2011-08-18	8:20	Chlorophyll a, uncorrected	74.4	ug/l	
HCCD-09	HCCD-09	2011-06-20	14:00	Chlorophyll a, uncorrected	22.3	ug/l	
HCCD-09	HCCD-09	2006-09-18	12:30	Chlorophyll a, uncorrected	30.4	ug/l	
HCCD-09	HCCD-09	2006-07-25	10:30	Chlorophyll a, uncorrected	46.9	ug/l	
HCCD-09	HCCD-09	2006-06-13	8:30	Chlorophyll a, uncorrected	45.9	ug/l	
HCCD-09	HCCD-09	2001-09-27	13:50	Chlorophyll a, uncorrected	9.21	ug/l	
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll a, uncorrected	84.7	ug/l	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll a, uncorrected	32.8	ug/l	6 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll a, uncorrected	13.1	ug/l	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll a, uncorrected	8.61	ug/l	6 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-06-22	11:15	Chlorophyll a, uncorrected	8.61	ug/l	6 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll a, uncorrected	66.7	ug/l	2 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll a, uncorrected	81.7	ug/l	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Chlorophyll a, uncorrected	13.1	ug/l	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll a, uncorrected	47.3	ug/l	3 ft
RHJ	RHJ-1	2003-06-10	9:17	Chlorophyll a, uncorrected	32.8	ug/l	6 ft
RHJ	RHJ-1	2001-09-04	12:00	Chlorophyll a, uncorrected	84.7	ug/l	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Chlorophyll a, uncorrected	8.37	ug/l	6 ft
RHJ	RHJ-1	2011-05-04	11:47	Chlorophyll a, uncorrected	52.9	ug/l	3 ft
RHJ	RHJ-1	2011-07-07	11:23	Chlorophyll a, uncorrected	42.1	ug/l	3 ft
RHJ	RHJ-1	2011-08-04	12:21	Chlorophyll a, uncorrected	74.4	ug/l	3 ft
RHJ	RHJ-1	2011-10-04	11:48	Chlorophyll a, uncorrected	32.4	ug/l	4 ft
RHJ	RHJ-1	2003-07-28	10:00	Chlorophyll a, uncorrected	47.3	ug/l	3 ft
RHJ	RHJ-1	2003-08-27	10:25	Chlorophyll a, uncorrected	66.7	ug/l	2 ft
RHJ	RHJ-1	2003-10-10	11:54	Chlorophyll a, uncorrected	81.7	ug/l	3 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll a, uncorrected	67.9	ug/l	4 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll a, uncorrected	30.7	ug/l	6.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll a, uncorrected	44	ug/l	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll a, uncorrected	42.8	ug/l	9 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll a, uncorrected	80.7	ug/l	3 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll a, uncorrected	51.8	ug/l	3.5 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll a, uncorrected	52.1	ug/l	3 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll a, uncorrected	13.3	ug/l	4 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll a, uncorrected	44.4	ug/l	6 ft
RHJ	RHJ-2	2003-08-27	11:25	Chlorophyll a, uncorrected	51.8	ug/l	3.5 ft
RHJ	RHJ-2	2003-07-28	11:00	Chlorophyll a, uncorrected	80.7	ug/l	3 ft
RHJ	RHJ-2	2011-07-07	10:35	Chlorophyll a, uncorrected	27.3	ug/l	3 ft
RHJ	RHJ-2	2003-06-10	10:29	Chlorophyll a, uncorrected	44.4	ug/l	6 ft
RHJ	RHJ-2	2011-05-04	12:39	Chlorophyll a, uncorrected	57	ug/l	4 ft
RHJ	RHJ-2	2011-08-04	11:55	Chlorophyll a, uncorrected	99.1	ug/l	2 ft
RHJ	RHJ-2	2003-10-10	11:06	Chlorophyll a, uncorrected	52.1	ug/l	3 ft
RHJ	RHJ-2	2011-10-04	11:06	Chlorophyll a, uncorrected	83.7	ug/l	2 ft
RHJ	RHJ-2	2011-06-14	10:02	Chlorophyll a, uncorrected	26.9	ug/l	4 ft
RHJ	RHJ-2	2001-05-31	11:30	Chlorophyll a, uncorrected	44	ug/l	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Chlorophyll a, uncorrected	30.7	ug/l	6.5 ft
RHJ	RHJ-2	2001-11-05	12:25	Chlorophyll a, uncorrected	13.3	ug/l	4 ft
RHJ	RHJ-2	2001-09-04	12:55	Chlorophyll a, uncorrected	67.9	ug/l	4 ft
RHJ	RHJ-2	2001-07-16	13:35	Chlorophyll a, uncorrected	42.8	ug/l	9 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll a, uncorrected	53.5	ug/l	4 ft
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll a, uncorrected	14.5	ug/l	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll a, uncorrected	18	ug/l	9 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll a, uncorrected	16.9	ug/l	3 ft
RHJ	RHJ-3	2011-06-14	10:53	Chlorophyll a, uncorrected	10.4	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll a, uncorrected	106	ug/l	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Chlorophyll a, uncorrected	106	ug/l	3 ft
RHJ	RHJ-3	2001-06-22	13:02	Chlorophyll a, uncorrected	18	ug/l	9 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-05-31	10:45	Chlorophyll a, uncorrected	14.5	ug/l	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Chlorophyll a, uncorrected	53.5	ug/l	4 ft
RHJ	RHJ-3	2011-05-04	13:40	Chlorophyll a, uncorrected	30.7	ug/l	3 ft
RHJ	RHJ-3	2011-08-04	11:08	Chlorophyll a, uncorrected	29.3	ug/l	4 ft
RHJ	RHJ-3	2011-07-07	9:51	Chlorophyll a, uncorrected	271	ug/l	2 ft
RHJ	RHJ-3	2001-11-05	13:00	Chlorophyll a, uncorrected	16.9	ug/l	3 ft
RHJ	RHJ-3	2011-10-04	10:16	Chlorophyll a, uncorrected	16.5	ug/l	4 ft
RHJA	RHJA-1	2005-02-16	11:39	Chlorophyll a, uncorrected	12.9	ug/l	8 ft
RHJA	RHJA-1	2005-02-16	10:55	Chlorophyll a, uncorrected	13.4	ug/l	10 ft
RHJA	RHJA-1	2005-03-23	9:38	Chlorophyll a, uncorrected	20.5	ug/l	4 ft
RHJA	RHJA-1	2005-04-05	11:45	Chlorophyll a, uncorrected	15.1	ug/l	5 ft
RHJA	RHJA-1	2005-04-05	12:12	Chlorophyll a, uncorrected	26.2	ug/l	4 ft
RHJA	RHJA-1	2005-04-05	10:32	Chlorophyll a, uncorrected	26.3	ug/l	3.5 ft
RHJA	RHJA-1	2005-04-20	11:43	Chlorophyll a, uncorrected	42.6	ug/l	3.5 ft
RHJA	RHJA-1	2005-05-04	10:12	Chlorophyll a, uncorrected	20.2	ug/l	3.5 ft
RHJA	RHJA-1	2005-06-15	10:02	Chlorophyll a, uncorrected	27.3	ug/l	4 ft
RHJA	RHJA-1	2005-06-29	10:25	Chlorophyll a, uncorrected	7.43	ug/l	4.4 ft
RHJA	RHJA-1	2005-07-13	9:11	Chlorophyll a, uncorrected	30.3	ug/l	5.5 ft
RHJA	RHJA-1	2005-07-27	9:56	Chlorophyll a, uncorrected	45	ug/l	5.2 ft
RHJA	RHJA-1	2005-08-11	9:20	Chlorophyll a, uncorrected	3.19	ug/l	3.6 ft
RHJA	RHJA-2	2005-03-23	10:37	Chlorophyll a, uncorrected	7.57	ug/l	6 ft
RHJA	RHJA-2	2005-04-20	12:58	Chlorophyll a, uncorrected	28.9	ug/l	4.4 ft
RHJA	RHJA-2	2005-05-04	11:04	Chlorophyll a, uncorrected	6.36	ug/l	4.4 ft
RHJA	RHJA-2	2005-06-15	11:00	Chlorophyll a, uncorrected	6.43	ug/l	8 ft
RHJA	RHJA-2	2005-06-29	11:17	Chlorophyll a, uncorrected	8.91	ug/l	5 ft
RHJA	RHJA-2	2005-07-13	10:10	Chlorophyll a, uncorrected	15.7	ug/l	5 ft
RHJA	RHJA-2	2005-07-27	10:40	Chlorophyll a, uncorrected	16.5	ug/l	4.4 ft
RHJA	RHJA-2	2005-08-11	10:13	Chlorophyll a, uncorrected	15.8	ug/l	5 ft
RHJA	RHJA-3	2005-03-23	11:05	Chlorophyll a, uncorrected	9.5	ug/l	6 ft
RHJA	RHJA-3	2005-04-20	13:27	Chlorophyll a, uncorrected	19.7	ug/l	5.4 ft
RHJA	RHJA-3	2005-05-04	11:37	Chlorophyll a, uncorrected	10	ug/l	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Chlorophyll a, uncorrected	12.2	ug/l	1 ft
RHJA	RHJA-3	2005-06-29	11:50	Chlorophyll a, uncorrected	8.62	ug/l	6.2 ft
RHJA	RHJA-3	2005-07-13	10:38	Chlorophyll a, uncorrected	18.1	ug/l	5.5 ft
RHJA	RHJA-3	2005-07-27	11:02	Chlorophyll a, uncorrected	33	ug/l	5 ft
RHJA	RHJA-3	2005-08-11	10:43	Chlorophyll a, uncorrected	35.5	ug/l	5.6 ft
HCC-07	HCC-07	2003-08-21	12:30	Coliform, Fecal	980	cfu/100ml	
HCC-07	HCC-07	2003-09-23	12:30	Coliform, Fecal	4300	cfu/100ml	
HCC-07	HCC-07	2003-11-06	12:15	Coliform, Fecal	4900	cfu/100ml	
HCC-07	HCC-07	2003-12-22	12:45	Coliform, Fecal	370	cfu/100ml	
HCC-07	HCC-07	2004-03-10	13:15	Coliform, Fecal	495	cfu/100ml	
HCC-07	HCC-07	2004-04-12	13:30	Coliform, Fecal	240	cfu/100ml	
HCC-07	HCC-07	2003-07-16	13:20	Coliform, Fecal	2600	cfu/100ml	
HCC-07	HCC-07	2002-05-20		Coliform, Fecal	400	cfu/100ml	
HCC-07	HCC-07	2012-05-29	9:40	Coliform, Fecal	480	cfu/100ml	
HCC-07	HCC-07	2012-06-25	8:30	Coliform, Fecal	2000	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2012-07-24	9:00	Coliform, Fecal	1900	cfu/100ml	
HCC-07	HCC-07	2011-09-12	9:35	Coliform, Fecal	1200	cfu/100ml	
HCC-07	HCC-07	2011-10-20	12:05	Coliform, Fecal	5200	cfu/100ml	
HCC-07	HCC-07	2011-06-02	12:50	Coliform, Fecal	530	cfu/100ml	
HCC-07	HCC-07	2011-06-28	11:30	Coliform, Fecal	7200	cfu/100ml	
HCC-07	HCC-07	2012-09-17	9:15	Coliform, Fecal	860	cfu/100ml	
HCC-07	HCC-07	2013-07-01	10:00	Coliform, Fecal	3000	cfu/100ml	
HCC-07	HCC-07	2013-08-05	10:50	Coliform, Fecal	1400	cfu/100ml	
HCC-07	HCC-07	2013-05-20	13:10	Coliform, Fecal	420	cfu/100ml	
HCC-07	HCC-07	2013-10-29	13:45	Coliform, Fecal	18000	cfu/100ml	
HCC-07	HCC-07	2012-10-29	11:00	Coliform, Fecal	490	cfu/100ml	
HCC-07	HCC-07	2001-09-17		Coliform, Fecal	3100	cfu/100ml	
HCC-07	HCC-07	2002-07-01		Coliform, Fecal	1140	cfu/100ml	
HCC-07	HCC-07	2002-09-17		Coliform, Fecal	2800	cfu/100ml	
HCC-07	HCC-07	2002-10-29		Coliform, Fecal	4500	cfu/100ml	
HCC-07	HCC-07	2003-03-20	12:03	Coliform, Fecal	20000	cfu/100ml	
HCC-07	HCC-07	2003-04-30	13:20	Coliform, Fecal	88	cfu/100ml	
HCC-07	HCC-07	2003-06-04	13:15	Coliform, Fecal	20000	cfu/100ml	
HCC-07	HCC-07	2004-06-21	12:45	Coliform, Fecal	960	cfu/100ml	
HCC-07	HCC-07	2004-05-13	12:45	Coliform, Fecal	1531	cfu/100ml	
HCC-07	HCC-07	2009-08-06	11:00	Coliform, Fecal	2200	cfu/100ml	
HCC-07	HCC-07	2009-09-15	11:25	Coliform, Fecal	4500	cfu/100ml	
HCC-07	HCC-07	2004-08-04	13:15	Coliform, Fecal	20000	cfu/100ml	
HCC-07	HCC-07	2006-07-25	9:00	Coliform, Fecal	6300	cfu/100ml	
HCC-07	HCC-07	2004-09-14	12:15	Coliform, Fecal	1120	cfu/100ml	
HCC-07	HCC-07	2005-05-03	12:45	Coliform, Fecal	620	cfu/100ml	
HCC-07	HCC-07	2005-06-06	12:45	Coliform, Fecal	8600	cfu/100ml	
HCC-07	HCC-07	2005-10-26	9:30	Coliform, Fecal	100	cfu/100ml	
HCC-07	HCC-07	2006-09-28	10:00	Coliform, Fecal	720	cfu/100ml	
HCC-07	HCC-07	2005-08-08	13:15	Coliform, Fecal	3600	cfu/100ml	
HCC-07	HCC-07	2000-05-18		Coliform, Fecal	540	cfu/100ml	
HCC-07	WW_34	2011-12-12		Coliform, Fecal	490	cfu/100ml	
HCC-07	WW_34	2011-06-13		Coliform, Fecal	1600	cfu/100ml	
HCC-07	WW_34	2011-08-08		Coliform, Fecal	10000	cfu/100ml	
HCC-07	WW_34	2011-07-11		Coliform, Fecal	13000	cfu/100ml	
HCC-07	WW_34	2011-04-11		Coliform, Fecal	210	cfu/100ml	
HCC-07	WW_34	2011-11-14		Coliform, Fecal	360	cfu/100ml	
HCC-07	WW_34	2012-05-14		Coliform, Fecal	400	cfu/100ml	
HCC-07	WW_34	2011-01-10		Coliform, Fecal	21000	cfu/100ml	
HCC-07	WW_34	2012-04-09		Coliform, Fecal	150	cfu/100ml	
HCC-07	WW_34	2011-10-10		Coliform, Fecal	200	cfu/100ml	
HCC-07	WW_34	2011-03-14		Coliform, Fecal	350	cfu/100ml	
HCC-07	WW_34	2012-02-14		Coliform, Fecal	350	cfu/100ml	
HCC-07	WW_34	2011-09-12		Coliform, Fecal	120	cfu/100ml	
HCC-07	WW_34	2011-05-09		Coliform, Fecal	640	cfu/100ml	
HCC-07	WW_34	2012-03-12		Coliform, Fecal	3300	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-06-11		Coliform, Fecal	30	cfu/100ml	
HCC-07	WW_34	2012-01-17		Coliform, Fecal	2900	cfu/100ml	
HCC-07	WW_34	2012-07-16		Coliform, Fecal	540	cfu/100ml	
HCC-07	WW_34	2005-04-11		Coliform, Fecal	320	cfu/100ml	
HCC-07	WW_34	2004-11-08		Coliform, Fecal	1300	cfu/100ml	
HCC-07	WW_34	2005-06-13		Coliform, Fecal	950	cfu/100ml	
HCC-07	WW_34	2004-08-09		Coliform, Fecal	1500	cfu/100ml	
HCC-07	WW_34	2005-08-08		Coliform, Fecal	8500	cfu/100ml	
HCC-07	WW_34	2005-02-14		Coliform, Fecal	840	cfu/100ml	
HCC-07	WW_34	2004-07-12		Coliform, Fecal	1400	cfu/100ml	
HCC-07	WW_34	2004-06-14		Coliform, Fecal	550	cfu/100ml	
HCC-07	WW_34	2005-05-09		Coliform, Fecal	860	cfu/100ml	
HCC-07	WW_34	2005-03-14		Coliform, Fecal	2300	cfu/100ml	
HCC-07	WW_34	2004-10-11		Coliform, Fecal	450	cfu/100ml	
HCC-07	WW_34	2004-12-13		Coliform, Fecal	1100	cfu/100ml	
HCC-07	WW_34	2005-07-11		Coliform, Fecal	770	cfu/100ml	
HCC-07	WW_34	2004-09-13		Coliform, Fecal	620	cfu/100ml	
HCC-07	WW_34	2005-09-12		Coliform, Fecal	830	cfu/100ml	
HCC-07	WW_34	2005-01-10		Coliform, Fecal	2000	cfu/100ml	
HCC-07	WW_34	2006-07-10		Coliform, Fecal	930	cfu/100ml	
HCC-07	WW_34	2006-08-14		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_34	2006-02-14		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_34	2006-11-13		Coliform, Fecal	3800	cfu/100ml	
HCC-07	WW_34	2006-10-09		Coliform, Fecal	1200	cfu/100ml	
HCC-07	WW_34	2005-11-14		Coliform, Fecal	1600	cfu/100ml	
HCC-07	WW_34	2006-04-10		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_34	2006-09-11		Coliform, Fecal	7100	cfu/100ml	
HCC-07	WW_34	2006-05-08		Coliform, Fecal	140	cfu/100ml	
HCC-07	WW_34	2007-01-08		Coliform, Fecal	1000	cfu/100ml	
HCC-07	WW_34	2006-12-11		Coliform, Fecal	2400	cfu/100ml	
HCC-07	WW_34	2006-03-13		Coliform, Fecal	2000	cfu/100ml	
HCC-07	WW_34	2005-10-10		Coliform, Fecal	400	cfu/100ml	
HCC-07	WW_34	2006-01-09		Coliform, Fecal	800	cfu/100ml	
HCC-07	WW_34	2006-06-12		Coliform, Fecal	700	cfu/100ml	
HCC-07	WW_34	2007-03-12		Coliform, Fecal	380	cfu/100ml	
HCC-07	WW_34	2007-10-08		Coliform, Fecal	410	cfu/100ml	
HCC-07	WW_34	2009-08-10		Coliform, Fecal	2900	cfu/100ml	
HCC-07	WW_34	2008-10-13		Coliform, Fecal	360	cfu/100ml	
HCC-07	WW_34	2009-07-13		Coliform, Fecal	370	cfu/100ml	
HCC-07	WW_34	2008-09-08		Coliform, Fecal	3100	cfu/100ml	
HCC-07	WW_34	2008-04-14		Coliform, Fecal	440	cfu/100ml	
HCC-07	WW_34	2009-09-14		Coliform, Fecal	190	cfu/100ml	
HCC-07	WW_34	2007-09-10		Coliform, Fecal	5600	cfu/100ml	
HCC-07	WW_34	2009-01-12		Coliform, Fecal	400	cfu/100ml	
HCC-07	WW_34	2009-04-13		Coliform, Fecal	250	cfu/100ml	
HCC-07	WW_34	2009-02-09		Coliform, Fecal	940	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2008-01-14		Coliform, Fecal	1200	cfu/100ml	
HCC-07	WW_34	2009-03-09		Coliform, Fecal	900	cfu/100ml	
HCC-07	WW_34	2009-06-08		Coliform, Fecal	10000	cfu/100ml	
HCC-07	WW_34	2008-11-10		Coliform, Fecal	2800	cfu/100ml	
HCC-07	WW_34	2007-11-13		Coliform, Fecal	210	cfu/100ml	
HCC-07	WW_34	2008-12-08		Coliform, Fecal	690	cfu/100ml	
HCC-07	WW_34	2007-12-10		Coliform, Fecal	2400	cfu/100ml	
HCC-07	WW_34	2009-10-12		Coliform, Fecal	240	cfu/100ml	
HCC-07	WW_34	2008-03-10		Coliform, Fecal	720	cfu/100ml	
HCC-07	WW_34	2009-05-11		Coliform, Fecal	1400	cfu/100ml	
HCC-07	WW_34	2010-06-14		Coliform, Fecal	51000	cfu/100ml	
HCC-07	WW_34	2008-08-11		Coliform, Fecal	580	cfu/100ml	
HCC-07	WW_34	2007-06-11		Coliform, Fecal	450	cfu/100ml	
HCC-07	WW_34	2008-05-12		Coliform, Fecal	1200	cfu/100ml	
HCC-07	WW_34	2009-11-09		Coliform, Fecal	290	cfu/100ml	
HCC-07	WW_34	2010-05-10		Coliform, Fecal	520	cfu/100ml	
HCC-07	WW_34	2010-08-09		Coliform, Fecal	320	cfu/100ml	
HCC-07	WW_34	2007-04-09		Coliform, Fecal	140	cfu/100ml	
HCC-07	WW_34	2008-06-09		Coliform, Fecal	13000	cfu/100ml	
HCC-07	WW_34	2010-07-12		Coliform, Fecal	4500	cfu/100ml	
HCC-07	WW_34	2007-05-14		Coliform, Fecal	390	cfu/100ml	
HCC-07	WW_34	2008-07-14		Coliform, Fecal	280	cfu/100ml	
HCC-07	WW_34	2010-02-08		Coliform, Fecal	250	cfu/100ml	
HCC-07	WW_34	2010-03-08		Coliform, Fecal	670	cfu/100ml	
HCC-07	WW_34	2007-08-13		Coliform, Fecal	740	cfu/100ml	
HCC-07	WW_34	2010-01-11		Coliform, Fecal	4600	cfu/100ml	
HCC-07	WW_34	2009-12-14		Coliform, Fecal	760	cfu/100ml	
HCC-07	WW_34	2007-07-09		Coliform, Fecal	450	cfu/100ml	
HCC-07	WW_34	2010-04-12		Coliform, Fecal	750	cfu/100ml	
HCC-07	WW_34	2003-03-10		Coliform, Fecal	1400	cfu/100ml	
HCC-07	WW_34	2003-11-10		Coliform, Fecal	5600	cfu/100ml	
HCC-07	WW_34	2001-06-11		Coliform, Fecal	870	cfu/100ml	
HCC-07	WW_34	2004-03-08		Coliform, Fecal	580	cfu/100ml	
HCC-07	WW_34	2002-05-13		Coliform, Fecal	14000	cfu/100ml	
HCC-07	WW_34	2004-05-10		Coliform, Fecal	5500	cfu/100ml	
HCC-07	WW_34	2001-02-13		Coliform, Fecal	900	cfu/100ml	
HCC-07	WW_34	2002-03-11		Coliform, Fecal	660	cfu/100ml	
HCC-07	WW_34	2004-02-09		Coliform, Fecal	2700	cfu/100ml	
HCC-07	WW_34	2001-01-16		Coliform, Fecal	2800	cfu/100ml	
HCC-07	WW_34	2001-07-09		Coliform, Fecal	2200	cfu/100ml	
HCC-07	WW_34	2004-01-12		Coliform, Fecal	600	cfu/100ml	
HCC-07	WW_34	2003-04-14		Coliform, Fecal	260	cfu/100ml	
HCC-07	WW_34	2002-04-08		Coliform, Fecal	550	cfu/100ml	
HCC-07	WW_34	2001-10-08		Coliform, Fecal	1000	cfu/100ml	
HCC-07	WW_34	2002-02-11		Coliform, Fecal	950	cfu/100ml	
HCC-07	WW_34	2003-12-08		Coliform, Fecal	470	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-05-12		Coliform, Fecal	1700	cfu/100ml	
HCC-07	WW_34	2002-08-12		Coliform, Fecal	1300	cfu/100ml	
HCC-07	WW_34	2003-09-08		Coliform, Fecal	900	cfu/100ml	
HCC-07	WW_34	2002-11-12		Coliform, Fecal	810	cfu/100ml	
HCC-07	WW_34	2001-09-10		Coliform, Fecal	3600	cfu/100ml	
HCC-07	WW_34	2001-12-10		Coliform, Fecal	94000	cfu/100ml	
HCC-07	WW_34	2001-04-09		Coliform, Fecal	490	cfu/100ml	
HCC-07	WW_34	2004-04-12		Coliform, Fecal	400	cfu/100ml	
HCC-07	WW_34	2001-11-13		Coliform, Fecal	240	cfu/100ml	
HCC-07	WW_34	2002-10-14		Coliform, Fecal	940	cfu/100ml	
HCC-07	WW_34	2002-09-09		Coliform, Fecal	920	cfu/100ml	
HCC-07	WW_34	2003-07-14		Coliform, Fecal	1000	cfu/100ml	
HCC-07	WW_34	2003-08-11		Coliform, Fecal	540	cfu/100ml	
HCC-07	WW_34	2002-01-14		Coliform, Fecal	240	cfu/100ml	
HCC-07	WW_34	2003-01-13		Coliform, Fecal	6200	cfu/100ml	
HCC-07	WW_34	2001-08-13		Coliform, Fecal	1600	cfu/100ml	
HCC-07	WW_34	2003-06-09		Coliform, Fecal	1500	cfu/100ml	
HCC-07	WW_34	2003-10-13		Coliform, Fecal	3200	cfu/100ml	
HCC-07	WW_34	2002-06-10		Coliform, Fecal	580	cfu/100ml	
HCC-07	WW_34	2002-12-09		Coliform, Fecal	530	cfu/100ml	
HCC-07	WW_34	2001-05-14		Coliform, Fecal	230	cfu/100ml	
HCC-07	WW_34	2002-07-08		Coliform, Fecal	1200	cfu/100ml	
HCC-07	WW_34	2001-03-12		Coliform, Fecal	660	cfu/100ml	
HCC-07	WW_96	2014-05-12		Coliform, Fecal	300	cfu/100ml	
HCC-07	WW_96	2014-03-10		Coliform, Fecal	350	cfu/100ml	
HCC-07	WW_96	2011-08-08		Coliform, Fecal	23000	cfu/100ml	
HCC-07	WW_96	2010-11-08		Coliform, Fecal	690	cfu/100ml	
HCC-07	WW_96	2012-03-12		Coliform, Fecal	330	cfu/100ml	
HCC-07	WW_96	2014-04-14		Coliform, Fecal	3000	cfu/100ml	
HCC-07	WW_96	2014-10-13		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_96	2011-12-12		Coliform, Fecal	230	cfu/100ml	
HCC-07	WW_96	2014-09-15		Coliform, Fecal	600	cfu/100ml	
HCC-07	WW_96	2011-10-10		Coliform, Fecal	180	cfu/100ml	
HCC-07	WW_96	2011-11-14		Coliform, Fecal	270	cfu/100ml	
HCC-07	WW_96	2014-12-08		Coliform, Fecal	200	cfu/100ml	
HCC-07	WW_96	2014-11-10		Coliform, Fecal	280	cfu/100ml	
HCC-07	WW_96	2012-02-14		Coliform, Fecal	260	cfu/100ml	
HCC-07	WW_96	2014-07-14		Coliform, Fecal	2900	cfu/100ml	
HCC-07	WW_96	2011-09-12		Coliform, Fecal	290	cfu/100ml	
HCC-07	WW_96	2014-06-09		Coliform, Fecal	3200	cfu/100ml	
HCC-07	WW_96	2012-01-17		Coliform, Fecal	720	cfu/100ml	
HCC-07	WW_96	2010-10-11		Coliform, Fecal	380	cfu/100ml	
HCC-07	WW_96	2014-08-11		Coliform, Fecal	3400	cfu/100ml	
HCC-07	WW_96	2012-08-13		Coliform, Fecal	1300	cfu/100ml	
HCC-07	WW_96	2013-04-08		Coliform, Fecal	210	cfu/100ml	
HCC-07	WW_96	2013-03-11		Coliform, Fecal	22000	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2011-03-14		Coliform, Fecal	20	cfu/100ml	
HCC-07	WW_96	2013-06-10		Coliform, Fecal	460	cfu/100ml	
HCC-07	WW_96	2012-07-16		Coliform, Fecal	230	cfu/100ml	
HCC-07	WW_96	2013-05-13		Coliform, Fecal	200	cfu/100ml	
HCC-07	WW_96	2011-05-09		Coliform, Fecal	90	cfu/100ml	
HCC-07	WW_96	2012-12-10		Coliform, Fecal	2700	cfu/100ml	
HCC-07	WW_96	2013-01-14		Coliform, Fecal	2100	cfu/100ml	
HCC-07	WW_96	2012-11-13		Coliform, Fecal	910	cfu/100ml	
HCC-07	WW_96	2011-04-11		Coliform, Fecal	80	cfu/100ml	
HCC-07	WW_96	2012-09-10		Coliform, Fecal	960	cfu/100ml	
HCC-07	WW_96	2012-10-08		Coliform, Fecal	230	cfu/100ml	
HCC-07	WW_96	2013-12-09		Coliform, Fecal	2500	cfu/100ml	
HCC-07	WW_96	2011-01-10		Coliform, Fecal	330	cfu/100ml	
HCC-07	WW_96	2012-05-14		Coliform, Fecal	100	cfu/100ml	
HCC-07	WW_96	2013-11-12		Coliform, Fecal	860	cfu/100ml	
HCC-07	WW_96	2011-07-11		Coliform, Fecal	10000	cfu/100ml	
HCC-07	WW_96	2014-01-13		Coliform, Fecal	11000	cfu/100ml	
HCC-07	WW_96	2012-04-09		Coliform, Fecal	50	cfu/100ml	
HCC-07	WW_96	2010-12-13		Coliform, Fecal	1700	cfu/100ml	
HCC-07	WW_96	2013-08-12		Coliform, Fecal	410	cfu/100ml	
HCC-07	WW_96	2013-07-15		Coliform, Fecal	290	cfu/100ml	
HCC-07	WW_96	2013-10-14		Coliform, Fecal	300	cfu/100ml	
HCC-07	WW_96	2012-06-11		Coliform, Fecal	180	cfu/100ml	
HCC-07	WW_96	2013-09-16		Coliform, Fecal	10000	cfu/100ml	
HCC-07	WW_96	2011-06-13		Coliform, Fecal	590	cfu/100ml	
HCC-07	WW_96	2005-05-09		Coliform, Fecal	460	cfu/100ml	
HCC-07	WW_96	2005-03-14		Coliform, Fecal	390	cfu/100ml	
HCC-07	WW_96	2004-11-08		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_96	2005-09-12		Coliform, Fecal	710	cfu/100ml	
HCC-07	WW_96	2004-10-11		Coliform, Fecal	1300	cfu/100ml	
HCC-07	WW_96	2005-04-11		Coliform, Fecal	300	cfu/100ml	
HCC-07	WW_96	2005-08-08		Coliform, Fecal	920	cfu/100ml	
HCC-07	WW_96	2004-07-12		Coliform, Fecal	990	cfu/100ml	
HCC-07	WW_96	2005-01-10		Coliform, Fecal	1600	cfu/100ml	
HCC-07	WW_96	2005-07-11		Coliform, Fecal	2200	cfu/100ml	
HCC-07	WW_96	2004-06-14		Coliform, Fecal	100000	cfu/100ml	
HCC-07	WW_96	2004-12-13		Coliform, Fecal	890	cfu/100ml	
HCC-07	WW_96	2004-09-13		Coliform, Fecal	380	cfu/100ml	
HCC-07	WW_96	2005-02-14		Coliform, Fecal	21000	cfu/100ml	
HCC-07	WW_96	2005-06-13		Coliform, Fecal	830	cfu/100ml	
HCC-07	WW_96	2004-08-09		Coliform, Fecal	1100	cfu/100ml	
HCC-07	WW_96	2010-08-09		Coliform, Fecal	410	cfu/100ml	
HCC-07	WW_96	2006-10-09		Coliform, Fecal	820	cfu/100ml	
HCC-07	WW_96	2010-04-12		Coliform, Fecal	270	cfu/100ml	
HCC-07	WW_96	2007-07-09		Coliform, Fecal	980	cfu/100ml	
HCC-07	WW_96	2007-04-09		Coliform, Fecal	220	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-10-13		Coliform, Fecal	280	cfu/100ml	
HCC-07	WW_96	2010-09-13		Coliform, Fecal	600	cfu/100ml	
HCC-07	WW_96	2008-06-09		Coliform, Fecal	20000	cfu/100ml	
HCC-07	WW_96	2008-04-14		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_96	2010-03-08		Coliform, Fecal	3500	cfu/100ml	
HCC-07	WW_96	2006-09-11		Coliform, Fecal	11000	cfu/100ml	
HCC-07	WW_96	2008-08-11		Coliform, Fecal	910	cfu/100ml	
HCC-07	WW_96	2005-10-10		Coliform, Fecal	800	cfu/100ml	
HCC-07	WW_96	2008-05-12		Coliform, Fecal	2600	cfu/100ml	
HCC-07	WW_96	2010-06-14		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2007-05-14		Coliform, Fecal	330	cfu/100ml	
HCC-07	WW_96	2010-07-12		Coliform, Fecal	20000	cfu/100ml	
HCC-07	WW_96	2010-05-10		Coliform, Fecal	40	cfu/100ml	
HCC-07	WW_96	2007-06-11		Coliform, Fecal	5200	cfu/100ml	
HCC-07	WW_96	2008-09-08		Coliform, Fecal	780	cfu/100ml	
HCC-07	WW_96	2008-07-14		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2007-03-12		Coliform, Fecal	430	cfu/100ml	
HCC-07	WW_96	2006-08-14		Coliform, Fecal	460	cfu/100ml	
HCC-07	WW_96	2005-11-14		Coliform, Fecal	2000	cfu/100ml	
HCC-07	WW_96	2009-06-08		Coliform, Fecal	1400	cfu/100ml	
HCC-07	WW_96	2006-11-13		Coliform, Fecal	2100	cfu/100ml	
HCC-07	WW_96	2009-07-13		Coliform, Fecal	470	cfu/100ml	
HCC-07	WW_96	2009-08-10		Coliform, Fecal	460	cfu/100ml	
HCC-07	WW_96	2009-02-09		Coliform, Fecal	1300	cfu/100ml	
HCC-07	WW_96	2008-02-11		Coliform, Fecal	120	cfu/100ml	
HCC-07	WW_96	2007-10-08		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2006-12-11		Coliform, Fecal	760	cfu/100ml	
HCC-07	WW_96	2006-03-13		Coliform, Fecal	6800	cfu/100ml	
HCC-07	WW_96	2007-12-10		Coliform, Fecal	220	cfu/100ml	
HCC-07	WW_96	2009-04-13		Coliform, Fecal	9	cfu/100ml	
HCC-07	WW_96	2009-03-09		Coliform, Fecal	4400	cfu/100ml	
HCC-07	WW_96	2007-11-13		Coliform, Fecal	250	cfu/100ml	
HCC-07	WW_96	2008-01-14		Coliform, Fecal	790	cfu/100ml	
HCC-07	WW_96	2006-05-08		Coliform, Fecal	420	cfu/100ml	
HCC-07	WW_96	2009-05-11		Coliform, Fecal	330	cfu/100ml	
HCC-07	WW_96	2006-04-10		Coliform, Fecal	210	cfu/100ml	
HCC-07	WW_96	2007-08-13		Coliform, Fecal	500	cfu/100ml	
HCC-07	WW_96	2008-03-10		Coliform, Fecal	350	cfu/100ml	
HCC-07	WW_96	2009-11-09		Coliform, Fecal	280	cfu/100ml	
HCC-07	WW_96	2008-11-10		Coliform, Fecal	140	cfu/100ml	
HCC-07	WW_96	2010-02-08		Coliform, Fecal	0	cfu/100ml	
HCC-07	WW_96	2006-01-09		Coliform, Fecal	650	cfu/100ml	
HCC-07	WW_96	2009-12-14		Coliform, Fecal	870	cfu/100ml	
HCC-07	WW_96	2006-07-10		Coliform, Fecal	570	cfu/100ml	
HCC-07	WW_96	2007-09-10		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2009-09-14		Coliform, Fecal	540	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2009-01-12		Coliform, Fecal	140	cfu/100ml	
HCC-07	WW_96	2006-06-12		Coliform, Fecal	800	cfu/100ml	
HCC-07	WW_96	2008-12-08		Coliform, Fecal	440	cfu/100ml	
HCC-07	WW_96	2009-10-12		Coliform, Fecal	320	cfu/100ml	
HCC-07	WW_96	2007-01-08		Coliform, Fecal	370	cfu/100ml	
HCC-07	WW_96	2006-02-14		Coliform, Fecal	140	cfu/100ml	
HCC-07	WW_96	2001-01-16		Coliform, Fecal	8000	cfu/100ml	
HCC-07	WW_96	2001-04-09		Coliform, Fecal	42000	cfu/100ml	
HCC-07	WW_96	2003-04-14		Coliform, Fecal	3500	cfu/100ml	
HCC-07	WW_96	2002-09-09		Coliform, Fecal	580	cfu/100ml	
HCC-07	WW_96	2003-08-11		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2001-03-12		Coliform, Fecal	3300	cfu/100ml	
HCC-07	WW_96	2002-11-12		Coliform, Fecal	440	cfu/100ml	
HCC-07	WW_96	2001-02-13		Coliform, Fecal	3200	cfu/100ml	
HCC-07	WW_96	2003-06-09		Coliform, Fecal	2600	cfu/100ml	
HCC-07	WW_96	2002-12-09		Coliform, Fecal	1700	cfu/100ml	
HCC-07	WW_96	2003-01-13		Coliform, Fecal	670	cfu/100ml	
HCC-07	WW_96	2002-10-14		Coliform, Fecal	870	cfu/100ml	
HCC-07	WW_96	2003-07-14		Coliform, Fecal	920	cfu/100ml	
HCC-07	WW_96	2003-05-12		Coliform, Fecal	13000	cfu/100ml	
HCC-07	WW_96	2004-03-08		Coliform, Fecal	1000	cfu/100ml	
HCC-07	WW_96	2001-08-13		Coliform, Fecal	2400	cfu/100ml	
HCC-07	WW_96	2002-01-14		Coliform, Fecal	7800	cfu/100ml	
HCC-07	WW_96	2004-01-12		Coliform, Fecal	500	cfu/100ml	
HCC-07	WW_96	2001-07-09		Coliform, Fecal	2900	cfu/100ml	
HCC-07	WW_96	2002-02-11		Coliform, Fecal	1200	cfu/100ml	
HCC-07	WW_96	2001-09-10		Coliform, Fecal	4100	cfu/100ml	
HCC-07	WW_96	2004-05-10		Coliform, Fecal	680	cfu/100ml	
HCC-07	WW_96	2001-10-08		Coliform, Fecal	940	cfu/100ml	
HCC-07	WW_96	2001-12-10		Coliform, Fecal	2000	cfu/100ml	
HCC-07	WW_96	2001-11-13		Coliform, Fecal	1400	cfu/100ml	
HCC-07	WW_96	2004-04-12		Coliform, Fecal	200	cfu/100ml	
HCC-07	WW_96	2001-05-14		Coliform, Fecal	450	cfu/100ml	
HCC-07	WW_96	2003-10-13		Coliform, Fecal	760	cfu/100ml	
HCC-07	WW_96	2002-06-10		Coliform, Fecal	250	cfu/100ml	
HCC-07	WW_96	2002-08-12		Coliform, Fecal	640	cfu/100ml	
HCC-07	WW_96	2002-07-08		Coliform, Fecal	860	cfu/100ml	
HCC-07	WW_96	2003-09-08		Coliform, Fecal	730	cfu/100ml	
HCC-07	WW_96	2002-04-08		Coliform, Fecal	5700	cfu/100ml	
HCC-07	WW_96	2002-03-11		Coliform, Fecal	2000	cfu/100ml	
HCC-07	WW_96	2003-12-08		Coliform, Fecal	940	cfu/100ml	
HCC-07	WW_96	2002-05-13		Coliform, Fecal	25000	cfu/100ml	
HCC-07	WW_96	2001-06-11		Coliform, Fecal	540	cfu/100ml	
HCC-07	WW_96	2003-11-10		Coliform, Fecal	2200	cfu/100ml	
HCCB-05	WW_106	2011-11-14		Coliform, Fecal	6400	cfu/100ml	
HCCB-05	WW_106	2010-12-13		Coliform, Fecal	5800	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2012-01-17		Coliform, Fecal	7000	cfu/100ml	
HCCB-05	WW_106	2012-02-14		Coliform, Fecal	5900	cfu/100ml	
HCCB-05	WW_106	2010-11-08		Coliform, Fecal	4300	cfu/100ml	
HCCB-05	WW_106	2011-12-12		Coliform, Fecal	33000	cfu/100ml	
HCCB-05	WW_106	2012-03-12		Coliform, Fecal	19000	cfu/100ml	
HCCB-05	WW_106	2010-10-11		Coliform, Fecal	400	cfu/100ml	
HCCB-05	WW_106	2011-06-13		Coliform, Fecal	46000	cfu/100ml	
HCCB-05	WW_106	2011-07-11		Coliform, Fecal	700	cfu/100ml	
HCCB-05	WW_106	2012-05-14		Coliform, Fecal	350	cfu/100ml	
HCCB-05	WW_106	2011-02-14		Coliform, Fecal	6100	cfu/100ml	
HCCB-05	WW_106	2011-05-09		Coliform, Fecal	420	cfu/100ml	
HCCB-05	WW_106	2011-04-11		Coliform, Fecal	1500	cfu/100ml	
HCCB-05	WW_106	2011-03-14		Coliform, Fecal	5900	cfu/100ml	
HCCB-05	WW_106	2012-07-16		Coliform, Fecal	35000	cfu/100ml	
HCCB-05	WW_106	2011-01-10		Coliform, Fecal	6300	cfu/100ml	
HCCB-05	WW_106	2011-08-08		Coliform, Fecal	5000	cfu/100ml	
HCCB-05	WW_106	2004-10-11		Coliform, Fecal	1400	cfu/100ml	
HCCB-05	WW_106	2005-03-14		Coliform, Fecal	3200	cfu/100ml	
HCCB-05	WW_106	2002-02-11		Coliform, Fecal	520	cfu/100ml	
HCCB-05	WW_106	2001-04-09		Coliform, Fecal	2000	cfu/100ml	
HCCB-05	WW_106	2004-06-14		Coliform, Fecal	1800	cfu/100ml	
HCCB-05	WW_106	2004-05-10		Coliform, Fecal	1200	cfu/100ml	
HCCB-05	WW_106	2004-11-08		Coliform, Fecal	10000	cfu/100ml	
HCCB-05	WW_106	2004-04-12		Coliform, Fecal	3500	cfu/100ml	
HCCB-05	WW_106	2003-05-12		Coliform, Fecal	1900	cfu/100ml	
HCCB-05	WW_106	2004-03-08		Coliform, Fecal	700	cfu/100ml	
HCCB-05	WW_106	2003-07-14		Coliform, Fecal	5400	cfu/100ml	
HCCB-05	WW_106	2001-09-10		Coliform, Fecal	1700	cfu/100ml	
HCCB-05	WW_106	2001-03-12		Coliform, Fecal	2400	cfu/100ml	
HCCB-05	WW_106	2002-05-13		Coliform, Fecal	3900	cfu/100ml	
HCCB-05	WW_106	2002-08-12		Coliform, Fecal	170	cfu/100ml	
HCCB-05	WW_106	2005-02-14		Coliform, Fecal	400	cfu/100ml	
HCCB-05	WW_106	2001-05-14		Coliform, Fecal	2000	cfu/100ml	
HCCB-05	WW_106	2001-06-11		Coliform, Fecal	1100	cfu/100ml	
HCCB-05	WW_106	2004-01-12		Coliform, Fecal	4700	cfu/100ml	
HCCB-05	WW_106	2002-03-11		Coliform, Fecal	4500	cfu/100ml	
HCCB-05	WW_106	2005-08-08		Coliform, Fecal	510	cfu/100ml	
HCCB-05	WW_106	2002-06-10		Coliform, Fecal	760	cfu/100ml	
HCCB-05	WW_106	2003-10-13		Coliform, Fecal	5100	cfu/100ml	
HCCB-05	WW_106	2004-02-09		Coliform, Fecal	4300	cfu/100ml	
HCCB-05	WW_106	2002-04-08		Coliform, Fecal	5000	cfu/100ml	
HCCB-05	WW_106	2009-05-11		Coliform, Fecal	530	cfu/100ml	
HCCB-05	WW_106	2006-10-09		Coliform, Fecal	540	cfu/100ml	
HCCB-05	WW_106	2008-11-10		Coliform, Fecal	37000	cfu/100ml	
HCCB-05	WW_106	2007-01-08		Coliform, Fecal	3000	cfu/100ml	
HCCB-05	WW_106	2010-03-08		Coliform, Fecal	590	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-10-12		Coliform, Fecal	480	cfu/100ml	
HCCB-05	WW_106	2008-05-12		Coliform, Fecal	650	cfu/100ml	
HCCB-05	WW_106	2009-08-10		Coliform, Fecal	750	cfu/100ml	
HCCB-05	WW_106	2009-12-14		Coliform, Fecal	2500	cfu/100ml	
HCCB-05	WW_106	2009-06-08		Coliform, Fecal	5700	cfu/100ml	
HCCB-05	WW_106	2006-01-09		Coliform, Fecal	7100	cfu/100ml	
HCCB-05	WW_106	2010-08-09		Coliform, Fecal	10000	cfu/100ml	
HCCB-05	WW_106	2008-09-08		Coliform, Fecal	1100	cfu/100ml	
HCCB-05	WW_106	2008-03-10		Coliform, Fecal	650	cfu/100ml	
HCCB-05	WW_106	2009-11-09		Coliform, Fecal	9500	cfu/100ml	
HCCB-05	WW_106	2006-12-11		Coliform, Fecal	8000	cfu/100ml	
HCCB-05	WW_106	2008-04-14		Coliform, Fecal	640	cfu/100ml	
HCCB-05	WW_106	2008-10-13		Coliform, Fecal	1100	cfu/100ml	
HCCB-05	WW_106	2010-02-08		Coliform, Fecal	3400	cfu/100ml	
HCCB-05	WW_106	2006-03-13		Coliform, Fecal	340	cfu/100ml	
HCCB-05	WW_106	2005-11-14		Coliform, Fecal	2500	cfu/100ml	
HCCB-05	WW_106	2008-01-14		Coliform, Fecal	1300	cfu/100ml	
HCCB-05	WW_106	2006-09-11		Coliform, Fecal	32000	cfu/100ml	
HCCB-05	WW_106	2010-05-10		Coliform, Fecal	3900	cfu/100ml	
HCCB-05	WW_106	2008-12-08		Coliform, Fecal	5400	cfu/100ml	
HCCB-05	WW_106	2009-03-09		Coliform, Fecal	520	cfu/100ml	
HCCB-05	WW_106	2009-01-12		Coliform, Fecal	3300	cfu/100ml	
HCCB-05	WW_106	2009-09-14		Coliform, Fecal	990	cfu/100ml	
HCCB-05	WW_106	2009-02-09		Coliform, Fecal	2400	cfu/100ml	
HCCB-05	WW_106	2007-03-12		Coliform, Fecal	290	cfu/100ml	
HCCB-05	WW_106	2008-07-14		Coliform, Fecal	800	cfu/100ml	
HCCB-05	WW_106	2010-04-12		Coliform, Fecal	3600	cfu/100ml	
HCCB-05	WW_106	2007-08-13		Coliform, Fecal	1200	cfu/100ml	
HCCB-05	WW_106	2009-04-13		Coliform, Fecal	6800	cfu/100ml	
HCCB-05	WW_106	2007-12-10		Coliform, Fecal	36000	cfu/100ml	
HCCB-05	WW_106	2010-09-13		Coliform, Fecal	540	cfu/100ml	
HCCB-05	WW_106	2008-06-09		Coliform, Fecal	2800	cfu/100ml	
HCCB-05	WW_106	2008-08-11		Coliform, Fecal	320	cfu/100ml	
HCCB-05	WW_106	2010-07-12		Coliform, Fecal	3600	cfu/100ml	
HCCC-02	HCCC-02	2000-07-11		Coliform, Fecal	52000	cfu/100ml	
HCCC-02	HCCC-02	1999-06-22		Coliform, Fecal	1273	cfu/100ml	
HCCC-02	HCCC-02	1999-05-18		Coliform, Fecal	4500	cfu/100ml	
HCCC-02	HCCC-02	2000-08-10		Coliform, Fecal	540	cfu/100ml	
HCCC-02	HCCC-02	2000-09-28		Coliform, Fecal	800	cfu/100ml	
HCCC-02	HCCC-02	2002-05-20		Coliform, Fecal	200	cfu/100ml	
HCCC-02	HCCC-02	2005-08-08	11:45	Coliform, Fecal	1400	cfu/100ml	
HCCC-02	HCCC-02	2005-05-03	11:30	Coliform, Fecal	1100	cfu/100ml	
HCCC-02	HCCC-02	2004-09-14	11:00	Coliform, Fecal	2600	cfu/100ml	
HCCC-02	HCCC-02	2004-06-21	11:00	Coliform, Fecal	4000	cfu/100ml	
HCCC-02	HCCC-02	2004-08-04	11:15	Coliform, Fecal	20000	cfu/100ml	
HCCC-02	HCCC-02	2004-05-13	11:30	Coliform, Fecal	100	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2006-07-25	13:00	Coliform, Fecal	2800	cfu/100ml	
HCCC-02	HCCC-02	2005-06-06	11:30	Coliform, Fecal	1000	cfu/100ml	
HCCC-02	HCCC-02	2009-08-06	9:50	Coliform, Fecal	900	cfu/100ml	
HCCC-02	HCCC-02	2009-09-15	10:15	Coliform, Fecal	940	cfu/100ml	
HCCC-02	HCCC-02	2008-09-24	10:15	Coliform, Fecal	2500	cfu/100ml	
HCCC-02	HCCC-02	2008-08-20	10:30	Coliform, Fecal	2400	cfu/100ml	
HCCC-02	HCCC-02	2007-09-19	9:10	Coliform, Fecal	1333	cfu/100ml	
HCCC-02	HCCC-02	2007-07-24	9:20	Coliform, Fecal	138	cfu/100ml	
HCCC-02	HCCC-02	2007-06-07	9:20	Coliform, Fecal	310	cfu/100ml	
HCCC-02	HCCC-02	2006-09-28	9:00	Coliform, Fecal	390	cfu/100ml	
HCCC-02	HCCC-02	2012-10-29	11:55	Coliform, Fecal	81	cfu/100ml	
HCCC-02	HCCC-02	2012-09-17	10:05	Coliform, Fecal	420	cfu/100ml	
HCCC-02	HCCC-02	2012-07-24	9:35	Coliform, Fecal	3200	cfu/100ml	
HCCC-02	HCCC-02	2013-05-20	12:00	Coliform, Fecal	680	cfu/100ml	
HCCC-02	HCCC-02	2011-06-28	12:30	Coliform, Fecal	700	cfu/100ml	
HCCC-02	HCCC-02	2011-06-02	11:20	Coliform, Fecal	380	cfu/100ml	
HCCC-02	HCCC-02	2011-10-20	11:10	Coliform, Fecal	1800	cfu/100ml	
HCCC-02	HCCC-02	2012-06-25	9:30	Coliform, Fecal	2000	cfu/100ml	
HCCC-02	HCCC-02	2012-05-29	9:00	Coliform, Fecal	780	cfu/100ml	
HCCC-02	HCCC-02	2011-09-12	8:50	Coliform, Fecal	530	cfu/100ml	
HCCC-02	HCCC-02	2013-07-01	9:15	Coliform, Fecal	1300	cfu/100ml	
HCCC-02	HCCC-02	2013-10-29	12:50	Coliform, Fecal	110	cfu/100ml	
HCCC-02	HCCC-02	2013-09-26	8:40	Coliform, Fecal	3200	cfu/100ml	
HCCC-02	HCCC-02	2013-08-05	9:55	Coliform, Fecal	4400	cfu/100ml	
HCCC-02	HCCC-02	2002-07-01		Coliform, Fecal	1040	cfu/100ml	
HCCC-02	HCCC-02	2002-07-30		Coliform, Fecal	780	cfu/100ml	
HCCC-02	HCCC-02	2002-09-17		Coliform, Fecal	670	cfu/100ml	
HCCC-02	HCCC-02	2002-10-29		Coliform, Fecal	350	cfu/100ml	
HCCC-02	HCCC-02	2003-04-30	11:45	Coliform, Fecal	2200	cfu/100ml	
HCCC-02	HCCC-02	2001-09-18	12:50	Coliform, Fecal	15900	cfu/100ml	
HCCC-02	HCCC-02	2004-04-12	12:00	Coliform, Fecal	775	cfu/100ml	
HCCC-02	HCCC-02	2003-06-04	11:30	Coliform, Fecal	1020	cfu/100ml	
HCCC-02	HCCC-02	2003-07-16	12:15	Coliform, Fecal	700	cfu/100ml	
HCCC-02	HCCC-02	2003-08-21	11:00	Coliform, Fecal	728000	cfu/100ml	
HCCC-02	HCCC-02	2003-09-23	11:30	Coliform, Fecal	880	cfu/100ml	
HCCC-02	HCCC-02	2003-11-06	10:45	Coliform, Fecal	1717	cfu/100ml	
HCCC-02	HCCC-02	2003-12-22	10:45	Coliform, Fecal	4800	cfu/100ml	
HCCC-02	HCCC-02	2004-03-10	12:00	Coliform, Fecal	445	cfu/100ml	
HCCC-02	WW_31	2011-04-11		Coliform, Fecal	80	cfu/100ml	
HCCC-02	WW_31	2011-08-08		Coliform, Fecal	20000	cfu/100ml	
HCCC-02	WW_31	2011-11-14		Coliform, Fecal	680	cfu/100ml	
HCCC-02	WW_31	2011-06-13		Coliform, Fecal	360	cfu/100ml	
HCCC-02	WW_31	2011-07-11		Coliform, Fecal	1200	cfu/100ml	
HCCC-02	WW_31	2010-11-08		Coliform, Fecal	40	cfu/100ml	
HCCC-02	WW_31	2010-10-11		Coliform, Fecal	60	cfu/100ml	
HCCC-02	WW_31	2011-05-09		Coliform, Fecal	660	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2011-03-14		Coliform, Fecal	600	cfu/100ml	
HCCC-02	WW_31	2011-10-10		Coliform, Fecal	50	cfu/100ml	
HCCC-02	WW_31	2012-05-14		Coliform, Fecal	160	cfu/100ml	
HCCC-02	WW_31	2011-12-12		Coliform, Fecal	170	cfu/100ml	
HCCC-02	WW_31	2012-04-09		Coliform, Fecal	490	cfu/100ml	
HCCC-02	WW_31	2012-07-16		Coliform, Fecal	310	cfu/100ml	
HCCC-02	WW_31	2012-03-12		Coliform, Fecal	2800	cfu/100ml	
HCCC-02	WW_31	2005-06-13		Coliform, Fecal	160	cfu/100ml	
HCCC-02	WW_31	2005-04-11		Coliform, Fecal	210	cfu/100ml	
HCCC-02	WW_31	2005-05-09		Coliform, Fecal	260	cfu/100ml	
HCCC-02	WW_31	2005-08-08		Coliform, Fecal	3900	cfu/100ml	
HCCC-02	WW_31	2005-07-11		Coliform, Fecal	770	cfu/100ml	
HCCC-02	WW_31	2005-09-12		Coliform, Fecal	4800	cfu/100ml	
HCCC-02	WW_31	2004-11-08		Coliform, Fecal	580	cfu/100ml	
HCCC-02	WW_31	2004-08-09		Coliform, Fecal	2100	cfu/100ml	
HCCC-02	WW_31	2004-09-13		Coliform, Fecal	4100	cfu/100ml	
HCCC-02	WW_31	2004-12-13		Coliform, Fecal	620	cfu/100ml	
HCCC-02	WW_31	2004-06-14		Coliform, Fecal	630	cfu/100ml	
HCCC-02	WW_31	2004-07-12		Coliform, Fecal	400	cfu/100ml	
HCCC-02	WW_31	2005-02-14		Coliform, Fecal	400	cfu/100ml	
HCCC-02	WW_31	2005-03-14		Coliform, Fecal	680	cfu/100ml	
HCCC-02	WW_31	2004-10-11		Coliform, Fecal	750	cfu/100ml	
HCCC-02	WW_31	2009-10-12		Coliform, Fecal	190	cfu/100ml	
HCCC-02	WW_31	2007-04-09		Coliform, Fecal	550	cfu/100ml	
HCCC-02	WW_31	2009-11-09		Coliform, Fecal	290	cfu/100ml	
HCCC-02	WW_31	2006-12-11		Coliform, Fecal	730	cfu/100ml	
HCCC-02	WW_31	2007-11-13		Coliform, Fecal	700	cfu/100ml	
HCCC-02	WW_31	2010-09-13		Coliform, Fecal	510	cfu/100ml	
HCCC-02	WW_31	2010-07-12		Coliform, Fecal	20000	cfu/100ml	
HCCC-02	WW_31	2007-08-13		Coliform, Fecal	1200	cfu/100ml	
HCCC-02	WW_31	2010-04-12		Coliform, Fecal	130	cfu/100ml	
HCCC-02	WW_31	2010-05-10		Coliform, Fecal	500	cfu/100ml	
HCCC-02	WW_31	2010-06-14		Coliform, Fecal	1400	cfu/100ml	
HCCC-02	WW_31	2007-03-12		Coliform, Fecal	140	cfu/100ml	
HCCC-02	WW_31	2005-11-14		Coliform, Fecal	410	cfu/100ml	
HCCC-02	WW_31	2007-06-11		Coliform, Fecal	710	cfu/100ml	
HCCC-02	WW_31	2007-07-09		Coliform, Fecal	1500	cfu/100ml	
HCCC-02	WW_31	2006-01-09		Coliform, Fecal	3000	cfu/100ml	
HCCC-02	WW_31	2010-08-09		Coliform, Fecal	20000	cfu/100ml	
HCCC-02	WW_31	2007-05-14		Coliform, Fecal	220	cfu/100ml	
HCCC-02	WW_31	2007-10-08		Coliform, Fecal	380	cfu/100ml	
HCCC-02	WW_31	2009-12-14		Coliform, Fecal	860	cfu/100ml	
HCCC-02	WW_31	2007-09-10		Coliform, Fecal	1500	cfu/100ml	
HCCC-02	WW_31	2010-03-08		Coliform, Fecal	440	cfu/100ml	
HCCC-02	WW_31	2007-01-08		Coliform, Fecal	1200	cfu/100ml	
HCCC-02	WW_31	2005-10-10		Coliform, Fecal	140	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2008-08-11		Coliform, Fecal	2300	cfu/100ml	
HCCC-02	WW_31	2008-03-10		Coliform, Fecal	6500	cfu/100ml	
HCCC-02	WW_31	2006-07-10		Coliform, Fecal	320	cfu/100ml	
HCCC-02	WW_31	2008-11-10		Coliform, Fecal	200	cfu/100ml	
HCCC-02	WW_31	2009-03-09		Coliform, Fecal	210	cfu/100ml	
HCCC-02	WW_31	2009-07-13		Coliform, Fecal	810	cfu/100ml	
HCCC-02	WW_31	2006-10-09		Coliform, Fecal	450	cfu/100ml	
HCCC-02	WW_31	2006-04-10		Coliform, Fecal	660	cfu/100ml	
HCCC-02	WW_31	2008-04-14		Coliform, Fecal	1100	cfu/100ml	
HCCC-02	WW_31	2008-07-14		Coliform, Fecal	1000	cfu/100ml	
HCCC-02	WW_31	2009-05-11		Coliform, Fecal	310	cfu/100ml	
HCCC-02	WW_31	2006-06-12		Coliform, Fecal	680	cfu/100ml	
HCCC-02	WW_31	2006-09-11		Coliform, Fecal	31000	cfu/100ml	
HCCC-02	WW_31	2009-06-08		Coliform, Fecal	5800	cfu/100ml	
HCCC-02	WW_31	2009-04-13		Coliform, Fecal	320	cfu/100ml	
HCCC-02	WW_31	2008-10-13		Coliform, Fecal	680	cfu/100ml	
HCCC-02	WW_31	2008-09-08		Coliform, Fecal	1300	cfu/100ml	
HCCC-02	WW_31	2009-08-10		Coliform, Fecal	570	cfu/100ml	
HCCC-02	WW_31	2006-11-13		Coliform, Fecal	800	cfu/100ml	
HCCC-02	WW_31	2009-09-14		Coliform, Fecal	1800	cfu/100ml	
HCCC-02	WW_31	2008-01-14		Coliform, Fecal	4700	cfu/100ml	
HCCC-02	WW_31	2006-05-08		Coliform, Fecal	520	cfu/100ml	
HCCC-02	WW_31	2006-03-13		Coliform, Fecal	600	cfu/100ml	
HCCC-02	WW_31	2006-08-14		Coliform, Fecal	480	cfu/100ml	
HCCC-02	WW_31	2008-06-09		Coliform, Fecal	9100	cfu/100ml	
HCCC-02	WW_31	2008-05-12		Coliform, Fecal	3500	cfu/100ml	
HCCC-02	WW_31	2001-06-11		Coliform, Fecal	520	cfu/100ml	
HCCC-02	WW_31	2001-12-10		Coliform, Fecal	650	cfu/100ml	
HCCC-02	WW_31	2001-10-08		Coliform, Fecal	1100	cfu/100ml	
HCCC-02	WW_31	2001-11-13		Coliform, Fecal	1100	cfu/100ml	
HCCC-02	WW_31	2003-04-14		Coliform, Fecal	120	cfu/100ml	
HCCC-02	WW_31	2002-04-08		Coliform, Fecal	630	cfu/100ml	
HCCC-02	WW_31	2001-07-09		Coliform, Fecal	2000	cfu/100ml	
HCCC-02	WW_31	2001-02-13		Coliform, Fecal	90	cfu/100ml	
HCCC-02	WW_31	2002-05-13		Coliform, Fecal	2000	cfu/100ml	
HCCC-02	WW_31	2002-08-12		Coliform, Fecal	33000	cfu/100ml	
HCCC-02	WW_31	2002-10-14		Coliform, Fecal	380	cfu/100ml	
HCCC-02	WW_31	2001-05-14		Coliform, Fecal	540	cfu/100ml	
HCCC-02	WW_31	2002-02-11		Coliform, Fecal	550	cfu/100ml	
HCCC-02	WW_31	2002-09-09		Coliform, Fecal	1600	cfu/100ml	
HCCC-02	WW_31	2001-04-09		Coliform, Fecal	910	cfu/100ml	
HCCC-02	WW_31	2002-03-11		Coliform, Fecal	1000	cfu/100ml	
HCCC-02	WW_31	2002-06-10		Coliform, Fecal	530	cfu/100ml	
HCCC-02	WW_31	2001-03-12		Coliform, Fecal	450	cfu/100ml	
HCCC-02	WW_31	2001-09-10		Coliform, Fecal	2200	cfu/100ml	
HCCC-02	WW_31	2001-08-13		Coliform, Fecal	1500	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2002-11-12		Coliform, Fecal	1200	cfu/100ml	
HCCC-02	WW_31	2002-07-08		Coliform, Fecal	430	cfu/100ml	
HCCC-02	WW_31	2004-05-10		Coliform, Fecal	240	cfu/100ml	
HCCC-02	WW_31	2004-03-08		Coliform, Fecal	90	cfu/100ml	
HCCC-02	WW_31	2003-10-13		Coliform, Fecal	350	cfu/100ml	
HCCC-02	WW_31	2003-11-10		Coliform, Fecal	1100	cfu/100ml	
HCCC-02	WW_31	2003-06-09		Coliform, Fecal	400	cfu/100ml	
HCCC-02	WW_31	2003-09-08		Coliform, Fecal	10000	cfu/100ml	
HCCC-02	WW_31	2003-05-12		Coliform, Fecal	800	cfu/100ml	
HCCC-02	WW_31	2003-12-08		Coliform, Fecal	950	cfu/100ml	
HCCC-02	WW_31	2003-08-11		Coliform, Fecal	890	cfu/100ml	
HCCC-02	WW_31	2004-04-12		Coliform, Fecal	5100	cfu/100ml	
HCCC-02	WW_31	2003-07-14		Coliform, Fecal	790	cfu/100ml	
HCCC-04	WW_103	2011-10-10		Coliform, Fecal	300	cfu/100ml	
HCCC-04	WW_103	2011-04-11		Coliform, Fecal	480	cfu/100ml	
HCCC-04	WW_103	2011-11-14		Coliform, Fecal	940	cfu/100ml	
HCCC-04	WW_103	2012-07-16		Coliform, Fecal	570	cfu/100ml	
HCCC-04	WW_103	2011-05-09		Coliform, Fecal	220	cfu/100ml	
HCCC-04	WW_103	2011-12-12		Coliform, Fecal	470	cfu/100ml	
HCCC-04	WW_103	2012-03-12		Coliform, Fecal	520	cfu/100ml	
HCCC-04	WW_103	2012-05-14		Coliform, Fecal	90	cfu/100ml	
HCCC-04	WW_103	2011-07-11		Coliform, Fecal	890	cfu/100ml	
HCCC-04	WW_103	2012-04-09		Coliform, Fecal	1800	cfu/100ml	
HCCC-04	WW_103	2011-08-08		Coliform, Fecal	9000	cfu/100ml	
HCCC-04	WW_103	2012-06-11		Coliform, Fecal	100	cfu/100ml	
HCCC-04	WW_103	2011-06-13		Coliform, Fecal	400	cfu/100ml	
HCCC-04	WW_103	2012-01-17		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2011-09-12		Coliform, Fecal	490	cfu/100ml	
HCCC-04	WW_103	2012-02-14		Coliform, Fecal	1500	cfu/100ml	
HCCC-04	WW_103	2010-10-11		Coliform, Fecal	130	cfu/100ml	
HCCC-04	WW_103	2011-03-14		Coliform, Fecal	820	cfu/100ml	
HCCC-04	WW_103	2010-11-08		Coliform, Fecal	40	cfu/100ml	
HCCC-04	WW_103	2011-02-14		Coliform, Fecal	4600	cfu/100ml	
HCCC-04	WW_103	2001-07-09		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2003-12-08		Coliform, Fecal	460	cfu/100ml	
HCCC-04	WW_103	2005-02-14		Coliform, Fecal	1400	cfu/100ml	
HCCC-04	WW_103	2002-04-08		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2002-06-10		Coliform, Fecal	580	cfu/100ml	
HCCC-04	WW_103	2003-11-10		Coliform, Fecal	1000	cfu/100ml	
HCCC-04	WW_103	2002-05-13		Coliform, Fecal	4000	cfu/100ml	
HCCC-04	WW_103	2001-06-11		Coliform, Fecal	540	cfu/100ml	
HCCC-04	WW_103	2004-08-09		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_103	2005-07-11		Coliform, Fecal	420	cfu/100ml	
HCCC-04	WW_103	2001-12-10		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2002-01-14		Coliform, Fecal	470	cfu/100ml	
HCCC-04	WW_103	2005-01-10		Coliform, Fecal	1400	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2001-11-13		Coliform, Fecal	410	cfu/100ml	
HCCC-04	WW_103	2001-10-08		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2004-05-10		Coliform, Fecal	1300	cfu/100ml	
HCCC-04	WW_103	2004-04-12		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_103	2005-06-13		Coliform, Fecal	130	cfu/100ml	
HCCC-04	WW_103	2001-08-13		Coliform, Fecal	740	cfu/100ml	
HCCC-04	WW_103	2004-07-12		Coliform, Fecal	1300	cfu/100ml	
HCCC-04	WW_103	2002-03-11		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2001-09-10		Coliform, Fecal	12000	cfu/100ml	
HCCC-04	WW_103	2004-03-08		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2002-02-11		Coliform, Fecal	1500	cfu/100ml	
HCCC-04	WW_103	2004-06-14		Coliform, Fecal	430	cfu/100ml	
HCCC-04	WW_103	2003-07-14		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_103	2005-09-12		Coliform, Fecal	600	cfu/100ml	
HCCC-04	WW_103	2002-11-12		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_103	2001-04-09		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2005-03-14		Coliform, Fecal	550	cfu/100ml	
HCCC-04	WW_103	2004-10-11		Coliform, Fecal	410	cfu/100ml	
HCCC-04	WW_103	2005-05-09		Coliform, Fecal	330	cfu/100ml	
HCCC-04	WW_103	2002-10-14		Coliform, Fecal	1400	cfu/100ml	
HCCC-04	WW_103	2003-05-12		Coliform, Fecal	2900	cfu/100ml	
HCCC-04	WW_103	2004-11-08		Coliform, Fecal	340	cfu/100ml	
HCCC-04	WW_103	2003-04-14		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_103	2003-06-09		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2001-03-12		Coliform, Fecal	1000	cfu/100ml	
HCCC-04	WW_103	2005-04-11		Coliform, Fecal	680	cfu/100ml	
HCCC-04	WW_103	2003-09-08		Coliform, Fecal	790	cfu/100ml	
HCCC-04	WW_103	2003-08-11		Coliform, Fecal	520	cfu/100ml	
HCCC-04	WW_103	2001-05-14		Coliform, Fecal	60	cfu/100ml	
HCCC-04	WW_103	2004-09-13		Coliform, Fecal	330	cfu/100ml	
HCCC-04	WW_103	2004-12-13		Coliform, Fecal	2200	cfu/100ml	
HCCC-04	WW_103	2002-07-08		Coliform, Fecal	310	cfu/100ml	
HCCC-04	WW_103	2002-08-12		Coliform, Fecal	100	cfu/100ml	
HCCC-04	WW_103	2002-09-09		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_103	2008-05-12		Coliform, Fecal	1300	cfu/100ml	
HCCC-04	WW_103	2006-08-14		Coliform, Fecal	210	cfu/100ml	
HCCC-04	WW_103	2006-07-10		Coliform, Fecal	160	cfu/100ml	
HCCC-04	WW_103	2009-07-13		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_103	2008-10-13		Coliform, Fecal	440	cfu/100ml	
HCCC-04	WW_103	2009-04-13		Coliform, Fecal	820	cfu/100ml	
HCCC-04	WW_103	2006-05-08		Coliform, Fecal	470	cfu/100ml	
HCCC-04	WW_103	2008-09-08		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2006-03-13		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2008-06-09		Coliform, Fecal	6700	cfu/100ml	
HCCC-04	WW_103	2006-06-12		Coliform, Fecal	980	cfu/100ml	
HCCC-04	WW_103	2009-05-11		Coliform, Fecal	820	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-04-10		Coliform, Fecal	340	cfu/100ml	
HCCC-04	WW_103	2009-02-09		Coliform, Fecal	1300	cfu/100ml	
HCCC-04	WW_103	2006-10-09		Coliform, Fecal	930	cfu/100ml	
HCCC-04	WW_103	2008-07-14		Coliform, Fecal	390	cfu/100ml	
HCCC-04	WW_103	2008-04-14		Coliform, Fecal	550	cfu/100ml	
HCCC-04	WW_103	2009-03-09		Coliform, Fecal	10000	cfu/100ml	
HCCC-04	WW_103	2008-03-10		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2008-11-10		Coliform, Fecal	3500	cfu/100ml	
HCCC-04	WW_103	2006-09-11		Coliform, Fecal	20000	cfu/100ml	
HCCC-04	WW_103	2008-08-11		Coliform, Fecal	460	cfu/100ml	
HCCC-04	WW_103	2009-06-08		Coliform, Fecal	10000	cfu/100ml	
HCCC-04	WW_103	2007-06-11		Coliform, Fecal	200	cfu/100ml	
HCCC-04	WW_103	2007-03-12		Coliform, Fecal	530	cfu/100ml	
HCCC-04	WW_103	2006-02-14		Coliform, Fecal	520	cfu/100ml	
HCCC-04	WW_103	2007-12-10		Coliform, Fecal	5200	cfu/100ml	
HCCC-04	WW_103	2007-08-13		Coliform, Fecal	2200	cfu/100ml	
HCCC-04	WW_103	2010-05-10		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_103	2010-04-12		Coliform, Fecal	200	cfu/100ml	
HCCC-04	WW_103	2010-07-12		Coliform, Fecal	3800	cfu/100ml	
HCCC-04	WW_103	2009-10-12		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2006-01-09		Coliform, Fecal	310	cfu/100ml	
HCCC-04	WW_103	2007-07-09		Coliform, Fecal	320	cfu/100ml	
HCCC-04	WW_103	2009-12-14		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2005-11-14		Coliform, Fecal	4700	cfu/100ml	
HCCC-04	WW_103	2009-11-09		Coliform, Fecal	390	cfu/100ml	
HCCC-04	WW_103	2007-11-13		Coliform, Fecal	530	cfu/100ml	
HCCC-04	WW_103	2007-10-08		Coliform, Fecal	460	cfu/100ml	
HCCC-04	WW_103	2010-06-14		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2006-12-11		Coliform, Fecal	4100	cfu/100ml	
HCCC-04	WW_103	2008-01-14		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2010-08-09		Coliform, Fecal	3200	cfu/100ml	
HCCC-04	WW_103	2010-03-08		Coliform, Fecal	470	cfu/100ml	
HCCC-04	WW_103	2009-08-10		Coliform, Fecal	280	cfu/100ml	
HCCC-04	WW_103	2007-01-08		Coliform, Fecal	620	cfu/100ml	
HCCC-04	WW_103	2010-09-13		Coliform, Fecal	730	cfu/100ml	
HCCC-04	WW_103	2007-04-09		Coliform, Fecal	610	cfu/100ml	
HCCC-04	WW_103	2007-09-10		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_103	2006-11-13		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_103	2010-02-08		Coliform, Fecal	530	cfu/100ml	
HCCC-04	WW_103	2007-05-14		Coliform, Fecal	240	cfu/100ml	
HCCC-04	WW_103	2005-10-10		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_103	2009-09-14		Coliform, Fecal	210	cfu/100ml	
HCCC-04	WW_104	2012-02-14		Coliform, Fecal	130	cfu/100ml	
HCCC-04	WW_104	2012-01-17		Coliform, Fecal	5100	cfu/100ml	
HCCC-04	WW_104	2012-06-11		Coliform, Fecal	150	cfu/100ml	
HCCC-04	WW_104	2011-06-13		Coliform, Fecal	90	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2011-01-10		Coliform, Fecal	29000	cfu/100ml	
HCCC-04	WW_104	2012-03-12		Coliform, Fecal	850	cfu/100ml	
HCCC-04	WW_104	2012-04-09		Coliform, Fecal	50	cfu/100ml	
HCCC-04	WW_104	2010-12-13		Coliform, Fecal	540	cfu/100ml	
HCCC-04	WW_104	2011-08-08		Coliform, Fecal	10000	cfu/100ml	
HCCC-04	WW_104	2010-11-08		Coliform, Fecal	160	cfu/100ml	
HCCC-04	WW_104	2012-05-14		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_104	2011-09-12		Coliform, Fecal	210	cfu/100ml	
HCCC-04	WW_104	2011-02-14		Coliform, Fecal	600	cfu/100ml	
HCCC-04	WW_104	2011-07-11		Coliform, Fecal	60000	cfu/100ml	
HCCC-04	WW_104	2010-10-11		Coliform, Fecal	90	cfu/100ml	
HCCC-04	WW_104	2011-12-12		Coliform, Fecal	100	cfu/100ml	
HCCC-04	WW_104	2011-05-09		Coliform, Fecal	350	cfu/100ml	
HCCC-04	WW_104	2011-04-11		Coliform, Fecal	200	cfu/100ml	
HCCC-04	WW_104	2012-07-16		Coliform, Fecal	280	cfu/100ml	
HCCC-04	WW_104	2011-10-10		Coliform, Fecal	230	cfu/100ml	
HCCC-04	WW_104	2011-11-14		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_104	2011-03-14		Coliform, Fecal	340	cfu/100ml	
HCCC-04	WW_104	2002-08-12		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_104	2005-07-11		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_104	2005-06-13		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_104	2005-04-11		Coliform, Fecal	230	cfu/100ml	
HCCC-04	WW_104	2002-01-14		Coliform, Fecal	420	cfu/100ml	
HCCC-04	WW_104	2003-04-14		Coliform, Fecal	170	cfu/100ml	
HCCC-04	WW_104	2001-12-10		Coliform, Fecal	410	cfu/100ml	
HCCC-04	WW_104	2001-11-13		Coliform, Fecal	540	cfu/100ml	
HCCC-04	WW_104	2004-04-12		Coliform, Fecal	160	cfu/100ml	
HCCC-04	WW_104	2003-05-12		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_104	2002-03-11		Coliform, Fecal	330	cfu/100ml	
HCCC-04	WW_104	2004-01-12		Coliform, Fecal	440	cfu/100ml	
HCCC-04	WW_104	2002-04-08		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_104	2003-08-11		Coliform, Fecal	2300	cfu/100ml	
HCCC-04	WW_104	2005-05-09		Coliform, Fecal	3500	cfu/100ml	
HCCC-04	WW_104	2002-10-14		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_104	2005-02-14		Coliform, Fecal	570	cfu/100ml	
HCCC-04	WW_104	2005-03-14		Coliform, Fecal	60	cfu/100ml	
HCCC-04	WW_104	2002-09-09		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_104	2002-11-12		Coliform, Fecal	1400	cfu/100ml	
HCCC-04	WW_104	2002-05-13		Coliform, Fecal	4000	cfu/100ml	
HCCC-04	WW_104	2004-03-08		Coliform, Fecal	2600	cfu/100ml	
HCCC-04	WW_104	2004-02-09		Coliform, Fecal	6700	cfu/100ml	
HCCC-04	WW_104	2002-02-11		Coliform, Fecal	4600	cfu/100ml	
HCCC-04	WW_104	2004-07-12		Coliform, Fecal	1200	cfu/100ml	
HCCC-04	WW_104	2001-03-12		Coliform, Fecal	22000	cfu/100ml	
HCCC-04	WW_104	2001-04-09		Coliform, Fecal	380	cfu/100ml	
HCCC-04	WW_104	2001-05-14		Coliform, Fecal	150	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2001-09-10		Coliform, Fecal	2600	cfu/100ml	
HCCC-04	WW_104	2004-12-13		Coliform, Fecal	2700	cfu/100ml	
HCCC-04	WW_104	2004-10-11		Coliform, Fecal	840	cfu/100ml	
HCCC-04	WW_104	2001-08-13		Coliform, Fecal	5800	cfu/100ml	
HCCC-04	WW_104	2004-06-14		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_104	2005-09-12		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_104	2005-08-08		Coliform, Fecal	3200	cfu/100ml	
HCCC-04	WW_104	2004-11-08		Coliform, Fecal	870	cfu/100ml	
HCCC-04	WW_104	2004-09-13		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_104	2001-07-09		Coliform, Fecal	2300	cfu/100ml	
HCCC-04	WW_104	2005-01-10		Coliform, Fecal	2000	cfu/100ml	
HCCC-04	WW_104	2004-08-09		Coliform, Fecal	600	cfu/100ml	
HCCC-04	WW_104	2001-10-08		Coliform, Fecal	910	cfu/100ml	
HCCC-04	WW_104	2001-06-11		Coliform, Fecal	330	cfu/100ml	
HCCC-04	WW_104	2004-05-10		Coliform, Fecal	54000	cfu/100ml	
HCCC-04	WW_104	2007-08-13		Coliform, Fecal	520	cfu/100ml	
HCCC-04	WW_104	2010-03-08		Coliform, Fecal	130	cfu/100ml	
HCCC-04	WW_104	2009-03-09		Coliform, Fecal	520	cfu/100ml	
HCCC-04	WW_104	2010-04-12		Coliform, Fecal	180	cfu/100ml	
HCCC-04	WW_104	2007-01-08		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_104	2009-02-09		Coliform, Fecal	310	cfu/100ml	
HCCC-04	WW_104	2005-12-12		Coliform, Fecal	420	cfu/100ml	
HCCC-04	WW_104	2008-07-14		Coliform, Fecal	400	cfu/100ml	
HCCC-04	WW_104	2006-09-11		Coliform, Fecal	29000	cfu/100ml	
HCCC-04	WW_104	2007-05-14		Coliform, Fecal	230	cfu/100ml	
HCCC-04	WW_104	2006-08-14		Coliform, Fecal	860	cfu/100ml	
HCCC-04	WW_104	2010-08-09		Coliform, Fecal	3900	cfu/100ml	
HCCC-04	WW_104	2005-10-10		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_104	2008-11-10		Coliform, Fecal	150	cfu/100ml	
HCCC-04	WW_104	2006-07-10		Coliform, Fecal	500	cfu/100ml	
HCCC-04	WW_104	2007-04-09		Coliform, Fecal	340	cfu/100ml	
HCCC-04	WW_104	2010-09-13		Coliform, Fecal	80	cfu/100ml	
HCCC-04	WW_104	2008-09-08		Coliform, Fecal	1100	cfu/100ml	
HCCC-04	WW_104	2008-10-13		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_104	2005-11-14		Coliform, Fecal	270	cfu/100ml	
HCCC-04	WW_104	2009-01-12		Coliform, Fecal	550	cfu/100ml	
HCCC-04	WW_104	2007-07-09		Coliform, Fecal	480	cfu/100ml	
HCCC-04	WW_104	2006-06-12		Coliform, Fecal	270	cfu/100ml	
HCCC-04	WW_104	2008-12-08		Coliform, Fecal	160	cfu/100ml	
HCCC-04	WW_104	2008-08-11		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_104	2007-03-12		Coliform, Fecal	130	cfu/100ml	
HCCC-04	WW_104	2007-06-11		Coliform, Fecal	11000	cfu/100ml	
HCCC-04	WW_104	2010-05-10		Coliform, Fecal	30	cfu/100ml	
HCCC-04	WW_104	2006-02-14		Coliform, Fecal	18000	cfu/100ml	
HCCC-04	WW_104	2007-12-10		Coliform, Fecal	5500	cfu/100ml	
HCCC-04	WW_104	2009-06-08		Coliform, Fecal	6600	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2009-10-12		Coliform, Fecal	80	cfu/100ml	
HCCC-04	WW_104	2009-05-11		Coliform, Fecal	120	cfu/100ml	
HCCC-04	WW_104	2006-04-10		Coliform, Fecal	900	cfu/100ml	
HCCC-04	WW_104	2008-04-14		Coliform, Fecal	460	cfu/100ml	
HCCC-04	WW_104	2006-12-11		Coliform, Fecal	330	cfu/100ml	
HCCC-04	WW_104	2006-10-09		Coliform, Fecal	230	cfu/100ml	
HCCC-04	WW_104	2007-11-13		Coliform, Fecal	550	cfu/100ml	
HCCC-04	WW_104	2009-11-09		Coliform, Fecal	140	cfu/100ml	
HCCC-04	WW_104	2006-03-13		Coliform, Fecal	2300	cfu/100ml	
HCCC-04	WW_104	2008-01-14		Coliform, Fecal	880	cfu/100ml	
HCCC-04	WW_104	2009-08-10		Coliform, Fecal	660	cfu/100ml	
HCCC-04	WW_104	2008-02-11		Coliform, Fecal	260	cfu/100ml	
HCCC-04	WW_104	2006-11-13		Coliform, Fecal	460	cfu/100ml	
HCCC-04	WW_104	2009-07-13		Coliform, Fecal	450	cfu/100ml	
HCCC-04	WW_104	2008-03-10		Coliform, Fecal	560	cfu/100ml	
HCCC-04	WW_104	2009-09-14		Coliform, Fecal	290	cfu/100ml	
HCCC-04	WW_104	2009-04-13		Coliform, Fecal	190	cfu/100ml	
HCCC-04	WW_104	2008-05-12		Coliform, Fecal	400	cfu/100ml	
HCCC-04	WW_104	2007-09-10		Coliform, Fecal	12000	cfu/100ml	
HCCC-04	WW_104	2006-01-09		Coliform, Fecal	140	cfu/100ml	
HCCC-04	WW_104	2007-10-08		Coliform, Fecal	270	cfu/100ml	
HCCC-04	WW_104	2006-05-08		Coliform, Fecal	250	cfu/100ml	
HCCC-04	WW_104	2008-06-09		Coliform, Fecal	16000	cfu/100ml	
HCCC-04	WW_104	2010-02-08		Coliform, Fecal	170	cfu/100ml	
HCCC-04	WW_104	2009-12-14		Coliform, Fecal	550	cfu/100ml	
HCCD-01	WW_32	2010-11-08		Coliform, Fecal	420	cfu/100ml	
HCCD-01	WW_32	2012-07-16		Coliform, Fecal	200	cfu/100ml	
HCCD-01	WW_32	2012-04-09		Coliform, Fecal	10000	cfu/100ml	
HCCD-01	WW_32	2012-05-14		Coliform, Fecal	9400	cfu/100ml	
HCCD-01	WW_32	2011-07-11		Coliform, Fecal	90000	cfu/100ml	
HCCD-01	WW_32	2011-06-13		Coliform, Fecal	460	cfu/100ml	
HCCD-01	WW_32	2012-06-11		Coliform, Fecal	510	cfu/100ml	
HCCD-01	WW_32	2012-03-12		Coliform, Fecal	9500	cfu/100ml	
HCCD-01	WW_32	2011-08-08		Coliform, Fecal	30000	cfu/100ml	
HCCD-01	WW_32	2011-10-10		Coliform, Fecal	12000	cfu/100ml	
HCCD-01	WW_32	2010-10-11		Coliform, Fecal	60	cfu/100ml	
HCCD-01	WW_32	2011-09-12		Coliform, Fecal	300	cfu/100ml	
HCCD-01	WW_32	2011-11-14		Coliform, Fecal	5100	cfu/100ml	
HCCD-01	WW_32	2011-12-12		Coliform, Fecal	5900	cfu/100ml	
HCCD-01	WW_32	2011-05-09		Coliform, Fecal	760	cfu/100ml	
HCCD-01	WW_32	2011-04-11		Coliform, Fecal	400	cfu/100ml	
HCCD-01	WW_32	2012-01-17		Coliform, Fecal	2100	cfu/100ml	
HCCD-01	WW_32	2011-03-14		Coliform, Fecal	480	cfu/100ml	
HCCD-01	WW_32	2004-06-14		Coliform, Fecal	1000	cfu/100ml	
HCCD-01	WW_32	2004-09-13		Coliform, Fecal	650	cfu/100ml	
HCCD-01	WW_32	2005-03-14		Coliform, Fecal	670	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2004-07-12		Coliform, Fecal	720	cfu/100ml	
HCCD-01	WW_32	2005-08-08		Coliform, Fecal	120	cfu/100ml	
HCCD-01	WW_32	2004-08-09		Coliform, Fecal	2000	cfu/100ml	
HCCD-01	WW_32	2005-02-14		Coliform, Fecal	530	cfu/100ml	
HCCD-01	WW_32	2004-12-13		Coliform, Fecal	1400	cfu/100ml	
HCCD-01	WW_32	2005-07-11		Coliform, Fecal	200	cfu/100ml	
HCCD-01	WW_32	2005-06-13		Coliform, Fecal	640	cfu/100ml	
HCCD-01	WW_32	2005-04-11		Coliform, Fecal	9200	cfu/100ml	
HCCD-01	WW_32	2005-05-09		Coliform, Fecal	710	cfu/100ml	
HCCD-01	WW_32	2005-09-12		Coliform, Fecal	900	cfu/100ml	
HCCD-01	WW_32	2004-10-11		Coliform, Fecal	5900	cfu/100ml	
HCCD-01	WW_32	2004-11-08		Coliform, Fecal	590	cfu/100ml	
HCCD-01	WW_32	2009-03-09		Coliform, Fecal	370	cfu/100ml	
HCCD-01	WW_32	2006-05-08		Coliform, Fecal	170	cfu/100ml	
HCCD-01	WW_32	2006-09-11		Coliform, Fecal	10000	cfu/100ml	
HCCD-01	WW_32	2007-07-09		Coliform, Fecal	410	cfu/100ml	
HCCD-01	WW_32	2010-05-10		Coliform, Fecal	310	cfu/100ml	
HCCD-01	WW_32	2005-11-14		Coliform, Fecal	320	cfu/100ml	
HCCD-01	WW_32	2008-06-09		Coliform, Fecal	24000	cfu/100ml	
HCCD-01	WW_32	2006-08-14		Coliform, Fecal	210	cfu/100ml	
HCCD-01	WW_32	2010-08-09		Coliform, Fecal	46000	cfu/100ml	
HCCD-01	WW_32	2007-05-14		Coliform, Fecal	690	cfu/100ml	
HCCD-01	WW_32	2005-10-10		Coliform, Fecal	40	cfu/100ml	
HCCD-01	WW_32	2006-07-10		Coliform, Fecal	130	cfu/100ml	
HCCD-01	WW_32	2010-09-13		Coliform, Fecal	240	cfu/100ml	
HCCD-01	WW_32	2007-04-09		Coliform, Fecal	600	cfu/100ml	
HCCD-01	WW_32	2008-09-08		Coliform, Fecal	860	cfu/100ml	
HCCD-01	WW_32	2008-10-13		Coliform, Fecal	490	cfu/100ml	
HCCD-01	WW_32	2006-06-12		Coliform, Fecal	470	cfu/100ml	
HCCD-01	WW_32	2010-06-14		Coliform, Fecal	320	cfu/100ml	
HCCD-01	WW_32	2008-07-14		Coliform, Fecal	540	cfu/100ml	
HCCD-01	WW_32	2008-11-10		Coliform, Fecal	140	cfu/100ml	
HCCD-01	WW_32	2007-03-12		Coliform, Fecal	650	cfu/100ml	
HCCD-01	WW_32	2007-06-11		Coliform, Fecal	670	cfu/100ml	
HCCD-01	WW_32	2008-08-11		Coliform, Fecal	150	cfu/100ml	
HCCD-01	WW_32	2010-07-12		Coliform, Fecal	21000	cfu/100ml	
HCCD-01	WW_32	2009-10-12		Coliform, Fecal	190	cfu/100ml	
HCCD-01	WW_32	2006-01-09		Coliform, Fecal	310	cfu/100ml	
HCCD-01	WW_32	2006-02-14		Coliform, Fecal	400	cfu/100ml	
HCCD-01	WW_32	2009-06-08		Coliform, Fecal	7100	cfu/100ml	
HCCD-01	WW_32	2009-08-10		Coliform, Fecal	620	cfu/100ml	
HCCD-01	WW_32	2006-11-13		Coliform, Fecal	2100	cfu/100ml	
HCCD-01	WW_32	2007-10-08		Coliform, Fecal	580	cfu/100ml	
HCCD-01	WW_32	2009-12-14		Coliform, Fecal	3900	cfu/100ml	
HCCD-01	WW_32	2008-04-14		Coliform, Fecal	130	cfu/100ml	
HCCD-01	WW_32	2006-04-10		Coliform, Fecal	130	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2007-11-13		Coliform, Fecal	750	cfu/100ml	
HCCD-01	WW_32	2006-12-11		Coliform, Fecal	1200	cfu/100ml	
HCCD-01	WW_32	2009-11-09		Coliform, Fecal	590	cfu/100ml	
HCCD-01	WW_32	2009-07-13		Coliform, Fecal	400	cfu/100ml	
HCCD-01	WW_32	2006-03-13		Coliform, Fecal	26000	cfu/100ml	
HCCD-01	WW_32	2008-03-10		Coliform, Fecal	270	cfu/100ml	
HCCD-01	WW_32	2008-05-12		Coliform, Fecal	2000	cfu/100ml	
HCCD-01	WW_32	2007-01-08		Coliform, Fecal	970	cfu/100ml	
HCCD-01	WW_32	2010-03-08		Coliform, Fecal	560	cfu/100ml	
HCCD-01	WW_32	2005-12-12		Coliform, Fecal	21000	cfu/100ml	
HCCD-01	WW_32	2010-04-12		Coliform, Fecal	310	cfu/100ml	
HCCD-01	WW_32	2009-09-14		Coliform, Fecal	120	cfu/100ml	
HCCD-01	WW_32	2007-08-13		Coliform, Fecal	1000	cfu/100ml	
HCCD-01	WW_32	2009-04-13		Coliform, Fecal	510	cfu/100ml	
HCCD-01	WW_32	2006-10-09		Coliform, Fecal	280	cfu/100ml	
HCCD-01	WW_32	2009-05-11		Coliform, Fecal	840	cfu/100ml	
HCCD-01	WW_32	2008-01-14		Coliform, Fecal	700	cfu/100ml	
HCCD-01	WW_32	2007-09-10		Coliform, Fecal	1500	cfu/100ml	
HCCD-01	WW_32	2001-04-09		Coliform, Fecal	5000	cfu/100ml	
HCCD-01	WW_32	2003-09-08		Coliform, Fecal	110	cfu/100ml	
HCCD-01	WW_32	2004-04-12		Coliform, Fecal	100	cfu/100ml	
HCCD-01	WW_32	2003-08-11		Coliform, Fecal	470	cfu/100ml	
HCCD-01	WW_32	2002-08-12		Coliform, Fecal	50	cfu/100ml	
HCCD-01	WW_32	2002-09-09		Coliform, Fecal	350	cfu/100ml	
HCCD-01	WW_32	2001-12-10		Coliform, Fecal	480	cfu/100ml	
HCCD-01	WW_32	2002-04-08		Coliform, Fecal	1300	cfu/100ml	
HCCD-01	WW_32	2001-06-11		Coliform, Fecal	11000	cfu/100ml	
HCCD-01	WW_32	2003-10-13		Coliform, Fecal	410	cfu/100ml	
HCCD-01	WW_32	2001-07-09		Coliform, Fecal	7800	cfu/100ml	
HCCD-01	WW_32	2003-12-08		Coliform, Fecal	950	cfu/100ml	
HCCD-01	WW_32	2002-02-11		Coliform, Fecal	2400	cfu/100ml	
HCCD-01	WW_32	2002-03-11		Coliform, Fecal	230	cfu/100ml	
HCCD-01	WW_32	2002-06-10		Coliform, Fecal	780	cfu/100ml	
HCCD-01	WW_32	2001-05-14		Coliform, Fecal	1100	cfu/100ml	
HCCD-01	WW_32	2002-07-08		Coliform, Fecal	1300	cfu/100ml	
HCCD-01	WW_32	2002-05-13		Coliform, Fecal	11000	cfu/100ml	
HCCD-01	WW_32	2003-11-10		Coliform, Fecal	930	cfu/100ml	
HCCD-01	WW_32	2001-08-13		Coliform, Fecal	600	cfu/100ml	
HCCD-01	WW_32	2004-03-08		Coliform, Fecal	1500	cfu/100ml	
HCCD-01	WW_32	2001-02-13		Coliform, Fecal	1300	cfu/100ml	
HCCD-01	WW_32	2003-04-14		Coliform, Fecal	320	cfu/100ml	
HCCD-01	WW_32	2001-11-13		Coliform, Fecal	600	cfu/100ml	
HCCD-01	WW_32	2003-07-14		Coliform, Fecal	850	cfu/100ml	
HCCD-01	WW_32	2002-11-12		Coliform, Fecal	1000	cfu/100ml	
HCCD-01	WW_32	2004-05-10		Coliform, Fecal	2200	cfu/100ml	
HCCD-01	WW_32	2003-05-12		Coliform, Fecal	500	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2001-03-12		Coliform, Fecal	740	cfu/100ml	
HCCD-01	WW_32	2001-10-08		Coliform, Fecal	1000	cfu/100ml	
HCCD-01	WW_32	2001-09-10		Coliform, Fecal	6000	cfu/100ml	
HCCD-01	WW_32	2002-10-14		Coliform, Fecal	260	cfu/100ml	
HCCD-01	WW_32	2003-06-09		Coliform, Fecal	1700	cfu/100ml	
HCCD-09	WW_105	2010-12-13		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2011-07-11		Coliform, Fecal	500	cfu/100ml	
HCCD-09	WW_105	2011-11-14		Coliform, Fecal	80	cfu/100ml	
HCCD-09	WW_105	2011-12-12		Coliform, Fecal	0	cfu/100ml	
HCCD-09	WW_105	2011-08-08		Coliform, Fecal	450	cfu/100ml	
HCCD-09	WW_105	2010-11-08		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2012-04-09		Coliform, Fecal	70	cfu/100ml	
HCCD-09	WW_105	2011-04-11		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2011-01-10		Coliform, Fecal	60	cfu/100ml	
HCCD-09	WW_105	2012-03-12		Coliform, Fecal	170	cfu/100ml	
HCCD-09	WW_105	2011-09-12		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2010-10-11		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2011-05-09		Coliform, Fecal	20	cfu/100ml	
HCCD-09	WW_105	2011-10-10		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2012-07-16		Coliform, Fecal	560	cfu/100ml	
HCCD-09	WW_105	2012-06-11		Coliform, Fecal	230	cfu/100ml	
HCCD-09	WW_105	2011-06-13		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2011-02-14		Coliform, Fecal	310	cfu/100ml	
HCCD-09	WW_105	2012-01-17		Coliform, Fecal	80	cfu/100ml	
HCCD-09	WW_105	2012-05-14		Coliform, Fecal	20	cfu/100ml	
HCCD-09	WW_105	2011-03-14		Coliform, Fecal	20	cfu/100ml	
HCCD-09	WW_105	2012-02-14		Coliform, Fecal	30	cfu/100ml	
HCCD-09	WW_105	2002-08-12		Coliform, Fecal	1200	cfu/100ml	
HCCD-09	WW_105	2001-05-14		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2003-09-08		Coliform, Fecal	2900	cfu/100ml	
HCCD-09	WW_105	2004-09-13		Coliform, Fecal	490	cfu/100ml	
HCCD-09	WW_105	2004-08-09		Coliform, Fecal	160	cfu/100ml	
HCCD-09	WW_105	2002-05-13		Coliform, Fecal	700	cfu/100ml	
HCCD-09	WW_105	2005-06-13		Coliform, Fecal	400	cfu/100ml	
HCCD-09	WW_105	2001-06-11		Coliform, Fecal	190	cfu/100ml	
HCCD-09	WW_105	2003-11-10		Coliform, Fecal	130	cfu/100ml	
HCCD-09	WW_105	2004-12-13		Coliform, Fecal	110	cfu/100ml	
HCCD-09	WW_105	2002-07-08		Coliform, Fecal	960	cfu/100ml	
HCCD-09	WW_105	2002-06-10		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2003-10-13		Coliform, Fecal	420	cfu/100ml	
HCCD-09	WW_105	2003-02-10		Coliform, Fecal	680	cfu/100ml	
HCCD-09	WW_105	2002-12-09		Coliform, Fecal	130	cfu/100ml	
HCCD-09	WW_105	2001-03-12		Coliform, Fecal	21000	cfu/100ml	
HCCD-09	WW_105	2005-03-14		Coliform, Fecal	70	cfu/100ml	
HCCD-09	WW_105	2003-01-13		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2003-06-09		Coliform, Fecal	660	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-04-14		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2003-03-10		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2005-04-11		Coliform, Fecal	1200	cfu/100ml	
HCCD-09	WW_105	2003-05-12		Coliform, Fecal	160	cfu/100ml	
HCCD-09	WW_105	2004-11-08		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2001-04-09		Coliform, Fecal	570	cfu/100ml	
HCCD-09	WW_105	2002-09-09		Coliform, Fecal	660	cfu/100ml	
HCCD-09	WW_105	2003-08-11		Coliform, Fecal	710	cfu/100ml	
HCCD-09	WW_105	2002-11-12		Coliform, Fecal	540	cfu/100ml	
HCCD-09	WW_105	2005-05-09		Coliform, Fecal	70	cfu/100ml	
HCCD-09	WW_105	2005-09-12		Coliform, Fecal	600	cfu/100ml	
HCCD-09	WW_105	2002-10-14		Coliform, Fecal	220	cfu/100ml	
HCCD-09	WW_105	2004-10-11		Coliform, Fecal	310	cfu/100ml	
HCCD-09	WW_105	2003-07-14		Coliform, Fecal	370	cfu/100ml	
HCCD-09	WW_105	2005-07-11		Coliform, Fecal	370	cfu/100ml	
HCCD-09	WW_105	2004-06-14		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2005-08-08		Coliform, Fecal	270	cfu/100ml	
HCCD-09	WW_105	2002-03-11		Coliform, Fecal	300	cfu/100ml	
HCCD-09	WW_105	2001-12-10		Coliform, Fecal	160	cfu/100ml	
HCCD-09	WW_105	2004-07-12		Coliform, Fecal	300	cfu/100ml	
HCCD-09	WW_105	2004-01-12		Coliform, Fecal	80	cfu/100ml	
HCCD-09	WW_105	2001-08-13		Coliform, Fecal	780	cfu/100ml	
HCCD-09	WW_105	2004-03-08		Coliform, Fecal	90	cfu/100ml	
HCCD-09	WW_105	2001-09-10		Coliform, Fecal	500	cfu/100ml	
HCCD-09	WW_105	2002-01-14		Coliform, Fecal	170	cfu/100ml	
HCCD-09	WW_105	2002-02-11		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2001-07-09		Coliform, Fecal	810	cfu/100ml	
HCCD-09	WW_105	2005-01-10		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2004-02-09		Coliform, Fecal	260	cfu/100ml	
HCCD-09	WW_105	2002-04-08		Coliform, Fecal	360	cfu/100ml	
HCCD-09	WW_105	2001-11-13		Coliform, Fecal	270	cfu/100ml	
HCCD-09	WW_105	2004-04-12		Coliform, Fecal	150	cfu/100ml	
HCCD-09	WW_105	2005-02-14		Coliform, Fecal	240	cfu/100ml	
HCCD-09	WW_105	2004-05-10		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2001-10-08		Coliform, Fecal	510	cfu/100ml	
HCCD-09	WW_105	2003-12-08		Coliform, Fecal	20	cfu/100ml	
HCCD-09	WW_105	2006-08-14		Coliform, Fecal	240	cfu/100ml	
HCCD-09	WW_105	2007-05-14		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2006-09-11		Coliform, Fecal	3900	cfu/100ml	
HCCD-09	WW_105	2008-03-10		Coliform, Fecal	30	cfu/100ml	
HCCD-09	WW_105	2008-02-11		Coliform, Fecal	150	cfu/100ml	
HCCD-09	WW_105	2007-04-09		Coliform, Fecal	30	cfu/100ml	
HCCD-09	WW_105	2007-01-08		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2006-11-13		Coliform, Fecal	210	cfu/100ml	
HCCD-09	WW_105	2008-06-09		Coliform, Fecal	6200	cfu/100ml	
HCCD-09	WW_105	2007-09-10		Coliform, Fecal	300	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2008-09-08		Coliform, Fecal	240	cfu/100ml	
HCCD-09	WW_105	2008-01-14		Coliform, Fecal	180	cfu/100ml	
HCCD-09	WW_105	2007-11-13		Coliform, Fecal	270	cfu/100ml	
HCCD-09	WW_105	2006-12-11		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2007-10-08		Coliform, Fecal	380	cfu/100ml	
HCCD-09	WW_105	2008-05-12		Coliform, Fecal	110	cfu/100ml	
HCCD-09	WW_105	2008-04-14		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2008-07-14		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2006-10-09		Coliform, Fecal	150	cfu/100ml	
HCCD-09	WW_105	2007-07-09		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2007-12-10		Coliform, Fecal	120	cfu/100ml	
HCCD-09	WW_105	2007-08-13		Coliform, Fecal	210	cfu/100ml	
HCCD-09	WW_105	2008-08-11		Coliform, Fecal	220	cfu/100ml	
HCCD-09	WW_105	2007-03-12		Coliform, Fecal	200	cfu/100ml	
HCCD-09	WW_105	2007-06-11		Coliform, Fecal	2600	cfu/100ml	
HCCD-09	WW_105	2009-09-14		Coliform, Fecal	99	cfu/100ml	
HCCD-09	WW_105	2005-12-12		Coliform, Fecal	30	cfu/100ml	
HCCD-09	WW_105	2010-04-12		Coliform, Fecal	90	cfu/100ml	
HCCD-09	WW_105	2009-04-13		Coliform, Fecal	80	cfu/100ml	
HCCD-09	WW_105	2006-05-08		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2009-05-11		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2010-03-08		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2010-06-14		Coliform, Fecal	180	cfu/100ml	
HCCD-09	WW_105	2009-02-09		Coliform, Fecal	170	cfu/100ml	
HCCD-09	WW_105	2009-01-12		Coliform, Fecal	70	cfu/100ml	
HCCD-09	WW_105	2006-06-12		Coliform, Fecal	120	cfu/100ml	
HCCD-09	WW_105	2009-03-09		Coliform, Fecal	290	cfu/100ml	
HCCD-09	WW_105	2010-05-10		Coliform, Fecal	30	cfu/100ml	
HCCD-09	WW_105	2005-11-14		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2006-03-13		Coliform, Fecal	280	cfu/100ml	
HCCD-09	WW_105	2009-11-09		Coliform, Fecal	9	cfu/100ml	
HCCD-09	WW_105	2009-07-13		Coliform, Fecal	550	cfu/100ml	
HCCD-09	WW_105	2009-10-12		Coliform, Fecal	99	cfu/100ml	
HCCD-09	WW_105	2009-08-10		Coliform, Fecal	960	cfu/100ml	
HCCD-09	WW_105	2006-02-14		Coliform, Fecal	9	cfu/100ml	
HCCD-09	WW_105	2010-01-11		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2010-02-08		Coliform, Fecal	50	cfu/100ml	
HCCD-09	WW_105	2006-04-10		Coliform, Fecal	20	cfu/100ml	
HCCD-09	WW_105	2009-06-08		Coliform, Fecal	7500	cfu/100ml	
HCCD-09	WW_105	2006-01-09		Coliform, Fecal	100	cfu/100ml	
HCCD-09	WW_105	2009-12-14		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2010-08-09		Coliform, Fecal	2400	cfu/100ml	
HCCD-09	WW_105	2010-07-12		Coliform, Fecal	2000	cfu/100ml	
HCCD-09	WW_105	2008-11-10		Coliform, Fecal	100	cfu/100ml	
HCCD-09	WW_105	2008-10-13		Coliform, Fecal	170	cfu/100ml	
HCCD-09	WW_105	2006-07-10		Coliform, Fecal	220	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2005-10-10		Coliform, Fecal	140	cfu/100ml	
HCCD-09	WW_105	2010-09-13		Coliform, Fecal	40	cfu/100ml	
HCCD-09	WW_105	2008-12-08		Coliform, Fecal	50	cfu/100ml	
HCC-07	HCC-07	2002-05-20	13:30	Depth	1	ft	
HCC-07	HCC-07	2002-10-29	11:50	Depth	1	ft	
HCC-07	HCC-07	2002-09-17	12:00	Depth	1	ft	
HCC-07	HCC-07	2002-12-12	11:00	Depth	1	ft	
HCC-07	HCC-07	2001-09-17	12:55	Depth	1	ft	
HCC-07	HCC-07	2001-12-19	13:00	Depth	1	ft	
HCC-07	HCC-07	2001-11-08	12:00	Depth	1	ft	
HCC-07	HCC-07	2002-04-03	15:30	Depth	1	ft	
HCC-07	HCC-07	2002-07-01	13:30	Depth	1	ft	
HCC-07	HCC-07	2002-01-30	13:30	Depth	1	ft	
HCC-07	HCC-07	2002-07-30	10:15	Depth	1	ft	
HCCB-05	HCCB-05	2001-09-18	11:05	Depth	1	ft	
HCCB-05	HCCB-05	2001-07-02	10:15	Depth	1	ft	
HCCC-02	HCCC-02	2002-01-30	12:15	Depth	1	ft	
HCCC-02	HCCC-02	2002-07-30	11:30	Depth	1	ft	
HCCC-02	HCCC-02	2001-12-19	11:30	Depth	1	ft	
HCCC-02	HCCC-02	2002-09-17	10:15	Depth	1	ft	
HCCC-02	HCCC-02	2002-07-01	12:00	Depth	1	ft	
HCCC-02	HCCC-02	2002-10-29	10:30	Depth	1	ft	
HCCC-02	HCCC-02	2002-05-20	12:15	Depth	1	ft	
HCCC-02	HCCC-02	2001-11-08	10:45	Depth	1	ft	
HCCC-02	HCCC-02	2002-03-22	12:00	Depth	1	ft	
HCCC-02	HCCC-02	2002-12-27	10:00	Depth	1	ft	
HCCC-02	HCCC-02	2001-09-18	12:50	Depth	1	ft	
HCCC-04	HCCC-04	2001-07-02	12:15	Depth	1	ft	
HCCC-04	HCCC-04	2001-08-01	14:15	Depth	1	ft	
HCCC-04	HCCC-04	2001-09-27	12:35	Depth	1	ft	
HCCD-09	HCCD-09	2001-09-27	13:50	Depth	1	ft	
HCCD-09	HCCD-09	2001-08-01	10:10	Depth	1	ft	
HCCD-09	HCCD-09	2001-07-02	11:15	Depth	1	ft	
RHJ	RHJ-1	2001-06-22	11:15	Depth	6.5	ft	6 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2000-06-27	10:30	Depth	10	ft	14 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth	1	ft	3 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth	6.5	ft	6 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth	1	ft	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth	4	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth	1	ft	1.5 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	6	ft	6 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-05-08	10:38	Depth	1	ft	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	8	ft	6 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-06-22	11:15	Depth	1	ft	4 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth	4	ft	1 ft
RHJ	RHJ-1	2000-06-27	10:30	Depth	10	ft	14 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	1	ft	8 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	8	ft	4 ft
RHJ	RHJ-1	2003-05-08	10:38	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth	2	ft	2 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth	3	ft	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth	4	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	6	ft	6 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	10	ft	10 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	10	ft	10 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth	3	ft	3 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	1	ft	8 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	8	ft	6 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth	4	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth	1	ft	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth	8	ft	4 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth	1	ft	1.5 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth	3	ft	3 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	10	ft	10 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth	10	ft	10 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth	2	ft	2 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	1	ft	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-08-02	12:44	Depth	18	ft	18 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth	3	ft	3 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth	1	ft	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-2	2001-09-04	12:55	Depth	3	ft	4 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth	1	ft	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth	9	ft	6.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth	1	ft	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth	4.5	ft	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth	4	ft	9 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth	3	ft	3 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth	3.5	ft	3.5 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth	3	ft	3 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth	1	ft	1 ft
RHJ	RHJ-2	2001-11-05	12:25	Depth	3	ft	4 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	12	ft	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	12	ft	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	6	ft	6 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	12	ft	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	12	ft	12 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth	3	ft	3 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth	3.5	ft	3.5 ft
RHJ	RHJ-2	2001-11-05	12:25	Depth	3	ft	4 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	6	ft	6 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth	1	ft	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth	3	ft	3 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth	1	ft	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth	4.5	ft	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth	9	ft	6.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth	1	ft	4.5 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth	3	ft	4 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth	1	ft	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth	4	ft	9 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	4	ft	4 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	6	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	1	ft	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Depth	6	ft	10 ft
RHJ	RHJ-3	2000-06-27	12:30	Depth	6	ft	6 ft
RHJ	RHJ-3	2001-05-31	10:45	Depth	2.2	ft	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-06-22	13:02	Depth	4	ft	9 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth	2	ft	3 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth	3	ft	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	6	ft	8 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	6	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	6	ft	8 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth	3	ft	3 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth	1	ft	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth	4	ft	9 ft
RHJ	RHJ-3	2001-05-31	10:45	Depth	2.2	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth	4	ft	4 ft
RHJ	RHJ-3	2000-06-27	12:30	Depth	6	ft	6 ft
RHJ	RHJ-3	2000-06-27	12:30	Depth	6	ft	10 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth	2	ft	3 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth	1	ft	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth	1	ft	1 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth, bottom	7.5	ft	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth, bottom	7.5	ft	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth, bottom	11	ft	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Depth, bottom	12	ft	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth, bottom	12	ft	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth, bottom	8	ft	8 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth, bottom	10	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth, bottom	10	ft	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth, bottom	11	ft	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Depth, bottom	12	ft	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth, bottom	8	ft	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth, bottom	12	ft	4 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth, bottom	10	ft	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth, bottom	11	ft	1.5 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth, bottom	11	ft	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth, bottom	10	ft	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth, bottom	10	ft	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth, bottom	10	ft	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth, bottom	13	ft	4.5 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth, bottom	12	ft	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth, bottom	11	ft	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-2	2003-06-10	10:29	Depth, bottom	12	ft	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth, bottom	13.5	ft	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth, bottom	12	ft	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth, bottom	13.5	ft	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth, bottom	13	ft	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth, bottom	11	ft	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth, bottom	12	ft	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth, bottom	5	ft	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth, bottom	5	ft	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth, bottom	6	ft	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth, bottom	6	ft	1 ft
RHJA	RHJA-1	2004-07-01	15:00	Depth, bottom	15	ft	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Depth, bottom	15	ft	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Depth, bottom	15	ft	14 ft
RHJA	RHJA-1	2004-07-14	10:25	Depth, bottom	15	ft	1 ft
RHJA	RHJA-1	2004-07-28	11:14	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2004-07-28	11:10	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2004-08-12	9:47	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2004-08-12	9:42	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2004-08-24	12:45	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2004-08-24	12:40	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2004-09-08	9:26	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2004-09-08	9:20	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2004-09-22	9:10	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2004-09-22	9:05	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2004-10-13	9:54	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2004-10-13	9:48	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2004-11-01	10:19	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2004-11-01	10:15	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2004-12-09	9:46	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2004-12-09	9:42	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-01-26	10:15	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-01-26	10:00	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-02-16	10:48	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2005-02-16	10:45	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2005-03-23	9:34	Depth, bottom	14	ft	12 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2005-03-23	9:28	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-04-05	10:26	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-04-20	11:36	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-05-04	10:03	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-05-04	10:00	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Depth, bottom	13	ft	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Depth, bottom	13	ft	1 ft
RHJA	RHJA-1	2005-06-15	9:54	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-06-15	9:50	Depth, bottom	40	ft	1 ft
RHJA	RHJA-1	2005-06-29	10:14	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-06-29	10:10	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-07-13	9:05	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-07-13	9:00	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-08-24	10:03	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-08-24	9:58	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-09-15	11:06	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-09-15	10:01	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-10-12	10:25	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-10-12	10:20	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-11-15	9:50	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-11-15	9:45	Depth, bottom	14	ft	1 ft
RHJA	RHJA-1	2005-12-21	10:13	Depth, bottom	14	ft	12 ft
RHJA	RHJA-1	2005-12-21	10:10	Depth, bottom	14	ft	1 ft
RHJA	RHJA-2	2004-07-01	16:22	Depth, bottom	17	ft	15 ft
RHJA	RHJA-2	2004-07-01	16:13	Depth, bottom	17	ft	1 ft
RHJA	RHJA-2	2004-07-14	11:31	Depth, bottom	17	ft	16 ft
RHJA	RHJA-2	2004-07-14	11:25	Depth, bottom	17	ft	1 ft
RHJA	RHJA-2	2004-07-28	12:04	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-07-28	11:59	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-08-12	10:50	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-08-12	10:45	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-08-24	13:35	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-08-24	13:29	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-09-08	10:28	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-09-08	10:21	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-10-13	10:45	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2004-10-13	10:42	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-11-01	11:23	Depth, bottom	18	ft	16 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2004-11-01	11:18	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2004-12-09	10:34	Depth, bottom	18	ft	18 ft
RHJA	RHJA-2	2004-12-09	10:30	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-01-26	11:01	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-01-26	11:00	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-02-16	11:36	Depth, bottom	17	ft	15 ft
RHJA	RHJA-2	2005-02-16	11:32	Depth, bottom	17	ft	1 ft
RHJA	RHJA-2	2005-03-23	10:28	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-03-23	10:20	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-04-05	11:37	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-04-20	12:56	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-04-20	12:51	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-05-04	10:57	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-05-04	10:51	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-06-15	10:58	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-06-29	11:02	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-06-29	10:57	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-07-13	10:07	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-07-13	10:01	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-07-27	10:39	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-08-11	10:07	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-08-24	10:56	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-08-24	10:50	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-09-15	10:55	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-09-15	10:50	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-10-12	11:25	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-10-12	11:19	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-11-15	10:45	Depth, bottom	18	ft	16 ft
RHJA	RHJA-2	2005-11-15	10:40	Depth, bottom	18	ft	1 ft
RHJA	RHJA-2	2005-12-21	11:30	Depth, bottom	17	ft	15 ft
RHJA	RHJA-2	2005-12-21	11:25	Depth, bottom	17	ft	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Depth, bottom	12	ft	13 ft
RHJA	RHJA-3	2004-07-14	11:50	Depth, bottom	13	ft	1 ft
RHJA	RHJA-3	2004-07-28	12:40	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-07-28	12:34	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-08-12	11:15	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-08-12	11:10	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-08-24	16:14	Depth, bottom	14	ft	12 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-3	2004-08-24	16:10	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-09-08	10:54	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-09-08	10:50	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-09-22	11:21	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-09-22	11:15	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-10-13	11:08	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-10-13	11:03	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-11-01	11:39	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-11-01	11:35	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2004-12-09	11:03	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2004-12-09	10:58	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-01-26	11:35	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-01-26	11:33	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-03-23	10:55	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-03-23	10:51	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-04-05	12:05	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-04-20	13:25	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-05-04	11:39	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-05-04	11:32	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-06-29	11:53	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-06-29	11:40	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-07-13	10:31	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-07-13	10:28	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-07-27	10:58	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-08-11	10:35	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-08-24	11:22	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-08-24	11:29	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-09-15	11:19	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-09-15	11:25	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-10-12	11:49	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-10-12	11:54	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-11-15	11:05	Depth, bottom	14	ft	1 ft
RHJA	RHJA-3	2005-11-15	11:07	Depth, bottom	14	ft	12 ft
RHJA	RHJA-3	2005-12-21	11:55	Depth, bottom	13	ft	11 ft
RHJA	RHJA-3	2005-12-21	11:50	Depth, bottom	13	ft	1 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth, Secchi Disk	22	in	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Depth, Secchi Disk	22	in	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth, Secchi Disk	28	in	1.5 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2003-05-08	10:38	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth, Secchi Disk	39	in	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth, Secchi Disk	20	in	8 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth, Secchi Disk	14	in	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth, Secchi Disk	34	in	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth, Secchi Disk	18	in	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Depth, Secchi Disk	20	in	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Depth, Secchi Disk	39	in	4 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth, Secchi Disk	18	in	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Depth, Secchi Disk	28	in	1.5 ft
RHJ	RHJ-1	2003-08-27	10:25	Depth, Secchi Disk	14	in	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Depth, Secchi Disk	34	in	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Depth, Secchi Disk	18	in	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Depth, Secchi Disk	18	in	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth, Secchi Disk	27	in	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth, Secchi Disk	24	in	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth, Secchi Disk	54	in	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth, Secchi Disk	16	in	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth, Secchi Disk	17	in	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth, Secchi Disk	32	in	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Depth, Secchi Disk	32	in	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Depth, Secchi Disk	17	in	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Depth, Secchi Disk	16	in	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Depth, Secchi Disk	20	in	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Depth, Secchi Disk	27	in	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Depth, Secchi Disk	24	in	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Depth, Secchi Disk	54	in	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth, Secchi Disk	28	in	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth, Secchi Disk	25	in	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Depth, Secchi Disk	28	in	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth, Secchi Disk	12	in	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth, Secchi Disk	19	in	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth, Secchi Disk	16	in	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Depth, Secchi Disk	25	in	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Depth, Secchi Disk	19	in	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Depth, Secchi Disk	16	in	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Depth, Secchi Disk	12	in	1 ft
RHJA	RHJA-1	2004-07-01	15:00	Depth, Secchi Disk	30	in	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Depth, Secchi Disk	21	in	14 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2004-07-14	10:25	Depth, Secchi Disk	21	in	1 ft
RHJA	RHJA-1	2004-07-28	11:14	Depth, Secchi Disk	22	in	11 ft
RHJA	RHJA-1	2004-07-28	11:10	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2004-08-12	9:47	Depth, Secchi Disk	17	in	12 ft
RHJA	RHJA-1	2004-08-12	9:42	Depth, Secchi Disk	17	in	1 ft
RHJA	RHJA-1	2004-08-24	12:45	Depth, Secchi Disk	24	in	11 ft
RHJA	RHJA-1	2004-08-24	12:40	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-1	2004-09-08	9:26	Depth, Secchi Disk	18	in	11 ft
RHJA	RHJA-1	2004-09-08	9:20	Depth, Secchi Disk	18	in	1 ft
RHJA	RHJA-1	2004-09-22	9:10	Depth, Secchi Disk	19	in	11 ft
RHJA	RHJA-1	2004-09-22	9:05	Depth, Secchi Disk	19	in	1 ft
RHJA	RHJA-1	2004-10-13	9:54	Depth, Secchi Disk	18	in	11 ft
RHJA	RHJA-1	2004-10-13	9:48	Depth, Secchi Disk	18	in	1 ft
RHJA	RHJA-1	2004-11-01	10:19	Depth, Secchi Disk	22	in	12 ft
RHJA	RHJA-1	2004-11-01	10:15	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2004-12-09	9:46	Depth, Secchi Disk	29	in	12 ft
RHJA	RHJA-1	2004-12-09	9:42	Depth, Secchi Disk	29	in	1 ft
RHJA	RHJA-1	2005-01-26	10:15	Depth, Secchi Disk	48	in	12 ft
RHJA	RHJA-1	2005-01-26	10:00	Depth, Secchi Disk	48	in	1 ft
RHJA	RHJA-1	2005-02-16	10:48	Depth, Secchi Disk	61	in	11 ft
RHJA	RHJA-1	2005-02-16	10:45	Depth, Secchi Disk	61	in	1 ft
RHJA	RHJA-1	2005-03-23	9:34	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-1	2005-03-23	9:28	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-1	2005-04-05	10:26	Depth, Secchi Disk	21	in	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Depth, Secchi Disk	21	in	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Depth, Secchi Disk	22	in	12 ft
RHJA	RHJA-1	2005-04-20	11:36	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2005-05-04	10:03	Depth, Secchi Disk	22	in	12 ft
RHJA	RHJA-1	2005-05-04	10:00	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Depth, Secchi Disk	22	in	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2005-06-15	9:54	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-1	2005-06-15	9:50	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-1	2005-06-29	10:14	Depth, Secchi Disk	25	in	12 ft
RHJA	RHJA-1	2005-06-29	10:10	Depth, Secchi Disk	25	in	1 ft
RHJA	RHJA-1	2005-07-13	9:05	Depth, Secchi Disk	34	in	12 ft
RHJA	RHJA-1	2005-07-13	9:00	Depth, Secchi Disk	34	in	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Depth, Secchi Disk	32	in	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Depth, Secchi Disk	32	in	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Depth, Secchi Disk	22	in	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-1	2005-08-24	10:03	Depth, Secchi Disk	26	in	12 ft
RHJA	RHJA-1	2005-08-24	9:58	Depth, Secchi Disk	26	in	1 ft
RHJA	RHJA-1	2005-09-15	11:06	Depth, Secchi Disk	30	in	12 ft
RHJA	RHJA-1	2005-09-15	10:01	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-1	2005-10-12	10:25	Depth, Secchi Disk	21	in	12 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2005-10-12	10:20	Depth, Secchi Disk	21	in	1 ft
RHJA	RHJA-1	2005-11-15	9:50	Depth, Secchi Disk	30	in	12 ft
RHJA	RHJA-1	2005-11-15	9:45	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-1	2005-12-21	10:13	Depth, Secchi Disk	43	in	12 ft
RHJA	RHJA-1	2005-12-21	10:10	Depth, Secchi Disk	43	in	1 ft
RHJA	RHJA-2	2004-07-01	16:13	Depth, Secchi Disk	41	in	1 ft
RHJA	RHJA-2	2004-07-14	11:31	Depth, Secchi Disk	37	in	16 ft
RHJA	RHJA-2	2004-07-14	11:25	Depth, Secchi Disk	37	in	1 ft
RHJA	RHJA-2	2004-07-28	12:04	Depth, Secchi Disk	31	in	16 ft
RHJA	RHJA-2	2004-07-28	11:59	Depth, Secchi Disk	31	in	1 ft
RHJA	RHJA-2	2004-08-12	10:50	Depth, Secchi Disk	21	in	16 ft
RHJA	RHJA-2	2004-08-12	10:45	Depth, Secchi Disk	21	in	1 ft
RHJA	RHJA-2	2004-08-24	13:35	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2004-08-24	13:29	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2004-09-08	10:28	Depth, Secchi Disk	22	in	16 ft
RHJA	RHJA-2	2004-09-08	10:21	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Depth, Secchi Disk	19	in	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Depth, Secchi Disk	19	in	1 ft
RHJA	RHJA-2	2004-10-13	10:45	Depth, Secchi Disk	23	in	16 ft
RHJA	RHJA-2	2004-10-13	10:42	Depth, Secchi Disk	23	in	1 ft
RHJA	RHJA-2	2004-11-01	11:23	Depth, Secchi Disk	18	in	16 ft
RHJA	RHJA-2	2004-11-01	11:18	Depth, Secchi Disk	18	in	1 ft
RHJA	RHJA-2	2004-12-09	10:34	Depth, Secchi Disk	38	in	18 ft
RHJA	RHJA-2	2004-12-09	10:30	Depth, Secchi Disk	38.4	in	1 ft
RHJA	RHJA-2	2005-01-26	11:01	Depth, Secchi Disk	36	in	16 ft
RHJA	RHJA-2	2005-01-26	11:00	Depth, Secchi Disk	36	in	1 ft
RHJA	RHJA-2	2005-02-16	11:36	Depth, Secchi Disk	52	in	15 ft
RHJA	RHJA-2	2005-02-16	11:32	Depth, Secchi Disk	52	in	1 ft
RHJA	RHJA-2	2005-03-23	10:20	Depth, Secchi Disk	37	in	1 ft
RHJA	RHJA-2	2005-03-23	10:28	Depth, Secchi Disk	37	in	16 ft
RHJA	RHJA-2	2005-04-05	11:37	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2005-04-20	12:56	Depth, Secchi Disk	26	in	16 ft
RHJA	RHJA-2	2005-04-20	12:51	Depth, Secchi Disk	26	in	1 ft
RHJA	RHJA-2	2005-05-04	10:57	Depth, Secchi Disk	38	in	16 ft
RHJA	RHJA-2	2005-05-04	10:51	Depth, Secchi Disk	38	in	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Depth, Secchi Disk	34	in	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Depth, Secchi Disk	34	in	1 ft
RHJA	RHJA-2	2005-06-15	10:58	Depth, Secchi Disk	48	in	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Depth, Secchi Disk	48	in	1 ft
RHJA	RHJA-2	2005-06-29	11:02	Depth, Secchi Disk	32	in	16 ft
RHJA	RHJA-2	2005-06-29	10:57	Depth, Secchi Disk	32	in	1 ft
RHJA	RHJA-2	2005-07-13	10:07	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2005-07-13	10:01	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2005-07-27	10:39	Depth, Secchi Disk	26	in	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Depth, Secchi Disk	26	in	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-08-11	10:07	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2005-08-24	10:56	Depth, Secchi Disk	14	in	16 ft
RHJA	RHJA-2	2005-08-24	10:50	Depth, Secchi Disk	14	in	1 ft
RHJA	RHJA-2	2005-09-15	10:55	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2005-09-15	10:50	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2005-10-12	11:25	Depth, Secchi Disk	21	in	16 ft
RHJA	RHJA-2	2005-10-12	11:19	Depth, Secchi Disk	21	in	1 ft
RHJA	RHJA-2	2005-11-15	10:45	Depth, Secchi Disk	30	in	16 ft
RHJA	RHJA-2	2005-11-15	10:40	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-2	2005-12-21	11:30	Depth, Secchi Disk	42	in	15 ft
RHJA	RHJA-2	2005-12-21	11:25	Depth, Secchi Disk	42	in	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Depth, Secchi Disk	38	in	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Depth, Secchi Disk	38	in	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Depth, Secchi Disk	32	in	13 ft
RHJA	RHJA-3	2004-07-14	11:50	Depth, Secchi Disk	32	in	1 ft
RHJA	RHJA-3	2004-07-28	12:40	Depth, Secchi Disk	26	in	12 ft
RHJA	RHJA-3	2004-07-28	12:34	Depth, Secchi Disk	26	in	1 ft
RHJA	RHJA-3	2004-08-12	11:15	Depth, Secchi Disk	20	in	12 ft
RHJA	RHJA-3	2004-08-12	11:10	Depth, Secchi Disk	20	in	1 ft
RHJA	RHJA-3	2004-08-24	16:14	Depth, Secchi Disk	26	in	12 ft
RHJA	RHJA-3	2004-08-24	16:10	Depth, Secchi Disk	26	in	1 ft
RHJA	RHJA-3	2004-09-08	10:54	Depth, Secchi Disk	22	in	12 ft
RHJA	RHJA-3	2004-09-08	10:50	Depth, Secchi Disk	22	in	1 ft
RHJA	RHJA-3	2004-09-22	11:21	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-3	2004-09-22	11:15	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-3	2004-10-13	11:08	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-3	2004-10-13	11:03	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-3	2004-11-01	11:39	Depth, Secchi Disk	26	in	12 ft
RHJA	RHJA-3	2004-11-01	11:35	Depth, Secchi Disk	26	in	1 ft
RHJA	RHJA-3	2004-12-09	11:03	Depth, Secchi Disk	43.2	in	12 ft
RHJA	RHJA-3	2004-12-09	10:58	Depth, Secchi Disk	43	in	1 ft
RHJA	RHJA-3	2005-01-26	11:35	Depth, Secchi Disk	57	in	12 ft
RHJA	RHJA-3	2005-01-26	11:33	Depth, Secchi Disk	57	in	1 ft
RHJA	RHJA-3	2005-03-23	10:55	Depth, Secchi Disk	36	in	12 ft
RHJA	RHJA-3	2005-03-23	10:51	Depth, Secchi Disk	36	in	1 ft
RHJA	RHJA-3	2005-04-05	12:05	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Depth, Secchi Disk	32	in	1 ft
RHJA	RHJA-3	2005-04-20	13:25	Depth, Secchi Disk	32	in	12 ft
RHJA	RHJA-3	2005-05-04	11:39	Depth, Secchi Disk	31	in	12 ft
RHJA	RHJA-3	2005-05-04	11:32	Depth, Secchi Disk	31	in	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Depth, Secchi Disk	28	in	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Depth, Secchi Disk	28	in	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Depth, Secchi Disk	34	in	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Depth, Secchi Disk	34	in	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-3	2005-06-29	11:53	Depth, Secchi Disk	38	in	12 ft
RHJA	RHJA-3	2005-06-29	11:40	Depth, Secchi Disk	38	in	1 ft
RHJA	RHJA-3	2005-07-13	10:31	Depth, Secchi Disk	34	in	12 ft
RHJA	RHJA-3	2005-07-13	10:28	Depth, Secchi Disk	34	in	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Depth, Secchi Disk	30	in	12 ft
RHJA	RHJA-3	2005-07-27	10:58	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-3	2005-08-11	10:35	Depth, Secchi Disk	34	in	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Depth, Secchi Disk	34	in	12 ft
RHJA	RHJA-3	2005-08-24	11:22	Depth, Secchi Disk	28	in	1 ft
RHJA	RHJA-3	2005-08-24	11:29	Depth, Secchi Disk	28	in	12 ft
RHJA	RHJA-3	2005-09-15	11:19	Depth, Secchi Disk	30	in	1 ft
RHJA	RHJA-3	2005-09-15	11:25	Depth, Secchi Disk	30	in	12 ft
RHJA	RHJA-3	2005-10-12	11:49	Depth, Secchi Disk	24	in	1 ft
RHJA	RHJA-3	2005-10-12	11:54	Depth, Secchi Disk	24	in	12 ft
RHJA	RHJA-3	2005-11-15	11:05	Depth, Secchi Disk	36	in	1 ft
RHJA	RHJA-3	2005-11-15	11:07	Depth, Secchi Disk	36	in	12 ft
RHJA	RHJA-3	2005-12-21	11:55	Depth, Secchi Disk	36	in	11 ft
RHJA	RHJA-3	2005-12-21	11:50	Depth, Secchi Disk	36	in	1 ft
UHH	UHH-1	2002-05-14		Depth, Secchi Disk Depth	3.58	ft	3
UHH	UHH-1	2002-06-18		Depth, Secchi Disk Depth	2.36	ft	3
UHH	UHH-1	2002-07-23		Depth, Secchi Disk Depth	1.67	ft	3
UHH	UHH-1	2002-08-20		Depth, Secchi Disk Depth	1.38	ft	3
UHH	UHH-1	2002-09-17		Depth, Secchi Disk Depth	1.51	ft	3
UHH	UHH-2	2002-05-14		Depth, Secchi Disk Depth	5.45	ft	3
UHH	UHH-2	2002-06-18		Depth, Secchi Disk Depth	5.55	ft	3
UHH	UHH-2	2002-07-23		Depth, Secchi Disk Depth	NA	ft	3
UHH	UHH-2	2002-08-20		Depth, Secchi Disk Depth	NA	ft	3
UHH	UHH-2	2002-09-17		Depth, Secchi Disk Depth	5.64	ft	3
UHH	UHH-1	2002-05-14		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-1	2002-06-18		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-1	2002-07-23		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-1	2002-08-20		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-1	2002-09-17		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-2	2002-05-14		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-2	2002-06-18		Dissolved oxygen (DO)	A	mg/L	3
UHH	UHH-2	2002-07-23		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-2	2002-08-20		Dissolved oxygen (DO)	O	mg/L	3
UHH	UHH-2	2002-09-17		Dissolved oxygen (DO)	O	mg/L	3
HCC-07	WW_34	2011-04-11		E. Coli	210	cfu/100ml	
HCC-07	WW_34	2011-07-11		E. Coli	5200	cfu/100ml	
HCC-07	WW_34	2011-01-10		E. Coli	24000	cfu/100ml	
HCC-07	WW_34	2005-04-11		E. Coli	430	cfu/100ml	
HCC-07	WW_34	2004-07-12		E. Coli	1400	cfu/100ml	
HCC-07	WW_34	2005-07-11		E. Coli	700	cfu/100ml	
HCC-07	WW_34	2005-01-10		E. Coli	2100	cfu/100ml	
HCC-07	WW_34	2004-10-11		E. Coli	500	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-07-10		E. Coli	810	cfu/100ml	
HCC-07	WW_34	2006-04-10		E. Coli	810	cfu/100ml	
HCC-07	WW_34	2006-10-09		E. Coli	950	cfu/100ml	
HCC-07	WW_34	2007-01-08		E. Coli	1100	cfu/100ml	
HCC-07	WW_34	2005-10-10		E. Coli	460	cfu/100ml	
HCC-07	WW_34	2006-01-09		E. Coli	800	cfu/100ml	
HCC-07	WW_34	2007-10-08		E. Coli	520	cfu/100ml	
HCC-07	WW_34	2008-10-13		E. Coli	350	cfu/100ml	
HCC-07	WW_34	2009-07-13		E. Coli	500	cfu/100ml	
HCC-07	WW_34	2009-10-12		E. Coli	350	cfu/100ml	
HCC-07	WW_34	2008-04-14		E. Coli	420	cfu/100ml	
HCC-07	WW_34	2009-04-13		E. Coli	220	cfu/100ml	
HCC-07	WW_34	2009-01-12		E. Coli	360	cfu/100ml	
HCC-07	WW_34	2008-01-14		E. Coli	710	cfu/100ml	
HCC-07	WW_34	2007-04-09		E. Coli	130	cfu/100ml	
HCC-07	WW_34	2010-07-12		E. Coli	4200	cfu/100ml	
HCC-07	WW_34	2008-07-14		E. Coli	380	cfu/100ml	
HCC-07	WW_34	2010-01-11		E. Coli	3700	cfu/100ml	
HCC-07	WW_34	2010-04-12		E. Coli	760	cfu/100ml	
HCC-07	WW_34	2007-07-09		E. Coli	300	cfu/100ml	
HCC-07	WW_34	2003-01-13		E. Coli	5600	cfu/100ml	
HCC-07	WW_34	2003-04-14		E. Coli	240	cfu/100ml	
HCC-07	WW_34	2004-01-12		E. Coli	500	cfu/100ml	
HCC-07	WW_34	2001-07-09		E. Coli	2000	cfu/100ml	
HCC-07	WW_34	2002-04-08		E. Coli	390	cfu/100ml	
HCC-07	WW_34	2002-11-12		E. Coli	760	cfu/100ml	
HCC-07	WW_34	2001-04-09		E. Coli	330	cfu/100ml	
HCC-07	WW_34	2003-07-14		E. Coli	870	cfu/100ml	
HCC-07	WW_34	2004-04-12		E. Coli	380	cfu/100ml	
HCC-07	WW_34	2002-10-14		E. Coli	580	cfu/100ml	
HCC-07	WW_34	2003-10-13		E. Coli	1300	cfu/100ml	
HCC-07	WW_34	2002-01-14		E. Coli	210	cfu/100ml	
HCC-07	WW_34	2002-07-08		E. Coli	1200	cfu/100ml	
HCC-07	WW_96	2010-10-11		E. Coli	350	cfu/100ml	
HCC-07	WW_96	2011-04-11		E. Coli	60	cfu/100ml	
HCC-07	WW_96	2011-01-10		E. Coli	350	cfu/100ml	
HCC-07	WW_96	2011-07-11		E. Coli	7900	cfu/100ml	
HCC-07	WW_96	2005-04-11		E. Coli	220	cfu/100ml	
HCC-07	WW_96	2004-10-11		E. Coli	1300	cfu/100ml	
HCC-07	WW_96	2004-07-12		E. Coli	710	cfu/100ml	
HCC-07	WW_96	2005-07-11		E. Coli	2000	cfu/100ml	
HCC-07	WW_96	2005-01-10		E. Coli	1000	cfu/100ml	
HCC-07	WW_96	2010-04-12		E. Coli	220	cfu/100ml	
HCC-07	WW_96	2008-10-13		E. Coli	410	cfu/100ml	
HCC-07	WW_96	2007-04-09		E. Coli	110	cfu/100ml	
HCC-07	WW_96	2006-10-09		E. Coli	940	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-04-14		E. Coli	480	cfu/100ml	
HCC-07	WW_96	2007-07-09		E. Coli	980	cfu/100ml	
HCC-07	WW_96	2008-07-14		E. Coli	710	cfu/100ml	
HCC-07	WW_96	2006-01-09		E. Coli	450	cfu/100ml	
HCC-07	WW_96	2010-07-12		E. Coli	25000	cfu/100ml	
HCC-07	WW_96	2005-10-10		E. Coli	890	cfu/100ml	
HCC-07	WW_96	2009-07-13		E. Coli	560	cfu/100ml	
HCC-07	WW_96	2007-10-08		E. Coli	530	cfu/100ml	
HCC-07	WW_96	2009-04-13		E. Coli	40	cfu/100ml	
HCC-07	WW_96	2008-01-14		E. Coli	700	cfu/100ml	
HCC-07	WW_96	2006-04-10		E. Coli	180	cfu/100ml	
HCC-07	WW_96	2006-07-10		E. Coli	640	cfu/100ml	
HCC-07	WW_96	2009-01-12		E. Coli	90	cfu/100ml	
HCC-07	WW_96	2009-10-12		E. Coli	240	cfu/100ml	
HCC-07	WW_96	2007-01-08		E. Coli	450	cfu/100ml	
HCC-07	WW_96	2003-08-11		E. Coli	650	cfu/100ml	
HCC-07	WW_96	2001-04-09		E. Coli	39000	cfu/100ml	
HCC-07	WW_96	2003-04-14		E. Coli	3700	cfu/100ml	
HCC-07	WW_96	2003-01-13		E. Coli	410	cfu/100ml	
HCC-07	WW_96	2003-07-14		E. Coli	880	cfu/100ml	
HCC-07	WW_96	2002-10-14		E. Coli	670	cfu/100ml	
HCC-07	WW_96	2002-01-14		E. Coli	3600	cfu/100ml	
HCC-07	WW_96	2004-01-12		E. Coli	200	cfu/100ml	
HCC-07	WW_96	2001-07-09		E. Coli	2300	cfu/100ml	
HCC-07	WW_96	2004-04-12		E. Coli	70	cfu/100ml	
HCC-07	WW_96	2003-10-13		E. Coli	820	cfu/100ml	
HCC-07	WW_96	2002-07-08		E. Coli	670	cfu/100ml	
HCC-07	WW_96	2002-04-08		E. Coli	3600	cfu/100ml	
HCCB-05	WW_106	2010-10-11		E. Coli	310	cfu/100ml	
HCCB-05	WW_106	2011-04-11		E. Coli	1300	cfu/100ml	
HCCB-05	WW_106	2011-01-10		E. Coli	5600	cfu/100ml	
HCCB-05	WW_106	2011-07-11		E. Coli	200	cfu/100ml	
HCCB-05	WW_106	2003-07-14		E. Coli	5000	cfu/100ml	
HCCB-05	WW_106	2004-04-12		E. Coli	2700	cfu/100ml	
HCCB-05	WW_106	2004-10-11		E. Coli	1100	cfu/100ml	
HCCB-05	WW_106	2001-03-12		E. Coli	2200	cfu/100ml	
HCCB-05	WW_106	2001-06-11		E. Coli	690	cfu/100ml	
HCCB-05	WW_106	2004-01-12		E. Coli	3300	cfu/100ml	
HCCB-05	WW_106	2003-10-13		E. Coli	5200	cfu/100ml	
HCCB-05	WW_106	2009-10-12		E. Coli	550	cfu/100ml	
HCCB-05	WW_106	2007-01-08		E. Coli	1800	cfu/100ml	
HCCB-05	WW_106	2006-01-09		E. Coli	6200	cfu/100ml	
HCCB-05	WW_106	2008-04-14		E. Coli	730	cfu/100ml	
HCCB-05	WW_106	2006-10-09		E. Coli	690	cfu/100ml	
HCCB-05	WW_106	2008-10-13		E. Coli	1400	cfu/100ml	
HCCB-05	WW_106	2008-01-14		E. Coli	1100	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-01-12		E. Coli	2400	cfu/100ml	
HCCB-05	WW_106	2008-07-14		E. Coli	920	cfu/100ml	
HCCB-05	WW_106	2010-07-12		E. Coli	2200	cfu/100ml	
HCCB-05	WW_106	2010-04-12		E. Coli	2500	cfu/100ml	
HCCB-05	WW_106	2009-04-13		E. Coli	6700	cfu/100ml	
HCCC-02	WW_31	2011-04-11		E. Coli	110	cfu/100ml	
HCCC-02	WW_31	2011-07-11		E. Coli	1100	cfu/100ml	
HCCC-02	WW_31	2010-10-11		E. Coli	30	cfu/100ml	
HCCC-02	WW_31	2005-07-11		E. Coli	540	cfu/100ml	
HCCC-02	WW_31	2005-04-11		E. Coli	380	cfu/100ml	
HCCC-02	WW_31	2004-07-12		E. Coli	530	cfu/100ml	
HCCC-02	WW_31	2004-10-11		E. Coli	500	cfu/100ml	
HCCC-02	WW_31	2007-04-09		E. Coli	570	cfu/100ml	
HCCC-02	WW_31	2009-10-12		E. Coli	270	cfu/100ml	
HCCC-02	WW_31	2010-04-12		E. Coli	140	cfu/100ml	
HCCC-02	WW_31	2010-07-12		E. Coli	10000	cfu/100ml	
HCCC-02	WW_31	2007-07-09		E. Coli	2100	cfu/100ml	
HCCC-02	WW_31	2006-01-09		E. Coli	3100	cfu/100ml	
HCCC-02	WW_31	2007-10-08		E. Coli	430	cfu/100ml	
HCCC-02	WW_31	2005-10-10		E. Coli	70	cfu/100ml	
HCCC-02	WW_31	2007-01-08		E. Coli	1400	cfu/100ml	
HCCC-02	WW_31	2009-07-13		E. Coli	960	cfu/100ml	
HCCC-02	WW_31	2008-07-14		E. Coli	670	cfu/100ml	
HCCC-02	WW_31	2006-04-10		E. Coli	530	cfu/100ml	
HCCC-02	WW_31	2006-10-09		E. Coli	540	cfu/100ml	
HCCC-02	WW_31	2008-04-14		E. Coli	1000	cfu/100ml	
HCCC-02	WW_31	2008-10-13		E. Coli	760	cfu/100ml	
HCCC-02	WW_31	2009-04-13		E. Coli	390	cfu/100ml	
HCCC-02	WW_31	2008-01-14		E. Coli	2000	cfu/100ml	
HCCC-02	WW_31	2006-07-10		E. Coli	460	cfu/100ml	
HCCC-02	WW_31	2001-12-10		E. Coli	850	cfu/100ml	
HCCC-02	WW_31	2002-04-08		E. Coli	460	cfu/100ml	
HCCC-02	WW_31	2003-04-14		E. Coli	210	cfu/100ml	
HCCC-02	WW_31	2001-06-11		E. Coli	400	cfu/100ml	
HCCC-02	WW_31	2002-10-14		E. Coli	350	cfu/100ml	
HCCC-02	WW_31	2001-03-12		E. Coli	300	cfu/100ml	
HCCC-02	WW_31	2002-07-08		E. Coli	490	cfu/100ml	
HCCC-02	WW_31	2003-10-13		E. Coli	230	cfu/100ml	
HCCC-02	WW_31	2003-07-14		E. Coli	670	cfu/100ml	
HCCC-02	WW_31	2004-04-12		E. Coli	3300	cfu/100ml	
HCCC-04	WW_103	2011-04-11		E. Coli	470	cfu/100ml	
HCCC-04	WW_103	2011-07-11		E. Coli	940	cfu/100ml	
HCCC-04	WW_103	2010-10-11		E. Coli	80	cfu/100ml	
HCCC-04	WW_103	2004-07-12		E. Coli	930	cfu/100ml	
HCCC-04	WW_103	2002-04-08		E. Coli	1200	cfu/100ml	
HCCC-04	WW_103	2001-06-11		E. Coli	330	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2001-12-10		E. Coli	760	cfu/100ml	
HCCC-04	WW_103	2005-07-11		E. Coli	510	cfu/100ml	
HCCC-04	WW_103	2002-01-14		E. Coli	260	cfu/100ml	
HCCC-04	WW_103	2005-01-10		E. Coli	2200	cfu/100ml	
HCCC-04	WW_103	2004-04-12		E. Coli	170	cfu/100ml	
HCCC-04	WW_103	2004-10-11		E. Coli	580	cfu/100ml	
HCCC-04	WW_103	2003-07-14		E. Coli	390	cfu/100ml	
HCCC-04	WW_103	2002-10-14		E. Coli	1000	cfu/100ml	
HCCC-04	WW_103	2003-04-14		E. Coli	370	cfu/100ml	
HCCC-04	WW_103	2001-03-12		E. Coli	630	cfu/100ml	
HCCC-04	WW_103	2005-04-11		E. Coli	640	cfu/100ml	
HCCC-04	WW_103	2002-07-08		E. Coli	210	cfu/100ml	
HCCC-04	WW_103	2009-07-13		E. Coli	850	cfu/100ml	
HCCC-04	WW_103	2006-07-10		E. Coli	150	cfu/100ml	
HCCC-04	WW_103	2009-04-13		E. Coli	890	cfu/100ml	
HCCC-04	WW_103	2008-10-13		E. Coli	300	cfu/100ml	
HCCC-04	WW_103	2006-10-09		E. Coli	1200	cfu/100ml	
HCCC-04	WW_103	2008-04-14		E. Coli	460	cfu/100ml	
HCCC-04	WW_103	2006-04-10		E. Coli	320	cfu/100ml	
HCCC-04	WW_103	2008-07-14		E. Coli	400	cfu/100ml	
HCCC-04	WW_103	2010-04-12		E. Coli	290	cfu/100ml	
HCCC-04	WW_103	2005-10-10		E. Coli	1100	cfu/100ml	
HCCC-04	WW_103	2009-10-12		E. Coli	1200	cfu/100ml	
HCCC-04	WW_103	2010-07-12		E. Coli	3000	cfu/100ml	
HCCC-04	WW_103	2007-10-08		E. Coli	490	cfu/100ml	
HCCC-04	WW_103	2006-01-09		E. Coli	340	cfu/100ml	
HCCC-04	WW_103	2007-07-09		E. Coli	200	cfu/100ml	
HCCC-04	WW_103	2008-01-14		E. Coli	1200	cfu/100ml	
HCCC-04	WW_103	2007-04-09		E. Coli	260	cfu/100ml	
HCCC-04	WW_103	2007-01-08		E. Coli	570	cfu/100ml	
HCCC-04	WW_104	2011-01-10		E. Coli	31000	cfu/100ml	
HCCC-04	WW_104	2011-07-11		E. Coli	51000	cfu/100ml	
HCCC-04	WW_104	2010-10-11		E. Coli	190	cfu/100ml	
HCCC-04	WW_104	2011-04-11		E. Coli	200	cfu/100ml	
HCCC-04	WW_104	2002-01-14		E. Coli	200	cfu/100ml	
HCCC-04	WW_104	2005-04-11		E. Coli	170	cfu/100ml	
HCCC-04	WW_104	2003-04-14		E. Coli	180	cfu/100ml	
HCCC-04	WW_104	2005-07-11		E. Coli	330	cfu/100ml	
HCCC-04	WW_104	2004-04-12		E. Coli	140	cfu/100ml	
HCCC-04	WW_104	2002-04-08		E. Coli	210	cfu/100ml	
HCCC-04	WW_104	2002-10-14		E. Coli	390	cfu/100ml	
HCCC-04	WW_104	2004-01-12		E. Coli	370	cfu/100ml	
HCCC-04	WW_104	2001-04-09		E. Coli	360	cfu/100ml	
HCCC-04	WW_104	2004-07-12		E. Coli	1200	cfu/100ml	
HCCC-04	WW_104	2004-10-11		E. Coli	560	cfu/100ml	
HCCC-04	WW_104	2005-01-10		E. Coli	1300	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2001-07-09		E. Coli	1100	cfu/100ml	
HCCC-04	WW_104	2008-07-14		E. Coli	500	cfu/100ml	
HCCC-04	WW_104	2010-04-12		E. Coli	160	cfu/100ml	
HCCC-04	WW_104	2007-01-08		E. Coli	270	cfu/100ml	
HCCC-04	WW_104	2006-07-10		E. Coli	360	cfu/100ml	
HCCC-04	WW_104	2007-04-09		E. Coli	300	cfu/100ml	
HCCC-04	WW_104	2008-10-13		E. Coli	380	cfu/100ml	
HCCC-04	WW_104	2005-10-10		E. Coli	530	cfu/100ml	
HCCC-04	WW_104	2007-07-09		E. Coli	280	cfu/100ml	
HCCC-04	WW_104	2009-01-12		E. Coli	420	cfu/100ml	
HCCC-04	WW_104	2009-10-12		E. Coli	140	cfu/100ml	
HCCC-04	WW_104	2006-10-09		E. Coli	210	cfu/100ml	
HCCC-04	WW_104	2008-04-14		E. Coli	410	cfu/100ml	
HCCC-04	WW_104	2006-04-10		E. Coli	860	cfu/100ml	
HCCC-04	WW_104	2008-01-14		E. Coli	200	cfu/100ml	
HCCC-04	WW_104	2009-07-13		E. Coli	400	cfu/100ml	
HCCC-04	WW_104	2007-10-08		E. Coli	220	cfu/100ml	
HCCC-04	WW_104	2009-04-13		E. Coli	140	cfu/100ml	
HCCC-04	WW_104	2006-01-09		E. Coli	110	cfu/100ml	
HCCD-01	WW_32	2011-07-11		E. Coli	83000	cfu/100ml	
HCCD-01	WW_32	2010-10-11		E. Coli	100	cfu/100ml	
HCCD-01	WW_32	2011-04-11		E. Coli	250	cfu/100ml	
HCCD-01	WW_32	2005-07-11		E. Coli	350	cfu/100ml	
HCCD-01	WW_32	2004-07-12		E. Coli	660	cfu/100ml	
HCCD-01	WW_32	2004-10-11		E. Coli	4200	cfu/100ml	
HCCD-01	WW_32	2005-04-11		E. Coli	7800	cfu/100ml	
HCCD-01	WW_32	2007-07-09		E. Coli	320	cfu/100ml	
HCCD-01	WW_32	2006-07-10		E. Coli	110	cfu/100ml	
HCCD-01	WW_32	2007-04-09		E. Coli	530	cfu/100ml	
HCCD-01	WW_32	2008-10-13		E. Coli	300	cfu/100ml	
HCCD-01	WW_32	2008-07-14		E. Coli	630	cfu/100ml	
HCCD-01	WW_32	2005-10-10		E. Coli	50	cfu/100ml	
HCCD-01	WW_32	2010-07-12		E. Coli	13000	cfu/100ml	
HCCD-01	WW_32	2006-01-09		E. Coli	240	cfu/100ml	
HCCD-01	WW_32	2007-10-08		E. Coli	530	cfu/100ml	
HCCD-01	WW_32	2009-10-12		E. Coli	140	cfu/100ml	
HCCD-01	WW_32	2008-04-14		E. Coli	90	cfu/100ml	
HCCD-01	WW_32	2009-07-13		E. Coli	550	cfu/100ml	
HCCD-01	WW_32	2007-01-08		E. Coli	860	cfu/100ml	
HCCD-01	WW_32	2010-04-12		E. Coli	260	cfu/100ml	
HCCD-01	WW_32	2009-04-13		E. Coli	530	cfu/100ml	
HCCD-01	WW_32	2008-01-14		E. Coli	560	cfu/100ml	
HCCD-01	WW_32	2006-10-09		E. Coli	180	cfu/100ml	
HCCD-01	WW_32	2006-04-10		E. Coli	99	cfu/100ml	
HCCD-01	WW_32	2002-07-08		E. Coli	990	cfu/100ml	
HCCD-01	WW_32	2001-12-10		E. Coli	470	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2004-04-12		E. Coli	70	cfu/100ml	
HCCD-01	WW_32	2002-04-08		E. Coli	1100	cfu/100ml	
HCCD-01	WW_32	2001-06-11		E. Coli	3500	cfu/100ml	
HCCD-01	WW_32	2003-10-13		E. Coli	480	cfu/100ml	
HCCD-01	WW_32	2003-04-14		E. Coli	200	cfu/100ml	
HCCD-01	WW_32	2001-03-12		E. Coli	450	cfu/100ml	
HCCD-01	WW_32	2002-10-14		E. Coli	180	cfu/100ml	
HCCD-01	WW_32	2003-07-14		E. Coli	760	cfu/100ml	
HCCD-09	WW_105	2011-07-11		E. Coli	550	cfu/100ml	
HCCD-09	WW_105	2011-04-11		E. Coli	40	cfu/100ml	
HCCD-09	WW_105	2011-01-10		E. Coli	90	cfu/100ml	
HCCD-09	WW_105	2010-10-11		E. Coli	99	cfu/100ml	
HCCD-09	WW_105	2001-06-11		E. Coli	140	cfu/100ml	
HCCD-09	WW_105	2002-07-08		E. Coli	900	cfu/100ml	
HCCD-09	WW_105	2003-10-13		E. Coli	420	cfu/100ml	
HCCD-09	WW_105	2001-03-12		E. Coli	13000	cfu/100ml	
HCCD-09	WW_105	2003-01-13		E. Coli	50	cfu/100ml	
HCCD-09	WW_105	2005-04-11		E. Coli	1200	cfu/100ml	
HCCD-09	WW_105	2003-04-14		E. Coli	50	cfu/100ml	
HCCD-09	WW_105	2003-07-14		E. Coli	310	cfu/100ml	
HCCD-09	WW_105	2002-10-14		E. Coli	230	cfu/100ml	
HCCD-09	WW_105	2004-10-11		E. Coli	280	cfu/100ml	
HCCD-09	WW_105	2005-07-11		E. Coli	360	cfu/100ml	
HCCD-09	WW_105	2001-12-10		E. Coli	140	cfu/100ml	
HCCD-09	WW_105	2004-07-12		E. Coli	370	cfu/100ml	
HCCD-09	WW_105	2004-01-12		E. Coli	30	cfu/100ml	
HCCD-09	WW_105	2005-01-10		E. Coli	90	cfu/100ml	
HCCD-09	WW_105	2002-04-08		E. Coli	280	cfu/100ml	
HCCD-09	WW_105	2004-04-12		E. Coli	130	cfu/100ml	
HCCD-09	WW_105	2007-01-08		E. Coli	60	cfu/100ml	
HCCD-09	WW_105	2007-04-09		E. Coli	40	cfu/100ml	
HCCD-09	WW_105	2008-01-14		E. Coli	160	cfu/100ml	
HCCD-09	WW_105	2006-10-09		E. Coli	190	cfu/100ml	
HCCD-09	WW_105	2008-07-14		E. Coli	160	cfu/100ml	
HCCD-09	WW_105	2008-04-14		E. Coli	40	cfu/100ml	
HCCD-09	WW_105	2007-10-08		E. Coli	400	cfu/100ml	
HCCD-09	WW_105	2007-07-09		E. Coli	200	cfu/100ml	
HCCD-09	WW_105	2009-04-13		E. Coli	100	cfu/100ml	
HCCD-09	WW_105	2010-04-12		E. Coli	30	cfu/100ml	
HCCD-09	WW_105	2009-01-12		E. Coli	50	cfu/100ml	
HCCD-09	WW_105	2009-07-13		E. Coli	6200	cfu/100ml	
HCCD-09	WW_105	2009-10-12		E. Coli	120	cfu/100ml	
HCCD-09	WW_105	2010-01-11		E. Coli	40	cfu/100ml	
HCCD-09	WW_105	2006-04-10		E. Coli	9	cfu/100ml	
HCCD-09	WW_105	2006-01-09		E. Coli	70	cfu/100ml	
HCCD-09	WW_105	2008-10-13		E. Coli	210	cfu/100ml	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2006-07-10		E. Coli	210	cfu/100ml	
HCCD-09	WW_105	2010-07-12		E. Coli	2300	cfu/100ml	
HCCD-09	WW_105	2005-10-10		E. Coli	150	cfu/100ml	
UHH	UHH-1	2002-05-14		F	NA	NA	3
UHH	UHH-1	2002-06-18		F	NA	NA	3
UHH	UHH-1	2002-07-23		F	NA	NA	3
UHH	UHH-1	2002-08-20		F	NA	NA	3
UHH	UHH-1	2002-09-17		F	NA	NA	3
UHH	UHH-2	2002-05-14		F	NA	NA	3
UHH	UHH-2	2002-06-18		F	NA	NA	3
UHH	UHH-2	2002-07-23		F	NA	NA	3
UHH	UHH-2	2002-08-20		F	NA	NA	3
UHH	UHH-2	2002-09-17		F	NA	NA	3
UHH	UHH-1	2002-05-14		Hardness	NA	NA	3
UHH	UHH-1	2002-06-18		Hardness	NA	NA	3
UHH	UHH-1	2002-07-23		Hardness	NA	NA	3
UHH	UHH-1	2002-08-20		Hardness	NA	NA	3
UHH	UHH-1	2002-09-17		Hardness	NA	NA	3
UHH	UHH-2	2002-05-14		Hardness	NA	NA	3
UHH	UHH-2	2002-06-18		Hardness	NA	NA	3
UHH	UHH-2	2002-07-23		Hardness	NA	NA	3
UHH	UHH-2	2002-08-20		Hardness	NA	NA	3
UHH	UHH-2	2002-09-17		Hardness	NA	NA	3
UHH	UHH-1	2002-05-14		NA	NA	NA	3
UHH	UHH-1	2002-06-18		NA	NA	NA	3
UHH	UHH-1	2002-07-23		NA	NA	NA	3
UHH	UHH-1	2002-08-20		NA	NA	NA	3
UHH	UHH-1	2002-09-17		NA	NA	NA	3
UHH	UHH-2	2002-05-14		NA	NA	NA	3
UHH	UHH-2	2002-06-18		NA	NA	NA	3
UHH	UHH-2	2002-07-23		NA	NA	NA	3
UHH	UHH-2	2002-08-20		NA	NA	NA	3
UHH	UHH-2	2002-09-17		NA	NA	NA	3
HCC-07	HCC-07	2011-06-02	12:50	Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Nitrogen, ammonia as N	0.189	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Nitrogen, ammonia as N	0.121	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Nitrogen, ammonia as N	0.169	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Nitrogen, ammonia as N	0.113	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Nitrogen, ammonia as N	0.165	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Nitrogen, ammonia as N	0.095	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Nitrogen, ammonia as N	0.175	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Nitrogen, ammonia as N	0.231	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Nitrogen, ammonia as N	0.12	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2011-10-20	12:05	Nitrogen, ammonia as N	4.7	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Nitrogen, ammonia as N	0.164	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Nitrogen, ammonia as N	0.157	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Nitrogen, ammonia as N	0.257	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Nitrogen, ammonia as N	0.171	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Nitrogen, ammonia as N	0.106	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Nitrogen, ammonia as N	0.109	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Nitrogen, ammonia as N	0.416	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Nitrogen, ammonia as N	0.26	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Nitrogen, ammonia as N	0.26	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Nitrogen, ammonia as N	0.181	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Nitrogen, ammonia as N	0.29	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Nitrogen, ammonia as N	0.3	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Nitrogen, ammonia as N	0.063	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Nitrogen, ammonia as N	0.089	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Nitrogen, ammonia as N	0.44	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Nitrogen, ammonia as N	0.075	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Nitrogen, ammonia as N	0.29	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Nitrogen, ammonia as N	0.31	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Nitrogen, ammonia as N	0.56	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2011-07-11		Nitrogen, ammonia as N	0.39	mg/L	
HCC-07	WW_34	2012-06-11		Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	WW_34	2011-05-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2011-04-11		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2012-04-09		Nitrogen, ammonia as N	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-05-14		Nitrogen, ammonia as N	0.21	mg/L	
HCC-07	WW_34	2011-01-10		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2011-12-12		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2011-08-08		Nitrogen, ammonia as N	0.28	mg/L	
HCC-07	WW_34	2011-11-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2011-10-10		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_34	2012-07-16		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_34	2012-03-12		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_34	2011-06-13		Nitrogen, ammonia as N	0.26	mg/L	
HCC-07	WW_34	2012-02-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2011-09-12		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_34	2011-03-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2012-01-17		Nitrogen, ammonia as N	0.37	mg/L	
HCC-07	WW_34	2004-09-13		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_34	2005-04-11		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_34	2005-09-12		Nitrogen, ammonia as N	0.03	mg/L	
HCC-07	WW_34	2005-07-11		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2005-01-10		Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	WW_34	2004-08-09		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2004-06-14		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2004-12-13		Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	WW_34	2004-10-11		Nitrogen, ammonia as N	0.05	mg/L	
HCC-07	WW_34	2005-06-13		Nitrogen, ammonia as N	0.27	mg/L	
HCC-07	WW_34	2004-11-08		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2005-08-08		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2005-02-14		Nitrogen, ammonia as N	0.29	mg/L	
HCC-07	WW_34	2005-03-14		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_34	2005-05-09		Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	WW_34	2004-07-12		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2006-08-14		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2006-03-13		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2006-12-11		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_34	2005-10-10		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2006-10-09		Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	WW_34	2006-05-08		Nitrogen, ammonia as N	0.38	mg/L	
HCC-07	WW_34	2006-06-12		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_34	2006-01-09		Nitrogen, ammonia as N	0.27	mg/L	
HCC-07	WW_34	2007-03-12		Nitrogen, ammonia as N	0.25	mg/L	
HCC-07	WW_34	2006-02-14		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_34	2006-04-10		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2007-01-08		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2007-04-09		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2006-07-10		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2006-09-11		Nitrogen, ammonia as N	0.25	mg/L	
HCC-07	WW_34	2006-11-13		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2005-11-14		Nitrogen, ammonia as N	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2009-08-10		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2009-07-13		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2008-04-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2009-09-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2008-11-10		Nitrogen, ammonia as N	0.27	mg/L	
HCC-07	WW_34	2007-11-13		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2008-05-12		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2007-10-08		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2009-11-09		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_34	2007-09-10		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2009-10-12		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_34	2008-10-13		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_34	2008-03-10		Nitrogen, ammonia as N	0.27	mg/L	
HCC-07	WW_34	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2009-01-12		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2008-01-14		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2009-03-09		Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	WW_34	2009-02-09		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_34	2008-12-08		Nitrogen, ammonia as N	0.38	mg/L	
HCC-07	WW_34	2007-12-10		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2009-06-08		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2009-05-11		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_34	2007-06-11		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2010-07-12		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2010-06-14		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2007-07-09		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2010-05-10		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2008-09-08		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_34	2007-05-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2008-07-14		Nitrogen, ammonia as N	0.24	mg/L	
HCC-07	WW_34	2008-06-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2008-08-11		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2010-08-09		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_34	2007-08-13		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2010-02-08		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2010-03-08		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2009-12-14		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2010-01-11		Nitrogen, ammonia as N	0.73	mg/L	
HCC-07	WW_34	2010-04-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_34	2001-10-08		Nitrogen, ammonia as N	0.074	mg/L	
HCC-07	WW_34	2001-03-12		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_34	2003-06-09		Nitrogen, ammonia as N	0.29	mg/L	
HCC-07	WW_34	2002-06-10		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_34	2003-11-10		Nitrogen, ammonia as N	0.22	mg/L	
HCC-07	WW_34	2002-02-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_34	2003-03-10		Nitrogen, ammonia as N	0.44	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2004-01-12		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_34	2003-05-12		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_34	2001-01-16		Nitrogen, ammonia as N	0.25	mg/L	
HCC-07	WW_34	2002-03-11		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_34	2004-02-09		Nitrogen, ammonia as N	0.58	mg/L	
HCC-07	WW_34	2001-08-13		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2001-07-09		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_34	2003-04-14		Nitrogen, ammonia as N	0.02	mg/L	
HCC-07	WW_34	2002-05-13		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_34	2003-12-08		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2001-02-13		Nitrogen, ammonia as N	0.38	mg/L	
HCC-07	WW_34	2002-04-08		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_34	2004-03-08		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_34	2002-09-09		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_34	2003-09-08		Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	WW_34	2003-07-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2001-04-09		Nitrogen, ammonia as N	0.25	mg/L	
HCC-07	WW_34	2001-11-13		Nitrogen, ammonia as N	0.097	mg/L	
HCC-07	WW_34	2002-10-14		Nitrogen, ammonia as N	0.07	mg/L	
HCC-07	WW_34	2001-12-10		Nitrogen, ammonia as N	2.044	mg/L	
HCC-07	WW_34	2003-08-11		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_34	2001-05-14		Nitrogen, ammonia as N	0.179	mg/L	
HCC-07	WW_34	2002-11-12		Nitrogen, ammonia as N	3.01	mg/L	
HCC-07	WW_34	2004-05-10		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_34	2004-04-12		Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	WW_34	2002-07-08		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2003-01-13		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_34	2001-06-11		Nitrogen, ammonia as N	0.157	mg/L	
HCC-07	WW_34	2001-09-10		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_34	2002-01-14		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_34	2003-10-13		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_34	2002-08-12		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_34	2002-12-09		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_96	2014-06-09		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_96	2012-03-12		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2014-04-14		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_96	2010-12-13		Nitrogen, ammonia as N	0.38	mg/L	
HCC-07	WW_96	2014-03-10		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_96	2012-04-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2014-05-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-09-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-11-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2014-11-10		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2012-01-17		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_96	2014-10-13		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2014-12-08		Nitrogen, ammonia as N	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2011-12-12		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2010-10-11		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2010-11-08		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-10-10		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2014-07-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2014-09-15		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2014-08-11		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2012-02-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-05-13		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2012-09-10		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2013-04-08		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-03-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-06-10		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2012-08-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-01-14		Nitrogen, ammonia as N	0.37	mg/L	
HCC-07	WW_96	2012-11-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2012-12-10		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_96	2013-03-11		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_96	2011-05-09		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_96	2012-10-08		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-02-11		Nitrogen, ammonia as N	0.26	mg/L	
HCC-07	WW_96	2011-04-11		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-12-09		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_96	2011-08-08		Nitrogen, ammonia as N	0.3	mg/L	
HCC-07	WW_96	2012-05-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2014-01-13		Nitrogen, ammonia as N	0.35	mg/L	
HCC-07	WW_96	2011-01-10		Nitrogen, ammonia as N	0.63	mg/L	
HCC-07	WW_96	2012-07-16		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_96	2013-08-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2013-07-15		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-06-13		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_96	2012-06-11		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2013-10-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2013-11-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2011-07-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2013-09-16		Nitrogen, ammonia as N	0.27	mg/L	
HCC-07	WW_96	2004-10-11		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2004-12-13		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_96	2004-11-08		Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	WW_96	2005-04-11		Nitrogen, ammonia as N	0.04	mg/L	
HCC-07	WW_96	2005-05-09		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_96	2005-02-14		Nitrogen, ammonia as N	0.41	mg/L	
HCC-07	WW_96	2004-08-09		Nitrogen, ammonia as N	0.25	mg/L	
HCC-07	WW_96	2005-07-11		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_96	2005-01-10		Nitrogen, ammonia as N	0.37	mg/L	
HCC-07	WW_96	2005-08-08		Nitrogen, ammonia as N	0.04	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-07-12		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_96	2004-09-13		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_96	2004-06-14		Nitrogen, ammonia as N	0.34	mg/L	
HCC-07	WW_96	2005-03-14		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2005-06-13		Nitrogen, ammonia as N	0.31	mg/L	
HCC-07	WW_96	2005-09-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2007-07-09		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2008-10-13		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2010-05-10		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2010-03-08		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2006-01-09		Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	WW_96	2007-03-12		Nitrogen, ammonia as N	0.39	mg/L	
HCC-07	WW_96	2008-07-14		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2010-09-13		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_96	2010-04-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-08-14		Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	WW_96	2005-10-10		Nitrogen, ammonia as N	0.15	mg/L	
HCC-07	WW_96	2007-06-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2008-06-09		Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	WW_96	2010-08-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-10-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2008-08-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2007-04-09		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2010-07-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2005-11-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-09-11		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2007-05-14		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2008-05-12		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2008-09-08		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2010-06-14		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2009-03-09		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2007-11-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-04-10		Nitrogen, ammonia as N	0.02	mg/L	
HCC-07	WW_96	2006-06-12		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2009-07-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2008-02-11		Nitrogen, ammonia as N	0.35	mg/L	
HCC-07	WW_96	2009-02-09		Nitrogen, ammonia as N	0.36	mg/L	
HCC-07	WW_96	2007-01-08		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_96	2009-08-10		Nitrogen, ammonia as N	0.12	mg/L	
HCC-07	WW_96	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-12-11		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2008-01-14		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_96	2006-05-08		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2009-05-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2007-12-10		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2009-06-08		Nitrogen, ammonia as N	0.05	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2009-12-14		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2008-12-08		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_96	2006-02-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2006-11-13		Nitrogen, ammonia as N	0.19	mg/L	
HCC-07	WW_96	2010-02-08		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2008-11-10		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2007-08-13		Nitrogen, ammonia as N	0.14	mg/L	
HCC-07	WW_96	2008-04-14		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2008-03-10		Nitrogen, ammonia as N	0.23	mg/L	
HCC-07	WW_96	2006-03-13		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_96	2007-10-08		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2009-09-14		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2007-09-10		Nitrogen, ammonia as N	0.04	mg/L	
HCC-07	WW_96	2009-11-09		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2006-07-10		Nitrogen, ammonia as N	0.05	mg/L	
HCC-07	WW_96	2009-01-12		Nitrogen, ammonia as N	0.21	mg/L	
HCC-07	WW_96	2009-10-12		Nitrogen, ammonia as N	0	mg/L	
HCC-07	WW_96	2002-09-09		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_96	2003-08-11		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_96	2003-05-12		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_96	2001-05-14		Nitrogen, ammonia as N	0.162	mg/L	
HCC-07	WW_96	2001-01-16		Nitrogen, ammonia as N	1.44	mg/L	
HCC-07	WW_96	2001-02-13		Nitrogen, ammonia as N	2.94	mg/L	
HCC-07	WW_96	2002-10-14		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2003-07-14		Nitrogen, ammonia as N	0.08	mg/L	
HCC-07	WW_96	2002-12-09		Nitrogen, ammonia as N	0.2	mg/L	
HCC-07	WW_96	2003-01-13		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2003-04-14		Nitrogen, ammonia as N	0.04	mg/L	
HCC-07	WW_96	2001-03-12		Nitrogen, ammonia as N	0.21	mg/L	
HCC-07	WW_96	2001-04-09		Nitrogen, ammonia as N	0.3	mg/L	
HCC-07	WW_96	2002-11-12		Nitrogen, ammonia as N	1.62	mg/L	
HCC-07	WW_96	2003-06-09		Nitrogen, ammonia as N	0.21	mg/L	
HCC-07	WW_96	2002-02-11		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2004-04-12		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2002-03-11		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_96	2004-03-08		Nitrogen, ammonia as N	0.17	mg/L	
HCC-07	WW_96	2001-08-13		Nitrogen, ammonia as N	0.061	mg/L	
HCC-07	WW_96	2001-11-13		Nitrogen, ammonia as N	0.076	mg/L	
HCC-07	WW_96	2001-10-08		Nitrogen, ammonia as N	0.098	mg/L	
HCC-07	WW_96	2002-01-14		Nitrogen, ammonia as N	0.1	mg/L	
HCC-07	WW_96	2001-09-10		Nitrogen, ammonia as N	0.114	mg/L	
HCC-07	WW_96	2004-05-10		Nitrogen, ammonia as N	0.11	mg/L	
HCC-07	WW_96	2001-12-10		Nitrogen, ammonia as N	0.057	mg/L	
HCC-07	WW_96	2002-07-08		Nitrogen, ammonia as N	0.06	mg/L	
HCC-07	WW_96	2001-06-11		Nitrogen, ammonia as N	0.115	mg/L	
HCC-07	WW_96	2003-09-08		Nitrogen, ammonia as N	0.15	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2003-10-13		Nitrogen, ammonia as N	0.18	mg/L	
HCC-07	WW_96	2002-08-12		Nitrogen, ammonia as N	0.09	mg/L	
HCC-07	WW_96	2001-07-09		Nitrogen, ammonia as N	0.147	mg/L	
HCC-07	WW_96	2004-01-12		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2002-04-08		Nitrogen, ammonia as N	0.26	mg/L	
HCC-07	WW_96	2003-11-10		Nitrogen, ammonia as N	0.16	mg/L	
HCC-07	WW_96	2002-06-10		Nitrogen, ammonia as N	0.07	mg/L	
HCC-07	WW_96	2002-05-13		Nitrogen, ammonia as N	0.13	mg/L	
HCC-07	WW_96	2003-12-08		Nitrogen, ammonia as N	0.21	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Nitrogen, ammonia as N	0.35	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Nitrogen, ammonia as N	0.25	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Nitrogen, ammonia as N	0.32	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Nitrogen, ammonia as N	0.28	mg/L	
HCCB-05	HCCB-13	2011-08-29	15:33	Nitrogen, ammonia as N	0.68	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Nitrogen, ammonia as N	0.22	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Nitrogen, ammonia as N	1.39	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Nitrogen, ammonia as N	0.23	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Nitrogen, ammonia as N	0.3	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Nitrogen, ammonia as N	0.54	mg/L	
HCCB-05	WW_106	2010-11-08		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2012-02-14		Nitrogen, ammonia as N	0.5	mg/L	
HCCB-05	WW_106	2012-01-17		Nitrogen, ammonia as N	0.44	mg/L	
HCCB-05	WW_106	2011-11-14		Nitrogen, ammonia as N	0.29	mg/L	
HCCB-05	WW_106	2012-03-12		Nitrogen, ammonia as N	1.01	mg/L	
HCCB-05	WW_106	2010-10-11		Nitrogen, ammonia as N	0.25	mg/L	
HCCB-05	WW_106	2010-12-13		Nitrogen, ammonia as N	0.4	mg/L	
HCCB-05	WW_106	2011-12-12		Nitrogen, ammonia as N	0.48	mg/L	
HCCB-05	WW_106	2011-03-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2012-07-16		Nitrogen, ammonia as N	0.49	mg/L	
HCCB-05	WW_106	2011-07-11		Nitrogen, ammonia as N	3.28	mg/L	
HCCB-05	WW_106	2011-04-11		Nitrogen, ammonia as N	0.1	mg/L	
HCCB-05	WW_106	2011-05-09		Nitrogen, ammonia as N	0.39	mg/L	
HCCB-05	WW_106	2011-06-13		Nitrogen, ammonia as N	1.58	mg/L	
HCCB-05	WW_106	2011-02-14		Nitrogen, ammonia as N	1.01	mg/L	
HCCB-05	WW_106	2012-05-14		Nitrogen, ammonia as N	0.61	mg/L	
HCCB-05	WW_106	2011-08-08		Nitrogen, ammonia as N	0.29	mg/L	
HCCB-05	WW_106	2011-01-10		Nitrogen, ammonia as N	2.66	mg/L	
HCCB-05	WW_106	2004-03-08		Nitrogen, ammonia as N	0.22	mg/L	
HCCB-05	WW_106	2001-05-14		Nitrogen, ammonia as N	0.311	mg/L	
HCCB-05	WW_106	2005-02-14		Nitrogen, ammonia as N	0.27	mg/L	
HCCB-05	WW_106	2001-03-12		Nitrogen, ammonia as N	0.46	mg/L	
HCCB-05	WW_106	2003-05-12		Nitrogen, ammonia as N	0.19	mg/L	
HCCB-05	WW_106	2004-05-10		Nitrogen, ammonia as N	0.43	mg/L	
HCCB-05	WW_106	2005-08-08		Nitrogen, ammonia as N	0.25	mg/L	
HCCB-05	WW_106	2001-04-09		Nitrogen, ammonia as N	0.54	mg/L	
HCCB-05	WW_106	2002-02-11		Nitrogen, ammonia as N	0.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2004-06-14		Nitrogen, ammonia as N	0.35	mg/L	
HCCB-05	WW_106	2003-07-14		Nitrogen, ammonia as N	0.37	mg/L	
HCCB-05	WW_106	2004-11-08		Nitrogen, ammonia as N	0	mg/L	
HCCB-05	WW_106	2004-04-12		Nitrogen, ammonia as N	0.58	mg/L	
HCCB-05	WW_106	2005-03-14		Nitrogen, ammonia as N	0.39	mg/L	
HCCB-05	WW_106	2004-02-09		Nitrogen, ammonia as N	0.51	mg/L	
HCCB-05	WW_106	2002-04-08		Nitrogen, ammonia as N	0.17	mg/L	
HCCB-05	WW_106	2003-10-13		Nitrogen, ammonia as N	0.42	mg/L	
HCCB-05	WW_106	2001-06-11		Nitrogen, ammonia as N	0.481	mg/L	
HCCB-05	WW_106	2002-08-12		Nitrogen, ammonia as N	0.21	mg/L	
HCCB-05	WW_106	2002-06-10		Nitrogen, ammonia as N	0.09	mg/L	
HCCB-05	WW_106	2004-01-12		Nitrogen, ammonia as N	0.64	mg/L	
HCCB-05	WW_106	2002-05-13		Nitrogen, ammonia as N	0.1	mg/L	
HCCB-05	WW_106	2004-10-11		Nitrogen, ammonia as N	1.79	mg/L	
HCCB-05	WW_106	2001-09-10		Nitrogen, ammonia as N	0.434	mg/L	
HCCB-05	WW_106	2002-03-11		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2009-11-09		Nitrogen, ammonia as N	0.4	mg/L	
HCCB-05	WW_106	2008-05-12		Nitrogen, ammonia as N	0.13	mg/L	
HCCB-05	WW_106	2010-03-08		Nitrogen, ammonia as N	0.16	mg/L	
HCCB-05	WW_106	2009-05-11		Nitrogen, ammonia as N	0.82	mg/L	
HCCB-05	WW_106	2008-09-08		Nitrogen, ammonia as N	0.3	mg/L	
HCCB-05	WW_106	2010-08-09		Nitrogen, ammonia as N	0.35	mg/L	
HCCB-05	WW_106	2006-01-09		Nitrogen, ammonia as N	2.41	mg/L	
HCCB-05	WW_106	2008-04-14		Nitrogen, ammonia as N	0.11	mg/L	
HCCB-05	WW_106	2007-01-08		Nitrogen, ammonia as N	0.18	mg/L	
HCCB-05	WW_106	2009-12-14		Nitrogen, ammonia as N	0.26	mg/L	
HCCB-05	WW_106	2010-09-13		Nitrogen, ammonia as N	0.3	mg/L	
HCCB-05	WW_106	2008-11-10		Nitrogen, ammonia as N	0.84	mg/L	
HCCB-05	WW_106	2009-06-08		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2008-03-10		Nitrogen, ammonia as N	0.69	mg/L	
HCCB-05	WW_106	2009-08-10		Nitrogen, ammonia as N	1.1	mg/L	
HCCB-05	WW_106	2010-02-08		Nitrogen, ammonia as N	0.89	mg/L	
HCCB-05	WW_106	2007-12-10		Nitrogen, ammonia as N	0.74	mg/L	
HCCB-05	WW_106	2008-01-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2009-01-12		Nitrogen, ammonia as N	0.54	mg/L	
HCCB-05	WW_106	2005-11-14		Nitrogen, ammonia as N	0	mg/L	
HCCB-05	WW_106	2009-03-09		Nitrogen, ammonia as N	0.23	mg/L	
HCCB-05	WW_106	2009-10-12		Nitrogen, ammonia as N	0.91	mg/L	
HCCB-05	WW_106	2007-08-13		Nitrogen, ammonia as N	0.25	mg/L	
HCCB-05	WW_106	2007-03-12		Nitrogen, ammonia as N	0.12	mg/L	
HCCB-05	WW_106	2008-07-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCB-05	WW_106	2009-02-09		Nitrogen, ammonia as N	0.32	mg/L	
HCCB-05	WW_106	2006-12-11		Nitrogen, ammonia as N	0.41	mg/L	
HCCB-05	WW_106	2010-07-12		Nitrogen, ammonia as N	0.2	mg/L	
HCCB-05	WW_106	2008-08-11		Nitrogen, ammonia as N	0.97	mg/L	
HCCB-05	WW_106	2006-03-13		Nitrogen, ammonia as N	0.14	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2008-10-13		Nitrogen, ammonia as N	0.33	mg/L	
HCCB-05	WW_106	2006-10-09		Nitrogen, ammonia as N	0.4	mg/L	
HCCB-05	WW_106	2010-04-12		Nitrogen, ammonia as N	0.18	mg/L	
HCCB-05	WW_106	2008-06-09		Nitrogen, ammonia as N	0.21	mg/L	
HCCB-05	WW_106	2008-12-08		Nitrogen, ammonia as N	1.46	mg/L	
HCCB-05	WW_106	2006-09-11		Nitrogen, ammonia as N	0.21	mg/L	
HCCB-05	WW_106	2009-09-14		Nitrogen, ammonia as N	0.31	mg/L	
HCCB-05	WW_106	2010-05-10		Nitrogen, ammonia as N	0.53	mg/L	
HCCB-05	WW_106	2009-04-13		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Nitrogen, ammonia as N	0.21	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Nitrogen, ammonia as N	0.38	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Nitrogen, ammonia as N	0.05	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Nitrogen, ammonia as N	0.26	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Nitrogen, ammonia as N	1.15	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Nitrogen, ammonia as N	0.2	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Nitrogen, ammonia as N	0.09	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Nitrogen, ammonia as N	0.17	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Nitrogen, ammonia as N	0.15	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Nitrogen, ammonia as N	0.36	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Nitrogen, ammonia as N	0.02	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Nitrogen, ammonia as N	0.2	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Nitrogen, ammonia as N	0.37	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Nitrogen, ammonia as N	0.49	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Nitrogen, ammonia as N	0.087	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Nitrogen, ammonia as N	0.17	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Nitrogen, ammonia as N	0.063	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Nitrogen, ammonia as N	0.35	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Nitrogen, ammonia as N	0.25	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Nitrogen, ammonia as N	0.124	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Nitrogen, ammonia as N	0.042	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Nitrogen, ammonia as N	0.062	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Nitrogen, ammonia as N	0.039	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Nitrogen, ammonia as N	0.04	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Nitrogen, ammonia as N	0.0745	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Nitrogen, ammonia as N	0.24	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Nitrogen, ammonia as N	0.199	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2009-09-15	10:15	Nitrogen, ammonia as N	0.201	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Nitrogen, ammonia as N	0.149	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Nitrogen, ammonia as N	0.291	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Nitrogen, ammonia as N	0.082	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Nitrogen, ammonia as N	0.112	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Nitrogen, ammonia as N	0.145	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Nitrogen, ammonia as N	0.115	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Nitrogen, ammonia as N	0.283	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Nitrogen, ammonia as N	0.264	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Nitrogen, ammonia as N	0.108	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Nitrogen, ammonia as N	0.0703	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Nitrogen, ammonia as N	0.36	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Nitrogen, ammonia as N	0.105	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Nitrogen, ammonia as N	0.037	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Nitrogen, ammonia as N	0.46	mg/L	
HCCC-02	HCCC-06	2011-06-29	8:15	Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Nitrogen, ammonia as N	0.81	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Nitrogen, ammonia as N	0.15	mg/L	
HCCC-02	WW_31	2010-10-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-05-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-10-10		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-03-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2010-11-08		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-07-11		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-02	WW_31	2011-11-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-04-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2011-06-13		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	WW_31	2011-08-08		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2012-03-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2012-04-09		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2012-05-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2011-12-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2012-07-16		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-02	WW_31	2005-09-12		Nitrogen, ammonia as N	0.03	mg/L	
HCCC-02	WW_31	2005-08-08		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-02	WW_31	2005-06-13		Nitrogen, ammonia as N	0.89	mg/L	
HCCC-02	WW_31	2005-07-11		Nitrogen, ammonia as N	0.33	mg/L	
HCCC-02	WW_31	2005-05-09		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-02	WW_31	2004-09-13		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2004-10-11		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2005-02-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-02	WW_31	2005-04-11		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-02	WW_31	2005-03-14		Nitrogen, ammonia as N	0.05	mg/L	
HCCC-02	WW_31	2004-07-12		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	WW_31	2004-11-08		Nitrogen, ammonia as N	0.21	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2004-06-14		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	WW_31	2004-12-13		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-02	WW_31	2004-08-09		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	WW_31	2006-12-11		Nitrogen, ammonia as N	0.05	mg/L	
HCCC-02	WW_31	2007-05-14		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-02	WW_31	2010-09-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2008-01-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2009-11-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2009-10-12		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2005-10-10		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	WW_31	2010-05-10		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2007-03-12		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-02	WW_31	2007-08-13		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-02	WW_31	2010-04-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2007-09-10		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	WW_31	2010-07-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2007-07-09		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-02	WW_31	2005-11-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2010-06-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2007-01-08		Nitrogen, ammonia as N	0.05	mg/L	
HCCC-02	WW_31	2009-12-14		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	WW_31	2007-11-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2010-08-09		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2007-06-11		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-02	WW_31	2006-01-09		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-02	WW_31	2007-04-09		Nitrogen, ammonia as N	0.05	mg/L	
HCCC-02	WW_31	2010-03-08		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2007-10-08		Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	WW_31	2006-04-10		Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	WW_31	2006-06-12		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	WW_31	2006-05-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2006-07-10		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-02	WW_31	2009-07-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2006-09-11		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-02	WW_31	2008-07-14		Nitrogen, ammonia as N	0.56	mg/L	
HCCC-02	WW_31	2009-05-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2008-09-08		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2009-03-09		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	WW_31	2009-06-08		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-02	WW_31	2008-04-14		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2006-11-13		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	WW_31	2008-05-12		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-02	WW_31	2008-08-11		Nitrogen, ammonia as N	0.25	mg/L	
HCCC-02	WW_31	2009-09-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2006-08-14		Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	WW_31	2008-06-09		Nitrogen, ammonia as N	0.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2006-03-13		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-02	WW_31	2006-10-09		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-02	WW_31	2008-10-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2008-03-10		Nitrogen, ammonia as N	0.25	mg/L	
HCCC-02	WW_31	2009-08-10		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-02	WW_31	2008-11-10		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2002-04-08		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-02	WW_31	2001-08-13		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-02	WW_31	2002-06-10		Nitrogen, ammonia as N	0.07	mg/L	
HCCC-02	WW_31	2001-03-12		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2003-05-12		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-02	WW_31	2001-02-13		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-02	WW_31	2002-05-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2001-11-13		Nitrogen, ammonia as N	0.101	mg/L	
HCCC-02	WW_31	2003-04-14		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-02	WW_31	2001-07-09		Nitrogen, ammonia as N	0.196	mg/L	
HCCC-02	WW_31	2001-12-10		Nitrogen, ammonia as N	0.093	mg/L	
HCCC-02	WW_31	2001-05-14		Nitrogen, ammonia as N	0.163	mg/L	
HCCC-02	WW_31	2002-09-09		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-02	WW_31	2001-09-10		Nitrogen, ammonia as N	0.096	mg/L	
HCCC-02	WW_31	2002-03-11		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-02	WW_31	2002-10-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2002-11-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-02	WW_31	2001-10-08		Nitrogen, ammonia as N	0.028	mg/L	
HCCC-02	WW_31	2002-07-08		Nitrogen, ammonia as N	0.7	mg/L	
HCCC-02	WW_31	2001-06-11		Nitrogen, ammonia as N	0.235	mg/L	
HCCC-02	WW_31	2002-08-12		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-02	WW_31	2002-02-11		Nitrogen, ammonia as N	0.08	mg/L	
HCCC-02	WW_31	2001-04-09		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-02	WW_31	2003-06-09		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2003-09-08		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2003-11-10		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-02	WW_31	2004-04-12		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-02	WW_31	2003-07-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-02	WW_31	2003-10-13		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-02	WW_31	2004-03-08		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-02	WW_31	2004-05-10		Nitrogen, ammonia as N	0.52	mg/L	
HCCC-02	WW_31	2003-08-11		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-02	WW_31	2003-12-08		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Nitrogen, ammonia as N	0.27	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Nitrogen, ammonia as N	0.14	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	HCCC-08	2011-09-20	9:25	Nitrogen, ammonia as N	0.46	mg/L	
HCCC-04	WW_103	2011-06-13		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-04	WW_103	2011-05-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2012-01-17		Nitrogen, ammonia as N	0.47	mg/L	
HCCC-04	WW_103	2011-11-14		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-04	WW_103	2011-12-12		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-04	WW_103	2011-09-12		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_103	2011-08-08		Nitrogen, ammonia as N	0.38	mg/L	
HCCC-04	WW_103	2012-05-14		Nitrogen, ammonia as N	0.36	mg/L	
HCCC-04	WW_103	2012-04-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2012-02-14		Nitrogen, ammonia as N	0.32	mg/L	
HCCC-04	WW_103	2012-07-16		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_103	2012-03-12		Nitrogen, ammonia as N	0.32	mg/L	
HCCC-04	WW_103	2011-10-10		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_103	2012-06-11		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_103	2011-07-11		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2010-10-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2011-03-14		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_103	2011-04-11		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_103	2011-02-14		Nitrogen, ammonia as N	0.82	mg/L	
HCCC-04	WW_103	2010-11-08		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_103	2003-12-08		Nitrogen, ammonia as N	0.35	mg/L	
HCCC-04	WW_103	2005-01-10		Nitrogen, ammonia as N	0.35	mg/L	
HCCC-04	WW_103	2004-08-09		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_103	2002-04-08		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2001-08-13		Nitrogen, ammonia as N	0.381	mg/L	
HCCC-04	WW_103	2005-09-12		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_103	2005-03-14		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-04	WW_103	2003-11-10		Nitrogen, ammonia as N	0.33	mg/L	
HCCC-04	WW_103	2002-06-10		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_103	2002-07-08		Nitrogen, ammonia as N	0.33	mg/L	
HCCC-04	WW_103	2004-09-13		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_103	2001-07-09		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_103	2002-05-13		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_103	2004-06-14		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-04	WW_103	2002-01-14		Nitrogen, ammonia as N	0.51	mg/L	
HCCC-04	WW_103	2005-02-14		Nitrogen, ammonia as N	0.36	mg/L	
HCCC-04	WW_103	2001-10-08		Nitrogen, ammonia as N	0.201	mg/L	
HCCC-04	WW_103	2004-04-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_103	2001-12-10		Nitrogen, ammonia as N	0.024	mg/L	
HCCC-04	WW_103	2004-05-10		Nitrogen, ammonia as N	0.27	mg/L	
HCCC-04	WW_103	2001-11-13		Nitrogen, ammonia as N	0.216	mg/L	
HCCC-04	WW_103	2002-03-11		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-04	WW_103	2001-09-10		Nitrogen, ammonia as N	0.086	mg/L	
HCCC-04	WW_103	2004-07-12		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-04	WW_103	2005-07-11		Nitrogen, ammonia as N	0.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2002-02-11		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-04	WW_103	2004-03-08		Nitrogen, ammonia as N	0.43	mg/L	
HCCC-04	WW_103	2002-11-12		Nitrogen, ammonia as N	6.05	mg/L	
HCCC-04	WW_103	2004-11-08		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_103	2003-07-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_103	2001-04-09		Nitrogen, ammonia as N	0.67	mg/L	
HCCC-04	WW_103	2003-08-11		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-04	WW_103	2002-10-14		Nitrogen, ammonia as N	0.26	mg/L	
HCCC-04	WW_103	2003-05-12		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2004-12-13		Nitrogen, ammonia as N	0.36	mg/L	
HCCC-04	WW_103	2001-03-12		Nitrogen, ammonia as N	0.39	mg/L	
HCCC-04	WW_103	2005-04-11		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_103	2005-05-09		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_103	2003-06-09		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-04	WW_103	2003-04-14		Nitrogen, ammonia as N	0.03	mg/L	
HCCC-04	WW_103	2004-10-11		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_103	2005-06-13		Nitrogen, ammonia as N	0.83	mg/L	
HCCC-04	WW_103	2002-08-12		Nitrogen, ammonia as N	0.34	mg/L	
HCCC-04	WW_103	2002-09-09		Nitrogen, ammonia as N	0.32	mg/L	
HCCC-04	WW_103	2001-06-11		Nitrogen, ammonia as N	0.235	mg/L	
HCCC-04	WW_103	2001-05-14		Nitrogen, ammonia as N	0.264	mg/L	
HCCC-04	WW_103	2003-09-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_103	2009-04-13		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_103	2009-05-11		Nitrogen, ammonia as N	0.34	mg/L	
HCCC-04	WW_103	2006-08-14		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_103	2008-03-10		Nitrogen, ammonia as N	0.34	mg/L	
HCCC-04	WW_103	2008-10-13		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-04	WW_103	2008-06-09		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_103	2008-11-10		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_103	2009-08-10		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-04	WW_103	2006-10-09		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-04	WW_103	2009-03-09		Nitrogen, ammonia as N	0.26	mg/L	
HCCC-04	WW_103	2006-04-10		Nitrogen, ammonia as N	0.03	mg/L	
HCCC-04	WW_103	2008-05-12		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_103	2008-08-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2009-02-09		Nitrogen, ammonia as N	0.39	mg/L	
HCCC-04	WW_103	2009-06-08		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_103	2006-05-08		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-04	WW_103	2008-09-08		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2009-07-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2008-04-14		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_103	2006-09-11		Nitrogen, ammonia as N	0.26	mg/L	
HCCC-04	WW_103	2006-07-10		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_103	2006-06-12		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-04	WW_103	2008-07-14		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_103	2006-11-13		Nitrogen, ammonia as N	0.21	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2009-11-09		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_103	2005-11-14		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_103	2010-07-12		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2010-02-08		Nitrogen, ammonia as N	0.54	mg/L	
HCCC-04	WW_103	2010-05-10		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_103	2007-12-10		Nitrogen, ammonia as N	0.46	mg/L	
HCCC-04	WW_103	2007-06-11		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_103	2010-06-14		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-04	WW_103	2009-12-14		Nitrogen, ammonia as N	0.39	mg/L	
HCCC-04	WW_103	2007-08-13		Nitrogen, ammonia as N	0.33	mg/L	
HCCC-04	WW_103	2007-03-12		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-04	WW_103	2007-11-13		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_103	2007-07-09		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-04	WW_103	2007-01-08		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_103	2006-02-14		Nitrogen, ammonia as N	0.4	mg/L	
HCCC-04	WW_103	2010-09-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_103	2007-09-10		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-04	WW_103	2009-09-14		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_103	2006-03-13		Nitrogen, ammonia as N	0.27	mg/L	
HCCC-04	WW_103	2010-03-08		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_103	2010-04-12		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-04	WW_103	2007-05-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_103	2006-01-09		Nitrogen, ammonia as N	0.37	mg/L	
HCCC-04	WW_103	2005-10-10		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-04	WW_103	2006-12-11		Nitrogen, ammonia as N	0.49	mg/L	
HCCC-04	WW_103	2007-10-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_103	2008-01-14		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2009-10-12		Nitrogen, ammonia as N	0.39	mg/L	
HCCC-04	WW_103	2007-04-09		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_103	2010-08-09		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2012-06-11		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2011-07-11		Nitrogen, ammonia as N	1.61	mg/L	
HCCC-04	WW_104	2012-02-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2010-11-08		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2012-07-16		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-04	WW_104	2011-03-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2011-10-10		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2011-09-12		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_104	2011-08-08		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2011-01-10		Nitrogen, ammonia as N	0.51	mg/L	
HCCC-04	WW_104	2012-04-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2012-03-12		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_104	2012-05-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2011-02-14		Nitrogen, ammonia as N	0.25	mg/L	
HCCC-04	WW_104	2010-12-13		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2011-12-12		Nitrogen, ammonia as N	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2010-10-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2012-01-17		Nitrogen, ammonia as N	0.38	mg/L	
HCCC-04	WW_104	2011-04-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2011-11-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_104	2011-05-09		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-04	WW_104	2011-06-13		Nitrogen, ammonia as N	0.31	mg/L	
HCCC-04	WW_104	2005-06-13		Nitrogen, ammonia as N	0.25	mg/L	
HCCC-04	WW_104	2005-05-09		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_104	2003-04-14		Nitrogen, ammonia as N	0.02	mg/L	
HCCC-04	WW_104	2004-04-12		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-04	WW_104	2005-04-11		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_104	2005-02-14		Nitrogen, ammonia as N	0.24	mg/L	
HCCC-04	WW_104	2001-12-10		Nitrogen, ammonia as N	0.03	mg/L	
HCCC-04	WW_104	2002-08-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_104	2003-05-12		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_104	2004-05-10		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_104	2005-03-14		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2002-01-14		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_104	2004-02-09		Nitrogen, ammonia as N	0.42	mg/L	
HCCC-04	WW_104	2002-04-08		Nitrogen, ammonia as N	0.05	mg/L	
HCCC-04	WW_104	2002-10-14		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2004-01-12		Nitrogen, ammonia as N	0.34	mg/L	
HCCC-04	WW_104	2003-08-11		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_104	2005-07-11		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2002-09-09		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_104	2002-02-11		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-04	WW_104	2002-05-13		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_104	2002-11-12		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_104	2002-03-11		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_104	2004-03-08		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_104	2004-06-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2005-01-10		Nitrogen, ammonia as N	0.23	mg/L	
HCCC-04	WW_104	2004-09-13		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_104	2001-08-13		Nitrogen, ammonia as N	0.085	mg/L	
HCCC-04	WW_104	2001-05-14		Nitrogen, ammonia as N	0.163	mg/L	
HCCC-04	WW_104	2005-09-12		Nitrogen, ammonia as N	0.03	mg/L	
HCCC-04	WW_104	2001-10-08		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_104	2001-06-11		Nitrogen, ammonia as N	0.159	mg/L	
HCCC-04	WW_104	2004-11-08		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_104	2001-04-09		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2001-07-09		Nitrogen, ammonia as N	0.116	mg/L	
HCCC-04	WW_104	2001-11-13		Nitrogen, ammonia as N	0.101	mg/L	
HCCC-04	WW_104	2001-03-12		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_104	2004-08-09		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_104	2005-08-08		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-04	WW_104	2004-07-12		Nitrogen, ammonia as N	0.14	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2001-09-10		Nitrogen, ammonia as N	0.093	mg/L	
HCCC-04	WW_104	2004-10-11		Nitrogen, ammonia as N	0.06	mg/L	
HCCC-04	WW_104	2004-12-13		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2009-03-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2007-03-12		Nitrogen, ammonia as N	0.37	mg/L	
HCCC-04	WW_104	2007-08-13		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_104	2010-04-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2010-05-10		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2008-07-14		Nitrogen, ammonia as N	0.25	mg/L	
HCCC-04	WW_104	2006-06-12		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_104	2007-09-10		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_104	2005-12-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_104	2008-11-10		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_104	2010-08-09		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_104	2008-09-08		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_104	2007-06-11		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2007-04-09		Nitrogen, ammonia as N	0.15	mg/L	
HCCC-04	WW_104	2005-10-10		Nitrogen, ammonia as N	0.16	mg/L	
HCCC-04	WW_104	2008-10-13		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_104	2006-08-14		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_104	2010-09-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2007-05-14		Nitrogen, ammonia as N	0.14	mg/L	
HCCC-04	WW_104	2008-08-11		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_104	2009-01-12		Nitrogen, ammonia as N	0.29	mg/L	
HCCC-04	WW_104	2009-02-09		Nitrogen, ammonia as N	0.39	mg/L	
HCCC-04	WW_104	2008-12-08		Nitrogen, ammonia as N	0.28	mg/L	
HCCC-04	WW_104	2006-07-10		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2007-07-09		Nitrogen, ammonia as N	0.2	mg/L	
HCCC-04	WW_104	2006-09-11		Nitrogen, ammonia as N	0.4	mg/L	
HCCC-04	WW_104	2005-11-14		Nitrogen, ammonia as N	0.02	mg/L	
HCCC-04	WW_104	2009-11-09		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-04	WW_104	2007-12-10		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_104	2008-04-14		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2006-11-13		Nitrogen, ammonia as N	0.04	mg/L	
HCCC-04	WW_104	2009-12-14		Nitrogen, ammonia as N	0.1	mg/L	
HCCC-04	WW_104	2008-05-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCC-04	WW_104	2006-02-14		Nitrogen, ammonia as N	0.92	mg/L	
HCCC-04	WW_104	2009-06-08		Nitrogen, ammonia as N	0.13	mg/L	
HCCC-04	WW_104	2009-08-10		Nitrogen, ammonia as N	0.18	mg/L	
HCCC-04	WW_104	2008-03-10		Nitrogen, ammonia as N	0.3	mg/L	
HCCC-04	WW_104	2009-09-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_104	2008-02-11		Nitrogen, ammonia as N	0.22	mg/L	
HCCC-04	WW_104	2009-10-12		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2006-04-10		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2008-01-14		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_104	2009-07-13		Nitrogen, ammonia as N	0.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2006-03-13		Nitrogen, ammonia as N	0.17	mg/L	
HCCC-04	WW_104	2007-01-08		Nitrogen, ammonia as N	0.08	mg/L	
HCCC-04	WW_104	2009-05-11		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2010-03-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_104	2010-02-08		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2006-01-09		Nitrogen, ammonia as N	0.19	mg/L	
HCCC-04	WW_104	2007-10-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCC-04	WW_104	2006-05-08		Nitrogen, ammonia as N	0.21	mg/L	
HCCC-04	WW_104	2007-11-13		Nitrogen, ammonia as N	0.08	mg/L	
HCCC-04	WW_104	2006-10-09		Nitrogen, ammonia as N	0	mg/L	
HCCC-04	WW_104	2006-12-11		Nitrogen, ammonia as N	0.09	mg/L	
HCCC-04	WW_104	2008-06-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2012-07-16		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-01	WW_32	2011-10-10		Nitrogen, ammonia as N	0.3	mg/L	
HCCD-01	WW_32	2011-03-14		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2010-11-08		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-01	WW_32	2012-03-12		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2011-06-13		Nitrogen, ammonia as N	0.42	mg/L	
HCCD-01	WW_32	2011-08-08		Nitrogen, ammonia as N	0.23	mg/L	
HCCD-01	WW_32	2012-05-14		Nitrogen, ammonia as N	0.34	mg/L	
HCCD-01	WW_32	2011-07-11		Nitrogen, ammonia as N	1.03	mg/L	
HCCD-01	WW_32	2011-09-12		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2012-06-11		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-01	WW_32	2012-04-09		Nitrogen, ammonia as N	0.51	mg/L	
HCCD-01	WW_32	2011-12-12		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-01	WW_32	2012-01-17		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-01	WW_32	2010-10-11		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-01	WW_32	2011-11-14		Nitrogen, ammonia as N	0.16	mg/L	
HCCD-01	WW_32	2011-05-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2011-04-11		Nitrogen, ammonia as N	1.06	mg/L	
HCCD-01	WW_32	2004-07-12		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-01	WW_32	2004-10-11		Nitrogen, ammonia as N	0.06	mg/L	
HCCD-01	WW_32	2005-06-13		Nitrogen, ammonia as N	1.47	mg/L	
HCCD-01	WW_32	2004-08-09		Nitrogen, ammonia as N	0.02	mg/L	
HCCD-01	WW_32	2005-07-11		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-01	WW_32	2005-02-14		Nitrogen, ammonia as N	0.35	mg/L	
HCCD-01	WW_32	2005-09-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-01	WW_32	2005-03-14		Nitrogen, ammonia as N	0.32	mg/L	
HCCD-01	WW_32	2004-09-13		Nitrogen, ammonia as N	0.22	mg/L	
HCCD-01	WW_32	2005-08-08		Nitrogen, ammonia as N	0.36	mg/L	
HCCD-01	WW_32	2004-12-13		Nitrogen, ammonia as N	0.16	mg/L	
HCCD-01	WW_32	2004-11-08		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-01	WW_32	2005-05-09		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2005-04-11		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-01	WW_32	2004-06-14		Nitrogen, ammonia as N	0.18	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2006-10-09		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2007-08-13		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-01	WW_32	2006-06-12		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-01	WW_32	2008-07-14		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2005-12-12		Nitrogen, ammonia as N	0.34	mg/L	
HCCD-01	WW_32	2007-03-12		Nitrogen, ammonia as N	0.28	mg/L	
HCCD-01	WW_32	2009-03-09		Nitrogen, ammonia as N	0.32	mg/L	
HCCD-01	WW_32	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2010-05-10		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2010-06-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-01	WW_32	2008-11-10		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-01	WW_32	2007-04-09		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-01	WW_32	2006-08-14		Nitrogen, ammonia as N	0.06	mg/L	
HCCD-01	WW_32	2005-10-10		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-01	WW_32	2008-10-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2010-09-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2007-05-14		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-01	WW_32	2010-07-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2008-08-11		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2007-07-09		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2010-08-09		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-01	WW_32	2008-09-08		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2007-06-11		Nitrogen, ammonia as N	0.32	mg/L	
HCCD-01	WW_32	2006-07-10		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-01	WW_32	2005-11-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2006-09-11		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-01	WW_32	2007-01-08		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-01	WW_32	2009-07-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2007-11-13		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-01	WW_32	2006-11-13		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-01	WW_32	2008-04-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2009-06-08		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2008-03-10		Nitrogen, ammonia as N	0.23	mg/L	
HCCD-01	WW_32	2009-08-10		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-01	WW_32	2006-04-10		Nitrogen, ammonia as N	0.04	mg/L	
HCCD-01	WW_32	2006-02-14		Nitrogen, ammonia as N	0.04	mg/L	
HCCD-01	WW_32	2009-11-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2009-12-14		Nitrogen, ammonia as N	0.23	mg/L	
HCCD-01	WW_32	2006-05-08		Nitrogen, ammonia as N	0.24	mg/L	
HCCD-01	WW_32	2009-05-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2006-12-11		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-01	WW_32	2006-01-09		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2007-09-10		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2008-06-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2006-03-13		Nitrogen, ammonia as N	0.88	mg/L	
HCCD-01	WW_32	2010-04-12		Nitrogen, ammonia as N	0.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2010-03-08		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2009-10-12		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-01	WW_32	2007-10-08		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-01	WW_32	2008-05-12		Nitrogen, ammonia as N	0.22	mg/L	
HCCD-01	WW_32	2008-01-14		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-01	WW_32	2009-09-14		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-01	WW_32	2002-08-12		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-01	WW_32	2001-12-10		Nitrogen, ammonia as N	0.198	mg/L	
HCCD-01	WW_32	2002-10-14		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-01	WW_32	2003-10-13		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-01	WW_32	2001-09-10		Nitrogen, ammonia as N	0.143	mg/L	
HCCD-01	WW_32	2001-05-14		Nitrogen, ammonia as N	0.243	mg/L	
HCCD-01	WW_32	2002-09-09		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-01	WW_32	2003-09-08		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-01	WW_32	2001-07-09		Nitrogen, ammonia as N	0.349	mg/L	
HCCD-01	WW_32	2004-03-08		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-01	WW_32	2002-05-13		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2003-12-08		Nitrogen, ammonia as N	0.24	mg/L	
HCCD-01	WW_32	2002-03-11		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2001-08-13		Nitrogen, ammonia as N	0.165	mg/L	
HCCD-01	WW_32	2002-04-08		Nitrogen, ammonia as N	0.04	mg/L	
HCCD-01	WW_32	2002-07-08		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-01	WW_32	2001-06-11		Nitrogen, ammonia as N	0.292	mg/L	
HCCD-01	WW_32	2004-04-12		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-01	WW_32	2002-02-11		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-01	WW_32	2003-11-10		Nitrogen, ammonia as N	0.38	mg/L	
HCCD-01	WW_32	2002-06-10		Nitrogen, ammonia as N	0.09	mg/L	
HCCD-01	WW_32	2002-11-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-01	WW_32	2001-04-09		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-01	WW_32	2001-02-13		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-01	WW_32	2001-03-12		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-01	WW_32	2003-05-12		Nitrogen, ammonia as N	0.61	mg/L	
HCCD-01	WW_32	2001-10-08		Nitrogen, ammonia as N	0.051	mg/L	
HCCD-01	WW_32	2003-08-11		Nitrogen, ammonia as N	0.09	mg/L	
HCCD-01	WW_32	2003-04-14		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-01	WW_32	2003-07-14		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-01	WW_32	2001-11-13		Nitrogen, ammonia as N	0.064	mg/L	
HCCD-01	WW_32	2003-06-09		Nitrogen, ammonia as N	0.21	mg/L	
HCCD-01	WW_32	2004-05-10		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Nitrogen, ammonia as N	0.22	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Nitrogen, ammonia as N	0.9	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Nitrogen, ammonia as N	0.27	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Nitrogen, ammonia as N	0.2	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Nitrogen, ammonia as N	0.21	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-05-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2012-04-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2011-01-10		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-09	WW_105	2011-04-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-10-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2011-12-12		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2011-09-12		Nitrogen, ammonia as N	0.21	mg/L	
HCCD-09	WW_105	2011-08-08		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-09	WW_105	2010-12-13		Nitrogen, ammonia as N	0.26	mg/L	
HCCD-09	WW_105	2011-02-14		Nitrogen, ammonia as N	0.21	mg/L	
HCCD-09	WW_105	2012-05-14		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2010-11-08		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2011-10-10		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2011-03-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2012-01-17		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2012-07-16		Nitrogen, ammonia as N	0.16	mg/L	
HCCD-09	WW_105	2012-03-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2012-02-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2011-06-13		Nitrogen, ammonia as N	0.41	mg/L	
HCCD-09	WW_105	2011-11-14		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-09	WW_105	2012-06-11		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-09	WW_105	2011-07-11		Nitrogen, ammonia as N	0.21	mg/L	
HCCD-09	WW_105	2002-08-12		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-09	WW_105	2001-06-11		Nitrogen, ammonia as N	0.136	mg/L	
HCCD-09	WW_105	2005-06-13		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-09	WW_105	2003-11-10		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2002-06-10		Nitrogen, ammonia as N	0.06	mg/L	
HCCD-09	WW_105	2002-05-13		Nitrogen, ammonia as N	0.06	mg/L	
HCCD-09	WW_105	2001-07-09		Nitrogen, ammonia as N	0.225	mg/L	
HCCD-09	WW_105	2005-09-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2003-10-13		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	WW_105	2005-03-14		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-09	WW_105	2002-07-08		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2003-09-08		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2004-09-13		Nitrogen, ammonia as N	0.24	mg/L	
HCCD-09	WW_105	2005-04-11		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-09	WW_105	2003-02-10		Nitrogen, ammonia as N	0.05	mg/L	
HCCD-09	WW_105	2003-03-10		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-09	WW_105	2003-01-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2005-05-09		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2003-05-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2004-12-13		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-09	WW_105	2001-03-12		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2003-06-09		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-09	WW_105	2003-04-14		Nitrogen, ammonia as N	0.03	mg/L	
HCCD-09	WW_105	2002-10-14		Nitrogen, ammonia as N	0.08	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-08-11		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2001-05-14		Nitrogen, ammonia as N	0.148	mg/L	
HCCD-09	WW_105	2002-09-09		Nitrogen, ammonia as N	0.05	mg/L	
HCCD-09	WW_105	2004-10-11		Nitrogen, ammonia as N	0.02	mg/L	
HCCD-09	WW_105	2004-11-08		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2001-04-09		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2002-12-09		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2003-07-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2002-11-12		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-09	WW_105	2005-07-11		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2004-06-14		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-09	WW_105	2004-04-12		Nitrogen, ammonia as N	0.31	mg/L	
HCCD-09	WW_105	2001-09-10		Nitrogen, ammonia as N	0.104	mg/L	
HCCD-09	WW_105	2002-01-14		Nitrogen, ammonia as N	0.05	mg/L	
HCCD-09	WW_105	2004-01-12		Nitrogen, ammonia as N	0.18	mg/L	
HCCD-09	WW_105	2002-03-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2004-02-09		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-09	WW_105	2002-02-11		Nitrogen, ammonia as N	0.04	mg/L	
HCCD-09	WW_105	2001-10-08		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2005-02-14		Nitrogen, ammonia as N	0.38	mg/L	
HCCD-09	WW_105	2004-08-09		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	WW_105	2004-05-10		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-09	WW_105	2005-08-08		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2001-12-10		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2003-12-08		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2005-01-10		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2002-04-08		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2004-07-12		Nitrogen, ammonia as N	0.05	mg/L	
HCCD-09	WW_105	2001-11-13		Nitrogen, ammonia as N	0.115	mg/L	
HCCD-09	WW_105	2001-08-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2004-03-08		Nitrogen, ammonia as N	0.4	mg/L	
HCCD-09	WW_105	2006-12-11		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-09	WW_105	2006-10-09		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-09	WW_105	2007-10-08		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2008-10-13		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2008-03-10		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-09	WW_105	2008-07-14		Nitrogen, ammonia as N	0.3	mg/L	
HCCD-09	WW_105	2007-09-10		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2007-05-14		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2008-02-11		Nitrogen, ammonia as N	0.2	mg/L	
HCCD-09	WW_105	2007-04-09		Nitrogen, ammonia as N	0.03	mg/L	
HCCD-09	WW_105	2007-07-09		Nitrogen, ammonia as N	0.04	mg/L	
HCCD-09	WW_105	2007-08-13		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-09	WW_105	2007-12-10		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2006-09-11		Nitrogen, ammonia as N	0.13	mg/L	
HCCD-09	WW_105	2007-01-08		Nitrogen, ammonia as N	0.11	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2007-11-13		Nitrogen, ammonia as N	0.07	mg/L	
HCCD-09	WW_105	2008-08-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2007-03-12		Nitrogen, ammonia as N	0.44	mg/L	
HCCD-09	WW_105	2008-05-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2008-04-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2007-06-11		Nitrogen, ammonia as N	0.08	mg/L	
HCCD-09	WW_105	2006-11-13		Nitrogen, ammonia as N	0.03	mg/L	
HCCD-09	WW_105	2008-01-14		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-09	WW_105	2008-09-08		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	WW_105	2008-06-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-05-10		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-04-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-04-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-03-08		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2006-05-08		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-09	WW_105	2006-01-09		Nitrogen, ammonia as N	0.28	mg/L	
HCCD-09	WW_105	2009-05-11		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-07-12		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-02-09		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-09	WW_105	2005-12-12		Nitrogen, ammonia as N	0.33	mg/L	
HCCD-09	WW_105	2009-03-09		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-09	WW_105	2010-06-14		Nitrogen, ammonia as N	0.23	mg/L	
HCCD-09	WW_105	2006-06-12		Nitrogen, ammonia as N	0.11	mg/L	
HCCD-09	WW_105	2009-11-09		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-08-10		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-09-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-10-12		Nitrogen, ammonia as N	0.25	mg/L	
HCCD-09	WW_105	2006-03-13		Nitrogen, ammonia as N	0.1	mg/L	
HCCD-09	WW_105	2006-02-14		Nitrogen, ammonia as N	0.12	mg/L	
HCCD-09	WW_105	2010-02-08		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-06-08		Nitrogen, ammonia as N	0.15	mg/L	
HCCD-09	WW_105	2006-04-10		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2009-07-13		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-09	WW_105	2009-12-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-01-11		Nitrogen, ammonia as N	0.14	mg/L	
HCCD-09	WW_105	2006-08-14		Nitrogen, ammonia as N	0.05	mg/L	
HCCD-09	WW_105	2009-01-12		Nitrogen, ammonia as N	0.17	mg/L	
HCCD-09	WW_105	2006-07-10		Nitrogen, ammonia as N	0.03	mg/L	
HCCD-09	WW_105	2010-08-09		Nitrogen, ammonia as N	0.19	mg/L	
HCCD-09	WW_105	2005-11-14		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2010-09-13		Nitrogen, ammonia as N	0	mg/L	
HCCD-09	WW_105	2005-10-10		Nitrogen, ammonia as N	0.3	mg/L	
HCCD-09	WW_105	2008-11-10		Nitrogen, ammonia as N	0.23	mg/L	
HCCD-09	WW_105	2008-12-08		Nitrogen, ammonia as N	0	mg/L	
RHJ	RHJ-1	2011-06-14	9:12	Nitrogen, ammonia as N	0.37	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Nitrogen, ammonia as N	0.13	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-2	2011-07-07	10:35	Nitrogen, ammonia as N	0.1	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Nitrogen, ammonia as N	0.14	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Nitrogen, ammonia as N	0.17	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Nitrogen, ammonia as N	0.51	mg/L	1 ft
HCC-07	HCC-07	2000-01-24	13:15	Nitrogen, Ammonia as NH3	0.05	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Nitrogen, Ammonia as NH3	0.03	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Nitrogen, Ammonia as NH3	0.15	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Nitrogen, Ammonia as NH3	0.3	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Nitrogen, Ammonia as NH3	0.45	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Nitrogen, Ammonia as NH3	0.31	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Nitrogen, Ammonia as NH3	0.23	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Nitrogen, Ammonia as NH3	0.19	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Nitrogen, Ammonia as NH3	0.17	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Nitrogen, Ammonia as NH3	0.06	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Nitrogen, Ammonia as NH3	0.15	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Nitrogen, Ammonia as NH3	0.26	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Nitrogen, Ammonia as NH3	0.12	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Nitrogen, Ammonia as NH3	0.25	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Nitrogen, Ammonia as NH3	0.35	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Nitrogen, Ammonia as NH3	0.15	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Nitrogen, Ammonia as NH3	0.36	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Nitrogen, Ammonia as NH3	0.19	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Nitrogen, Ammonia as NH3	0.09	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Nitrogen, Ammonia as NH3	0.06	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Nitrogen, Ammonia as NH3	0.23	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Nitrogen, Ammonia as NH3	0.09	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Nitrogen, Ammonia as NH3	0.12	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Nitrogen, Ammonia as NH3	1.9	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Nitrogen, Ammonia as NH3	0.15	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Nitrogen, Ammonia as NH3	0.17	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Nitrogen, Ammonia as NH3	0.17	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Nitrogen, Ammonia as NH3	0.06	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Nitrogen, Ammonia as NH3	0.19	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Nitrogen, Ammonia as NH3	0.2	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Nitrogen, Ammonia as NH3	0.15	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Nitrogen, Ammonia as NH3	0.16	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Nitrogen, Ammonia as NH3	0.14	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2001-03-19	10:45	Nitrogen, Ammonia as NH3	0.02	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Nitrogen, Ammonia as NH3	0.08	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Nitrogen, Ammonia as NH3	0.06	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Nitrogen, Ammonia as NH3	0.04	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Nitrogen, Ammonia as NH3	0.14	mg/L	
HCCC-02	HCCC-02	1999-03-05	9:45	Nitrogen, Ammonia as NH3	0.18	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Nitrogen, Ammonia as NH3	0.12	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Nitrogen, Ammonia as NH3	0.19	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Nitrogen, Ammonia as NH3	0.39	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Nitrogen, Ammonia as NH3	0.82	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Nitrogen, Ammonia as NH3	0.21	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Nitrogen, Ammonia as NH3	0.02	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Nitrogen, Ammonia as NH3	0.14	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Nitrogen, Ammonia as NH3	0.31	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Nitrogen, Ammonia as NH3	0.11	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Nitrogen, Ammonia as NH3	0.56	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Nitrogen, Ammonia as NH3	0.18	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Nitrogen, Ammonia as NH3	0.13	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Nitrogen, Ammonia as NH3	0.38	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Nitrogen, Ammonia as NH3	0.25	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Nitrogen, Ammonia as NH3	0.01	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Nitrogen, Ammonia as NH3	0.48	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Nitrogen, Ammonia as NH3	0.01	mg/L	
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Ammonia as NH3	0.04	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Ammonia as NH3	0.04	mg/L	3 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Ammonia as NH3	0.25	mg/L	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Ammonia as NH3	0.08	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Ammonia as NH3	0.01	mg/L	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Ammonia as NH3	0.2	mg/L	4 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Ammonia as NH3	0.03	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Ammonia as NH3	0.1	mg/L	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Ammonia as NH3	0.08	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Ammonia as NH3	0.01	mg/L	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Ammonia as NH3	0.2	mg/L	4 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Ammonia as NH3	0.06	mg/L	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Ammonia as NH3	0.25	mg/L	1.5 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Ammonia as NH3	0.1	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Ammonia as NH3	0.03	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Ammonia as NH3	0.06	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Ammonia as NH3	0.02	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Ammonia as NH3	0.01	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Ammonia as NH3	0.17	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Ammonia as NH3	0.05	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Ammonia as NH3	0.03	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Ammonia as NH3	0.03	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Ammonia as NH3	0.05	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Ammonia as NH3	0.01	mg/L	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Ammonia as NH3	0.17	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Ammonia as NH3	0.15	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Ammonia as NH3	0.17	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Ammonia as NH3	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Ammonia as NH3	0.15	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Ammonia as NH3	0.17	mg/L	1 ft
UHH	UHH-1	2002-05-14		Nitrogen, Kjeldahl	2.95	mg/L	3
UHH	UHH-1	2002-06-18		Nitrogen, Kjeldahl	2.46	mg/L	3
UHH	UHH-1	2002-07-23		Nitrogen, Kjeldahl	1.75	mg/L	3
UHH	UHH-1	2002-08-20		Nitrogen, Kjeldahl	1.81	mg/L	3
UHH	UHH-1	2002-09-17		Nitrogen, Kjeldahl	1.6	mg/L	3
UHH	UHH-2	2002-05-14		Nitrogen, Kjeldahl	0.844	mg/L	3
UHH	UHH-2	2002-06-18		Nitrogen, Kjeldahl	1.26	mg/L	3
UHH	UHH-2	2002-07-23		Nitrogen, Kjeldahl	1.03	mg/L	3
UHH	UHH-2	2002-08-20		Nitrogen, Kjeldahl	0.734	mg/L	3
UHH	UHH-2	2002-09-17		Nitrogen, Kjeldahl	1.24	mg/L	3

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-1	2002-05-14		Nitrogen, Nitrate (NO3) as N	0.208	mg/L	3
UHH	UHH-1	2002-06-18		Nitrogen, Nitrate (NO3) as N	0.089	mg/L	3
UHH	UHH-1	2002-07-23		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-1	2002-08-20		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-1	2002-09-17		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-2	2002-05-14		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-2	2002-06-18		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-2	2002-07-23		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-2	2002-08-20		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
UHH	UHH-2	2002-09-17		Nitrogen, Nitrate (NO3) as N	ND	mg/L	3
HCC-07	HCC-07	2000-01-24	13:15	Nitrogen, Nitrate + Nitrite	8.3	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Nitrogen, Nitrate + Nitrite	6.41	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Nitrogen, Nitrate + Nitrite	3.7	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Nitrogen, Nitrate + Nitrite	6.3	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Nitrogen, Nitrate + Nitrite	6.2	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Nitrogen, Nitrate + Nitrite	1.2	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Nitrogen, Nitrate + Nitrite	6.6	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Nitrogen, Nitrate + Nitrite	6.4	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Nitrogen, Nitrate + Nitrite	3.3	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Nitrogen, Nitrate + Nitrite	5.5	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Nitrogen, Nitrate + Nitrite	4.4	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Nitrogen, Nitrate + Nitrite	1.17	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Nitrogen, Nitrate + Nitrite	4	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Nitrogen, Nitrate + Nitrite	3.4	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Nitrogen, Nitrate + Nitrite	6.09	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Nitrogen, Nitrate + Nitrite	2.1	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Nitrogen, Nitrate + Nitrite	3.2	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Nitrogen, Nitrate + Nitrite	3.2	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Nitrogen, Nitrate + Nitrite	4.9	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Nitrogen, Nitrate + Nitrite	4.1	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Nitrogen, Nitrate + Nitrite	1.84	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Nitrogen, Nitrate + Nitrite	3.8	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Nitrogen, Nitrate + Nitrite	3.2	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Nitrogen, Nitrate + Nitrite	2.8	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Nitrogen, Nitrate + Nitrite	4.4	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Nitrogen, Nitrate + Nitrite	1.36	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Nitrogen, Nitrate + Nitrite	1.15	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Nitrogen, Nitrate + Nitrite	1.83	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Nitrogen, Nitrate + Nitrite	6.8	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Nitrogen, Nitrate + Nitrite	4.61	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Nitrogen, Nitrate + Nitrite	4.96	mg/L	
HCC-07	WW_34	2011-07-11		Nitrogen, Nitrate + Nitrite	6.849	mg/L	
HCC-07	WW_34	2011-04-11		Nitrogen, Nitrate + Nitrite	2.094	mg/L	
HCC-07	WW_34	2011-05-09		Nitrogen, Nitrate + Nitrite	4.112	mg/L	
HCC-07	WW_34	2012-04-09		Nitrogen, Nitrate + Nitrite	2.998	mg/L	
HCC-07	WW_34	2011-12-12		Nitrogen, Nitrate + Nitrite	2.971	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-05-14		Nitrogen, Nitrate + Nitrite	4.303	mg/L	
HCC-07	WW_34	2011-01-10		Nitrogen, Nitrate + Nitrite	9.393	mg/L	
HCC-07	WW_34	2012-06-11		Nitrogen, Nitrate + Nitrite	6.769	mg/L	
HCC-07	WW_34	2011-08-08		Nitrogen, Nitrate + Nitrite	0.77	mg/L	
HCC-07	WW_34	2011-06-13		Nitrogen, Nitrate + Nitrite	1.025	mg/L	
HCC-07	WW_34	2011-03-14		Nitrogen, Nitrate + Nitrite	2.768	mg/L	
HCC-07	WW_34	2012-03-12		Nitrogen, Nitrate + Nitrite	3.896	mg/L	
HCC-07	WW_34	2011-10-10		Nitrogen, Nitrate + Nitrite	5.902	mg/L	
HCC-07	WW_34	2011-11-14		Nitrogen, Nitrate + Nitrite	2.716	mg/L	
HCC-07	WW_34	2011-09-12		Nitrogen, Nitrate + Nitrite	9.65	mg/L	
HCC-07	WW_34	2012-02-14		Nitrogen, Nitrate + Nitrite	3.775	mg/L	
HCC-07	WW_34	2012-01-17		Nitrogen, Nitrate + Nitrite	4.452	mg/L	
HCC-07	WW_34	2012-07-16		Nitrogen, Nitrate + Nitrite	4.134	mg/L	
HCC-07	WW_34	2005-03-14		Nitrogen, Nitrate + Nitrite	3.62	mg/L	
HCC-07	WW_34	2004-09-13		Nitrogen, Nitrate + Nitrite	7.389	mg/L	
HCC-07	WW_34	2005-05-09		Nitrogen, Nitrate + Nitrite	7.373	mg/L	
HCC-07	WW_34	2005-07-11		Nitrogen, Nitrate + Nitrite	5.549	mg/L	
HCC-07	WW_34	2004-06-14		Nitrogen, Nitrate + Nitrite	1.407	mg/L	
HCC-07	WW_34	2005-01-10		Nitrogen, Nitrate + Nitrite	3.807	mg/L	
HCC-07	WW_34	2004-08-09		Nitrogen, Nitrate + Nitrite	3.343	mg/L	
HCC-07	WW_34	2005-09-12		Nitrogen, Nitrate + Nitrite	8.626	mg/L	
HCC-07	WW_34	2004-12-13		Nitrogen, Nitrate + Nitrite	2.583	mg/L	
HCC-07	WW_34	2004-10-11		Nitrogen, Nitrate + Nitrite	3.444	mg/L	
HCC-07	WW_34	2005-06-13		Nitrogen, Nitrate + Nitrite	3.726	mg/L	
HCC-07	WW_34	2004-07-12		Nitrogen, Nitrate + Nitrite	1.358	mg/L	
HCC-07	WW_34	2004-11-08		Nitrogen, Nitrate + Nitrite	2.883	mg/L	
HCC-07	WW_34	2005-08-08		Nitrogen, Nitrate + Nitrite	8.853	mg/L	
HCC-07	WW_34	2005-04-11		Nitrogen, Nitrate + Nitrite	5.106	mg/L	
HCC-07	WW_34	2005-02-14		Nitrogen, Nitrate + Nitrite	1.629	mg/L	
HCC-07	WW_34	2006-03-13		Nitrogen, Nitrate + Nitrite	2.196	mg/L	
HCC-07	WW_34	2006-12-11		Nitrogen, Nitrate + Nitrite	3.253	mg/L	
HCC-07	WW_34	2006-08-14		Nitrogen, Nitrate + Nitrite	7.432	mg/L	
HCC-07	WW_34	2005-10-10		Nitrogen, Nitrate + Nitrite	2.117	mg/L	
HCC-07	WW_34	2006-10-09		Nitrogen, Nitrate + Nitrite	2.586	mg/L	
HCC-07	WW_34	2006-05-08		Nitrogen, Nitrate + Nitrite	4.895	mg/L	
HCC-07	WW_34	2006-06-12		Nitrogen, Nitrate + Nitrite	2.692	mg/L	
HCC-07	WW_34	2006-01-09		Nitrogen, Nitrate + Nitrite	3.489	mg/L	
HCC-07	WW_34	2007-03-12		Nitrogen, Nitrate + Nitrite	1.134	mg/L	
HCC-07	WW_34	2006-02-14		Nitrogen, Nitrate + Nitrite	5.246	mg/L	
HCC-07	WW_34	2006-04-10		Nitrogen, Nitrate + Nitrite	3.754	mg/L	
HCC-07	WW_34	2007-04-09		Nitrogen, Nitrate + Nitrite	3.298	mg/L	
HCC-07	WW_34	2006-09-11		Nitrogen, Nitrate + Nitrite	2.798	mg/L	
HCC-07	WW_34	2006-11-13		Nitrogen, Nitrate + Nitrite	2.005	mg/L	
HCC-07	WW_34	2006-07-10		Nitrogen, Nitrate + Nitrite	4.471	mg/L	
HCC-07	WW_34	2007-01-08		Nitrogen, Nitrate + Nitrite	3.382	mg/L	
HCC-07	WW_34	2005-11-14		Nitrogen, Nitrate + Nitrite	5.244	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2009-08-10		Nitrogen, Nitrate + Nitrite	3.282	mg/L	
HCC-07	WW_34	2008-11-10		Nitrogen, Nitrate + Nitrite	3.735	mg/L	
HCC-07	WW_34	2009-09-14		Nitrogen, Nitrate + Nitrite	7.775	mg/L	
HCC-07	WW_34	2009-07-13		Nitrogen, Nitrate + Nitrite	4.582	mg/L	
HCC-07	WW_34	2007-11-13		Nitrogen, Nitrate + Nitrite	9.846	mg/L	
HCC-07	WW_34	2008-05-12		Nitrogen, Nitrate + Nitrite	2.409	mg/L	
HCC-07	WW_34	2007-09-10		Nitrogen, Nitrate + Nitrite	2.868	mg/L	
HCC-07	WW_34	2009-11-09		Nitrogen, Nitrate + Nitrite	3.729	mg/L	
HCC-07	WW_34	2007-10-08		Nitrogen, Nitrate + Nitrite	5.957	mg/L	
HCC-07	WW_34	2008-04-14		Nitrogen, Nitrate + Nitrite	1.242	mg/L	
HCC-07	WW_34	2008-10-13		Nitrogen, Nitrate + Nitrite	4.357	mg/L	
HCC-07	WW_34	2009-10-12		Nitrogen, Nitrate + Nitrite	2.639	mg/L	
HCC-07	WW_34	2008-01-14		Nitrogen, Nitrate + Nitrite	2.541	mg/L	
HCC-07	WW_34	2009-01-12		Nitrogen, Nitrate + Nitrite	4.613	mg/L	
HCC-07	WW_34	2009-04-13		Nitrogen, Nitrate + Nitrite	3.673	mg/L	
HCC-07	WW_34	2009-03-09		Nitrogen, Nitrate + Nitrite	0.688	mg/L	
HCC-07	WW_34	2009-05-11		Nitrogen, Nitrate + Nitrite	2.707	mg/L	
HCC-07	WW_34	2009-02-09		Nitrogen, Nitrate + Nitrite	1.639	mg/L	
HCC-07	WW_34	2008-03-10		Nitrogen, Nitrate + Nitrite	1.997	mg/L	
HCC-07	WW_34	2009-06-08		Nitrogen, Nitrate + Nitrite	2.171	mg/L	
HCC-07	WW_34	2008-12-08		Nitrogen, Nitrate + Nitrite	4.393	mg/L	
HCC-07	WW_34	2007-12-10		Nitrogen, Nitrate + Nitrite	4.679	mg/L	
HCC-07	WW_34	2008-06-09		Nitrogen, Nitrate + Nitrite	1.116	mg/L	
HCC-07	WW_34	2007-06-11		Nitrogen, Nitrate + Nitrite	3.006	mg/L	
HCC-07	WW_34	2010-07-12		Nitrogen, Nitrate + Nitrite	1.906	mg/L	
HCC-07	WW_34	2007-07-09		Nitrogen, Nitrate + Nitrite	4.075	mg/L	
HCC-07	WW_34	2008-09-08		Nitrogen, Nitrate + Nitrite	1.767	mg/L	
HCC-07	WW_34	2010-05-10		Nitrogen, Nitrate + Nitrite	2.752	mg/L	
HCC-07	WW_34	2010-06-14		Nitrogen, Nitrate + Nitrite	2.615	mg/L	
HCC-07	WW_34	2007-05-14		Nitrogen, Nitrate + Nitrite	3.888	mg/L	
HCC-07	WW_34	2008-07-14		Nitrogen, Nitrate + Nitrite	1.524	mg/L	
HCC-07	WW_34	2008-08-11		Nitrogen, Nitrate + Nitrite	7.903	mg/L	
HCC-07	WW_34	2010-08-09		Nitrogen, Nitrate + Nitrite	2.502	mg/L	
HCC-07	WW_34	2010-02-08		Nitrogen, Nitrate + Nitrite	6.556	mg/L	
HCC-07	WW_34	2010-03-08		Nitrogen, Nitrate + Nitrite	3.43	mg/L	
HCC-07	WW_34	2007-08-13		Nitrogen, Nitrate + Nitrite	1.526	mg/L	
HCC-07	WW_34	2009-12-14		Nitrogen, Nitrate + Nitrite	3.637	mg/L	
HCC-07	WW_34	2010-01-11		Nitrogen, Nitrate + Nitrite	9.542	mg/L	
HCC-07	WW_34	2010-04-12		Nitrogen, Nitrate + Nitrite	2.867	mg/L	
HCC-07	WW_34	2001-03-12		Nitrogen, Nitrate + Nitrite	4.602	mg/L	
HCC-07	WW_34	2003-06-09		Nitrogen, Nitrate + Nitrite	3.759	mg/L	
HCC-07	WW_34	2001-11-13		Nitrogen, Nitrate + Nitrite	4.46	mg/L	
HCC-07	WW_34	2002-02-11		Nitrogen, Nitrate + Nitrite	2.246	mg/L	
HCC-07	WW_34	2002-06-10		Nitrogen, Nitrate + Nitrite	1.617	mg/L	
HCC-07	WW_34	2003-11-10		Nitrogen, Nitrate + Nitrite	2.678	mg/L	
HCC-07	WW_34	2001-10-08		Nitrogen, Nitrate + Nitrite	2.882	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-03-10		Nitrogen, Nitrate + Nitrite	11.239	mg/L	
HCC-07	WW_34	2002-04-08		Nitrogen, Nitrate + Nitrite	4.153	mg/L	
HCC-07	WW_34	2004-01-12		Nitrogen, Nitrate + Nitrite	7.177	mg/L	
HCC-07	WW_34	2001-01-16		Nitrogen, Nitrate + Nitrite	3.9	mg/L	
HCC-07	WW_34	2004-02-09		Nitrogen, Nitrate + Nitrite	7.272	mg/L	
HCC-07	WW_34	2001-08-13		Nitrogen, Nitrate + Nitrite	1.881	mg/L	
HCC-07	WW_34	2002-03-11		Nitrogen, Nitrate + Nitrite	1.351	mg/L	
HCC-07	WW_34	2003-05-12		Nitrogen, Nitrate + Nitrite	1.02	mg/L	
HCC-07	WW_34	2001-07-09		Nitrogen, Nitrate + Nitrite	1.645	mg/L	
HCC-07	WW_34	2003-12-08		Nitrogen, Nitrate + Nitrite	3.241	mg/L	
HCC-07	WW_34	2003-04-14		Nitrogen, Nitrate + Nitrite	2.799	mg/L	
HCC-07	WW_34	2002-05-13		Nitrogen, Nitrate + Nitrite	0.867	mg/L	
HCC-07	WW_34	2001-02-13		Nitrogen, Nitrate + Nitrite	2.083	mg/L	
HCC-07	WW_34	2004-03-08		Nitrogen, Nitrate + Nitrite	1.809	mg/L	
HCC-07	WW_34	2003-09-08		Nitrogen, Nitrate + Nitrite	9.835	mg/L	
HCC-07	WW_34	2002-09-09		Nitrogen, Nitrate + Nitrite	3.292	mg/L	
HCC-07	WW_34	2001-04-09		Nitrogen, Nitrate + Nitrite	2.711	mg/L	
HCC-07	WW_34	2002-10-14		Nitrogen, Nitrate + Nitrite	4.777	mg/L	
HCC-07	WW_34	2001-12-10		Nitrogen, Nitrate + Nitrite	0.031	mg/L	
HCC-07	WW_34	2004-05-10		Nitrogen, Nitrate + Nitrite	7.57	mg/L	
HCC-07	WW_34	2003-08-11		Nitrogen, Nitrate + Nitrite	4.531	mg/L	
HCC-07	WW_34	2002-11-12		Nitrogen, Nitrate + Nitrite	6.734	mg/L	
HCC-07	WW_34	2001-05-14		Nitrogen, Nitrate + Nitrite	1.613	mg/L	
HCC-07	WW_34	2003-01-13		Nitrogen, Nitrate + Nitrite	8.976	mg/L	
HCC-07	WW_34	2002-07-08		Nitrogen, Nitrate + Nitrite	5.539	mg/L	
HCC-07	WW_34	2004-04-12		Nitrogen, Nitrate + Nitrite	4.665	mg/L	
HCC-07	WW_34	2001-06-11		Nitrogen, Nitrate + Nitrite	2.509	mg/L	
HCC-07	WW_34	2003-07-14		Nitrogen, Nitrate + Nitrite	2.389	mg/L	
HCC-07	WW_34	2002-08-12		Nitrogen, Nitrate + Nitrite	8.212	mg/L	
HCC-07	WW_34	2002-12-09		Nitrogen, Nitrate + Nitrite	8.715	mg/L	
HCC-07	WW_34	2001-09-10		Nitrogen, Nitrate + Nitrite	3.46	mg/L	
HCC-07	WW_34	2003-10-13		Nitrogen, Nitrate + Nitrite	5.629	mg/L	
HCC-07	WW_34	2002-01-14		Nitrogen, Nitrate + Nitrite	7.391	mg/L	
HCC-07	WW_96	2014-06-09		Nitrogen, Nitrate + Nitrite	3.325	mg/L	
HCC-07	WW_96	2012-04-09		Nitrogen, Nitrate + Nitrite	6.47	mg/L	
HCC-07	WW_96	2014-04-14		Nitrogen, Nitrate + Nitrite	2.477	mg/L	
HCC-07	WW_96	2010-12-13		Nitrogen, Nitrate + Nitrite	6.132	mg/L	
HCC-07	WW_96	2014-05-12		Nitrogen, Nitrate + Nitrite	1.401	mg/L	
HCC-07	WW_96	2010-11-08		Nitrogen, Nitrate + Nitrite	8.957	mg/L	
HCC-07	WW_96	2011-09-12		Nitrogen, Nitrate + Nitrite	7.746	mg/L	
HCC-07	WW_96	2011-11-14		Nitrogen, Nitrate + Nitrite	2.356	mg/L	
HCC-07	WW_96	2014-11-10		Nitrogen, Nitrate + Nitrite	9.549	mg/L	
HCC-07	WW_96	2014-10-13		Nitrogen, Nitrate + Nitrite	5.097	mg/L	
HCC-07	WW_96	2012-01-17		Nitrogen, Nitrate + Nitrite	3.901	mg/L	
HCC-07	WW_96	2011-12-12		Nitrogen, Nitrate + Nitrite	2.676	mg/L	
HCC-07	WW_96	2014-12-08		Nitrogen, Nitrate + Nitrite	7.548	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2010-10-11		Nitrogen, Nitrate + Nitrite	6.089	mg/L	
HCC-07	WW_96	2011-10-10		Nitrogen, Nitrate + Nitrite	5.58	mg/L	
HCC-07	WW_96	2012-03-12		Nitrogen, Nitrate + Nitrite	4.28	mg/L	
HCC-07	WW_96	2014-08-11		Nitrogen, Nitrate + Nitrite	3.955	mg/L	
HCC-07	WW_96	2014-07-14		Nitrogen, Nitrate + Nitrite	1.745	mg/L	
HCC-07	WW_96	2014-09-15		Nitrogen, Nitrate + Nitrite	2.657	mg/L	
HCC-07	WW_96	2012-02-14		Nitrogen, Nitrate + Nitrite	3.467	mg/L	
HCC-07	WW_96	2012-09-10		Nitrogen, Nitrate + Nitrite	2.485	mg/L	
HCC-07	WW_96	2013-05-13		Nitrogen, Nitrate + Nitrite	5.235	mg/L	
HCC-07	WW_96	2013-04-08		Nitrogen, Nitrate + Nitrite	4.258	mg/L	
HCC-07	WW_96	2013-06-10		Nitrogen, Nitrate + Nitrite	2.839	mg/L	
HCC-07	WW_96	2011-03-14		Nitrogen, Nitrate + Nitrite	2.229	mg/L	
HCC-07	WW_96	2012-08-13		Nitrogen, Nitrate + Nitrite	1.09	mg/L	
HCC-07	WW_96	2013-01-14		Nitrogen, Nitrate + Nitrite	2.621	mg/L	
HCC-07	WW_96	2012-11-13		Nitrogen, Nitrate + Nitrite	5.505	mg/L	
HCC-07	WW_96	2012-12-10		Nitrogen, Nitrate + Nitrite	5.889	mg/L	
HCC-07	WW_96	2011-04-11		Nitrogen, Nitrate + Nitrite	1.518	mg/L	
HCC-07	WW_96	2013-03-11		Nitrogen, Nitrate + Nitrite	1.26	mg/L	
HCC-07	WW_96	2012-10-08		Nitrogen, Nitrate + Nitrite	6.262	mg/L	
HCC-07	WW_96	2013-02-11		Nitrogen, Nitrate + Nitrite	1.613	mg/L	
HCC-07	WW_96	2011-05-09		Nitrogen, Nitrate + Nitrite	4.87	mg/L	
HCC-07	WW_96	2013-12-09		Nitrogen, Nitrate + Nitrite	6.9	mg/L	
HCC-07	WW_96	2011-08-08		Nitrogen, Nitrate + Nitrite	1.192	mg/L	
HCC-07	WW_96	2014-03-10		Nitrogen, Nitrate + Nitrite	4.146	mg/L	
HCC-07	WW_96	2014-01-13		Nitrogen, Nitrate + Nitrite	1.937	mg/L	
HCC-07	WW_96	2012-05-14		Nitrogen, Nitrate + Nitrite	4.022	mg/L	
HCC-07	WW_96	2011-01-10		Nitrogen, Nitrate + Nitrite	9.125	mg/L	
HCC-07	WW_96	2013-08-12		Nitrogen, Nitrate + Nitrite	3.659	mg/L	
HCC-07	WW_96	2012-07-16		Nitrogen, Nitrate + Nitrite	4.269	mg/L	
HCC-07	WW_96	2013-07-15		Nitrogen, Nitrate + Nitrite	3.801	mg/L	
HCC-07	WW_96	2011-06-13		Nitrogen, Nitrate + Nitrite	1.018	mg/L	
HCC-07	WW_96	2013-09-16		Nitrogen, Nitrate + Nitrite	1.785	mg/L	
HCC-07	WW_96	2011-07-11		Nitrogen, Nitrate + Nitrite	7.855	mg/L	
HCC-07	WW_96	2012-06-11		Nitrogen, Nitrate + Nitrite	5.187	mg/L	
HCC-07	WW_96	2013-11-12		Nitrogen, Nitrate + Nitrite	3.128	mg/L	
HCC-07	WW_96	2013-10-14		Nitrogen, Nitrate + Nitrite	4.893	mg/L	
HCC-07	WW_96	2004-11-08		Nitrogen, Nitrate + Nitrite	9.84	mg/L	
HCC-07	WW_96	2005-05-09		Nitrogen, Nitrate + Nitrite	6.944	mg/L	
HCC-07	WW_96	2005-04-11		Nitrogen, Nitrate + Nitrite	5.149	mg/L	
HCC-07	WW_96	2004-12-13		Nitrogen, Nitrate + Nitrite	2.202	mg/L	
HCC-07	WW_96	2005-02-14		Nitrogen, Nitrate + Nitrite	1.789	mg/L	
HCC-07	WW_96	2004-08-09		Nitrogen, Nitrate + Nitrite	3.384	mg/L	
HCC-07	WW_96	2005-01-10		Nitrogen, Nitrate + Nitrite	3.995	mg/L	
HCC-07	WW_96	2005-08-08		Nitrogen, Nitrate + Nitrite	6.133	mg/L	
HCC-07	WW_96	2004-06-14		Nitrogen, Nitrate + Nitrite	1.464	mg/L	
HCC-07	WW_96	2004-07-12		Nitrogen, Nitrate + Nitrite	1.22	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-10-11		Nitrogen, Nitrate + Nitrite	5.116	mg/L	
HCC-07	WW_96	2005-06-13		Nitrogen, Nitrate + Nitrite	2.974	mg/L	
HCC-07	WW_96	2005-07-11		Nitrogen, Nitrate + Nitrite	5.594	mg/L	
HCC-07	WW_96	2005-03-14		Nitrogen, Nitrate + Nitrite	3.674	mg/L	
HCC-07	WW_96	2004-09-13		Nitrogen, Nitrate + Nitrite	6.581	mg/L	
HCC-07	WW_96	2005-09-12		Nitrogen, Nitrate + Nitrite	7.968	mg/L	
HCC-07	WW_96	2010-09-13		Nitrogen, Nitrate + Nitrite	5.265	mg/L	
HCC-07	WW_96	2010-05-10		Nitrogen, Nitrate + Nitrite	2.64	mg/L	
HCC-07	WW_96	2008-10-13		Nitrogen, Nitrate + Nitrite	4.275	mg/L	
HCC-07	WW_96	2006-08-14		Nitrogen, Nitrate + Nitrite	6.247	mg/L	
HCC-07	WW_96	2005-10-10		Nitrogen, Nitrate + Nitrite	1.678	mg/L	
HCC-07	WW_96	2007-03-12		Nitrogen, Nitrate + Nitrite	1.109	mg/L	
HCC-07	WW_96	2010-03-08		Nitrogen, Nitrate + Nitrite	3.544	mg/L	
HCC-07	WW_96	2010-04-12		Nitrogen, Nitrate + Nitrite	2.297	mg/L	
HCC-07	WW_96	2006-01-09		Nitrogen, Nitrate + Nitrite	3.116	mg/L	
HCC-07	WW_96	2008-07-14		Nitrogen, Nitrate + Nitrite	1.861	mg/L	
HCC-07	WW_96	2007-06-11		Nitrogen, Nitrate + Nitrite	3.801	mg/L	
HCC-07	WW_96	2010-08-09		Nitrogen, Nitrate + Nitrite	2.595	mg/L	
HCC-07	WW_96	2010-07-12		Nitrogen, Nitrate + Nitrite	2.047	mg/L	
HCC-07	WW_96	2006-09-11		Nitrogen, Nitrate + Nitrite	3.446	mg/L	
HCC-07	WW_96	2008-06-09		Nitrogen, Nitrate + Nitrite	1.048	mg/L	
HCC-07	WW_96	2005-11-14		Nitrogen, Nitrate + Nitrite	5.178	mg/L	
HCC-07	WW_96	2008-08-11		Nitrogen, Nitrate + Nitrite	6.547	mg/L	
HCC-07	WW_96	2007-04-09		Nitrogen, Nitrate + Nitrite	3.123	mg/L	
HCC-07	WW_96	2006-10-09		Nitrogen, Nitrate + Nitrite	2.228	mg/L	
HCC-07	WW_96	2007-07-09		Nitrogen, Nitrate + Nitrite	3.534	mg/L	
HCC-07	WW_96	2007-05-14		Nitrogen, Nitrate + Nitrite	4.568	mg/L	
HCC-07	WW_96	2008-05-12		Nitrogen, Nitrate + Nitrite	1.86	mg/L	
HCC-07	WW_96	2008-09-08		Nitrogen, Nitrate + Nitrite	1.33	mg/L	
HCC-07	WW_96	2010-06-14		Nitrogen, Nitrate + Nitrite	3.093	mg/L	
HCC-07	WW_96	2006-04-10		Nitrogen, Nitrate + Nitrite	3.524	mg/L	
HCC-07	WW_96	2009-03-09		Nitrogen, Nitrate + Nitrite	0.741	mg/L	
HCC-07	WW_96	2007-11-13		Nitrogen, Nitrate + Nitrite	9.997	mg/L	
HCC-07	WW_96	2006-06-12		Nitrogen, Nitrate + Nitrite	2.719	mg/L	
HCC-07	WW_96	2009-07-13		Nitrogen, Nitrate + Nitrite	6.198	mg/L	
HCC-07	WW_96	2008-02-11		Nitrogen, Nitrate + Nitrite	2.862	mg/L	
HCC-07	WW_96	2009-02-09		Nitrogen, Nitrate + Nitrite	1.48	mg/L	
HCC-07	WW_96	2007-01-08		Nitrogen, Nitrate + Nitrite	2.609	mg/L	
HCC-07	WW_96	2009-08-10		Nitrogen, Nitrate + Nitrite	5.092	mg/L	
HCC-07	WW_96	2006-05-08		Nitrogen, Nitrate + Nitrite	4.999	mg/L	
HCC-07	WW_96	2008-01-14		Nitrogen, Nitrate + Nitrite	2.254	mg/L	
HCC-07	WW_96	2009-05-11		Nitrogen, Nitrate + Nitrite	2.433	mg/L	
HCC-07	WW_96	2006-12-11		Nitrogen, Nitrate + Nitrite	3.592	mg/L	
HCC-07	WW_96	2009-04-13		Nitrogen, Nitrate + Nitrite	3.805	mg/L	
HCC-07	WW_96	2007-12-10		Nitrogen, Nitrate + Nitrite	5.513	mg/L	
HCC-07	WW_96	2009-06-08		Nitrogen, Nitrate + Nitrite	4.525	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2006-02-14		Nitrogen, Nitrate + Nitrite	5.344	mg/L	
HCC-07	WW_96	2008-12-08		Nitrogen, Nitrate + Nitrite	4.637	mg/L	
HCC-07	WW_96	2009-12-14		Nitrogen, Nitrate + Nitrite	2.944	mg/L	
HCC-07	WW_96	2010-02-08		Nitrogen, Nitrate + Nitrite	6.816	mg/L	
HCC-07	WW_96	2008-11-10		Nitrogen, Nitrate + Nitrite	3.975	mg/L	
HCC-07	WW_96	2006-11-13		Nitrogen, Nitrate + Nitrite	2.538	mg/L	
HCC-07	WW_96	2008-04-14		Nitrogen, Nitrate + Nitrite	1.232	mg/L	
HCC-07	WW_96	2006-03-13		Nitrogen, Nitrate + Nitrite	2.597	mg/L	
HCC-07	WW_96	2009-09-14		Nitrogen, Nitrate + Nitrite	4.851	mg/L	
HCC-07	WW_96	2007-08-13		Nitrogen, Nitrate + Nitrite	1.537	mg/L	
HCC-07	WW_96	2009-10-12		Nitrogen, Nitrate + Nitrite	2.864	mg/L	
HCC-07	WW_96	2007-10-08		Nitrogen, Nitrate + Nitrite	5.809	mg/L	
HCC-07	WW_96	2008-03-10		Nitrogen, Nitrate + Nitrite	2.175	mg/L	
HCC-07	WW_96	2006-07-10		Nitrogen, Nitrate + Nitrite	5.648	mg/L	
HCC-07	WW_96	2007-09-10		Nitrogen, Nitrate + Nitrite	3.199	mg/L	
HCC-07	WW_96	2009-11-09		Nitrogen, Nitrate + Nitrite	3.788	mg/L	
HCC-07	WW_96	2009-01-12		Nitrogen, Nitrate + Nitrite	4.426	mg/L	
HCC-07	WW_96	2002-09-09		Nitrogen, Nitrate + Nitrite	3.275	mg/L	
HCC-07	WW_96	2003-09-08		Nitrogen, Nitrate + Nitrite	8.577	mg/L	
HCC-07	WW_96	2001-01-16		Nitrogen, Nitrate + Nitrite	3.128	mg/L	
HCC-07	WW_96	2001-05-14		Nitrogen, Nitrate + Nitrite	1.352	mg/L	
HCC-07	WW_96	2002-10-14		Nitrogen, Nitrate + Nitrite	4.831	mg/L	
HCC-07	WW_96	2001-02-13		Nitrogen, Nitrate + Nitrite	4.303	mg/L	
HCC-07	WW_96	2003-05-12		Nitrogen, Nitrate + Nitrite	1.009	mg/L	
HCC-07	WW_96	2002-12-09		Nitrogen, Nitrate + Nitrite	8.986	mg/L	
HCC-07	WW_96	2003-07-14		Nitrogen, Nitrate + Nitrite	1.958	mg/L	
HCC-07	WW_96	2003-01-13		Nitrogen, Nitrate + Nitrite	9.754	mg/L	
HCC-07	WW_96	2003-04-14		Nitrogen, Nitrate + Nitrite	2.461	mg/L	
HCC-07	WW_96	2001-04-09		Nitrogen, Nitrate + Nitrite	2.395	mg/L	
HCC-07	WW_96	2003-08-11		Nitrogen, Nitrate + Nitrite	4.754	mg/L	
HCC-07	WW_96	2002-11-12		Nitrogen, Nitrate + Nitrite	5.975	mg/L	
HCC-07	WW_96	2001-03-12		Nitrogen, Nitrate + Nitrite	4.875	mg/L	
HCC-07	WW_96	2003-06-09		Nitrogen, Nitrate + Nitrite	4.001	mg/L	
HCC-07	WW_96	2002-02-11		Nitrogen, Nitrate + Nitrite	2.639	mg/L	
HCC-07	WW_96	2004-04-12		Nitrogen, Nitrate + Nitrite	4.365	mg/L	
HCC-07	WW_96	2001-09-10		Nitrogen, Nitrate + Nitrite	2.433	mg/L	
HCC-07	WW_96	2004-03-08		Nitrogen, Nitrate + Nitrite	1.816	mg/L	
HCC-07	WW_96	2002-03-11		Nitrogen, Nitrate + Nitrite	1.157	mg/L	
HCC-07	WW_96	2001-08-13		Nitrogen, Nitrate + Nitrite	1.324	mg/L	
HCC-07	WW_96	2001-11-13		Nitrogen, Nitrate + Nitrite	3.704	mg/L	
HCC-07	WW_96	2001-10-08		Nitrogen, Nitrate + Nitrite	3.578	mg/L	
HCC-07	WW_96	2002-01-14		Nitrogen, Nitrate + Nitrite	7.908	mg/L	
HCC-07	WW_96	2004-05-10		Nitrogen, Nitrate + Nitrite	9.031	mg/L	
HCC-07	WW_96	2001-12-10		Nitrogen, Nitrate + Nitrite	5.247	mg/L	
HCC-07	WW_96	2002-07-08		Nitrogen, Nitrate + Nitrite	3.646	mg/L	
HCC-07	WW_96	2001-06-11		Nitrogen, Nitrate + Nitrite	2.218	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2003-11-10		Nitrogen, Nitrate + Nitrite	2.016	mg/L	
HCC-07	WW_96	2003-10-13		Nitrogen, Nitrate + Nitrite	4.458	mg/L	
HCC-07	WW_96	2002-08-12		Nitrogen, Nitrate + Nitrite	7.082	mg/L	
HCC-07	WW_96	2001-07-09		Nitrogen, Nitrate + Nitrite	2.095	mg/L	
HCC-07	WW_96	2004-01-12		Nitrogen, Nitrate + Nitrite	7.203	mg/L	
HCC-07	WW_96	2002-04-08		Nitrogen, Nitrate + Nitrite	2.785	mg/L	
HCC-07	WW_96	2002-06-10		Nitrogen, Nitrate + Nitrite	1.703	mg/L	
HCC-07	WW_96	2002-05-13		Nitrogen, Nitrate + Nitrite	0.925	mg/L	
HCC-07	WW_96	2003-12-08		Nitrogen, Nitrate + Nitrite	3.453	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Nitrogen, Nitrate + Nitrite	7.7	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Nitrogen, Nitrate + Nitrite	15	mg/L	
HCCB-05	WW_106	2010-11-08		Nitrogen, Nitrate + Nitrite	20.782	mg/L	
HCCB-05	WW_106	2012-02-14		Nitrogen, Nitrate + Nitrite	9.013	mg/L	
HCCB-05	WW_106	2010-10-11		Nitrogen, Nitrate + Nitrite	16.696	mg/L	
HCCB-05	WW_106	2011-12-12		Nitrogen, Nitrate + Nitrite	12.19	mg/L	
HCCB-05	WW_106	2011-11-14		Nitrogen, Nitrate + Nitrite	6.244	mg/L	
HCCB-05	WW_106	2012-01-17		Nitrogen, Nitrate + Nitrite	4.517	mg/L	
HCCB-05	WW_106	2012-03-12		Nitrogen, Nitrate + Nitrite	2.251	mg/L	
HCCB-05	WW_106	2010-12-13		Nitrogen, Nitrate + Nitrite	4.824	mg/L	
HCCB-05	WW_106	2011-07-11		Nitrogen, Nitrate + Nitrite	15.981	mg/L	
HCCB-05	WW_106	2011-03-14		Nitrogen, Nitrate + Nitrite	4.615	mg/L	
HCCB-05	WW_106	2012-07-16		Nitrogen, Nitrate + Nitrite	7.514	mg/L	
HCCB-05	WW_106	2011-04-11		Nitrogen, Nitrate + Nitrite	2.663	mg/L	
HCCB-05	WW_106	2011-05-09		Nitrogen, Nitrate + Nitrite	10.53	mg/L	
HCCB-05	WW_106	2011-06-13		Nitrogen, Nitrate + Nitrite	5.046	mg/L	
HCCB-05	WW_106	2012-05-14		Nitrogen, Nitrate + Nitrite	7.514	mg/L	
HCCB-05	WW_106	2011-01-10		Nitrogen, Nitrate + Nitrite	15.788	mg/L	
HCCB-05	WW_106	2011-02-14		Nitrogen, Nitrate + Nitrite	7.434	mg/L	
HCCB-05	WW_106	2011-08-08		Nitrogen, Nitrate + Nitrite	0.874	mg/L	
HCCB-05	WW_106	2001-05-14		Nitrogen, Nitrate + Nitrite	3.962	mg/L	
HCCB-05	WW_106	2005-08-08		Nitrogen, Nitrate + Nitrite	15.615	mg/L	
HCCB-05	WW_106	2001-03-12		Nitrogen, Nitrate + Nitrite	7.179	mg/L	
HCCB-05	WW_106	2003-05-12		Nitrogen, Nitrate + Nitrite	1.482	mg/L	
HCCB-05	WW_106	2004-05-10		Nitrogen, Nitrate + Nitrite	14.484	mg/L	
HCCB-05	WW_106	2002-02-11		Nitrogen, Nitrate + Nitrite	2.262	mg/L	
HCCB-05	WW_106	2004-11-08		Nitrogen, Nitrate + Nitrite	12.121	mg/L	
HCCB-05	WW_106	2004-06-14		Nitrogen, Nitrate + Nitrite	4.536	mg/L	
HCCB-05	WW_106	2005-02-14		Nitrogen, Nitrate + Nitrite	1.468	mg/L	
HCCB-05	WW_106	2001-04-09		Nitrogen, Nitrate + Nitrite	2.798	mg/L	
HCCB-05	WW_106	2004-03-08		Nitrogen, Nitrate + Nitrite	2.916	mg/L	
HCCB-05	WW_106	2003-07-14		Nitrogen, Nitrate + Nitrite	1.065	mg/L	
HCCB-05	WW_106	2004-04-12		Nitrogen, Nitrate + Nitrite	13.813	mg/L	
HCCB-05	WW_106	2004-02-09		Nitrogen, Nitrate + Nitrite	11.939	mg/L	
HCCB-05	WW_106	2001-09-10		Nitrogen, Nitrate + Nitrite	4.799	mg/L	
HCCB-05	WW_106	2002-06-10		Nitrogen, Nitrate + Nitrite	0.89	mg/L	
HCCB-05	WW_106	2002-08-12		Nitrogen, Nitrate + Nitrite	13.923	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2003-10-13		Nitrogen, Nitrate + Nitrite	13.265	mg/L	
HCCB-05	WW_106	2001-06-11		Nitrogen, Nitrate + Nitrite	6.973	mg/L	
HCCB-05	WW_106	2005-03-14		Nitrogen, Nitrate + Nitrite	6.206	mg/L	
HCCB-05	WW_106	2004-10-11		Nitrogen, Nitrate + Nitrite	8.182	mg/L	
HCCB-05	WW_106	2002-03-11		Nitrogen, Nitrate + Nitrite	2.545	mg/L	
HCCB-05	WW_106	2004-01-12		Nitrogen, Nitrate + Nitrite	11.595	mg/L	
HCCB-05	WW_106	2002-05-13		Nitrogen, Nitrate + Nitrite	1.467	mg/L	
HCCB-05	WW_106	2002-04-08		Nitrogen, Nitrate + Nitrite	2.939	mg/L	
HCCB-05	WW_106	2008-03-10		Nitrogen, Nitrate + Nitrite	2.952	mg/L	
HCCB-05	WW_106	2010-03-08		Nitrogen, Nitrate + Nitrite	3.481	mg/L	
HCCB-05	WW_106	2009-11-09		Nitrogen, Nitrate + Nitrite	13.105	mg/L	
HCCB-05	WW_106	2008-05-12		Nitrogen, Nitrate + Nitrite	2.42	mg/L	
HCCB-05	WW_106	2006-01-09		Nitrogen, Nitrate + Nitrite	6.944	mg/L	
HCCB-05	WW_106	2009-05-11		Nitrogen, Nitrate + Nitrite	6.635	mg/L	
HCCB-05	WW_106	2010-04-12		Nitrogen, Nitrate + Nitrite	5.551	mg/L	
HCCB-05	WW_106	2008-10-13		Nitrogen, Nitrate + Nitrite	10.748	mg/L	
HCCB-05	WW_106	2010-08-09		Nitrogen, Nitrate + Nitrite	1.566	mg/L	
HCCB-05	WW_106	2008-09-08		Nitrogen, Nitrate + Nitrite	3.71	mg/L	
HCCB-05	WW_106	2007-01-08		Nitrogen, Nitrate + Nitrite	3.867	mg/L	
HCCB-05	WW_106	2008-04-14		Nitrogen, Nitrate + Nitrite	1.957	mg/L	
HCCB-05	WW_106	2009-08-10		Nitrogen, Nitrate + Nitrite	11.871	mg/L	
HCCB-05	WW_106	2010-09-13		Nitrogen, Nitrate + Nitrite	10.569	mg/L	
HCCB-05	WW_106	2009-12-14		Nitrogen, Nitrate + Nitrite	4.379	mg/L	
HCCB-05	WW_106	2008-11-10		Nitrogen, Nitrate + Nitrite	13.302	mg/L	
HCCB-05	WW_106	2009-06-08		Nitrogen, Nitrate + Nitrite	2.167	mg/L	
HCCB-05	WW_106	2007-12-10		Nitrogen, Nitrate + Nitrite	10.33	mg/L	
HCCB-05	WW_106	2010-02-08		Nitrogen, Nitrate + Nitrite	9.316	mg/L	
HCCB-05	WW_106	2009-10-12		Nitrogen, Nitrate + Nitrite	8.602	mg/L	
HCCB-05	WW_106	2009-03-09		Nitrogen, Nitrate + Nitrite	1.09	mg/L	
HCCB-05	WW_106	2009-01-12		Nitrogen, Nitrate + Nitrite	7.443	mg/L	
HCCB-05	WW_106	2007-08-13		Nitrogen, Nitrate + Nitrite	3.105	mg/L	
HCCB-05	WW_106	2008-01-14		Nitrogen, Nitrate + Nitrite	4.656	mg/L	
HCCB-05	WW_106	2008-07-14		Nitrogen, Nitrate + Nitrite	0.193	mg/L	
HCCB-05	WW_106	2009-02-09		Nitrogen, Nitrate + Nitrite	2.205	mg/L	
HCCB-05	WW_106	2006-03-13		Nitrogen, Nitrate + Nitrite	1.627	mg/L	
HCCB-05	WW_106	2010-07-12		Nitrogen, Nitrate + Nitrite	5.287	mg/L	
HCCB-05	WW_106	2008-08-11		Nitrogen, Nitrate + Nitrite	15.037	mg/L	
HCCB-05	WW_106	2006-12-11		Nitrogen, Nitrate + Nitrite	3.536	mg/L	
HCCB-05	WW_106	2010-05-10		Nitrogen, Nitrate + Nitrite	7.525	mg/L	
HCCB-05	WW_106	2006-09-11		Nitrogen, Nitrate + Nitrite	1.769	mg/L	
HCCB-05	WW_106	2008-12-08		Nitrogen, Nitrate + Nitrite	8.818	mg/L	
HCCB-05	WW_106	2008-06-09		Nitrogen, Nitrate + Nitrite	1.108	mg/L	
HCCB-05	WW_106	2009-04-13		Nitrogen, Nitrate + Nitrite	0.925	mg/L	
HCCB-05	WW_106	2007-03-12		Nitrogen, Nitrate + Nitrite	1.219	mg/L	
HCCB-05	WW_106	2005-11-14		Nitrogen, Nitrate + Nitrite	5.274	mg/L	
HCCB-05	WW_106	2006-10-09		Nitrogen, Nitrate + Nitrite	4.504	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-09-14		Nitrogen, Nitrate + Nitrite	16.143	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Nitrogen, Nitrate + Nitrite	0.08	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Nitrogen, Nitrate + Nitrite	0.9	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Nitrogen, Nitrate + Nitrite	0.37	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Nitrogen, Nitrate + Nitrite	0.22	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Nitrogen, Nitrate + Nitrite	0.23	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Nitrogen, Nitrate + Nitrite	0.21	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Nitrogen, Nitrate + Nitrite	0.43	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Nitrogen, Nitrate + Nitrite	0.29	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Nitrogen, Nitrate + Nitrite	0.27	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Nitrogen, Nitrate + Nitrite	0.26	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Nitrogen, Nitrate + Nitrite	0.28	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Nitrogen, Nitrate + Nitrite	0.6	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Nitrogen, Nitrate + Nitrite	0.04	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Nitrogen, Nitrate + Nitrite	0.2	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Nitrogen, Nitrate + Nitrite	0.07	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Nitrogen, Nitrate + Nitrite	0.36	mg/L	
HCCC-02	HCCC-02	1999-03-05	9:45	Nitrogen, Nitrate + Nitrite	0.36	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Nitrogen, Nitrate + Nitrite	0.01	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Nitrogen, Nitrate + Nitrite	0.39	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Nitrogen, Nitrate + Nitrite	0.59	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Nitrogen, Nitrate + Nitrite	0.27	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Nitrogen, Nitrate + Nitrite	0.26	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Nitrogen, Nitrate + Nitrite	0.33	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Nitrogen, Nitrate + Nitrite	0.01	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Nitrogen, Nitrate + Nitrite	0.2	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Nitrogen, Nitrate + Nitrite	0.28	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Nitrogen, Nitrate + Nitrite	0.53	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Nitrogen, Nitrate + Nitrite	0.87	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Nitrogen, Nitrate + Nitrite	0.22	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Nitrogen, Nitrate + Nitrite	0.52	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Nitrogen, Nitrate + Nitrite	0.42	mg/L	
HCCC-02	WW_31	2010-10-11		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2011-05-09		Nitrogen, Nitrate + Nitrite	0.052	mg/L	
HCCC-02	WW_31	2011-03-14		Nitrogen, Nitrate + Nitrite	0.444	mg/L	
HCCC-02	WW_31	2011-08-08		Nitrogen, Nitrate + Nitrite	0.307	mg/L	
HCCC-02	WW_31	2011-07-11		Nitrogen, Nitrate + Nitrite	0.325	mg/L	
HCCC-02	WW_31	2011-10-10		Nitrogen, Nitrate + Nitrite	0.057	mg/L	
HCCC-02	WW_31	2011-11-14		Nitrogen, Nitrate + Nitrite	0.206	mg/L	
HCCC-02	WW_31	2011-04-11		Nitrogen, Nitrate + Nitrite	0.11	mg/L	
HCCC-02	WW_31	2010-11-08		Nitrogen, Nitrate + Nitrite	0.052	mg/L	
HCCC-02	WW_31	2011-06-13		Nitrogen, Nitrate + Nitrite	0.228	mg/L	
HCCC-02	WW_31	2012-04-09		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2012-03-12		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2011-12-12		Nitrogen, Nitrate + Nitrite	0.207	mg/L	
HCCC-02	WW_31	2012-05-14		Nitrogen, Nitrate + Nitrite	0.23	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2012-07-16		Nitrogen, Nitrate + Nitrite	0.388	mg/L	
HCCC-02	WW_31	2005-07-11		Nitrogen, Nitrate + Nitrite	0.268	mg/L	
HCCC-02	WW_31	2005-08-08		Nitrogen, Nitrate + Nitrite	0.228	mg/L	
HCCC-02	WW_31	2005-09-12		Nitrogen, Nitrate + Nitrite	0.346	mg/L	
HCCC-02	WW_31	2005-06-13		Nitrogen, Nitrate + Nitrite	0.017	mg/L	
HCCC-02	WW_31	2005-05-09		Nitrogen, Nitrate + Nitrite	0.06	mg/L	
HCCC-02	WW_31	2005-03-14		Nitrogen, Nitrate + Nitrite	0.248	mg/L	
HCCC-02	WW_31	2004-09-13		Nitrogen, Nitrate + Nitrite	0.165	mg/L	
HCCC-02	WW_31	2004-10-11		Nitrogen, Nitrate + Nitrite	0.112	mg/L	
HCCC-02	WW_31	2004-12-13		Nitrogen, Nitrate + Nitrite	0.509	mg/L	
HCCC-02	WW_31	2005-02-14		Nitrogen, Nitrate + Nitrite	0.814	mg/L	
HCCC-02	WW_31	2005-04-11		Nitrogen, Nitrate + Nitrite	0.035	mg/L	
HCCC-02	WW_31	2004-07-12		Nitrogen, Nitrate + Nitrite	0.261	mg/L	
HCCC-02	WW_31	2004-11-08		Nitrogen, Nitrate + Nitrite	0.264	mg/L	
HCCC-02	WW_31	2004-06-14		Nitrogen, Nitrate + Nitrite	0.443	mg/L	
HCCC-02	WW_31	2004-08-09		Nitrogen, Nitrate + Nitrite	0.228	mg/L	
HCCC-02	WW_31	2006-03-13		Nitrogen, Nitrate + Nitrite	0.762	mg/L	
HCCC-02	WW_31	2009-11-09		Nitrogen, Nitrate + Nitrite	0.196	mg/L	
HCCC-02	WW_31	2009-10-12		Nitrogen, Nitrate + Nitrite	0.132	mg/L	
HCCC-02	WW_31	2007-05-14		Nitrogen, Nitrate + Nitrite	0.136	mg/L	
HCCC-02	WW_31	2008-01-14		Nitrogen, Nitrate + Nitrite	0.679	mg/L	
HCCC-02	WW_31	2005-10-10		Nitrogen, Nitrate + Nitrite	0.342	mg/L	
HCCC-02	WW_31	2010-05-10		Nitrogen, Nitrate + Nitrite	0.115	mg/L	
HCCC-02	WW_31	2007-03-12		Nitrogen, Nitrate + Nitrite	0.523	mg/L	
HCCC-02	WW_31	2007-09-10		Nitrogen, Nitrate + Nitrite	0.239	mg/L	
HCCC-02	WW_31	2010-04-12		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2010-03-08		Nitrogen, Nitrate + Nitrite	0.48	mg/L	
HCCC-02	WW_31	2005-11-14		Nitrogen, Nitrate + Nitrite	0.001	mg/L	
HCCC-02	WW_31	2010-07-12		Nitrogen, Nitrate + Nitrite	0.056	mg/L	
HCCC-02	WW_31	2007-07-09		Nitrogen, Nitrate + Nitrite	0.163	mg/L	
HCCC-02	WW_31	2010-06-14		Nitrogen, Nitrate + Nitrite	0.314	mg/L	
HCCC-02	WW_31	2007-08-13		Nitrogen, Nitrate + Nitrite	0.26	mg/L	
HCCC-02	WW_31	2007-11-13		Nitrogen, Nitrate + Nitrite	0.093	mg/L	
HCCC-02	WW_31	2007-01-08		Nitrogen, Nitrate + Nitrite	0.523	mg/L	
HCCC-02	WW_31	2009-12-14		Nitrogen, Nitrate + Nitrite	0.356	mg/L	
HCCC-02	WW_31	2010-09-13		Nitrogen, Nitrate + Nitrite	0.185	mg/L	
HCCC-02	WW_31	2010-08-09		Nitrogen, Nitrate + Nitrite	0.339	mg/L	
HCCC-02	WW_31	2006-01-09		Nitrogen, Nitrate + Nitrite	0.577	mg/L	
HCCC-02	WW_31	2007-06-11		Nitrogen, Nitrate + Nitrite	0.173	mg/L	
HCCC-02	WW_31	2007-10-08		Nitrogen, Nitrate + Nitrite	0.058	mg/L	
HCCC-02	WW_31	2007-04-09		Nitrogen, Nitrate + Nitrite	0.271	mg/L	
HCCC-02	WW_31	2006-09-11		Nitrogen, Nitrate + Nitrite	0.483	mg/L	
HCCC-02	WW_31	2008-07-14		Nitrogen, Nitrate + Nitrite	4.864	mg/L	
HCCC-02	WW_31	2006-04-10		Nitrogen, Nitrate + Nitrite	0.386	mg/L	
HCCC-02	WW_31	2006-05-08		Nitrogen, Nitrate + Nitrite	0.242	mg/L	
HCCC-02	WW_31	2008-09-08		Nitrogen, Nitrate + Nitrite	0.175	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2006-06-12		Nitrogen, Nitrate + Nitrite	0.292	mg/L	
HCCC-02	WW_31	2009-06-08		Nitrogen, Nitrate + Nitrite	0.456	mg/L	
HCCC-02	WW_31	2008-04-14		Nitrogen, Nitrate + Nitrite	0.443	mg/L	
HCCC-02	WW_31	2009-03-09		Nitrogen, Nitrate + Nitrite	0.393	mg/L	
HCCC-02	WW_31	2008-05-12		Nitrogen, Nitrate + Nitrite	0.326	mg/L	
HCCC-02	WW_31	2006-07-10		Nitrogen, Nitrate + Nitrite	0.258	mg/L	
HCCC-02	WW_31	2009-07-13		Nitrogen, Nitrate + Nitrite	0.31	mg/L	
HCCC-02	WW_31	2008-08-11		Nitrogen, Nitrate + Nitrite	0.206	mg/L	
HCCC-02	WW_31	2006-11-13		Nitrogen, Nitrate + Nitrite	0.454	mg/L	
HCCC-02	WW_31	2006-08-14		Nitrogen, Nitrate + Nitrite	0.353	mg/L	
HCCC-02	WW_31	2008-06-09		Nitrogen, Nitrate + Nitrite	0.427	mg/L	
HCCC-02	WW_31	2009-09-14		Nitrogen, Nitrate + Nitrite	0.23	mg/L	
HCCC-02	WW_31	2008-11-10		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2009-04-13		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2006-10-09		Nitrogen, Nitrate + Nitrite	0.344	mg/L	
HCCC-02	WW_31	2006-12-11		Nitrogen, Nitrate + Nitrite	0.466	mg/L	
HCCC-02	WW_31	2008-10-13		Nitrogen, Nitrate + Nitrite	0.111	mg/L	
HCCC-02	WW_31	2009-05-11		Nitrogen, Nitrate + Nitrite	0.12	mg/L	
HCCC-02	WW_31	2008-03-10		Nitrogen, Nitrate + Nitrite	0.573	mg/L	
HCCC-02	WW_31	2009-08-10		Nitrogen, Nitrate + Nitrite	0.139	mg/L	
HCCC-02	WW_31	2001-11-13		Nitrogen, Nitrate + Nitrite	0.249	mg/L	
HCCC-02	WW_31	2002-04-08		Nitrogen, Nitrate + Nitrite	0.188	mg/L	
HCCC-02	WW_31	2002-05-13		Nitrogen, Nitrate + Nitrite	0.57	mg/L	
HCCC-02	WW_31	2001-02-13		Nitrogen, Nitrate + Nitrite	1.038	mg/L	
HCCC-02	WW_31	2001-03-12		Nitrogen, Nitrate + Nitrite	0.425	mg/L	
HCCC-02	WW_31	2003-05-12		Nitrogen, Nitrate + Nitrite	0.534	mg/L	
HCCC-02	WW_31	2003-04-14		Nitrogen, Nitrate + Nitrite	0.292	mg/L	
HCCC-02	WW_31	2002-06-10		Nitrogen, Nitrate + Nitrite	0.968	mg/L	
HCCC-02	WW_31	2001-08-13		Nitrogen, Nitrate + Nitrite	0.233	mg/L	
HCCC-02	WW_31	2001-12-10		Nitrogen, Nitrate + Nitrite	0.23	mg/L	
HCCC-02	WW_31	2001-07-09		Nitrogen, Nitrate + Nitrite	0.315	mg/L	
HCCC-02	WW_31	2002-11-12		Nitrogen, Nitrate + Nitrite	0	mg/L	
HCCC-02	WW_31	2001-09-10		Nitrogen, Nitrate + Nitrite	0.308	mg/L	
HCCC-02	WW_31	2001-05-14		Nitrogen, Nitrate + Nitrite	0.374	mg/L	
HCCC-02	WW_31	2002-09-09		Nitrogen, Nitrate + Nitrite	0.224	mg/L	
HCCC-02	WW_31	2002-10-14		Nitrogen, Nitrate + Nitrite	0.063	mg/L	
HCCC-02	WW_31	2002-03-11		Nitrogen, Nitrate + Nitrite	0.513	mg/L	
HCCC-02	WW_31	2002-07-08		Nitrogen, Nitrate + Nitrite	0.145	mg/L	
HCCC-02	WW_31	2002-02-11		Nitrogen, Nitrate + Nitrite	0.673	mg/L	
HCCC-02	WW_31	2001-06-11		Nitrogen, Nitrate + Nitrite	0.286	mg/L	
HCCC-02	WW_31	2002-08-12		Nitrogen, Nitrate + Nitrite	0.452	mg/L	
HCCC-02	WW_31	2001-10-08		Nitrogen, Nitrate + Nitrite	0.269	mg/L	
HCCC-02	WW_31	2001-04-09		Nitrogen, Nitrate + Nitrite	0.303	mg/L	
HCCC-02	WW_31	2003-09-08		Nitrogen, Nitrate + Nitrite	0.431	mg/L	
HCCC-02	WW_31	2003-06-09		Nitrogen, Nitrate + Nitrite	0.316	mg/L	
HCCC-02	WW_31	2003-10-13		Nitrogen, Nitrate + Nitrite	0.235	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2003-07-14		Nitrogen, Nitrate + Nitrite	0.29	mg/L	
HCCC-02	WW_31	2003-11-10		Nitrogen, Nitrate + Nitrite	0.352	mg/L	
HCCC-02	WW_31	2004-04-12		Nitrogen, Nitrate + Nitrite	0.087	mg/L	
HCCC-02	WW_31	2003-08-11		Nitrogen, Nitrate + Nitrite	0.292	mg/L	
HCCC-02	WW_31	2004-05-10		Nitrogen, Nitrate + Nitrite	0.166	mg/L	
HCCC-02	WW_31	2004-03-08		Nitrogen, Nitrate + Nitrite	0.869	mg/L	
HCCC-02	WW_31	2003-12-08		Nitrogen, Nitrate + Nitrite	0.379	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Nitrogen, Nitrate + Nitrite	6.1	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Nitrogen, Nitrate + Nitrite	1.59	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Nitrogen, Nitrate + Nitrite	6.9	mg/L	
HCCC-04	WW_103	2012-01-17		Nitrogen, Nitrate + Nitrite	5.631	mg/L	
HCCC-04	WW_103	2011-12-12		Nitrogen, Nitrate + Nitrite	5.924	mg/L	
HCCC-04	WW_103	2011-05-09		Nitrogen, Nitrate + Nitrite	4.551	mg/L	
HCCC-04	WW_103	2011-11-14		Nitrogen, Nitrate + Nitrite	2.545	mg/L	
HCCC-04	WW_103	2011-06-13		Nitrogen, Nitrate + Nitrite	2.56	mg/L	
HCCC-04	WW_103	2011-09-12		Nitrogen, Nitrate + Nitrite	3.985	mg/L	
HCCC-04	WW_103	2011-08-08		Nitrogen, Nitrate + Nitrite	0.943	mg/L	
HCCC-04	WW_103	2012-04-09		Nitrogen, Nitrate + Nitrite	2.235	mg/L	
HCCC-04	WW_103	2012-05-14		Nitrogen, Nitrate + Nitrite	2.021	mg/L	
HCCC-04	WW_103	2012-07-16		Nitrogen, Nitrate + Nitrite	5.988	mg/L	
HCCC-04	WW_103	2012-02-14		Nitrogen, Nitrate + Nitrite	4.926	mg/L	
HCCC-04	WW_103	2011-07-11		Nitrogen, Nitrate + Nitrite	4.297	mg/L	
HCCC-04	WW_103	2012-03-12		Nitrogen, Nitrate + Nitrite	2.247	mg/L	
HCCC-04	WW_103	2012-06-11		Nitrogen, Nitrate + Nitrite	0.999	mg/L	
HCCC-04	WW_103	2011-10-10		Nitrogen, Nitrate + Nitrite	5.222	mg/L	
HCCC-04	WW_103	2011-03-14		Nitrogen, Nitrate + Nitrite	2.638	mg/L	
HCCC-04	WW_103	2010-10-11		Nitrogen, Nitrate + Nitrite	4.385	mg/L	
HCCC-04	WW_103	2011-02-14		Nitrogen, Nitrate + Nitrite	7.799	mg/L	
HCCC-04	WW_103	2010-11-08		Nitrogen, Nitrate + Nitrite	10.761	mg/L	
HCCC-04	WW_103	2011-04-11		Nitrogen, Nitrate + Nitrite	1.537	mg/L	
HCCC-04	WW_103	2001-08-13		Nitrogen, Nitrate + Nitrite	1.248	mg/L	
HCCC-04	WW_103	2004-08-09		Nitrogen, Nitrate + Nitrite	2.05	mg/L	
HCCC-04	WW_103	2002-04-08		Nitrogen, Nitrate + Nitrite	4.168	mg/L	
HCCC-04	WW_103	2005-07-11		Nitrogen, Nitrate + Nitrite	0.916	mg/L	
HCCC-04	WW_103	2005-01-10		Nitrogen, Nitrate + Nitrite	4.189	mg/L	
HCCC-04	WW_103	2003-11-10		Nitrogen, Nitrate + Nitrite	2.879	mg/L	
HCCC-04	WW_103	2002-07-08		Nitrogen, Nitrate + Nitrite	3.082	mg/L	
HCCC-04	WW_103	2004-09-13		Nitrogen, Nitrate + Nitrite	5.152	mg/L	
HCCC-04	WW_103	2002-06-10		Nitrogen, Nitrate + Nitrite	1.307	mg/L	
HCCC-04	WW_103	2005-03-14		Nitrogen, Nitrate + Nitrite	4.029	mg/L	
HCCC-04	WW_103	2002-05-13		Nitrogen, Nitrate + Nitrite	0.96	mg/L	
HCCC-04	WW_103	2003-12-08		Nitrogen, Nitrate + Nitrite	3.528	mg/L	
HCCC-04	WW_103	2005-09-12		Nitrogen, Nitrate + Nitrite	4.147	mg/L	
HCCC-04	WW_103	2001-07-09		Nitrogen, Nitrate + Nitrite	1.956	mg/L	
HCCC-04	WW_103	2002-01-14		Nitrogen, Nitrate + Nitrite	8.86	mg/L	
HCCC-04	WW_103	2005-02-14		Nitrogen, Nitrate + Nitrite	1.67	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2004-06-14		Nitrogen, Nitrate + Nitrite	1.533	mg/L	
HCCC-04	WW_103	2001-10-08		Nitrogen, Nitrate + Nitrite	2.229	mg/L	
HCCC-04	WW_103	2004-04-12		Nitrogen, Nitrate + Nitrite	4.464	mg/L	
HCCC-04	WW_103	2001-12-10		Nitrogen, Nitrate + Nitrite	4.636	mg/L	
HCCC-04	WW_103	2004-05-10		Nitrogen, Nitrate + Nitrite	4.502	mg/L	
HCCC-04	WW_103	2001-11-13		Nitrogen, Nitrate + Nitrite	4.582	mg/L	
HCCC-04	WW_103	2001-09-10		Nitrogen, Nitrate + Nitrite	3.772	mg/L	
HCCC-04	WW_103	2002-03-11		Nitrogen, Nitrate + Nitrite	1.511	mg/L	
HCCC-04	WW_103	2004-07-12		Nitrogen, Nitrate + Nitrite	1.624	mg/L	
HCCC-04	WW_103	2002-02-11		Nitrogen, Nitrate + Nitrite	2.281	mg/L	
HCCC-04	WW_103	2004-03-08		Nitrogen, Nitrate + Nitrite	1.913	mg/L	
HCCC-04	WW_103	2002-11-12		Nitrogen, Nitrate + Nitrite	8.395	mg/L	
HCCC-04	WW_103	2003-07-14		Nitrogen, Nitrate + Nitrite	1.888	mg/L	
HCCC-04	WW_103	2001-04-09		Nitrogen, Nitrate + Nitrite	2.494	mg/L	
HCCC-04	WW_103	2004-11-08		Nitrogen, Nitrate + Nitrite	2.396	mg/L	
HCCC-04	WW_103	2002-10-14		Nitrogen, Nitrate + Nitrite	7.767	mg/L	
HCCC-04	WW_103	2003-08-11		Nitrogen, Nitrate + Nitrite	3.567	mg/L	
HCCC-04	WW_103	2003-05-12		Nitrogen, Nitrate + Nitrite	1.4	mg/L	
HCCC-04	WW_103	2001-03-12		Nitrogen, Nitrate + Nitrite	5.472	mg/L	
HCCC-04	WW_103	2004-12-13		Nitrogen, Nitrate + Nitrite	3.03	mg/L	
HCCC-04	WW_103	2005-05-09		Nitrogen, Nitrate + Nitrite	6.786	mg/L	
HCCC-04	WW_103	2005-04-11		Nitrogen, Nitrate + Nitrite	4.448	mg/L	
HCCC-04	WW_103	2003-04-14		Nitrogen, Nitrate + Nitrite	2.482	mg/L	
HCCC-04	WW_103	2003-06-09		Nitrogen, Nitrate + Nitrite	3.204	mg/L	
HCCC-04	WW_103	2001-06-11		Nitrogen, Nitrate + Nitrite	2.566	mg/L	
HCCC-04	WW_103	2002-08-12		Nitrogen, Nitrate + Nitrite	3.999	mg/L	
HCCC-04	WW_103	2003-09-08		Nitrogen, Nitrate + Nitrite	4.836	mg/L	
HCCC-04	WW_103	2004-10-11		Nitrogen, Nitrate + Nitrite	1.914	mg/L	
HCCC-04	WW_103	2005-06-13		Nitrogen, Nitrate + Nitrite	1.408	mg/L	
HCCC-04	WW_103	2001-05-14		Nitrogen, Nitrate + Nitrite	2.114	mg/L	
HCCC-04	WW_103	2002-09-09		Nitrogen, Nitrate + Nitrite	1.973	mg/L	
HCCC-04	WW_103	2009-05-11		Nitrogen, Nitrate + Nitrite	2.716	mg/L	
HCCC-04	WW_103	2009-04-13		Nitrogen, Nitrate + Nitrite	4.349	mg/L	
HCCC-04	WW_103	2008-10-13		Nitrogen, Nitrate + Nitrite	3.275	mg/L	
HCCC-04	WW_103	2008-03-10		Nitrogen, Nitrate + Nitrite	2.411	mg/L	
HCCC-04	WW_103	2006-08-14		Nitrogen, Nitrate + Nitrite	4.171	mg/L	
HCCC-04	WW_103	2008-06-09		Nitrogen, Nitrate + Nitrite	0.759	mg/L	
HCCC-04	WW_103	2008-11-10		Nitrogen, Nitrate + Nitrite	3.517	mg/L	
HCCC-04	WW_103	2006-10-09		Nitrogen, Nitrate + Nitrite	1.989	mg/L	
HCCC-04	WW_103	2009-08-10		Nitrogen, Nitrate + Nitrite	1.54	mg/L	
HCCC-04	WW_103	2009-03-09		Nitrogen, Nitrate + Nitrite	0.696	mg/L	
HCCC-04	WW_103	2009-02-09		Nitrogen, Nitrate + Nitrite	1.685	mg/L	
HCCC-04	WW_103	2008-08-11		Nitrogen, Nitrate + Nitrite	2.323	mg/L	
HCCC-04	WW_103	2009-06-08		Nitrogen, Nitrate + Nitrite	1.609	mg/L	
HCCC-04	WW_103	2008-05-12		Nitrogen, Nitrate + Nitrite	2.048	mg/L	
HCCC-04	WW_103	2008-09-08		Nitrogen, Nitrate + Nitrite	1.578	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-04-10		Nitrogen, Nitrate + Nitrite	3.345	mg/L	
HCCC-04	WW_103	2006-07-10		Nitrogen, Nitrate + Nitrite	2.022	mg/L	
HCCC-04	WW_103	2006-11-13		Nitrogen, Nitrate + Nitrite	1.894	mg/L	
HCCC-04	WW_103	2006-06-12		Nitrogen, Nitrate + Nitrite	2.094	mg/L	
HCCC-04	WW_103	2009-07-13		Nitrogen, Nitrate + Nitrite	5.174	mg/L	
HCCC-04	WW_103	2008-04-14		Nitrogen, Nitrate + Nitrite	1.507	mg/L	
HCCC-04	WW_103	2008-07-14		Nitrogen, Nitrate + Nitrite	1.079	mg/L	
HCCC-04	WW_103	2006-05-08		Nitrogen, Nitrate + Nitrite	3.147	mg/L	
HCCC-04	WW_103	2006-09-11		Nitrogen, Nitrate + Nitrite	3.459	mg/L	
HCCC-04	WW_103	2010-05-10		Nitrogen, Nitrate + Nitrite	2.093	mg/L	
HCCC-04	WW_103	2005-11-14		Nitrogen, Nitrate + Nitrite	4.137	mg/L	
HCCC-04	WW_103	2009-11-09		Nitrogen, Nitrate + Nitrite	4.533	mg/L	
HCCC-04	WW_103	2010-02-08		Nitrogen, Nitrate + Nitrite	5.475	mg/L	
HCCC-04	WW_103	2010-07-12		Nitrogen, Nitrate + Nitrite	2.244	mg/L	
HCCC-04	WW_103	2007-12-10		Nitrogen, Nitrate + Nitrite	4.411	mg/L	
HCCC-04	WW_103	2010-08-09		Nitrogen, Nitrate + Nitrite	2.317	mg/L	
HCCC-04	WW_103	2007-07-09		Nitrogen, Nitrate + Nitrite	1.37	mg/L	
HCCC-04	WW_103	2007-01-08		Nitrogen, Nitrate + Nitrite	2.501	mg/L	
HCCC-04	WW_103	2007-03-12		Nitrogen, Nitrate + Nitrite	1.237	mg/L	
HCCC-04	WW_103	2007-11-13		Nitrogen, Nitrate + Nitrite	11.337	mg/L	
HCCC-04	WW_103	2007-08-13		Nitrogen, Nitrate + Nitrite	1.942	mg/L	
HCCC-04	WW_103	2010-06-14		Nitrogen, Nitrate + Nitrite	1.866	mg/L	
HCCC-04	WW_103	2006-02-14		Nitrogen, Nitrate + Nitrite	6.555	mg/L	
HCCC-04	WW_103	2009-12-14		Nitrogen, Nitrate + Nitrite	3.657	mg/L	
HCCC-04	WW_103	2010-09-13		Nitrogen, Nitrate + Nitrite	3.527	mg/L	
HCCC-04	WW_103	2010-04-12		Nitrogen, Nitrate + Nitrite	2.128	mg/L	
HCCC-04	WW_103	2009-09-14		Nitrogen, Nitrate + Nitrite	5.022	mg/L	
HCCC-04	WW_103	2010-03-08		Nitrogen, Nitrate + Nitrite	2.39	mg/L	
HCCC-04	WW_103	2007-06-11		Nitrogen, Nitrate + Nitrite	2.508	mg/L	
HCCC-04	WW_103	2007-09-10		Nitrogen, Nitrate + Nitrite	2.404	mg/L	
HCCC-04	WW_103	2005-10-10		Nitrogen, Nitrate + Nitrite	7.079	mg/L	
HCCC-04	WW_103	2006-01-09		Nitrogen, Nitrate + Nitrite	3.724	mg/L	
HCCC-04	WW_103	2007-05-14		Nitrogen, Nitrate + Nitrite	4.263	mg/L	
HCCC-04	WW_103	2007-04-09		Nitrogen, Nitrate + Nitrite	4.352	mg/L	
HCCC-04	WW_103	2007-10-08		Nitrogen, Nitrate + Nitrite	2.1	mg/L	
HCCC-04	WW_103	2008-01-14		Nitrogen, Nitrate + Nitrite	2.688	mg/L	
HCCC-04	WW_103	2009-10-12		Nitrogen, Nitrate + Nitrite	2.493	mg/L	
HCCC-04	WW_103	2006-03-13		Nitrogen, Nitrate + Nitrite	1.641	mg/L	
HCCC-04	WW_103	2006-12-11		Nitrogen, Nitrate + Nitrite	3.234	mg/L	
HCCC-04	WW_104	2011-10-10		Nitrogen, Nitrate + Nitrite	6.347	mg/L	
HCCC-04	WW_104	2011-03-14		Nitrogen, Nitrate + Nitrite	2.83	mg/L	
HCCC-04	WW_104	2012-06-11		Nitrogen, Nitrate + Nitrite	10.998	mg/L	
HCCC-04	WW_104	2011-07-11		Nitrogen, Nitrate + Nitrite	1.586	mg/L	
HCCC-04	WW_104	2012-02-14		Nitrogen, Nitrate + Nitrite	3.593	mg/L	
HCCC-04	WW_104	2012-07-16		Nitrogen, Nitrate + Nitrite	5.67	mg/L	
HCCC-04	WW_104	2010-11-08		Nitrogen, Nitrate + Nitrite	10.957	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2011-09-12		Nitrogen, Nitrate + Nitrite	12.884	mg/L	
HCCC-04	WW_104	2011-01-10		Nitrogen, Nitrate + Nitrite	7.147	mg/L	
HCCC-04	WW_104	2012-04-09		Nitrogen, Nitrate + Nitrite	5.96	mg/L	
HCCC-04	WW_104	2011-08-08		Nitrogen, Nitrate + Nitrite	0.538	mg/L	
HCCC-04	WW_104	2012-03-12		Nitrogen, Nitrate + Nitrite	4.683	mg/L	
HCCC-04	WW_104	2010-12-13		Nitrogen, Nitrate + Nitrite	4.129	mg/L	
HCCC-04	WW_104	2012-05-14		Nitrogen, Nitrate + Nitrite	6.839	mg/L	
HCCC-04	WW_104	2011-02-14		Nitrogen, Nitrate + Nitrite	12.649	mg/L	
HCCC-04	WW_104	2010-10-11		Nitrogen, Nitrate + Nitrite	9.605	mg/L	
HCCC-04	WW_104	2011-04-11		Nitrogen, Nitrate + Nitrite	2.391	mg/L	
HCCC-04	WW_104	2011-11-14		Nitrogen, Nitrate + Nitrite	3.028	mg/L	
HCCC-04	WW_104	2011-05-09		Nitrogen, Nitrate + Nitrite	5.146	mg/L	
HCCC-04	WW_104	2012-01-17		Nitrogen, Nitrate + Nitrite	2.982	mg/L	
HCCC-04	WW_104	2011-06-13		Nitrogen, Nitrate + Nitrite	2.344	mg/L	
HCCC-04	WW_104	2011-12-12		Nitrogen, Nitrate + Nitrite	2.407	mg/L	
HCCC-04	WW_104	2003-04-14		Nitrogen, Nitrate + Nitrite	4.467	mg/L	
HCCC-04	WW_104	2005-02-14		Nitrogen, Nitrate + Nitrite	1.59	mg/L	
HCCC-04	WW_104	2004-04-12		Nitrogen, Nitrate + Nitrite	6	mg/L	
HCCC-04	WW_104	2005-05-09		Nitrogen, Nitrate + Nitrite	8.449	mg/L	
HCCC-04	WW_104	2001-12-10		Nitrogen, Nitrate + Nitrite	4.702	mg/L	
HCCC-04	WW_104	2002-08-12		Nitrogen, Nitrate + Nitrite	8.896	mg/L	
HCCC-04	WW_104	2005-08-08		Nitrogen, Nitrate + Nitrite	9.343	mg/L	
HCCC-04	WW_104	2004-05-10		Nitrogen, Nitrate + Nitrite	7.836	mg/L	
HCCC-04	WW_104	2003-05-12		Nitrogen, Nitrate + Nitrite	1.122	mg/L	
HCCC-04	WW_104	2002-01-14		Nitrogen, Nitrate + Nitrite	7.159	mg/L	
HCCC-04	WW_104	2003-08-11		Nitrogen, Nitrate + Nitrite	5.835	mg/L	
HCCC-04	WW_104	2004-02-09		Nitrogen, Nitrate + Nitrite	6.128	mg/L	
HCCC-04	WW_104	2005-07-11		Nitrogen, Nitrate + Nitrite	5.921	mg/L	
HCCC-04	WW_104	2002-10-14		Nitrogen, Nitrate + Nitrite	5.533	mg/L	
HCCC-04	WW_104	2004-01-12		Nitrogen, Nitrate + Nitrite	7.308	mg/L	
HCCC-04	WW_104	2002-04-08		Nitrogen, Nitrate + Nitrite	3.098	mg/L	
HCCC-04	WW_104	2002-02-11		Nitrogen, Nitrate + Nitrite	2.211	mg/L	
HCCC-04	WW_104	2005-04-11		Nitrogen, Nitrate + Nitrite	9.214	mg/L	
HCCC-04	WW_104	2005-06-13		Nitrogen, Nitrate + Nitrite	4.877	mg/L	
HCCC-04	WW_104	2002-09-09		Nitrogen, Nitrate + Nitrite	4.587	mg/L	
HCCC-04	WW_104	2002-11-12		Nitrogen, Nitrate + Nitrite	8.005	mg/L	
HCCC-04	WW_104	2002-05-13		Nitrogen, Nitrate + Nitrite	0.895	mg/L	
HCCC-04	WW_104	2005-03-14		Nitrogen, Nitrate + Nitrite	3.478	mg/L	
HCCC-04	WW_104	2002-03-11		Nitrogen, Nitrate + Nitrite	1.656	mg/L	
HCCC-04	WW_104	2004-03-08		Nitrogen, Nitrate + Nitrite	2.102	mg/L	
HCCC-04	WW_104	2004-09-13		Nitrogen, Nitrate + Nitrite	8.932	mg/L	
HCCC-04	WW_104	2001-05-14		Nitrogen, Nitrate + Nitrite	1.689	mg/L	
HCCC-04	WW_104	2004-06-14		Nitrogen, Nitrate + Nitrite	1.378	mg/L	
HCCC-04	WW_104	2001-10-08		Nitrogen, Nitrate + Nitrite	3.565	mg/L	
HCCC-04	WW_104	2001-04-09		Nitrogen, Nitrate + Nitrite	2.495	mg/L	
HCCC-04	WW_104	2001-06-11		Nitrogen, Nitrate + Nitrite	2.477	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2004-11-08		Nitrogen, Nitrate + Nitrite	4.217	mg/L	
HCCC-04	WW_104	2004-07-12		Nitrogen, Nitrate + Nitrite	1.636	mg/L	
HCCC-04	WW_104	2001-03-12		Nitrogen, Nitrate + Nitrite	4.219	mg/L	
HCCC-04	WW_104	2001-11-13		Nitrogen, Nitrate + Nitrite	4.906	mg/L	
HCCC-04	WW_104	2001-07-09		Nitrogen, Nitrate + Nitrite	1.581	mg/L	
HCCC-04	WW_104	2004-10-11		Nitrogen, Nitrate + Nitrite	4.995	mg/L	
HCCC-04	WW_104	2001-09-10		Nitrogen, Nitrate + Nitrite	3.844	mg/L	
HCCC-04	WW_104	2005-01-10		Nitrogen, Nitrate + Nitrite	3.863	mg/L	
HCCC-04	WW_104	2001-08-13		Nitrogen, Nitrate + Nitrite	2.724	mg/L	
HCCC-04	WW_104	2005-09-12		Nitrogen, Nitrate + Nitrite	9.875	mg/L	
HCCC-04	WW_104	2004-08-09		Nitrogen, Nitrate + Nitrite	4.628	mg/L	
HCCC-04	WW_104	2004-12-13		Nitrogen, Nitrate + Nitrite	2.353	mg/L	
HCCC-04	WW_104	2007-03-12		Nitrogen, Nitrate + Nitrite	1.227	mg/L	
HCCC-04	WW_104	2007-08-13		Nitrogen, Nitrate + Nitrite	1.273	mg/L	
HCCC-04	WW_104	2006-01-09		Nitrogen, Nitrate + Nitrite	3.482	mg/L	
HCCC-04	WW_104	2009-03-09		Nitrogen, Nitrate + Nitrite	0.761	mg/L	
HCCC-04	WW_104	2008-07-14		Nitrogen, Nitrate + Nitrite	1.614	mg/L	
HCCC-04	WW_104	2010-05-10		Nitrogen, Nitrate + Nitrite	3.783	mg/L	
HCCC-04	WW_104	2005-12-12		Nitrogen, Nitrate + Nitrite	7.577	mg/L	
HCCC-04	WW_104	2007-09-10		Nitrogen, Nitrate + Nitrite	3.697	mg/L	
HCCC-04	WW_104	2006-06-12		Nitrogen, Nitrate + Nitrite	3.177	mg/L	
HCCC-04	WW_104	2010-04-12		Nitrogen, Nitrate + Nitrite	3.508	mg/L	
HCCC-04	WW_104	2008-11-10		Nitrogen, Nitrate + Nitrite	4.907	mg/L	
HCCC-04	WW_104	2007-04-09		Nitrogen, Nitrate + Nitrite	3.204	mg/L	
HCCC-04	WW_104	2010-08-09		Nitrogen, Nitrate + Nitrite	2.962	mg/L	
HCCC-04	WW_104	2007-06-11		Nitrogen, Nitrate + Nitrite	3.663	mg/L	
HCCC-04	WW_104	2008-10-13		Nitrogen, Nitrate + Nitrite	5.09	mg/L	
HCCC-04	WW_104	2007-05-14		Nitrogen, Nitrate + Nitrite	4.95	mg/L	
HCCC-04	WW_104	2005-10-10		Nitrogen, Nitrate + Nitrite	0.174	mg/L	
HCCC-04	WW_104	2010-09-13		Nitrogen, Nitrate + Nitrite	6.321	mg/L	
HCCC-04	WW_104	2006-08-14		Nitrogen, Nitrate + Nitrite	8.747	mg/L	
HCCC-04	WW_104	2008-09-08		Nitrogen, Nitrate + Nitrite	1.997	mg/L	
HCCC-04	WW_104	2006-07-10		Nitrogen, Nitrate + Nitrite	6.808	mg/L	
HCCC-04	WW_104	2009-01-12		Nitrogen, Nitrate + Nitrite	4.318	mg/L	
HCCC-04	WW_104	2009-02-09		Nitrogen, Nitrate + Nitrite	1.921	mg/L	
HCCC-04	WW_104	2008-08-11		Nitrogen, Nitrate + Nitrite	8.875	mg/L	
HCCC-04	WW_104	2008-12-08		Nitrogen, Nitrate + Nitrite	5.162	mg/L	
HCCC-04	WW_104	2005-11-14		Nitrogen, Nitrate + Nitrite	6.802	mg/L	
HCCC-04	WW_104	2007-07-09		Nitrogen, Nitrate + Nitrite	4.753	mg/L	
HCCC-04	WW_104	2006-09-11		Nitrogen, Nitrate + Nitrite	1.193	mg/L	
HCCC-04	WW_104	2009-11-09		Nitrogen, Nitrate + Nitrite	4.403	mg/L	
HCCC-04	WW_104	2007-12-10		Nitrogen, Nitrate + Nitrite	5.7	mg/L	
HCCC-04	WW_104	2006-11-13		Nitrogen, Nitrate + Nitrite	2.005	mg/L	
HCCC-04	WW_104	2006-02-14		Nitrogen, Nitrate + Nitrite	3.549	mg/L	
HCCC-04	WW_104	2009-12-14		Nitrogen, Nitrate + Nitrite	3.541	mg/L	
HCCC-04	WW_104	2008-05-12		Nitrogen, Nitrate + Nitrite	2.272	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2009-06-08		Nitrogen, Nitrate + Nitrite	3.075	mg/L	
HCCC-04	WW_104	2009-08-10		Nitrogen, Nitrate + Nitrite	4.513	mg/L	
HCCC-04	WW_104	2009-09-14		Nitrogen, Nitrate + Nitrite	7.574	mg/L	
HCCC-04	WW_104	2008-02-11		Nitrogen, Nitrate + Nitrite	3.105	mg/L	
HCCC-04	WW_104	2008-03-10		Nitrogen, Nitrate + Nitrite	1.957	mg/L	
HCCC-04	WW_104	2009-10-12		Nitrogen, Nitrate + Nitrite	4.553	mg/L	
HCCC-04	WW_104	2006-04-10		Nitrogen, Nitrate + Nitrite	3.964	mg/L	
HCCC-04	WW_104	2008-04-14		Nitrogen, Nitrate + Nitrite	1.395	mg/L	
HCCC-04	WW_104	2009-07-13		Nitrogen, Nitrate + Nitrite	4.89	mg/L	
HCCC-04	WW_104	2008-01-14		Nitrogen, Nitrate + Nitrite	2.506	mg/L	
HCCC-04	WW_104	2006-12-11		Nitrogen, Nitrate + Nitrite	3.416	mg/L	
HCCC-04	WW_104	2006-03-13		Nitrogen, Nitrate + Nitrite	2.425	mg/L	
HCCC-04	WW_104	2009-04-13		Nitrogen, Nitrate + Nitrite	5.028	mg/L	
HCCC-04	WW_104	2009-05-11		Nitrogen, Nitrate + Nitrite	2.815	mg/L	
HCCC-04	WW_104	2007-01-08		Nitrogen, Nitrate + Nitrite	4.143	mg/L	
HCCC-04	WW_104	2007-10-08		Nitrogen, Nitrate + Nitrite	6.987	mg/L	
HCCC-04	WW_104	2010-02-08		Nitrogen, Nitrate + Nitrite	7.808	mg/L	
HCCC-04	WW_104	2010-03-08		Nitrogen, Nitrate + Nitrite	3.837	mg/L	
HCCC-04	WW_104	2006-10-09		Nitrogen, Nitrate + Nitrite	3.024	mg/L	
HCCC-04	WW_104	2008-06-09		Nitrogen, Nitrate + Nitrite	0.82	mg/L	
HCCC-04	WW_104	2006-05-08		Nitrogen, Nitrate + Nitrite	5.291	mg/L	
HCCC-04	WW_104	2007-11-13		Nitrogen, Nitrate + Nitrite	10.133	mg/L	
HCCD-01	WW_32	2012-07-16		Nitrogen, Nitrate + Nitrite	0.474	mg/L	
HCCD-01	WW_32	2011-06-13		Nitrogen, Nitrate + Nitrite	0.378	mg/L	
HCCD-01	WW_32	2010-11-08		Nitrogen, Nitrate + Nitrite	0.403	mg/L	
HCCD-01	WW_32	2012-03-12		Nitrogen, Nitrate + Nitrite	0.3	mg/L	
HCCD-01	WW_32	2011-10-10		Nitrogen, Nitrate + Nitrite	0.333	mg/L	
HCCD-01	WW_32	2011-03-14		Nitrogen, Nitrate + Nitrite	0.711	mg/L	
HCCD-01	WW_32	2011-08-08		Nitrogen, Nitrate + Nitrite	0.501	mg/L	
HCCD-01	WW_32	2012-06-11		Nitrogen, Nitrate + Nitrite	0.914	mg/L	
HCCD-01	WW_32	2012-05-14		Nitrogen, Nitrate + Nitrite	0.336	mg/L	
HCCD-01	WW_32	2011-09-12		Nitrogen, Nitrate + Nitrite	0.901	mg/L	
HCCD-01	WW_32	2011-07-11		Nitrogen, Nitrate + Nitrite	1.473	mg/L	
HCCD-01	WW_32	2012-04-09		Nitrogen, Nitrate + Nitrite	0.275	mg/L	
HCCD-01	WW_32	2011-05-09		Nitrogen, Nitrate + Nitrite	0.134	mg/L	
HCCD-01	WW_32	2010-10-11		Nitrogen, Nitrate + Nitrite	0.356	mg/L	
HCCD-01	WW_32	2012-01-17		Nitrogen, Nitrate + Nitrite	0.547	mg/L	
HCCD-01	WW_32	2011-11-14		Nitrogen, Nitrate + Nitrite	0.299	mg/L	
HCCD-01	WW_32	2011-04-11		Nitrogen, Nitrate + Nitrite	4.391	mg/L	
HCCD-01	WW_32	2011-12-12		Nitrogen, Nitrate + Nitrite	0.528	mg/L	
HCCD-01	WW_32	2005-02-14		Nitrogen, Nitrate + Nitrite	1.156	mg/L	
HCCD-01	WW_32	2004-10-11		Nitrogen, Nitrate + Nitrite	0.41	mg/L	
HCCD-01	WW_32	2005-06-13		Nitrogen, Nitrate + Nitrite	0.364	mg/L	
HCCD-01	WW_32	2004-07-12		Nitrogen, Nitrate + Nitrite	0.307	mg/L	
HCCD-01	WW_32	2005-09-12		Nitrogen, Nitrate + Nitrite	1.002	mg/L	
HCCD-01	WW_32	2004-08-09		Nitrogen, Nitrate + Nitrite	2.579	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2005-07-11		Nitrogen, Nitrate + Nitrite	0.502	mg/L	
HCCD-01	WW_32	2004-09-13		Nitrogen, Nitrate + Nitrite	1.41	mg/L	
HCCD-01	WW_32	2005-03-14		Nitrogen, Nitrate + Nitrite	0.494	mg/L	
HCCD-01	WW_32	2004-06-14		Nitrogen, Nitrate + Nitrite	0.335	mg/L	
HCCD-01	WW_32	2004-11-08		Nitrogen, Nitrate + Nitrite	0.464	mg/L	
HCCD-01	WW_32	2005-08-08		Nitrogen, Nitrate + Nitrite	1.746	mg/L	
HCCD-01	WW_32	2005-04-11		Nitrogen, Nitrate + Nitrite	0.217	mg/L	
HCCD-01	WW_32	2004-12-13		Nitrogen, Nitrate + Nitrite	0.74	mg/L	
HCCD-01	WW_32	2005-05-09		Nitrogen, Nitrate + Nitrite	0.175	mg/L	
HCCD-01	WW_32	2009-03-09		Nitrogen, Nitrate + Nitrite	0.682	mg/L	
HCCD-01	WW_32	2010-05-10		Nitrogen, Nitrate + Nitrite	0.19	mg/L	
HCCD-01	WW_32	2005-12-12		Nitrogen, Nitrate + Nitrite	9.383	mg/L	
HCCD-01	WW_32	2007-03-12		Nitrogen, Nitrate + Nitrite	0.728	mg/L	
HCCD-01	WW_32	2008-07-14		Nitrogen, Nitrate + Nitrite	0.334	mg/L	
HCCD-01	WW_32	2009-04-13		Nitrogen, Nitrate + Nitrite	0.109	mg/L	
HCCD-01	WW_32	2007-08-13		Nitrogen, Nitrate + Nitrite	0.372	mg/L	
HCCD-01	WW_32	2010-06-14		Nitrogen, Nitrate + Nitrite	0.452	mg/L	
HCCD-01	WW_32	2006-10-09		Nitrogen, Nitrate + Nitrite	0.411	mg/L	
HCCD-01	WW_32	2006-06-12		Nitrogen, Nitrate + Nitrite	0.569	mg/L	
HCCD-01	WW_32	2008-11-10		Nitrogen, Nitrate + Nitrite	0.197	mg/L	
HCCD-01	WW_32	2007-04-09		Nitrogen, Nitrate + Nitrite	0.329	mg/L	
HCCD-01	WW_32	2008-10-13		Nitrogen, Nitrate + Nitrite	0.244	mg/L	
HCCD-01	WW_32	2005-10-10		Nitrogen, Nitrate + Nitrite	13.048	mg/L	
HCCD-01	WW_32	2007-05-14		Nitrogen, Nitrate + Nitrite	0.276	mg/L	
HCCD-01	WW_32	2010-09-13		Nitrogen, Nitrate + Nitrite	0.339	mg/L	
HCCD-01	WW_32	2007-06-11		Nitrogen, Nitrate + Nitrite	0.472	mg/L	
HCCD-01	WW_32	2006-08-14		Nitrogen, Nitrate + Nitrite	0.492	mg/L	
HCCD-01	WW_32	2007-07-09		Nitrogen, Nitrate + Nitrite	0.501	mg/L	
HCCD-01	WW_32	2010-07-12		Nitrogen, Nitrate + Nitrite	0.126	mg/L	
HCCD-01	WW_32	2008-08-11		Nitrogen, Nitrate + Nitrite	1.232	mg/L	
HCCD-01	WW_32	2008-09-08		Nitrogen, Nitrate + Nitrite	0.353	mg/L	
HCCD-01	WW_32	2010-08-09		Nitrogen, Nitrate + Nitrite	0.48	mg/L	
HCCD-01	WW_32	2005-11-14		Nitrogen, Nitrate + Nitrite	9.451	mg/L	
HCCD-01	WW_32	2006-07-10		Nitrogen, Nitrate + Nitrite	0.361	mg/L	
HCCD-01	WW_32	2006-09-11		Nitrogen, Nitrate + Nitrite	0.539	mg/L	
HCCD-01	WW_32	2006-11-13		Nitrogen, Nitrate + Nitrite	0.572	mg/L	
HCCD-01	WW_32	2008-04-14		Nitrogen, Nitrate + Nitrite	0.6	mg/L	
HCCD-01	WW_32	2007-11-13		Nitrogen, Nitrate + Nitrite	0.638	mg/L	
HCCD-01	WW_32	2007-01-08		Nitrogen, Nitrate + Nitrite	0.695	mg/L	
HCCD-01	WW_32	2009-07-13		Nitrogen, Nitrate + Nitrite	0.262	mg/L	
HCCD-01	WW_32	2009-08-10		Nitrogen, Nitrate + Nitrite	0.306	mg/L	
HCCD-01	WW_32	2009-11-09		Nitrogen, Nitrate + Nitrite	0.22	mg/L	
HCCD-01	WW_32	2009-12-14		Nitrogen, Nitrate + Nitrite	0.539	mg/L	
HCCD-01	WW_32	2008-03-10		Nitrogen, Nitrate + Nitrite	1.148	mg/L	
HCCD-01	WW_32	2006-02-14		Nitrogen, Nitrate + Nitrite	16.262	mg/L	
HCCD-01	WW_32	2006-04-10		Nitrogen, Nitrate + Nitrite	9.26	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2009-05-11		Nitrogen, Nitrate + Nitrite	0.209	mg/L	
HCCD-01	WW_32	2010-04-12		Nitrogen, Nitrate + Nitrite	0.215	mg/L	
HCCD-01	WW_32	2006-01-09		Nitrogen, Nitrate + Nitrite	6.344	mg/L	
HCCD-01	WW_32	2006-03-13		Nitrogen, Nitrate + Nitrite	1.801	mg/L	
HCCD-01	WW_32	2007-09-10		Nitrogen, Nitrate + Nitrite	0.284	mg/L	
HCCD-01	WW_32	2006-12-11		Nitrogen, Nitrate + Nitrite	0.676	mg/L	
HCCD-01	WW_32	2008-06-09		Nitrogen, Nitrate + Nitrite	0.841	mg/L	
HCCD-01	WW_32	2008-05-12		Nitrogen, Nitrate + Nitrite	0.392	mg/L	
HCCD-01	WW_32	2010-03-08		Nitrogen, Nitrate + Nitrite	0.578	mg/L	
HCCD-01	WW_32	2008-01-14		Nitrogen, Nitrate + Nitrite	0.853	mg/L	
HCCD-01	WW_32	2007-10-08		Nitrogen, Nitrate + Nitrite	0.251	mg/L	
HCCD-01	WW_32	2006-05-08		Nitrogen, Nitrate + Nitrite	0.458	mg/L	
HCCD-01	WW_32	2009-06-08		Nitrogen, Nitrate + Nitrite	0.528	mg/L	
HCCD-01	WW_32	2009-10-12		Nitrogen, Nitrate + Nitrite	0.297	mg/L	
HCCD-01	WW_32	2009-09-14		Nitrogen, Nitrate + Nitrite	0.332	mg/L	
HCCD-01	WW_32	2002-08-12		Nitrogen, Nitrate + Nitrite	0.123	mg/L	
HCCD-01	WW_32	2002-10-14		Nitrogen, Nitrate + Nitrite	0.399	mg/L	
HCCD-01	WW_32	2003-10-13		Nitrogen, Nitrate + Nitrite	3.125	mg/L	
HCCD-01	WW_32	2001-05-14		Nitrogen, Nitrate + Nitrite	0.543	mg/L	
HCCD-01	WW_32	2002-09-09		Nitrogen, Nitrate + Nitrite	0.334	mg/L	
HCCD-01	WW_32	2003-09-08		Nitrogen, Nitrate + Nitrite	2.713	mg/L	
HCCD-01	WW_32	2001-07-09		Nitrogen, Nitrate + Nitrite	0.461	mg/L	
HCCD-01	WW_32	2004-03-08		Nitrogen, Nitrate + Nitrite	1.071	mg/L	
HCCD-01	WW_32	2003-12-08		Nitrogen, Nitrate + Nitrite	0.548	mg/L	
HCCD-01	WW_32	2002-05-13		Nitrogen, Nitrate + Nitrite	0.59	mg/L	
HCCD-01	WW_32	2002-03-11		Nitrogen, Nitrate + Nitrite	0.778	mg/L	
HCCD-01	WW_32	2001-08-13		Nitrogen, Nitrate + Nitrite	0.342	mg/L	
HCCD-01	WW_32	2002-04-08		Nitrogen, Nitrate + Nitrite	0.655	mg/L	
HCCD-01	WW_32	2002-07-08		Nitrogen, Nitrate + Nitrite	0.305	mg/L	
HCCD-01	WW_32	2001-06-11		Nitrogen, Nitrate + Nitrite	0.512	mg/L	
HCCD-01	WW_32	2004-04-12		Nitrogen, Nitrate + Nitrite	0.089	mg/L	
HCCD-01	WW_32	2001-09-10		Nitrogen, Nitrate + Nitrite	0.415	mg/L	
HCCD-01	WW_32	2003-11-10		Nitrogen, Nitrate + Nitrite	0.461	mg/L	
HCCD-01	WW_32	2002-06-10		Nitrogen, Nitrate + Nitrite	0.454	mg/L	
HCCD-01	WW_32	2002-02-11		Nitrogen, Nitrate + Nitrite	0.775	mg/L	
HCCD-01	WW_32	2001-02-13		Nitrogen, Nitrate + Nitrite	1.024	mg/L	
HCCD-01	WW_32	2002-11-12		Nitrogen, Nitrate + Nitrite	0.18	mg/L	
HCCD-01	WW_32	2003-05-12		Nitrogen, Nitrate + Nitrite	0.849	mg/L	
HCCD-01	WW_32	2001-04-09		Nitrogen, Nitrate + Nitrite	0.419	mg/L	
HCCD-01	WW_32	2004-05-10		Nitrogen, Nitrate + Nitrite	0.316	mg/L	
HCCD-01	WW_32	2003-07-14		Nitrogen, Nitrate + Nitrite	0.436	mg/L	
HCCD-01	WW_32	2001-03-12		Nitrogen, Nitrate + Nitrite	0.431	mg/L	
HCCD-01	WW_32	2001-12-10		Nitrogen, Nitrate + Nitrite	0.485	mg/L	
HCCD-01	WW_32	2003-06-09		Nitrogen, Nitrate + Nitrite	0.536	mg/L	
HCCD-01	WW_32	2003-04-14		Nitrogen, Nitrate + Nitrite	0.369	mg/L	
HCCD-01	WW_32	2003-08-11		Nitrogen, Nitrate + Nitrite	0.557	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2001-11-13		Nitrogen, Nitrate + Nitrite	0.219	mg/L	
HCCD-01	WW_32	2001-10-08		Nitrogen, Nitrate + Nitrite	0.247	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Nitrogen, Nitrate + Nitrite	8.7	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Nitrogen, Nitrate + Nitrite	1.5	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Nitrogen, Nitrate + Nitrite	7.1	mg/L	
HCCD-09	WW_105	2012-04-09		Nitrogen, Nitrate + Nitrite	8.023	mg/L	
HCCD-09	WW_105	2011-05-09		Nitrogen, Nitrate + Nitrite	6.063	mg/L	
HCCD-09	WW_105	2011-01-10		Nitrogen, Nitrate + Nitrite	12.632	mg/L	
HCCD-09	WW_105	2011-09-12		Nitrogen, Nitrate + Nitrite	14.18	mg/L	
HCCD-09	WW_105	2010-10-11		Nitrogen, Nitrate + Nitrite	10.619	mg/L	
HCCD-09	WW_105	2011-12-12		Nitrogen, Nitrate + Nitrite	3.127	mg/L	
HCCD-09	WW_105	2010-12-13		Nitrogen, Nitrate + Nitrite	4.465	mg/L	
HCCD-09	WW_105	2012-05-14		Nitrogen, Nitrate + Nitrite	8.745	mg/L	
HCCD-09	WW_105	2011-08-08		Nitrogen, Nitrate + Nitrite	0.637	mg/L	
HCCD-09	WW_105	2011-02-14		Nitrogen, Nitrate + Nitrite	13.875	mg/L	
HCCD-09	WW_105	2011-10-10		Nitrogen, Nitrate + Nitrite	8.407	mg/L	
HCCD-09	WW_105	2010-11-08		Nitrogen, Nitrate + Nitrite	13.452	mg/L	
HCCD-09	WW_105	2011-06-13		Nitrogen, Nitrate + Nitrite	3.636	mg/L	
HCCD-09	WW_105	2011-03-14		Nitrogen, Nitrate + Nitrite	3.864	mg/L	
HCCD-09	WW_105	2012-07-16		Nitrogen, Nitrate + Nitrite	7.661	mg/L	
HCCD-09	WW_105	2012-02-14		Nitrogen, Nitrate + Nitrite	4.472	mg/L	
HCCD-09	WW_105	2011-04-11		Nitrogen, Nitrate + Nitrite	3.433	mg/L	
HCCD-09	WW_105	2011-11-14		Nitrogen, Nitrate + Nitrite	4.418	mg/L	
HCCD-09	WW_105	2012-03-12		Nitrogen, Nitrate + Nitrite	6.369	mg/L	
HCCD-09	WW_105	2012-01-17		Nitrogen, Nitrate + Nitrite	5.771	mg/L	
HCCD-09	WW_105	2012-06-11		Nitrogen, Nitrate + Nitrite	12.004	mg/L	
HCCD-09	WW_105	2011-07-11		Nitrogen, Nitrate + Nitrite	9.469	mg/L	
HCCD-09	WW_105	2002-09-09		Nitrogen, Nitrate + Nitrite	5.361	mg/L	
HCCD-09	WW_105	2001-06-11		Nitrogen, Nitrate + Nitrite	3.074	mg/L	
HCCD-09	WW_105	2005-09-12		Nitrogen, Nitrate + Nitrite	10.787	mg/L	
HCCD-09	WW_105	2005-03-14		Nitrogen, Nitrate + Nitrite	4.486	mg/L	
HCCD-09	WW_105	2002-06-10		Nitrogen, Nitrate + Nitrite	2.223	mg/L	
HCCD-09	WW_105	2002-05-13		Nitrogen, Nitrate + Nitrite	1.225	mg/L	
HCCD-09	WW_105	2003-12-08		Nitrogen, Nitrate + Nitrite	4.863	mg/L	
HCCD-09	WW_105	2001-07-09		Nitrogen, Nitrate + Nitrite	1.942	mg/L	
HCCD-09	WW_105	2002-08-12		Nitrogen, Nitrate + Nitrite	10.144	mg/L	
HCCD-09	WW_105	2003-10-13		Nitrogen, Nitrate + Nitrite	6.623	mg/L	
HCCD-09	WW_105	2002-07-08		Nitrogen, Nitrate + Nitrite	7.129	mg/L	
HCCD-09	WW_105	2004-09-13		Nitrogen, Nitrate + Nitrite	9.562	mg/L	
HCCD-09	WW_105	2003-02-10		Nitrogen, Nitrate + Nitrite	9.108	mg/L	
HCCD-09	WW_105	2003-03-10		Nitrogen, Nitrate + Nitrite	11.24	mg/L	
HCCD-09	WW_105	2005-05-09		Nitrogen, Nitrate + Nitrite	11.151	mg/L	
HCCD-09	WW_105	2005-04-11		Nitrogen, Nitrate + Nitrite	10.478	mg/L	
HCCD-09	WW_105	2003-01-13		Nitrogen, Nitrate + Nitrite	10.062	mg/L	
HCCD-09	WW_105	2001-03-12		Nitrogen, Nitrate + Nitrite	5.13	mg/L	
HCCD-09	WW_105	2003-05-12		Nitrogen, Nitrate + Nitrite	2.256	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2004-12-13		Nitrogen, Nitrate + Nitrite	3.013	mg/L	
HCCD-09	WW_105	2003-06-09		Nitrogen, Nitrate + Nitrite	4.788	mg/L	
HCCD-09	WW_105	2003-04-14		Nitrogen, Nitrate + Nitrite	3.772	mg/L	
HCCD-09	WW_105	2003-11-10		Nitrogen, Nitrate + Nitrite	2.745	mg/L	
HCCD-09	WW_105	2002-10-14		Nitrogen, Nitrate + Nitrite	6.064	mg/L	
HCCD-09	WW_105	2001-05-14		Nitrogen, Nitrate + Nitrite	2.457	mg/L	
HCCD-09	WW_105	2003-08-11		Nitrogen, Nitrate + Nitrite	6.268	mg/L	
HCCD-09	WW_105	2003-09-08		Nitrogen, Nitrate + Nitrite	12.3	mg/L	
HCCD-09	WW_105	2004-10-11		Nitrogen, Nitrate + Nitrite	6.339	mg/L	
HCCD-09	WW_105	2004-11-08		Nitrogen, Nitrate + Nitrite	4.889	mg/L	
HCCD-09	WW_105	2003-07-14		Nitrogen, Nitrate + Nitrite	3.065	mg/L	
HCCD-09	WW_105	2001-04-09		Nitrogen, Nitrate + Nitrite	2.889	mg/L	
HCCD-09	WW_105	2002-12-09		Nitrogen, Nitrate + Nitrite	9.087	mg/L	
HCCD-09	WW_105	2002-11-12		Nitrogen, Nitrate + Nitrite	10.873	mg/L	
HCCD-09	WW_105	2005-06-13		Nitrogen, Nitrate + Nitrite	5.621	mg/L	
HCCD-09	WW_105	2001-09-10		Nitrogen, Nitrate + Nitrite	4.416	mg/L	
HCCD-09	WW_105	2004-04-12		Nitrogen, Nitrate + Nitrite	6.435	mg/L	
HCCD-09	WW_105	2005-02-14		Nitrogen, Nitrate + Nitrite	3.041	mg/L	
HCCD-09	WW_105	2004-06-14		Nitrogen, Nitrate + Nitrite	1.887	mg/L	
HCCD-09	WW_105	2002-01-14		Nitrogen, Nitrate + Nitrite	7.394	mg/L	
HCCD-09	WW_105	2004-01-12		Nitrogen, Nitrate + Nitrite	8.321	mg/L	
HCCD-09	WW_105	2002-02-11		Nitrogen, Nitrate + Nitrite	3.281	mg/L	
HCCD-09	WW_105	2004-02-09		Nitrogen, Nitrate + Nitrite	7.076	mg/L	
HCCD-09	WW_105	2001-10-08		Nitrogen, Nitrate + Nitrite	3.986	mg/L	
HCCD-09	WW_105	2005-01-10		Nitrogen, Nitrate + Nitrite	4.499	mg/L	
HCCD-09	WW_105	2004-07-12		Nitrogen, Nitrate + Nitrite	2.082	mg/L	
HCCD-09	WW_105	2004-08-09		Nitrogen, Nitrate + Nitrite	5.088	mg/L	
HCCD-09	WW_105	2004-05-10		Nitrogen, Nitrate + Nitrite	11.149	mg/L	
HCCD-09	WW_105	2001-12-10		Nitrogen, Nitrate + Nitrite	5.274	mg/L	
HCCD-09	WW_105	2005-08-08		Nitrogen, Nitrate + Nitrite	10.009	mg/L	
HCCD-09	WW_105	2004-03-08		Nitrogen, Nitrate + Nitrite	3.096	mg/L	
HCCD-09	WW_105	2001-11-13		Nitrogen, Nitrate + Nitrite	5.977	mg/L	
HCCD-09	WW_105	2001-08-13		Nitrogen, Nitrate + Nitrite	3.544	mg/L	
HCCD-09	WW_105	2002-04-08		Nitrogen, Nitrate + Nitrite	4.957	mg/L	
HCCD-09	WW_105	2002-03-11		Nitrogen, Nitrate + Nitrite	2.231	mg/L	
HCCD-09	WW_105	2005-07-11		Nitrogen, Nitrate + Nitrite	7.235	mg/L	
HCCD-09	WW_105	2007-09-10		Nitrogen, Nitrate + Nitrite	4.674	mg/L	
HCCD-09	WW_105	2006-12-11		Nitrogen, Nitrate + Nitrite	4.471	mg/L	
HCCD-09	WW_105	2007-10-08		Nitrogen, Nitrate + Nitrite	8.15	mg/L	
HCCD-09	WW_105	2008-10-13		Nitrogen, Nitrate + Nitrite	6.646	mg/L	
HCCD-09	WW_105	2008-03-10		Nitrogen, Nitrate + Nitrite	2.278	mg/L	
HCCD-09	WW_105	2007-05-14		Nitrogen, Nitrate + Nitrite	5.057	mg/L	
HCCD-09	WW_105	2008-07-14		Nitrogen, Nitrate + Nitrite	1.906	mg/L	
HCCD-09	WW_105	2006-10-09		Nitrogen, Nitrate + Nitrite	3.394	mg/L	
HCCD-09	WW_105	2008-02-11		Nitrogen, Nitrate + Nitrite	3.985	mg/L	
HCCD-09	WW_105	2007-01-08		Nitrogen, Nitrate + Nitrite	5.29	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2007-12-10		Nitrogen, Nitrate + Nitrite	7.191	mg/L	
HCCD-09	WW_105	2007-07-09		Nitrogen, Nitrate + Nitrite	6.855	mg/L	
HCCD-09	WW_105	2007-03-12		Nitrogen, Nitrate + Nitrite	2.12	mg/L	
HCCD-09	WW_105	2008-08-11		Nitrogen, Nitrate + Nitrite	10.502	mg/L	
HCCD-09	WW_105	2007-08-13		Nitrogen, Nitrate + Nitrite	1.381	mg/L	
HCCD-09	WW_105	2008-05-12		Nitrogen, Nitrate + Nitrite	1.258	mg/L	
HCCD-09	WW_105	2007-11-13		Nitrogen, Nitrate + Nitrite	12.248	mg/L	
HCCD-09	WW_105	2008-04-14		Nitrogen, Nitrate + Nitrite	1.939	mg/L	
HCCD-09	WW_105	2008-06-09		Nitrogen, Nitrate + Nitrite	1.264	mg/L	
HCCD-09	WW_105	2008-09-08		Nitrogen, Nitrate + Nitrite	2.753	mg/L	
HCCD-09	WW_105	2008-01-14		Nitrogen, Nitrate + Nitrite	3.183	mg/L	
HCCD-09	WW_105	2007-04-09		Nitrogen, Nitrate + Nitrite	3.622	mg/L	
HCCD-09	WW_105	2007-06-11		Nitrogen, Nitrate + Nitrite	4.75	mg/L	
HCCD-09	WW_105	2006-09-11		Nitrogen, Nitrate + Nitrite	5.436	mg/L	
HCCD-09	WW_105	2006-11-13		Nitrogen, Nitrate + Nitrite	2.664	mg/L	
HCCD-09	WW_105	2009-04-13		Nitrogen, Nitrate + Nitrite	5.981	mg/L	
HCCD-09	WW_105	2010-05-10		Nitrogen, Nitrate + Nitrite	4.646	mg/L	
HCCD-09	WW_105	2006-05-08		Nitrogen, Nitrate + Nitrite	5.888	mg/L	
HCCD-09	WW_105	2010-03-08		Nitrogen, Nitrate + Nitrite	5.267	mg/L	
HCCD-09	WW_105	2009-05-11		Nitrogen, Nitrate + Nitrite	3.726	mg/L	
HCCD-09	WW_105	2010-04-12		Nitrogen, Nitrate + Nitrite	5.599	mg/L	
HCCD-09	WW_105	2006-01-09		Nitrogen, Nitrate + Nitrite	4.052	mg/L	
HCCD-09	WW_105	2009-02-09		Nitrogen, Nitrate + Nitrite	2.588	mg/L	
HCCD-09	WW_105	2010-07-12		Nitrogen, Nitrate + Nitrite	7.106	mg/L	
HCCD-09	WW_105	2009-03-09		Nitrogen, Nitrate + Nitrite	1.09	mg/L	
HCCD-09	WW_105	2005-12-12		Nitrogen, Nitrate + Nitrite	8.056	mg/L	
HCCD-09	WW_105	2010-06-14		Nitrogen, Nitrate + Nitrite	7.26	mg/L	
HCCD-09	WW_105	2006-06-12		Nitrogen, Nitrate + Nitrite	3.827	mg/L	
HCCD-09	WW_105	2009-11-09		Nitrogen, Nitrate + Nitrite	5.306	mg/L	
HCCD-09	WW_105	2009-08-10		Nitrogen, Nitrate + Nitrite	6.148	mg/L	
HCCD-09	WW_105	2009-10-12		Nitrogen, Nitrate + Nitrite	5.898	mg/L	
HCCD-09	WW_105	2009-09-14		Nitrogen, Nitrate + Nitrite	8.83	mg/L	
HCCD-09	WW_105	2006-03-13		Nitrogen, Nitrate + Nitrite	5.872	mg/L	
HCCD-09	WW_105	2010-02-08		Nitrogen, Nitrate + Nitrite	9.409	mg/L	
HCCD-09	WW_105	2009-06-08		Nitrogen, Nitrate + Nitrite	4.942	mg/L	
HCCD-09	WW_105	2006-04-10		Nitrogen, Nitrate + Nitrite	5.025	mg/L	
HCCD-09	WW_105	2006-02-14		Nitrogen, Nitrate + Nitrite	5.825	mg/L	
HCCD-09	WW_105	2009-12-14		Nitrogen, Nitrate + Nitrite	4.712	mg/L	
HCCD-09	WW_105	2010-01-11		Nitrogen, Nitrate + Nitrite	4.688	mg/L	
HCCD-09	WW_105	2009-07-13		Nitrogen, Nitrate + Nitrite	6.449	mg/L	
HCCD-09	WW_105	2006-08-14		Nitrogen, Nitrate + Nitrite	9.898	mg/L	
HCCD-09	WW_105	2005-11-14		Nitrogen, Nitrate + Nitrite	8.512	mg/L	
HCCD-09	WW_105	2006-07-10		Nitrogen, Nitrate + Nitrite	7.563	mg/L	
HCCD-09	WW_105	2010-08-09		Nitrogen, Nitrate + Nitrite	4.915	mg/L	
HCCD-09	WW_105	2009-01-12		Nitrogen, Nitrate + Nitrite	6.138	mg/L	
HCCD-09	WW_105	2008-12-08		Nitrogen, Nitrate + Nitrite	6.483	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2005-10-10		Nitrogen, Nitrate + Nitrite	0.067	mg/L	
HCCD-09	WW_105	2008-11-10		Nitrogen, Nitrate + Nitrite	6.166	mg/L	
HCCD-09	WW_105	2010-09-13		Nitrogen, Nitrate + Nitrite	7.375	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Nitrogen, Nitrate + Nitrite as N	6.3	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Nitrogen, Nitrate + Nitrite as N	0.903	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Nitrogen, Nitrate + Nitrite as N	4.31	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Nitrogen, Nitrate + Nitrite as N	2.16	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Nitrogen, Nitrate + Nitrite as N	1.8	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Nitrogen, Nitrate + Nitrite as N	7.82	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Nitrogen, Nitrate + Nitrite as N	3.85	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Nitrogen, Nitrate + Nitrite as N	1.31	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Nitrogen, Nitrate + Nitrite as N	3	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Nitrogen, Nitrate + Nitrite as N	4.3	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Nitrogen, Nitrate + Nitrite as N	4.03	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Nitrogen, Nitrate + Nitrite as N	2.72	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Nitrogen, Nitrate + Nitrite as N	5.6	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Nitrogen, Nitrate + Nitrite as N	0.983	mg/L	
HCC-07	HCC-07	2004-11-23	11:45	Nitrogen, Nitrate + Nitrite as N	2.04	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Nitrogen, Nitrate + Nitrite as N	1.17	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Nitrogen, Nitrate + Nitrite as N	1.36	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Nitrogen, Nitrate + Nitrite as N	4	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Nitrogen, Nitrate + Nitrite as N	0.699	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Nitrogen, Nitrate + Nitrite as N	5.44	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Nitrogen, Nitrate + Nitrite as N	5.4	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Nitrogen, Nitrate + Nitrite as N	1.89	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Nitrogen, Nitrate + Nitrite as N	3.54	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Nitrogen, Nitrate + Nitrite as N	5.35	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Nitrogen, Nitrate + Nitrite as N	2.26	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Nitrogen, Nitrate + Nitrite as N	1.22	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Nitrogen, Nitrate + Nitrite as N	3.74	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Nitrogen, Nitrate + Nitrite as N	5.84	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Nitrogen, Nitrate + Nitrite as N	4.28	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Nitrogen, Nitrate + Nitrite as N	3.61	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Nitrogen, Nitrate + Nitrite as N	4.03	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Nitrogen, Nitrate + Nitrite as N	2.53	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Nitrogen, Nitrate + Nitrite as N	1.1	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Nitrogen, Nitrate + Nitrite as N	1.12	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Nitrogen, Nitrate + Nitrite as N	4.54	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Nitrogen, Nitrate + Nitrite as N	3.44	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Nitrogen, Nitrate + Nitrite as N	3.75	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Nitrogen, Nitrate + Nitrite as N	8.88	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Nitrogen, Nitrate + Nitrite as N	2.57	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Nitrogen, Nitrate + Nitrite as N	9.35	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Nitrogen, Nitrate + Nitrite as N	2.64	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Nitrogen, Nitrate + Nitrite as N	6.86	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Nitrogen, Nitrate + Nitrite as N	4.74	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2013-05-20	13:10	Nitrogen, Nitrate + Nitrite as N	5.63	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Nitrogen, Nitrate + Nitrite as N	1.74	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Nitrogen, Nitrate + Nitrite as N	1.17	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Nitrogen, Nitrate + Nitrite as N	7.59	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Nitrogen, Nitrate + Nitrite as N	2.75	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Nitrogen, Nitrate + Nitrite as N	1.08	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Nitrogen, Nitrate + Nitrite as N	4.35	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Nitrogen, Nitrate + Nitrite as N	5.95	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Nitrogen, Nitrate + Nitrite as N	3.5	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Nitrogen, Nitrate + Nitrite as N	3.44	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Nitrogen, Nitrate + Nitrite as N	7.29	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Nitrogen, Nitrate + Nitrite as N	4.27	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Nitrogen, Nitrate + Nitrite as N	7.18	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Nitrogen, Nitrate + Nitrite as N	1.5	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Nitrogen, Nitrate + Nitrite as N	2.69	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Nitrogen, Nitrate + Nitrite as N	5.48	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Nitrogen, Nitrate + Nitrite as N	3.62	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Nitrogen, Nitrate + Nitrite as N	2.47	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Nitrogen, Nitrate + Nitrite as N	4.76	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Nitrogen, Nitrate + Nitrite as N	1.55	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Nitrogen, Nitrate + Nitrite as N	1.41	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Nitrogen, Nitrate + Nitrite as N	1.23	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Nitrogen, Nitrate + Nitrite as N	3.53	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Nitrogen, Nitrate + Nitrite as N	3.83	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Nitrogen, Nitrate + Nitrite as N	4.71	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Nitrogen, Nitrate + Nitrite as N	3.71	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Nitrogen, Nitrate + Nitrite as N	11.4	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Nitrogen, Nitrate + Nitrite as N	5.71	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Nitrogen, Nitrate + Nitrite as N	8.04	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Nitrogen, Nitrate + Nitrite as N	8.84	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Nitrogen, Nitrate + Nitrite as N	7.32	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Nitrogen, Nitrate + Nitrite as N	4.9	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Nitrogen, Nitrate + Nitrite as N	6.53	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Nitrogen, Nitrate + Nitrite as N	3.45	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Nitrogen, Nitrate + Nitrite as N	3.87	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Nitrogen, Nitrate + Nitrite as N	6.83	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Nitrogen, Nitrate + Nitrite as N	2.1	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Nitrogen, Nitrate + Nitrite as N	7.2	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Nitrogen, Nitrate + Nitrite as N	3.56	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Nitrogen, Nitrate + Nitrite as N	4.3	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Nitrogen, Nitrate + Nitrite as N	8.6	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Nitrogen, Nitrate + Nitrite as N	3.33	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Nitrogen, Nitrate + Nitrite as N	10.6	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Nitrogen, Nitrate + Nitrite as N	1.85	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Nitrogen, Nitrate + Nitrite as N	7.77	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Nitrogen, Nitrate + Nitrite as N	4.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	HCCB-13	2011-08-29	15:33	Nitrogen, Nitrate + Nitrite as N	12.3	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Nitrogen, Nitrate + Nitrite as N	2.49	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Nitrogen, Nitrate + Nitrite as N	8.03	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Nitrogen, Nitrate + Nitrite as N	9.8	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Nitrogen, Nitrate + Nitrite as N	8	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Nitrogen, Nitrate + Nitrite as N	15.8	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Nitrogen, Nitrate + Nitrite as N	0.205	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Nitrogen, Nitrate + Nitrite as N	0.324	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Nitrogen, Nitrate + Nitrite as N	0.671	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Nitrogen, Nitrate + Nitrite as N	0.421	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Nitrogen, Nitrate + Nitrite as N	0.161	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Nitrogen, Nitrate + Nitrite as N	0.502	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Nitrogen, Nitrate + Nitrite as N	0.328	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Nitrogen, Nitrate + Nitrite as N	0.098	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Nitrogen, Nitrate + Nitrite as N	0.653	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Nitrogen, Nitrate + Nitrite as N	0.095	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Nitrogen, Nitrate + Nitrite as N	0.269	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Nitrogen, Nitrate + Nitrite as N	0.279	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Nitrogen, Nitrate + Nitrite as N	0.32	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Nitrogen, Nitrate + Nitrite as N	0.301	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Nitrogen, Nitrate + Nitrite as N	0.177	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Nitrogen, Nitrate + Nitrite as N	0.295	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Nitrogen, Nitrate + Nitrite as N	0.345	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Nitrogen, Nitrate + Nitrite as N	0.031	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Nitrogen, Nitrate + Nitrite as N	0.504	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Nitrogen, Nitrate + Nitrite as N	0.301	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Nitrogen, Nitrate + Nitrite as N	0.134	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Nitrogen, Nitrate + Nitrite as N	0.147	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Nitrogen, Nitrate + Nitrite as N	0.347	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Nitrogen, Nitrate + Nitrite as N	0.259	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Nitrogen, Nitrate + Nitrite as N	0.431	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Nitrogen, Nitrate + Nitrite as N	0.261	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Nitrogen, Nitrate + Nitrite as N	0.516	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Nitrogen, Nitrate + Nitrite as N	0.422	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Nitrogen, Nitrate + Nitrite as N	0.269	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Nitrogen, Nitrate + Nitrite as N	0.1	mg/L	
HCCC-02	HCCC-02	2003-03-10	12:55	Nitrogen, Nitrate + Nitrite as N	0.194	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Nitrogen, Nitrate + Nitrite as N	0.18	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Nitrogen, Nitrate + Nitrite as N	0.085	mg/L	
HCCC-02	HCCC-02	2004-11-23	10:45	Nitrogen, Nitrate + Nitrite as N	0.3	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Nitrogen, Nitrate + Nitrite as N	0.18	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Nitrogen, Nitrate + Nitrite as N	0.75	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Nitrogen, Nitrate + Nitrite as N	0.11	mg/L	
HCCC-02	HCCC-02	2004-08-04	11:15	Nitrogen, Nitrate + Nitrite as N	0.62	mg/L	
HCCC-02	HCCC-02	2004-06-21	11:00	Nitrogen, Nitrate + Nitrite as N	0.52	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Nitrogen, Nitrate + Nitrite as N	0.37	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2006-04-05	9:16	Nitrogen, Nitrate + Nitrite as N	0.45	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Nitrogen, Nitrate + Nitrite as N	1	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Nitrogen, Nitrate + Nitrite as N	0.232	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Nitrogen, Nitrate + Nitrite as N	0.187	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Nitrogen, Nitrate + Nitrite as N	0.238	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Nitrogen, Nitrate + Nitrite as N	0.251	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Nitrogen, Nitrate + Nitrite as N	0.42	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Nitrogen, Nitrate + Nitrite as N	0.742	mg/L	
HCCC-02	HCCC-02	2005-03-03	10:00	Nitrogen, Nitrate + Nitrite as N	0.53	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Nitrogen, Nitrate + Nitrite as N	0.28	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Nitrogen, Nitrate + Nitrite as N	0.247	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Nitrogen, Nitrate + Nitrite as N	0.48	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Nitrogen, Nitrate + Nitrite as N	0.282	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Nitrogen, Nitrate + Nitrite as N	0.384	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Nitrogen, Nitrate + Nitrite as N	0.498	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Nitrogen, Nitrate + Nitrite as N	0.37	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Nitrogen, Nitrate + Nitrite as N	0.229	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Nitrogen, Nitrate + Nitrite as N	0.288	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Nitrogen, Nitrate + Nitrite as N	0.272	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Nitrogen, Nitrate + Nitrite as N	0.303	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Nitrogen, Nitrate + Nitrite as N	0.442	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Nitrogen, Nitrate + Nitrite as N	0.159	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Nitrogen, Nitrate + Nitrite as N	0.397	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Nitrogen, Nitrate + Nitrite as N	0.261	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Nitrogen, Nitrate + Nitrite as N	0.115	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Nitrogen, Nitrate + Nitrite as N	0.167	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Nitrogen, Nitrate + Nitrite as N	0.149	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Nitrogen, Nitrate + Nitrite as N	0.291	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Nitrogen, Nitrate + Nitrite as N	0.342	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Nitrogen, Nitrate + Nitrite as N	0.501	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Nitrogen, Nitrate + Nitrite as N	0.233	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Nitrogen, Nitrate + Nitrite as N	0.237	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Nitrogen, Nitrate + Nitrite as N	0.225	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Nitrogen, Nitrate + Nitrite as N	0.188	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Nitrogen, Nitrate + Nitrite as N	0.074	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Nitrogen, Nitrate + Nitrite as N	0.414	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Nitrogen, Nitrate + Nitrite as N	0.323	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Nitrogen, Nitrate + Nitrite as N	0.372	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Nitrogen, Nitrate + Nitrite as N	0.162	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Nitrogen, Nitrate + Nitrite as N	0.027	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Nitrogen, Nitrate + Nitrite as N	0.191	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Nitrogen, Nitrate + Nitrite as N	0.124	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Nitrogen, Nitrate + Nitrite as N	0.22	mg/L	
HCCC-02	HCCC-06	2011-06-29	8:15	Nitrogen, Nitrate + Nitrite as N	0.159	mg/L	
HCCC-02	HCCC-06	2011-08-29	16:50	Nitrogen, Nitrate + Nitrite as N	0.11	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Nitrogen, Nitrate + Nitrite as N	0.082	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-06	2011-06-20	12:15	Nitrogen, Nitrate + Nitrite as N	0.12	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Nitrogen, Nitrate + Nitrite as N	0.122	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Nitrogen, Nitrate + Nitrite as N	0.319	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Nitrogen, Nitrate + Nitrite as N	4.5	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Nitrogen, Nitrate + Nitrite as N	5.7	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Nitrogen, Nitrate + Nitrite as N	5.92	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Nitrogen, Nitrate + Nitrite as N	0.561	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Nitrogen, Nitrate + Nitrite as N	7.1	mg/L	
HCCC-04	HCCC-08	2011-08-29	12:13	Nitrogen, Nitrate + Nitrite as N	1.68	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Nitrogen, Nitrate + Nitrite as N	8.19	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Nitrogen, Nitrate + Nitrite as N	0.672	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Nitrogen, Nitrate + Nitrite as N	5.15	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Nitrogen, Nitrate + Nitrite as N	2.32	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Nitrogen, Nitrate + Nitrite as N	10	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Nitrogen, Nitrate + Nitrite as N	6.4	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Nitrogen, Nitrate + Nitrite as N	5.77	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Nitrogen, Nitrate + Nitrite as N	9.24	mg/L	
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	3 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Nitrate + Nitrite as N	0.21	mg/L	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Nitrate + Nitrite as N	0.726	mg/L	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	8 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Nitrate + Nitrite as N	0.726	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	4 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Nitrate + Nitrite as N	0.21	mg/L	1.5 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Nitrogen, Nitrate + Nitrite as N	0.421	mg/L	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Nitrogen, Nitrate + Nitrite as N	0.349	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Nitrogen, Nitrate + Nitrite as N	0.431	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Nitrogen, Nitrate + Nitrite as N	0.737	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2003-08-02	12:44	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Nitrate + Nitrite as N	0.017	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Nitrate + Nitrite as N	0.017	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Nitrogen, Nitrate + Nitrite as N	0.023	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Nitrogen, Nitrate + Nitrite as N	0.113	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Nitrogen, Nitrate + Nitrite as N	0.292	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Nitrogen, Nitrate + Nitrite as N	0.331	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Nitrate + Nitrite as N	0.53	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Nitrogen, Nitrate + Nitrite as N	0.817	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Nitrate + Nitrite as N	0.91	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Nitrate + Nitrite as N	0.847	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Nitrogen, Nitrate + Nitrite as N	1.96	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Nitrate + Nitrite as N	0.09	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Nitrate + Nitrite as N	0.09	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Nitrate + Nitrite as N	0.53	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Nitrogen, Nitrate + Nitrite as N	0.772	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Nitrogen, Nitrate + Nitrite as N	0.416	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Nitrogen, Nitrate + Nitrite as N	2.78	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Nitrate + Nitrite as N	0.91	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Nitrate + Nitrite as N	0.847	mg/L	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	14 ft
RHJA	RHJA-1	2004-08-12	9:47	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-1	2004-08-12	9:42	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-1	2004-12-09	9:46	Nitrogen, Nitrate + Nitrite as N	0.06	mg/L	12 ft
RHJA	RHJA-1	2004-12-09	9:42	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	1 ft
RHJA	RHJA-1	2005-01-26	10:15	Nitrogen, Nitrate + Nitrite as N	0.29	mg/L	12 ft
RHJA	RHJA-1	2005-01-26	10:00	Nitrogen, Nitrate + Nitrite as N	0.32	mg/L	1 ft
RHJA	RHJA-1	2005-02-16	10:48	Nitrogen, Nitrate + Nitrite as N	0.31	mg/L	11 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2005-02-16	10:45	Nitrogen, Nitrate + Nitrite as N	0.38	mg/L	1 ft
RHJA	RHJA-1	2005-03-23	9:34	Nitrogen, Nitrate + Nitrite as N	0.33	mg/L	12 ft
RHJA	RHJA-1	2005-03-23	9:28	Nitrogen, Nitrate + Nitrite as N	0.34	mg/L	1 ft
RHJA	RHJA-1	2005-04-05	10:26	Nitrogen, Nitrate + Nitrite as N	0.27	mg/L	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Nitrogen, Nitrate + Nitrite as N	0.25	mg/L	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:44	Nitrogen, Nitrate + Nitrite as N	0.03	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-1	2005-09-15	10:01	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-1	2005-10-12	10:25	Nitrogen, Nitrate + Nitrite as N	0.002	mg/L	12 ft
RHJA	RHJA-1	2005-11-15	9:45	Nitrogen, Nitrate + Nitrite as N	0.0007	mg/L	1 ft
RHJA	RHJA-1	2005-12-21	10:13	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	12 ft
RHJA	RHJA-1	2005-12-21	10:10	Nitrogen, Nitrate + Nitrite as N	0.03	mg/L	1 ft
RHJA	RHJA-2	2004-07-28	12:04	Nitrogen, Nitrate + Nitrite as N	0.19	mg/L	16 ft
RHJA	RHJA-2	2004-08-12	10:50	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	16 ft
RHJA	RHJA-2	2004-08-12	10:45	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-2	2004-10-13	10:45	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	16 ft
RHJA	RHJA-2	2004-10-13	10:42	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	1 ft
RHJA	RHJA-2	2004-11-01	11:23	Nitrogen, Nitrate + Nitrite as N	0.08	mg/L	16 ft
RHJA	RHJA-2	2004-11-01	11:18	Nitrogen, Nitrate + Nitrite as N	0.08	mg/L	1 ft
RHJA	RHJA-2	2004-12-09	10:34	Nitrogen, Nitrate + Nitrite as N	0.27	mg/L	18 ft
RHJA	RHJA-2	2004-12-09	10:30	Nitrogen, Nitrate + Nitrite as N	0.26	mg/L	1 ft
RHJA	RHJA-2	2005-01-26	11:01	Nitrogen, Nitrate + Nitrite as N	0.74	mg/L	16 ft
RHJA	RHJA-2	2005-01-26	11:00	Nitrogen, Nitrate + Nitrite as N	0.52	mg/L	1 ft
RHJA	RHJA-2	2005-02-16	11:36	Nitrogen, Nitrate + Nitrite as N	0.75	mg/L	15 ft
RHJA	RHJA-2	2005-02-16	11:32	Nitrogen, Nitrate + Nitrite as N	0.66	mg/L	1 ft
RHJA	RHJA-2	2005-03-23	10:28	Nitrogen, Nitrate + Nitrite as N	0.55	mg/L	16 ft
RHJA	RHJA-2	2005-03-23	10:20	Nitrogen, Nitrate + Nitrite as N	0.55	mg/L	1 ft
RHJA	RHJA-2	2005-04-05	11:37	Nitrogen, Nitrate + Nitrite as N	0.45	mg/L	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Nitrogen, Nitrate + Nitrite as N	0.39	mg/L	1 ft
RHJA	RHJA-2	2005-04-20	12:56	Nitrogen, Nitrate + Nitrite as N	0.21	mg/L	16 ft
RHJA	RHJA-2	2005-04-20	12:51	Nitrogen, Nitrate + Nitrite as N	0.1	mg/L	1 ft
RHJA	RHJA-2	2005-05-04	10:57	Nitrogen, Nitrate + Nitrite as N	0.07	mg/L	16 ft
RHJA	RHJA-2	2005-05-04	10:51	Nitrogen, Nitrate + Nitrite as N	0.1	mg/L	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Nitrogen, Nitrate + Nitrite as N	0.07	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:58	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJA	RHJA-2	2005-07-27	10:39	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJA	RHJA-2	2005-09-15	10:55	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	16 ft
RHJA	RHJA-2	2005-09-15	10:50	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-2	2005-10-12	11:25	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	16 ft
RHJA	RHJA-2	2005-10-12	11:19	Nitrogen, Nitrate + Nitrite as N	0.002	mg/L	1 ft
RHJA	RHJA-2	2005-11-15	10:45	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	16 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-11-15	10:40	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	1 ft
RHJA	RHJA-2	2005-12-21	11:30	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	15 ft
RHJA	RHJA-2	2005-12-21	11:25	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	1 ft
RHJA	RHJA-3	2004-07-28	12:40	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-3	2004-08-12	11:15	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	12 ft
RHJA	RHJA-3	2004-08-12	11:10	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJA	RHJA-3	2004-08-24	16:14	Nitrogen, Nitrate + Nitrite as N	0.06	mg/L	12 ft
RHJA	RHJA-3	2004-10-13	11:08	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-3	2004-10-13	11:03	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-3	2004-11-01	11:39	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	12 ft
RHJA	RHJA-3	2004-11-01	11:35	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	1 ft
RHJA	RHJA-3	2004-12-09	11:03	Nitrogen, Nitrate + Nitrite as N	0.12	mg/L	12 ft
RHJA	RHJA-3	2004-12-09	10:58	Nitrogen, Nitrate + Nitrite as N	0.1	mg/L	1 ft
RHJA	RHJA-3	2005-01-26	11:35	Nitrogen, Nitrate + Nitrite as N	0.41	mg/L	12 ft
RHJA	RHJA-3	2005-01-26	11:33	Nitrogen, Nitrate + Nitrite as N	0.39	mg/L	1 ft
RHJA	RHJA-3	2005-03-23	10:55	Nitrogen, Nitrate + Nitrite as N	0.33	mg/L	12 ft
RHJA	RHJA-3	2005-03-23	10:51	Nitrogen, Nitrate + Nitrite as N	0.33	mg/L	1 ft
RHJA	RHJA-3	2005-04-05	12:05	Nitrogen, Nitrate + Nitrite as N	0.21	mg/L	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Nitrogen, Nitrate + Nitrite as N	0.19	mg/L	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	1 ft
RHJA	RHJA-3	2005-04-20	13:25	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:39	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:32	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:30	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	10:58	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	1 ft
RHJA	RHJA-3	2005-09-15	11:19	Nitrogen, Nitrate + Nitrite as N	0.009	mg/L	1 ft
RHJA	RHJA-3	2005-09-15	11:25	Nitrogen, Nitrate + Nitrite as N	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-10-12	11:54	Nitrogen, Nitrate + Nitrite as N	0.009	mg/L	12 ft
RHJA	RHJA-3	2005-11-15	11:05	Nitrogen, Nitrate + Nitrite as N	0.03	mg/L	1 ft
RHJA	RHJA-3	2005-11-15	11:07	Nitrogen, Nitrate + Nitrite as N	0.02	mg/L	12 ft
RHJA	RHJA-3	2005-12-21	11:55	Nitrogen, Nitrate + Nitrite as N	0.04	mg/L	11 ft
RHJA	RHJA-3	2005-12-21	11:50	Nitrogen, Nitrate + Nitrite as N	0.05	mg/L	1 ft
HCC-07	HCC-07	2000-03-01	12:45	Nitrogen, Total Kjeldahl	0.91	mg/L	
HCC-07	HCC-07	2000-01-24	13:15	Nitrogen, Total Kjeldahl	1.2	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Nitrogen, Total Kjeldahl	0.54	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Nitrogen, Total Kjeldahl	0.777	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Nitrogen, Total Kjeldahl	0.88	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Nitrogen, Total Kjeldahl	0.72	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Nitrogen, Total Kjeldahl	1.6	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Nitrogen, Total Kjeldahl	0.66	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Nitrogen, Total Kjeldahl	1.64	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Nitrogen, Total Kjeldahl	2.12	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Nitrogen, Total Kjeldahl	1.09	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Nitrogen, Total Kjeldahl	1.87	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2000-07-11	12:30	Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Nitrogen, Total Kjeldahl	1.31	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Nitrogen, Total Kjeldahl	0.98	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Nitrogen, Total Kjeldahl	0.88	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Nitrogen, Total Kjeldahl	0.85	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Nitrogen, Total Kjeldahl	0.754	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Nitrogen, Total Kjeldahl	1.2	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Nitrogen, Total Kjeldahl	1.4	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Nitrogen, Total Kjeldahl	0.38	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Nitrogen, Total Kjeldahl	0.78	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Nitrogen, Total Kjeldahl	0.716	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Nitrogen, Total Kjeldahl	0.521	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Nitrogen, Total Kjeldahl	0.69	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Nitrogen, Total Kjeldahl	0.837	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Nitrogen, Total Kjeldahl	1.05	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Nitrogen, Total Kjeldahl	0.987	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Nitrogen, Total Kjeldahl	0.66	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Nitrogen, Total Kjeldahl	1.19	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Nitrogen, Total Kjeldahl	0.957	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Nitrogen, Total Kjeldahl	0.601	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Nitrogen, Total Kjeldahl	0.888	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Nitrogen, Total Kjeldahl	0.665	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Nitrogen, Total Kjeldahl	1.31	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Nitrogen, Total Kjeldahl	1.12	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Nitrogen, Total Kjeldahl	0.887	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Nitrogen, Total Kjeldahl	1.45	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Nitrogen, Total Kjeldahl	2.62	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Nitrogen, Total Kjeldahl	1.47	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Nitrogen, Total Kjeldahl	0.785	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Nitrogen, Total Kjeldahl	1.21	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Nitrogen, Total Kjeldahl	0.781	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Nitrogen, Total Kjeldahl	1.01	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Nitrogen, Total Kjeldahl	0.673	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Nitrogen, Total Kjeldahl	0.661	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Nitrogen, Total Kjeldahl	0.685	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Nitrogen, Total Kjeldahl	1.36	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Nitrogen, Total Kjeldahl	0.758	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Nitrogen, Total Kjeldahl	1.54	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Nitrogen, Total Kjeldahl	0.76	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Nitrogen, Total Kjeldahl	0.579	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Nitrogen, Total Kjeldahl	0.791	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Nitrogen, Total Kjeldahl	1.08	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2006-07-11	9:33	Nitrogen, Total Kjeldahl	1.05	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Nitrogen, Total Kjeldahl	0.771	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Nitrogen, Total Kjeldahl	0.63	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Nitrogen, Total Kjeldahl	2.06	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Nitrogen, Total Kjeldahl	0.904	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Nitrogen, Total Kjeldahl	0.911	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Nitrogen, Total Kjeldahl	0.82	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Nitrogen, Total Kjeldahl	1.04	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Nitrogen, Total Kjeldahl	0.671	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Nitrogen, Total Kjeldahl	0.911	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Nitrogen, Total Kjeldahl	0.767	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Nitrogen, Total Kjeldahl	0.506	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Nitrogen, Total Kjeldahl	0.564	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Nitrogen, Total Kjeldahl	0.824	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Nitrogen, Total Kjeldahl	1.66	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Nitrogen, Total Kjeldahl	0.636	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Nitrogen, Total Kjeldahl	0.7	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Nitrogen, Total Kjeldahl	0.761	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Nitrogen, Total Kjeldahl	1.67	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Nitrogen, Total Kjeldahl	2.75	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Nitrogen, Total Kjeldahl	2.91	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Nitrogen, Total Kjeldahl	1.01	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Nitrogen, Total Kjeldahl	1.45	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Nitrogen, Total Kjeldahl	0.536	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Nitrogen, Total Kjeldahl	0.477	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Nitrogen, Total Kjeldahl	0.75	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Nitrogen, Total Kjeldahl	0.91	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Nitrogen, Total Kjeldahl	1.16	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Nitrogen, Total Kjeldahl	0.761	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Nitrogen, Total Kjeldahl	1.5	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Nitrogen, Total Kjeldahl	2.22	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Nitrogen, Total Kjeldahl	0.81	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Nitrogen, Total Kjeldahl	0.957	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Nitrogen, Total Kjeldahl	1.29	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Nitrogen, Total Kjeldahl	1.28	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_34	2012-06-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_34	2011-11-14		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCC-07	WW_34	2011-04-11		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCC-07	WW_34	2012-04-09		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCC-07	WW_34	2011-01-10		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2012-05-14		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_34	2011-07-11		Nitrogen, Total Kjeldahl	2.07	mg/L	
HCC-07	WW_34	2011-12-12		Nitrogen, Total Kjeldahl	0.74	mg/L	
HCC-07	WW_34	2011-08-08		Nitrogen, Total Kjeldahl	1.03	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_34	2011-10-10		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_34	2012-07-16		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCC-07	WW_34	2011-06-13		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCC-07	WW_34	2012-01-17		Nitrogen, Total Kjeldahl	1.5	mg/L	
HCC-07	WW_34	2011-09-12		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2011-05-09		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCC-07	WW_34	2011-03-14		Nitrogen, Total Kjeldahl	0.74	mg/L	
HCC-07	WW_34	2012-02-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_34	2005-01-10		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCC-07	WW_34	2004-09-13		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCC-07	WW_34	2005-04-11		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCC-07	WW_34	2005-08-08		Nitrogen, Total Kjeldahl	0.8	mg/L	
HCC-07	WW_34	2005-02-14		Nitrogen, Total Kjeldahl	1.67	mg/L	
HCC-07	WW_34	2004-12-13		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_34	2004-08-09		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCC-07	WW_34	2005-07-11		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCC-07	WW_34	2004-10-11		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2005-06-13		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCC-07	WW_34	2005-05-09		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCC-07	WW_34	2005-09-12		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCC-07	WW_34	2005-03-14		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCC-07	WW_34	2004-06-14		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCC-07	WW_34	2004-07-12		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCC-07	WW_34	2004-11-08		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCC-07	WW_34	2005-10-10		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCC-07	WW_34	2006-12-11		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_34	2006-08-14		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	WW_34	2006-03-13		Nitrogen, Total Kjeldahl	1.76	mg/L	
HCC-07	WW_34	2007-04-09		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCC-07	WW_34	2006-06-12		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCC-07	WW_34	2006-01-09		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCC-07	WW_34	2006-10-09		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	WW_34	2007-03-12		Nitrogen, Total Kjeldahl	1.83	mg/L	
HCC-07	WW_34	2006-05-08		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCC-07	WW_34	2006-02-14		Nitrogen, Total Kjeldahl	1.8	mg/L	
HCC-07	WW_34	2005-11-14		Nitrogen, Total Kjeldahl	1.63	mg/L	
HCC-07	WW_34	2007-01-08		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCC-07	WW_34	2006-07-10		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCC-07	WW_34	2006-11-13		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCC-07	WW_34	2006-04-10		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCC-07	WW_34	2006-09-11		Nitrogen, Total Kjeldahl	1.61	mg/L	
HCC-07	WW_34	2009-08-10		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCC-07	WW_34	2007-10-08		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2008-04-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_34	2007-11-13		Nitrogen, Total Kjeldahl	1.25	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2009-07-13		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCC-07	WW_34	2008-11-10		Nitrogen, Total Kjeldahl	1	mg/L	
HCC-07	WW_34	2007-09-10		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_34	2008-05-12		Nitrogen, Total Kjeldahl	1.8	mg/L	
HCC-07	WW_34	2009-11-09		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCC-07	WW_34	2009-09-14		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCC-07	WW_34	2009-10-12		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2008-10-13		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCC-07	WW_34	2008-03-10		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCC-07	WW_34	2009-04-13		Nitrogen, Total Kjeldahl	0.83	mg/L	
HCC-07	WW_34	2008-01-14		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCC-07	WW_34	2009-01-12		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCC-07	WW_34	2009-02-09		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_34	2009-03-09		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCC-07	WW_34	2009-06-08		Nitrogen, Total Kjeldahl	1.6	mg/L	
HCC-07	WW_34	2008-12-08		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCC-07	WW_34	2007-12-10		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCC-07	WW_34	2009-05-11		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCC-07	WW_34	2008-08-11		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCC-07	WW_34	2010-07-12		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCC-07	WW_34	2007-06-11		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCC-07	WW_34	2010-06-14		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCC-07	WW_34	2010-05-10		Nitrogen, Total Kjeldahl	1.79	mg/L	
HCC-07	WW_34	2007-07-09		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCC-07	WW_34	2007-05-14		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCC-07	WW_34	2008-07-14		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCC-07	WW_34	2008-06-09		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	WW_34	2010-08-09		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCC-07	WW_34	2007-08-13		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_34	2010-02-08		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCC-07	WW_34	2010-03-08		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_34	2009-12-14		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCC-07	WW_34	2010-01-11		Nitrogen, Total Kjeldahl	4.47	mg/L	
HCC-07	WW_34	2008-09-08		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCC-07	WW_34	2010-04-12		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCC-07	WW_34	2003-06-09		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_34	2002-05-13		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	WW_34	2002-06-10		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_34	2003-11-10		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCC-07	WW_34	2002-02-11		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCC-07	WW_34	2001-03-12		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_34	2003-03-10		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCC-07	WW_34	2001-08-13		Nitrogen, Total Kjeldahl	1.69	mg/L	
HCC-07	WW_34	2004-01-12		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCC-07	WW_34	2002-03-11		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_34	2003-05-12		Nitrogen, Total Kjeldahl	1.03	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2004-02-09		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCC-07	WW_34	2001-01-16		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCC-07	WW_34	2001-10-08		Nitrogen, Total Kjeldahl	1.54	mg/L	
HCC-07	WW_34	2004-03-08		Nitrogen, Total Kjeldahl	0.46	mg/L	
HCC-07	WW_34	2003-12-08		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_34	2003-04-14		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCC-07	WW_34	2002-04-08		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCC-07	WW_34	2001-07-09		Nitrogen, Total Kjeldahl	1.87	mg/L	
HCC-07	WW_34	2001-02-13		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCC-07	WW_34	2001-05-14		Nitrogen, Total Kjeldahl	1.56	mg/L	
HCC-07	WW_34	2002-09-09		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCC-07	WW_34	2002-11-12		Nitrogen, Total Kjeldahl	4.79	mg/L	
HCC-07	WW_34	2003-09-08		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCC-07	WW_34	2001-09-10		Nitrogen, Total Kjeldahl	1.53	mg/L	
HCC-07	WW_34	2002-08-12		Nitrogen, Total Kjeldahl	1.8	mg/L	
HCC-07	WW_34	2003-07-14		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCC-07	WW_34	2001-04-09		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCC-07	WW_34	2001-12-10		Nitrogen, Total Kjeldahl	3.92	mg/L	
HCC-07	WW_34	2003-08-11		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCC-07	WW_34	2002-10-14		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCC-07	WW_34	2004-05-10		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCC-07	WW_34	2002-07-08		Nitrogen, Total Kjeldahl	1.64	mg/L	
HCC-07	WW_34	2004-04-12		Nitrogen, Total Kjeldahl	1.4	mg/L	
HCC-07	WW_34	2001-11-13		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCC-07	WW_34	2003-01-13		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_34	2001-06-11		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCC-07	WW_34	2003-10-13		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCC-07	WW_34	2002-12-09		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCC-07	WW_34	2002-01-14		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCC-07	WW_96	2014-06-09		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2014-04-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2010-12-13		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCC-07	WW_96	2014-03-10		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-04-09		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2014-05-12		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCC-07	WW_96	2011-09-12		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCC-07	WW_96	2014-11-10		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-11-14		Nitrogen, Total Kjeldahl	0.61	mg/L	
HCC-07	WW_96	2014-10-13		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-01-17		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCC-07	WW_96	2014-12-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCC-07	WW_96	2010-10-11		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCC-07	WW_96	2011-12-12		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCC-07	WW_96	2010-11-08		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCC-07	WW_96	2014-07-14		Nitrogen, Total Kjeldahl	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2014-09-15		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-10-10		Nitrogen, Total Kjeldahl	0.64	mg/L	
HCC-07	WW_96	2012-02-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2014-08-11		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCC-07	WW_96	2013-04-08		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2013-06-10		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-03-14		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCC-07	WW_96	2013-05-13		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-08-13		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-11-13		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCC-07	WW_96	2013-01-14		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCC-07	WW_96	2012-12-10		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-10-08		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2013-03-11		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_96	2011-05-09		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCC-07	WW_96	2013-02-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-04-11		Nitrogen, Total Kjeldahl	0.84	mg/L	
HCC-07	WW_96	2013-12-09		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_96	2012-09-10		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-07-11		Nitrogen, Total Kjeldahl	1.36	mg/L	
HCC-07	WW_96	2011-08-08		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_96	2012-05-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2011-01-10		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCC-07	WW_96	2014-01-13		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCC-07	WW_96	2013-08-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2013-07-15		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCC-07	WW_96	2011-06-13		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCC-07	WW_96	2012-07-16		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2012-06-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2013-11-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2013-09-16		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	WW_96	2013-10-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCC-07	WW_96	2004-10-11		Nitrogen, Total Kjeldahl	0.57	mg/L	
HCC-07	WW_96	2004-11-08		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCC-07	WW_96	2005-05-09		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCC-07	WW_96	2004-12-13		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCC-07	WW_96	2005-04-11		Nitrogen, Total Kjeldahl	0.7	mg/L	
HCC-07	WW_96	2005-01-10		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCC-07	WW_96	2005-02-14		Nitrogen, Total Kjeldahl	2.26	mg/L	
HCC-07	WW_96	2004-07-12		Nitrogen, Total Kjeldahl	0.63	mg/L	
HCC-07	WW_96	2005-07-11		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCC-07	WW_96	2004-06-14		Nitrogen, Total Kjeldahl	1.86	mg/L	
HCC-07	WW_96	2005-08-08		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCC-07	WW_96	2005-03-14		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCC-07	WW_96	2004-09-13		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCC-07	WW_96	2005-09-12		Nitrogen, Total Kjeldahl	1.35	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2005-06-13		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCC-07	WW_96	2004-08-09		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCC-07	WW_96	2008-10-13		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCC-07	WW_96	2007-07-09		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCC-07	WW_96	2008-07-14		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCC-07	WW_96	2010-05-10		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCC-07	WW_96	2010-03-08		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCC-07	WW_96	2006-01-09		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCC-07	WW_96	2005-10-10		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCC-07	WW_96	2006-08-14		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCC-07	WW_96	2010-09-13		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCC-07	WW_96	2010-04-12		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_96	2007-03-12		Nitrogen, Total Kjeldahl	2.78	mg/L	
HCC-07	WW_96	2007-06-11		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCC-07	WW_96	2007-04-09		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCC-07	WW_96	2006-10-09		Nitrogen, Total Kjeldahl	1	mg/L	
HCC-07	WW_96	2008-08-11		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCC-07	WW_96	2006-09-11		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCC-07	WW_96	2005-11-14		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCC-07	WW_96	2010-07-12		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCC-07	WW_96	2008-05-12		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCC-07	WW_96	2007-05-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_96	2010-06-14		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCC-07	WW_96	2008-06-09		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCC-07	WW_96	2010-08-09		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCC-07	WW_96	2008-09-08		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCC-07	WW_96	2006-06-12		Nitrogen, Total Kjeldahl	1.3	mg/L	
HCC-07	WW_96	2009-07-13		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCC-07	WW_96	2009-03-09		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCC-07	WW_96	2007-11-13		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCC-07	WW_96	2008-02-11		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCC-07	WW_96	2006-04-10		Nitrogen, Total Kjeldahl	1.3	mg/L	
HCC-07	WW_96	2007-01-08		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCC-07	WW_96	2009-02-09		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCC-07	WW_96	2009-08-10		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCC-07	WW_96	2009-04-13		Nitrogen, Total Kjeldahl	0.71	mg/L	
HCC-07	WW_96	2008-01-14		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCC-07	WW_96	2009-05-11		Nitrogen, Total Kjeldahl	1	mg/L	
HCC-07	WW_96	2006-12-11		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_96	2006-05-08		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCC-07	WW_96	2009-06-08		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	WW_96	2007-12-10		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCC-07	WW_96	2006-11-13		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCC-07	WW_96	2009-12-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_96	2006-07-10		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCC-07	WW_96	2008-12-08		Nitrogen, Total Kjeldahl	0.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2006-02-14		Nitrogen, Total Kjeldahl	1.5	mg/L	
HCC-07	WW_96	2010-02-08		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCC-07	WW_96	2007-08-13		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCC-07	WW_96	2008-11-10		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCC-07	WW_96	2008-04-14		Nitrogen, Total Kjeldahl	0.71	mg/L	
HCC-07	WW_96	2008-03-10		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCC-07	WW_96	2007-10-08		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_96	2009-09-14		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCC-07	WW_96	2006-03-13		Nitrogen, Total Kjeldahl	1.71	mg/L	
HCC-07	WW_96	2009-11-09		Nitrogen, Total Kjeldahl	0.48	mg/L	
HCC-07	WW_96	2007-09-10		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCC-07	WW_96	2009-01-12		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCC-07	WW_96	2009-10-12		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCC-07	WW_96	2002-10-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCC-07	WW_96	2003-08-11		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCC-07	WW_96	2001-02-13		Nitrogen, Total Kjeldahl	5.41	mg/L	
HCC-07	WW_96	2003-05-12		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCC-07	WW_96	2001-05-14		Nitrogen, Total Kjeldahl	1.71	mg/L	
HCC-07	WW_96	2002-09-09		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_96	2001-01-16		Nitrogen, Total Kjeldahl	4.37	mg/L	
HCC-07	WW_96	2002-12-09		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	WW_96	2003-01-13		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCC-07	WW_96	2003-07-14		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCC-07	WW_96	2003-04-14		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCC-07	WW_96	2001-04-09		Nitrogen, Total Kjeldahl	1.97	mg/L	
HCC-07	WW_96	2003-06-09		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCC-07	WW_96	2001-03-12		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCC-07	WW_96	2002-11-12		Nitrogen, Total Kjeldahl	2.56	mg/L	
HCC-07	WW_96	2002-02-11		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_96	2001-06-11		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCC-07	WW_96	2004-04-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_96	2002-03-11		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCC-07	WW_96	2004-03-08		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCC-07	WW_96	2001-08-13		Nitrogen, Total Kjeldahl	1.31	mg/L	
HCC-07	WW_96	2001-11-13		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCC-07	WW_96	2001-10-08		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCC-07	WW_96	2004-05-10		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCC-07	WW_96	2001-09-10		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCC-07	WW_96	2002-01-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_96	2001-12-10		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCC-07	WW_96	2002-07-08		Nitrogen, Total Kjeldahl	1.74	mg/L	
HCC-07	WW_96	2003-10-13		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCC-07	WW_96	2003-09-08		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCC-07	WW_96	2002-08-12		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCC-07	WW_96	2001-07-09		Nitrogen, Total Kjeldahl	1.51	mg/L	
HCC-07	WW_96	2004-01-12		Nitrogen, Total Kjeldahl	1.01	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2003-12-08		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCC-07	WW_96	2002-04-08		Nitrogen, Total Kjeldahl	1.61	mg/L	
HCC-07	WW_96	2002-06-10		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCC-07	WW_96	2003-11-10		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCC-07	WW_96	2002-05-13		Nitrogen, Total Kjeldahl	1.53	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Nitrogen, Total Kjeldahl	3.52	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Nitrogen, Total Kjeldahl	1.79	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Nitrogen, Total Kjeldahl	0.672	mg/L	
HCCB-05	HCCB-13	2011-08-29	15:33	Nitrogen, Total Kjeldahl	1.86	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Nitrogen, Total Kjeldahl	0.844	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Nitrogen, Total Kjeldahl	0.589	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Nitrogen, Total Kjeldahl	2.28	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Nitrogen, Total Kjeldahl	0.458	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Nitrogen, Total Kjeldahl	2.37	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Nitrogen, Total Kjeldahl	1.82	mg/L	
HCCB-05	WW_106	2012-02-14		Nitrogen, Total Kjeldahl	1.4	mg/L	
HCCB-05	WW_106	2010-11-08		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCB-05	WW_106	2010-10-11		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCB-05	WW_106	2011-11-14		Nitrogen, Total Kjeldahl	1.48	mg/L	
HCCB-05	WW_106	2012-03-12		Nitrogen, Total Kjeldahl	1.88	mg/L	
HCCB-05	WW_106	2011-12-12		Nitrogen, Total Kjeldahl	1.69	mg/L	
HCCB-05	WW_106	2012-01-17		Nitrogen, Total Kjeldahl	1.53	mg/L	
HCCB-05	WW_106	2010-12-13		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCB-05	WW_106	2011-03-14		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCCB-05	WW_106	2011-07-11		Nitrogen, Total Kjeldahl	4.19	mg/L	
HCCB-05	WW_106	2012-07-16		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCCB-05	WW_106	2011-04-11		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCB-05	WW_106	2011-05-09		Nitrogen, Total Kjeldahl	1.6	mg/L	
HCCB-05	WW_106	2011-06-13		Nitrogen, Total Kjeldahl	2.87	mg/L	
HCCB-05	WW_106	2011-02-14		Nitrogen, Total Kjeldahl	1.76	mg/L	
HCCB-05	WW_106	2012-05-14		Nitrogen, Total Kjeldahl	1.45	mg/L	
HCCB-05	WW_106	2011-01-10		Nitrogen, Total Kjeldahl	3.51	mg/L	
HCCB-05	WW_106	2011-08-08		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCB-05	WW_106	2004-03-08		Nitrogen, Total Kjeldahl	0.39	mg/L	
HCCB-05	WW_106	2004-10-11		Nitrogen, Total Kjeldahl	2.72	mg/L	
HCCB-05	WW_106	2001-05-14		Nitrogen, Total Kjeldahl	2.65	mg/L	
HCCB-05	WW_106	2005-08-08		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCCB-05	WW_106	2003-05-12		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCB-05	WW_106	2004-05-10		Nitrogen, Total Kjeldahl	1.64	mg/L	
HCCB-05	WW_106	2001-03-12		Nitrogen, Total Kjeldahl	1.76	mg/L	
HCCB-05	WW_106	2005-02-14		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCB-05	WW_106	2001-04-09		Nitrogen, Total Kjeldahl	2.5	mg/L	
HCCB-05	WW_106	2002-02-11		Nitrogen, Total Kjeldahl	1.28	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2004-04-12		Nitrogen, Total Kjeldahl	1.94	mg/L	
HCCB-05	WW_106	2004-06-14		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCB-05	WW_106	2003-07-14		Nitrogen, Total Kjeldahl	3.09	mg/L	
HCCB-05	WW_106	2004-11-08		Nitrogen, Total Kjeldahl	1.74	mg/L	
HCCB-05	WW_106	2002-04-08		Nitrogen, Total Kjeldahl	1.58	mg/L	
HCCB-05	WW_106	2004-02-09		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCB-05	WW_106	2002-08-12		Nitrogen, Total Kjeldahl	2.07	mg/L	
HCCB-05	WW_106	2001-06-11		Nitrogen, Total Kjeldahl	1.98	mg/L	
HCCB-05	WW_106	2005-03-14		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCB-05	WW_106	2003-10-13		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCB-05	WW_106	2002-06-10		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCCB-05	WW_106	2002-05-13		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCB-05	WW_106	2004-01-12		Nitrogen, Total Kjeldahl	1.72	mg/L	
HCCB-05	WW_106	2001-09-10		Nitrogen, Total Kjeldahl	1.91	mg/L	
HCCB-05	WW_106	2002-03-11		Nitrogen, Total Kjeldahl	1.68	mg/L	
HCCB-05	WW_106	2010-08-09		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCB-05	WW_106	2008-09-08		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCB-05	WW_106	2008-05-12		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCB-05	WW_106	2010-03-08		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCB-05	WW_106	2009-05-11		Nitrogen, Total Kjeldahl	1.94	mg/L	
HCCB-05	WW_106	2006-01-09		Nitrogen, Total Kjeldahl	3.26	mg/L	
HCCB-05	WW_106	2008-11-10		Nitrogen, Total Kjeldahl	2.37	mg/L	
HCCB-05	WW_106	2009-06-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCCB-05	WW_106	2008-04-14		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCB-05	WW_106	2009-12-14		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCB-05	WW_106	2010-09-13		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCB-05	WW_106	2007-12-10		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCCB-05	WW_106	2009-08-10		Nitrogen, Total Kjeldahl	2.26	mg/L	
HCCB-05	WW_106	2009-11-09		Nitrogen, Total Kjeldahl	1.65	mg/L	
HCCB-05	WW_106	2007-01-08		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCB-05	WW_106	2008-03-10		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCB-05	WW_106	2010-02-08		Nitrogen, Total Kjeldahl	1.66	mg/L	
HCCB-05	WW_106	2009-09-14		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCB-05	WW_106	2009-03-09		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCB-05	WW_106	2006-03-13		Nitrogen, Total Kjeldahl	1.73	mg/L	
HCCB-05	WW_106	2006-09-11		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCCB-05	WW_106	2006-12-11		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCB-05	WW_106	2008-07-14		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCCB-05	WW_106	2008-01-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCB-05	WW_106	2009-10-12		Nitrogen, Total Kjeldahl	1.3	mg/L	
HCCB-05	WW_106	2008-10-13		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCB-05	WW_106	2007-03-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCB-05	WW_106	2009-02-09		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCB-05	WW_106	2010-07-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCB-05	WW_106	2008-08-11		Nitrogen, Total Kjeldahl	1.7	mg/L	
HCCB-05	WW_106	2009-01-12		Nitrogen, Total Kjeldahl	1.58	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2005-11-14		Nitrogen, Total Kjeldahl	1.54	mg/L	
HCCB-05	WW_106	2006-10-09		Nitrogen, Total Kjeldahl	1.78	mg/L	
HCCB-05	WW_106	2008-06-09		Nitrogen, Total Kjeldahl	1.75	mg/L	
HCCB-05	WW_106	2008-12-08		Nitrogen, Total Kjeldahl	3.28	mg/L	
HCCB-05	WW_106	2007-08-13		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCB-05	WW_106	2010-04-12		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCB-05	WW_106	2010-05-10		Nitrogen, Total Kjeldahl	1.76	mg/L	
HCCB-05	WW_106	2009-04-13		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Nitrogen, Total Kjeldahl	0.417	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Nitrogen, Total Kjeldahl	0.228	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Nitrogen, Total Kjeldahl	2.38	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Nitrogen, Total Kjeldahl	1.55	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Nitrogen, Total Kjeldahl	1.9	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Nitrogen, Total Kjeldahl	1.14	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Nitrogen, Total Kjeldahl	0.263	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Nitrogen, Total Kjeldahl	0.57	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Nitrogen, Total Kjeldahl	0.738	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Nitrogen, Total Kjeldahl	0.765	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Nitrogen, Total Kjeldahl	0.53	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Nitrogen, Total Kjeldahl	0.64	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Nitrogen, Total Kjeldahl	0.715	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Nitrogen, Total Kjeldahl	1.64	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Nitrogen, Total Kjeldahl	0.799	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Nitrogen, Total Kjeldahl	0.855	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Nitrogen, Total Kjeldahl	0.926	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Nitrogen, Total Kjeldahl	0.59	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Nitrogen, Total Kjeldahl	0.845	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Nitrogen, Total Kjeldahl	0.724	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Nitrogen, Total Kjeldahl	0.732	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Nitrogen, Total Kjeldahl	1.3	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Nitrogen, Total Kjeldahl	1.48	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Nitrogen, Total Kjeldahl	0.826	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Nitrogen, Total Kjeldahl	0.971	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Nitrogen, Total Kjeldahl	0.85	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Nitrogen, Total Kjeldahl	1.28	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2007-06-07	9:20	Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Nitrogen, Total Kjeldahl	0.763	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Nitrogen, Total Kjeldahl	0.49	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Nitrogen, Total Kjeldahl	0.532	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Nitrogen, Total Kjeldahl	0.834	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Nitrogen, Total Kjeldahl	2.37	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Nitrogen, Total Kjeldahl	1.34	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Nitrogen, Total Kjeldahl	0.814	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Nitrogen, Total Kjeldahl	0.62	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Nitrogen, Total Kjeldahl	0.499	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Nitrogen, Total Kjeldahl	0.252	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Nitrogen, Total Kjeldahl	0.568	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Nitrogen, Total Kjeldahl	0.766	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Nitrogen, Total Kjeldahl	0.815	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Nitrogen, Total Kjeldahl	0.709	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Nitrogen, Total Kjeldahl	0.889	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Nitrogen, Total Kjeldahl	0.45	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Nitrogen, Total Kjeldahl	0.863	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Nitrogen, Total Kjeldahl	0.676	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Nitrogen, Total Kjeldahl	0.795	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Nitrogen, Total Kjeldahl	0.662	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Nitrogen, Total Kjeldahl	1.08	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Nitrogen, Total Kjeldahl	0.673	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Nitrogen, Total Kjeldahl	0.74	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Nitrogen, Total Kjeldahl	0.467	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Nitrogen, Total Kjeldahl	0.49	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Nitrogen, Total Kjeldahl	0.671	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Nitrogen, Total Kjeldahl	0.862	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Nitrogen, Total Kjeldahl	0.521	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Nitrogen, Total Kjeldahl	0.7	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Nitrogen, Total Kjeldahl	1.95	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Nitrogen, Total Kjeldahl	0.48	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Nitrogen, Total Kjeldahl	0.742	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Nitrogen, Total Kjeldahl	0.566	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Nitrogen, Total Kjeldahl	0.922	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Nitrogen, Total Kjeldahl	0.662	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2008-11-10	10:05	Nitrogen, Total Kjeldahl	0.496	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Nitrogen, Total Kjeldahl	0.558	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Nitrogen, Total Kjeldahl	0.18	mg/L	
HCCC-02	HCCC-06	2011-06-29	8:15	Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCC-02	HCCC-06	2011-08-29	16:50	Nitrogen, Total Kjeldahl	0.776	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Nitrogen, Total Kjeldahl	0.858	mg/L	1 ft
HCCC-02	HCCC-06	2011-08-17	9:10	Nitrogen, Total Kjeldahl	0.346	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Nitrogen, Total Kjeldahl	0.895	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Nitrogen, Total Kjeldahl	0.703	mg/L	
HCCC-02	WW_31	2011-04-11		Nitrogen, Total Kjeldahl	0.76	mg/L	
HCCC-02	WW_31	2011-05-09		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-02	WW_31	2010-10-11		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCC-02	WW_31	2011-03-14		Nitrogen, Total Kjeldahl	0.7	mg/L	
HCCC-02	WW_31	2011-10-10		Nitrogen, Total Kjeldahl	0.64	mg/L	
HCCC-02	WW_31	2010-11-08		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCC-02	WW_31	2011-07-11		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-02	WW_31	2011-11-14		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-02	WW_31	2011-08-08		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCC-02	WW_31	2011-06-13		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCCC-02	WW_31	2012-07-16		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-02	WW_31	2011-12-12		Nitrogen, Total Kjeldahl	0.63	mg/L	
HCCC-02	WW_31	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-02	WW_31	2012-04-09		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-02	WW_31	2012-05-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-02	WW_31	2005-08-08		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCC-02	WW_31	2005-06-13		Nitrogen, Total Kjeldahl	2.17	mg/L	
HCCC-02	WW_31	2005-09-12		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCC-02	WW_31	2005-05-09		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-02	WW_31	2005-07-11		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-02	WW_31	2005-04-11		Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCC-02	WW_31	2005-02-14		Nitrogen, Total Kjeldahl	1.47	mg/L	
HCCC-02	WW_31	2004-10-11		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCC-02	WW_31	2004-11-08		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-02	WW_31	2004-09-13		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCCC-02	WW_31	2004-07-12		Nitrogen, Total Kjeldahl	0.7	mg/L	
HCCC-02	WW_31	2005-03-14		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCCC-02	WW_31	2004-12-13		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCC-02	WW_31	2004-08-09		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCC-02	WW_31	2004-06-14		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-02	WW_31	2010-09-13		Nitrogen, Total Kjeldahl	0.83	mg/L	
HCCC-02	WW_31	2009-10-12		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCC-02	WW_31	2009-11-09		Nitrogen, Total Kjeldahl	0.7	mg/L	
HCCC-02	WW_31	2010-08-09		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCCC-02	WW_31	2005-10-10		Nitrogen, Total Kjeldahl	4.03	mg/L	
HCCC-02	WW_31	2007-05-14		Nitrogen, Total Kjeldahl	1.4	mg/L	
HCCC-02	WW_31	2008-01-14		Nitrogen, Total Kjeldahl	0.88	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2006-12-11		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-02	WW_31	2010-05-10		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCC-02	WW_31	2007-08-13		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCC-02	WW_31	2010-04-12		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCCC-02	WW_31	2007-09-10		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-02	WW_31	2007-07-09		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCC-02	WW_31	2005-11-14		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-02	WW_31	2007-03-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-02	WW_31	2010-06-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-02	WW_31	2007-04-09		Nitrogen, Total Kjeldahl	1.62	mg/L	
HCCC-02	WW_31	2007-01-08		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCCC-02	WW_31	2009-12-14		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-02	WW_31	2007-11-13		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-02	WW_31	2006-01-09		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCCC-02	WW_31	2007-06-11		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCCC-02	WW_31	2010-03-08		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCCC-02	WW_31	2010-07-12		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCC-02	WW_31	2007-10-08		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-02	WW_31	2006-11-13		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-02	WW_31	2008-07-14		Nitrogen, Total Kjeldahl	1.58	mg/L	
HCCC-02	WW_31	2006-07-10		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCC-02	WW_31	2009-07-13		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-02	WW_31	2006-04-10		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-02	WW_31	2008-09-08		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCCC-02	WW_31	2009-05-11		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCC-02	WW_31	2006-05-08		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCC-02	WW_31	2009-06-08		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCCC-02	WW_31	2008-04-14		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-02	WW_31	2006-06-12		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-02	WW_31	2006-09-11		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCCC-02	WW_31	2008-05-12		Nitrogen, Total Kjeldahl	2.13	mg/L	
HCCC-02	WW_31	2009-03-09		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCCC-02	WW_31	2008-08-11		Nitrogen, Total Kjeldahl	0.85	mg/L	
HCCC-02	WW_31	2009-09-14		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-02	WW_31	2008-10-13		Nitrogen, Total Kjeldahl	0.62	mg/L	
HCCC-02	WW_31	2006-10-09		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-02	WW_31	2008-06-09		Nitrogen, Total Kjeldahl	1.66	mg/L	
HCCC-02	WW_31	2009-04-13		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCCC-02	WW_31	2006-03-13		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCC-02	WW_31	2006-08-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCC-02	WW_31	2008-11-10		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCCC-02	WW_31	2009-08-10		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCC-02	WW_31	2008-03-10		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-02	WW_31	2002-04-08		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCC-02	WW_31	2001-08-13		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-02	WW_31	2002-06-10		Nitrogen, Total Kjeldahl	1.02	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2001-03-12		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-02	WW_31	2001-02-13		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-02	WW_31	2003-05-12		Nitrogen, Total Kjeldahl	1.63	mg/L	
HCCC-02	WW_31	2002-05-13		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCCC-02	WW_31	2001-11-13		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-02	WW_31	2001-12-10		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCCC-02	WW_31	2003-04-14		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCC-02	WW_31	2001-07-09		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCC-02	WW_31	2002-03-11		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCCC-02	WW_31	2001-05-14		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCC-02	WW_31	2001-09-10		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCC-02	WW_31	2002-09-09		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCC-02	WW_31	2002-10-14		Nitrogen, Total Kjeldahl	0.68	mg/L	
HCCC-02	WW_31	2002-02-11		Nitrogen, Total Kjeldahl	0.45	mg/L	
HCCC-02	WW_31	2001-10-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-02	WW_31	2002-07-08		Nitrogen, Total Kjeldahl	2.61	mg/L	
HCCC-02	WW_31	2002-08-12		Nitrogen, Total Kjeldahl	1.9	mg/L	
HCCC-02	WW_31	2002-11-12		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCC-02	WW_31	2001-04-09		Nitrogen, Total Kjeldahl	1.31	mg/L	
HCCC-02	WW_31	2001-06-11		Nitrogen, Total Kjeldahl	2.63	mg/L	
HCCC-02	WW_31	2003-11-10		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-02	WW_31	2003-06-09		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-02	WW_31	2003-09-08		Nitrogen, Total Kjeldahl	2.05	mg/L	
HCCC-02	WW_31	2003-10-13		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-02	WW_31	2004-04-12		Nitrogen, Total Kjeldahl	0.79	mg/L	
HCCC-02	WW_31	2003-07-14		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCC-02	WW_31	2004-03-08		Nitrogen, Total Kjeldahl	0.54	mg/L	
HCCC-02	WW_31	2004-05-10		Nitrogen, Total Kjeldahl	2	mg/L	
HCCC-02	WW_31	2003-08-11		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-02	WW_31	2003-12-08		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Nitrogen, Total Kjeldahl	0.43	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Nitrogen, Total Kjeldahl	1.79	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Nitrogen, Total Kjeldahl	1.57	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Nitrogen, Total Kjeldahl	2.56	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Nitrogen, Total Kjeldahl	0.964	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Nitrogen, Total Kjeldahl	0.963	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-04	HCCC-08	2011-08-29	12:13	Nitrogen, Total Kjeldahl	1.5	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Nitrogen, Total Kjeldahl	0.781	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Nitrogen, Total Kjeldahl	1.65	mg/L	
HCCC-04	WW_103	2011-06-13		Nitrogen, Total Kjeldahl	2.07	mg/L	
HCCC-04	WW_103	2011-11-14		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-04	WW_103	2011-05-09		Nitrogen, Total Kjeldahl	1.4	mg/L	
HCCC-04	WW_103	2011-12-12		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCC-04	WW_103	2012-01-17		Nitrogen, Total Kjeldahl	1.62	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2011-09-12		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCC-04	WW_103	2011-08-08		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCC-04	WW_103	2012-05-14		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCC-04	WW_103	2012-04-09		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCC-04	WW_103	2012-02-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-04	WW_103	2011-10-10		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-04	WW_103	2012-06-11		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-04	WW_103	2011-07-11		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCC-04	WW_103	2012-03-12		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-04	WW_103	2012-07-16		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-04	WW_103	2010-11-08		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-04	WW_103	2010-10-11		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCC-04	WW_103	2011-04-11		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-04	WW_103	2011-02-14		Nitrogen, Total Kjeldahl	1.61	mg/L	
HCCC-04	WW_103	2011-03-14		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCC-04	WW_103	2001-08-13		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_103	2003-12-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-04	WW_103	2004-08-09		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-04	WW_103	2002-04-08		Nitrogen, Total Kjeldahl	1.53	mg/L	
HCCC-04	WW_103	2001-07-09		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCCC-04	WW_103	2002-06-10		Nitrogen, Total Kjeldahl	1.73	mg/L	
HCCC-04	WW_103	2003-11-10		Nitrogen, Total Kjeldahl	1.53	mg/L	
HCCC-04	WW_103	2005-09-12		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-04	WW_103	2004-09-13		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-04	WW_103	2002-07-08		Nitrogen, Total Kjeldahl	2.06	mg/L	
HCCC-04	WW_103	2005-03-14		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCC-04	WW_103	2002-05-13		Nitrogen, Total Kjeldahl	1.31	mg/L	
HCCC-04	WW_103	2002-01-14		Nitrogen, Total Kjeldahl	1.65	mg/L	
HCCC-04	WW_103	2004-06-14		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-04	WW_103	2004-04-12		Nitrogen, Total Kjeldahl	1.65	mg/L	
HCCC-04	WW_103	2001-10-08		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCC-04	WW_103	2004-05-10		Nitrogen, Total Kjeldahl	1.71	mg/L	
HCCC-04	WW_103	2001-12-10		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCC-04	WW_103	2001-11-13		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCC-04	WW_103	2004-07-12		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCC-04	WW_103	2002-03-11		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCCC-04	WW_103	2001-09-10		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCC-04	WW_103	2005-01-10		Nitrogen, Total Kjeldahl	1.32	mg/L	
HCCC-04	WW_103	2005-07-11		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCCC-04	WW_103	2002-02-11		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_103	2005-02-14		Nitrogen, Total Kjeldahl	1.67	mg/L	
HCCC-04	WW_103	2004-03-08		Nitrogen, Total Kjeldahl	0.46	mg/L	
HCCC-04	WW_103	2001-04-09		Nitrogen, Total Kjeldahl	1.93	mg/L	
HCCC-04	WW_103	2002-11-12		Nitrogen, Total Kjeldahl	6.06	mg/L	
HCCC-04	WW_103	2004-11-08		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-04	WW_103	2003-07-14		Nitrogen, Total Kjeldahl	1.65	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-08-11		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCCC-04	WW_103	2002-10-14		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_103	2003-05-12		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCC-04	WW_103	2004-12-13		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-04	WW_103	2001-03-12		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCC-04	WW_103	2005-05-09		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCC-04	WW_103	2003-04-14		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCCC-04	WW_103	2003-06-09		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCCC-04	WW_103	2005-04-11		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCC-04	WW_103	2002-08-12		Nitrogen, Total Kjeldahl	2.35	mg/L	
HCCC-04	WW_103	2002-09-09		Nitrogen, Total Kjeldahl	1.55	mg/L	
HCCC-04	WW_103	2001-05-14		Nitrogen, Total Kjeldahl	1.9	mg/L	
HCCC-04	WW_103	2005-06-13		Nitrogen, Total Kjeldahl	1.73	mg/L	
HCCC-04	WW_103	2003-09-08		Nitrogen, Total Kjeldahl	0.71	mg/L	
HCCC-04	WW_103	2001-06-11		Nitrogen, Total Kjeldahl	1.6	mg/L	
HCCC-04	WW_103	2004-10-11		Nitrogen, Total Kjeldahl	0.49	mg/L	
HCCC-04	WW_103	2008-09-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-04	WW_103	2006-10-09		Nitrogen, Total Kjeldahl	1.77	mg/L	
HCCC-04	WW_103	2008-06-09		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCCC-04	WW_103	2008-10-13		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCC-04	WW_103	2006-08-14		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-04	WW_103	2009-04-13		Nitrogen, Total Kjeldahl	0.85	mg/L	
HCCC-04	WW_103	2008-11-10		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCC-04	WW_103	2008-03-10		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_103	2009-08-10		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCCC-04	WW_103	2009-03-09		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-04	WW_103	2008-08-11		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCCC-04	WW_103	2008-05-12		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_103	2006-06-12		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCC-04	WW_103	2009-02-09		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCC-04	WW_103	2009-06-08		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCCC-04	WW_103	2006-04-10		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_103	2006-11-13		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCC-04	WW_103	2009-07-13		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_103	2008-07-14		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-04	WW_103	2009-05-11		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCC-04	WW_103	2006-05-08		Nitrogen, Total Kjeldahl	1.3	mg/L	
HCCC-04	WW_103	2008-04-14		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-04	WW_103	2006-09-11		Nitrogen, Total Kjeldahl	1.69	mg/L	
HCCC-04	WW_103	2006-07-10		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-04	WW_103	2010-02-08		Nitrogen, Total Kjeldahl	1.4	mg/L	
HCCC-04	WW_103	2007-12-10		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-04	WW_103	2009-11-09		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCC-04	WW_103	2010-05-10		Nitrogen, Total Kjeldahl	1.6	mg/L	
HCCC-04	WW_103	2005-11-14		Nitrogen, Total Kjeldahl	1.89	mg/L	
HCCC-04	WW_103	2010-07-12		Nitrogen, Total Kjeldahl	1.24	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2007-06-11		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCC-04	WW_103	2007-10-08		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCC-04	WW_103	2007-08-13		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_103	2010-06-14		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-04	WW_103	2009-12-14		Nitrogen, Total Kjeldahl	1.31	mg/L	
HCCC-04	WW_103	2007-11-13		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-04	WW_103	2007-03-12		Nitrogen, Total Kjeldahl	2	mg/L	
HCCC-04	WW_103	2007-01-08		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCC-04	WW_103	2007-07-09		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCC-04	WW_103	2006-02-14		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCCC-04	WW_103	2006-03-13		Nitrogen, Total Kjeldahl	1.81	mg/L	
HCCC-04	WW_103	2009-09-14		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-04	WW_103	2010-03-08		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCCC-04	WW_103	2007-05-14		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_103	2010-09-13		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCC-04	WW_103	2007-09-10		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCC-04	WW_103	2006-01-09		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCCC-04	WW_103	2010-04-12		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-04	WW_103	2005-10-10		Nitrogen, Total Kjeldahl	1.48	mg/L	
HCCC-04	WW_103	2009-10-12		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-04	WW_103	2010-08-09		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCC-04	WW_103	2008-01-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_103	2006-12-11		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCCC-04	WW_103	2007-04-09		Nitrogen, Total Kjeldahl	1.58	mg/L	
HCCC-04	WW_104	2012-06-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-04	WW_104	2011-07-11		Nitrogen, Total Kjeldahl	4.5	mg/L	
HCCC-04	WW_104	2012-07-16		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_104	2011-03-14		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-04	WW_104	2011-10-10		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCCC-04	WW_104	2010-11-08		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-04	WW_104	2012-02-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-04	WW_104	2010-12-13		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-04	WW_104	2011-06-13		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCCC-04	WW_104	2011-08-08		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-04	WW_104	2011-01-10		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_104	2012-04-09		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCC-04	WW_104	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCCC-04	WW_104	2011-09-12		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-04	WW_104	2011-02-14		Nitrogen, Total Kjeldahl	1.78	mg/L	
HCCC-04	WW_104	2012-05-14		Nitrogen, Total Kjeldahl	2.1	mg/L	
HCCC-04	WW_104	2010-10-11		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCC-04	WW_104	2012-01-17		Nitrogen, Total Kjeldahl	1.52	mg/L	
HCCC-04	WW_104	2011-12-12		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCC-04	WW_104	2011-11-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCC-04	WW_104	2011-04-11		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCCC-04	WW_104	2011-05-09		Nitrogen, Total Kjeldahl	1.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-04-11		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCCC-04	WW_104	2004-04-12		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCC-04	WW_104	2002-01-14		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCC-04	WW_104	2001-12-10		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCC-04	WW_104	2004-05-10		Nitrogen, Total Kjeldahl	1.68	mg/L	
HCCC-04	WW_104	2003-05-12		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCC-04	WW_104	2005-06-13		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-04	WW_104	2003-04-14		Nitrogen, Total Kjeldahl	1.5	mg/L	
HCCC-04	WW_104	2002-08-12		Nitrogen, Total Kjeldahl	1.75	mg/L	
HCCC-04	WW_104	2005-03-14		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCC-04	WW_104	2005-07-11		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCC-04	WW_104	2004-02-09		Nitrogen, Total Kjeldahl	0.71	mg/L	
HCCC-04	WW_104	2002-04-08		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCC-04	WW_104	2002-10-14		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCC-04	WW_104	2004-01-12		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCC-04	WW_104	2003-08-11		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCC-04	WW_104	2002-09-09		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCCC-04	WW_104	2004-03-08		Nitrogen, Total Kjeldahl	0.66	mg/L	
HCCC-04	WW_104	2005-05-09		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCC-04	WW_104	2005-02-14		Nitrogen, Total Kjeldahl	2.08	mg/L	
HCCC-04	WW_104	2002-02-11		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCC-04	WW_104	2002-11-12		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCC-04	WW_104	2002-03-11		Nitrogen, Total Kjeldahl	1.22	mg/L	
HCCC-04	WW_104	2002-05-13		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_104	2004-06-14		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_104	2001-10-08		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCC-04	WW_104	2001-08-13		Nitrogen, Total Kjeldahl	1.47	mg/L	
HCCC-04	WW_104	2001-06-11		Nitrogen, Total Kjeldahl	1.51	mg/L	
HCCC-04	WW_104	2005-01-10		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-04	WW_104	2004-11-08		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_104	2001-04-09		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_104	2004-09-13		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCCC-04	WW_104	2005-09-12		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-04	WW_104	2001-11-13		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCC-04	WW_104	2001-07-09		Nitrogen, Total Kjeldahl	1.71	mg/L	
HCCC-04	WW_104	2004-08-09		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCC-04	WW_104	2001-03-12		Nitrogen, Total Kjeldahl	1.56	mg/L	
HCCC-04	WW_104	2004-07-12		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-04	WW_104	2001-09-10		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_104	2001-05-14		Nitrogen, Total Kjeldahl	1.78	mg/L	
HCCC-04	WW_104	2004-10-11		Nitrogen, Total Kjeldahl	0.56	mg/L	
HCCC-04	WW_104	2004-12-13		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCC-04	WW_104	2005-08-08		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCC-04	WW_104	2007-08-13		Nitrogen, Total Kjeldahl	1.18	mg/L	
HCCC-04	WW_104	2009-03-09		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCCC-04	WW_104	2008-07-14		Nitrogen, Total Kjeldahl	1.55	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-12-12		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCC-04	WW_104	2010-04-12		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCC-04	WW_104	2010-05-10		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCC-04	WW_104	2006-06-12		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCCC-04	WW_104	2007-09-10		Nitrogen, Total Kjeldahl	1.39	mg/L	
HCCC-04	WW_104	2008-11-10		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_104	2007-04-09		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCCC-04	WW_104	2010-08-09		Nitrogen, Total Kjeldahl	0.74	mg/L	
HCCC-04	WW_104	2008-09-08		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCC-04	WW_104	2006-08-14		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCC-04	WW_104	2008-10-13		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCC-04	WW_104	2005-10-10		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-04	WW_104	2007-05-14		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCC-04	WW_104	2010-09-13		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_104	2008-08-11		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCC-04	WW_104	2006-09-11		Nitrogen, Total Kjeldahl	1.69	mg/L	
HCCC-04	WW_104	2007-07-09		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCC-04	WW_104	2009-01-12		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCC-04	WW_104	2007-03-12		Nitrogen, Total Kjeldahl	1.94	mg/L	
HCCC-04	WW_104	2009-02-09		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCC-04	WW_104	2008-12-08		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_104	2007-06-11		Nitrogen, Total Kjeldahl	1.91	mg/L	
HCCC-04	WW_104	2005-11-14		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCC-04	WW_104	2006-07-10		Nitrogen, Total Kjeldahl	1.46	mg/L	
HCCC-04	WW_104	2009-11-09		Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCC-04	WW_104	2007-12-10		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCC-04	WW_104	2008-04-14		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCC-04	WW_104	2008-05-12		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-04	WW_104	2009-12-14		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCC-04	WW_104	2006-02-14		Nitrogen, Total Kjeldahl	2.83	mg/L	
HCCC-04	WW_104	2008-03-10		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-04	WW_104	2009-08-10		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCC-04	WW_104	2006-03-13		Nitrogen, Total Kjeldahl	2.13	mg/L	
HCCC-04	WW_104	2009-09-14		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCC-04	WW_104	2008-02-11		Nitrogen, Total Kjeldahl	1	mg/L	
HCCC-04	WW_104	2006-12-11		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_104	2009-10-12		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCC-04	WW_104	2008-01-14		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCC-04	WW_104	2006-04-10		Nitrogen, Total Kjeldahl	1.41	mg/L	
HCCC-04	WW_104	2006-11-13		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCC-04	WW_104	2009-07-13		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCC-04	WW_104	2009-06-08		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCC-04	WW_104	2006-05-08		Nitrogen, Total Kjeldahl	1.68	mg/L	
HCCC-04	WW_104	2006-01-09		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCC-04	WW_104	2009-04-13		Nitrogen, Total Kjeldahl	0.76	mg/L	
HCCC-04	WW_104	2010-03-08		Nitrogen, Total Kjeldahl	0.67	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2010-02-08		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCC-04	WW_104	2009-05-11		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCC-04	WW_104	2007-01-08		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCC-04	WW_104	2006-10-09		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCC-04	WW_104	2007-10-08		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCC-04	WW_104	2008-06-09		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCC-04	WW_104	2007-11-13		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCD-01	WW_32	2012-07-16		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2010-11-08		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCD-01	WW_32	2011-10-10		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-01	WW_32	2011-03-14		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCCD-01	WW_32	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2011-06-13		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCD-01	WW_32	2011-08-08		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-01	WW_32	2011-07-11		Nitrogen, Total Kjeldahl	3.52	mg/L	
HCCD-01	WW_32	2012-05-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2011-09-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2012-06-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2012-04-09		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCD-01	WW_32	2010-10-11		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCD-01	WW_32	2011-05-09		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCD-01	WW_32	2011-04-11		Nitrogen, Total Kjeldahl	2.07	mg/L	
HCCD-01	WW_32	2011-11-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-01	WW_32	2012-01-17		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCD-01	WW_32	2011-12-12		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCD-01	WW_32	2004-10-11		Nitrogen, Total Kjeldahl	0.8	mg/L	
HCCD-01	WW_32	2005-06-13		Nitrogen, Total Kjeldahl	2.43	mg/L	
HCCD-01	WW_32	2004-08-09		Nitrogen, Total Kjeldahl	1.77	mg/L	
HCCD-01	WW_32	2005-07-11		Nitrogen, Total Kjeldahl	1.33	mg/L	
HCCD-01	WW_32	2005-03-14		Nitrogen, Total Kjeldahl	1.37	mg/L	
HCCD-01	WW_32	2004-07-12		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCCD-01	WW_32	2004-09-13		Nitrogen, Total Kjeldahl	1.88	mg/L	
HCCD-01	WW_32	2005-09-12		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCD-01	WW_32	2005-02-14		Nitrogen, Total Kjeldahl	2.08	mg/L	
HCCD-01	WW_32	2004-12-13		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCCD-01	WW_32	2005-04-11		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-01	WW_32	2005-05-09		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCD-01	WW_32	2004-11-08		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCD-01	WW_32	2004-06-14		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCD-01	WW_32	2005-08-08		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCD-01	WW_32	2008-07-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-01	WW_32	2007-08-13		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCD-01	WW_32	2006-06-12		Nitrogen, Total Kjeldahl	0.8	mg/L	
HCCD-01	WW_32	2010-05-10		Nitrogen, Total Kjeldahl	0.83	mg/L	
HCCD-01	WW_32	2007-03-12		Nitrogen, Total Kjeldahl	1.64	mg/L	
HCCD-01	WW_32	2005-12-12		Nitrogen, Total Kjeldahl	5.08	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2010-06-14		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCCD-01	WW_32	2009-03-09		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCD-01	WW_32	2009-04-13		Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCD-01	WW_32	2008-11-10		Nitrogen, Total Kjeldahl	0.68	mg/L	
HCCD-01	WW_32	2008-09-08		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCD-01	WW_32	2010-08-09		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCD-01	WW_32	2007-04-09		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCD-01	WW_32	2006-08-14		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCD-01	WW_32	2008-10-13		Nitrogen, Total Kjeldahl	0.55	mg/L	
HCCD-01	WW_32	2010-09-13		Nitrogen, Total Kjeldahl	0.65	mg/L	
HCCD-01	WW_32	2005-10-10		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCD-01	WW_32	2007-05-14		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-01	WW_32	2010-07-12		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-01	WW_32	2008-08-11		Nitrogen, Total Kjeldahl	0.79	mg/L	
HCCD-01	WW_32	2005-11-14		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-01	WW_32	2007-07-09		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCD-01	WW_32	2007-06-11		Nitrogen, Total Kjeldahl	1.3	mg/L	
HCCD-01	WW_32	2006-09-11		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-01	WW_32	2006-07-10		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-01	WW_32	2008-04-14		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCCD-01	WW_32	2006-11-13		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-01	WW_32	2009-06-08		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCCD-01	WW_32	2007-01-08		Nitrogen, Total Kjeldahl	0.85	mg/L	
HCCD-01	WW_32	2006-02-14		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCD-01	WW_32	2009-08-10		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-01	WW_32	2009-11-09		Nitrogen, Total Kjeldahl	0.58	mg/L	
HCCD-01	WW_32	2008-03-10		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-01	WW_32	2007-11-13		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-01	WW_32	2006-04-10		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCD-01	WW_32	2009-07-13		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-01	WW_32	2009-12-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-01	WW_32	2009-05-11		Nitrogen, Total Kjeldahl	0.76	mg/L	
HCCD-01	WW_32	2007-09-10		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-01	WW_32	2006-12-11		Nitrogen, Total Kjeldahl	2.43	mg/L	
HCCD-01	WW_32	2008-01-14		Nitrogen, Total Kjeldahl	0.82	mg/L	
HCCD-01	WW_32	2006-05-08		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCCD-01	WW_32	2006-10-09		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCD-01	WW_32	2008-06-09		Nitrogen, Total Kjeldahl	1.34	mg/L	
HCCD-01	WW_32	2010-04-12		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCCD-01	WW_32	2008-05-12		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCD-01	WW_32	2010-03-08		Nitrogen, Total Kjeldahl	0.52	mg/L	
HCCD-01	WW_32	2009-10-12		Nitrogen, Total Kjeldahl	0.62	mg/L	
HCCD-01	WW_32	2009-09-14		Nitrogen, Total Kjeldahl	0.68	mg/L	
HCCD-01	WW_32	2007-10-08		Nitrogen, Total Kjeldahl	1	mg/L	
HCCD-01	WW_32	2006-03-13		Nitrogen, Total Kjeldahl	2.83	mg/L	
HCCD-01	WW_32	2006-01-09		Nitrogen, Total Kjeldahl	0.86	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2003-08-11		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-01	WW_32	2002-10-14		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCD-01	WW_32	2002-08-12		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCCD-01	WW_32	2001-12-10		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCD-01	WW_32	2001-09-10		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCD-01	WW_32	2003-09-08		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCD-01	WW_32	2002-09-09		Nitrogen, Total Kjeldahl	1.7	mg/L	
HCCD-01	WW_32	2001-05-14		Nitrogen, Total Kjeldahl	1.45	mg/L	
HCCD-01	WW_32	2004-03-08		Nitrogen, Total Kjeldahl	0.51	mg/L	
HCCD-01	WW_32	2001-07-09		Nitrogen, Total Kjeldahl	1.59	mg/L	
HCCD-01	WW_32	2002-05-13		Nitrogen, Total Kjeldahl	1.43	mg/L	
HCCD-01	WW_32	2003-12-08		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCD-01	WW_32	2001-08-13		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-01	WW_32	2002-03-11		Nitrogen, Total Kjeldahl	1.14	mg/L	
HCCD-01	WW_32	2002-04-08		Nitrogen, Total Kjeldahl	0.71	mg/L	
HCCD-01	WW_32	2001-06-11		Nitrogen, Total Kjeldahl	1.8	mg/L	
HCCD-01	WW_32	2003-10-13		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-01	WW_32	2002-07-08		Nitrogen, Total Kjeldahl	1.64	mg/L	
HCCD-01	WW_32	2004-04-12		Nitrogen, Total Kjeldahl	0.67	mg/L	
HCCD-01	WW_32	2002-02-11		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCCD-01	WW_32	2003-11-10		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCD-01	WW_32	2002-06-10		Nitrogen, Total Kjeldahl	0.95	mg/L	
HCCD-01	WW_32	2002-11-12		Nitrogen, Total Kjeldahl	0.64	mg/L	
HCCD-01	WW_32	2004-05-10		Nitrogen, Total Kjeldahl	1.83	mg/L	
HCCD-01	WW_32	2003-06-09		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCD-01	WW_32	2001-03-12		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCCD-01	WW_32	2001-02-13		Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCD-01	WW_32	2001-04-09		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-01	WW_32	2001-11-13		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-01	WW_32	2003-05-12		Nitrogen, Total Kjeldahl	1.88	mg/L	
HCCD-01	WW_32	2003-04-14		Nitrogen, Total Kjeldahl	0.49	mg/L	
HCCD-01	WW_32	2003-07-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-01	WW_32	2001-10-08		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Nitrogen, Total Kjeldahl	2.75	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Nitrogen, Total Kjeldahl	1.3	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Nitrogen, Total Kjeldahl	0.931	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Nitrogen, Total Kjeldahl	1.24	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Nitrogen, Total Kjeldahl	1.48	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Nitrogen, Total Kjeldahl	1.63	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Nitrogen, Total Kjeldahl	0.651	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Nitrogen, Total Kjeldahl	2.4	mg/L	
HCCD-09	WW_105	2011-04-11		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCCD-09	WW_105	2011-01-10		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCCD-09	WW_105	2012-04-09		Nitrogen, Total Kjeldahl	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-05-09		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-09	WW_105	2012-05-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-09	WW_105	2012-03-12		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-09	WW_105	2011-11-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-09	WW_105	2011-08-08		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCD-09	WW_105	2011-02-14		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCD-09	WW_105	2010-10-11		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCD-09	WW_105	2010-12-13		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCD-09	WW_105	2011-09-12		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCD-09	WW_105	2012-01-17		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCD-09	WW_105	2012-07-16		Nitrogen, Total Kjeldahl	1.2	mg/L	
HCCD-09	WW_105	2012-02-14		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-09	WW_105	2011-03-14		Nitrogen, Total Kjeldahl	0.73	mg/L	
HCCD-09	WW_105	2010-11-08		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-09	WW_105	2011-10-10		Nitrogen, Total Kjeldahl	0.88	mg/L	
HCCD-09	WW_105	2011-06-13		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCD-09	WW_105	2011-12-12		Nitrogen, Total Kjeldahl	0.79	mg/L	
HCCD-09	WW_105	2012-06-11		Nitrogen, Total Kjeldahl	0	mg/L	
HCCD-09	WW_105	2011-07-11		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCD-09	WW_105	2003-09-08		Nitrogen, Total Kjeldahl	1.66	mg/L	
HCCD-09	WW_105	2002-08-12		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCCD-09	WW_105	2005-06-13		Nitrogen, Total Kjeldahl	1.03	mg/L	
HCCD-09	WW_105	2002-06-10		Nitrogen, Total Kjeldahl	1.38	mg/L	
HCCD-09	WW_105	2003-11-10		Nitrogen, Total Kjeldahl	1.01	mg/L	
HCCD-09	WW_105	2002-05-13		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCD-09	WW_105	2001-07-09		Nitrogen, Total Kjeldahl	1.82	mg/L	
HCCD-09	WW_105	2005-09-12		Nitrogen, Total Kjeldahl	0.79	mg/L	
HCCD-09	WW_105	2004-09-13		Nitrogen, Total Kjeldahl	0.92	mg/L	
HCCD-09	WW_105	2001-06-11		Nitrogen, Total Kjeldahl	1.77	mg/L	
HCCD-09	WW_105	2003-10-13		Nitrogen, Total Kjeldahl	0.51	mg/L	
HCCD-09	WW_105	2002-07-08		Nitrogen, Total Kjeldahl	1.9	mg/L	
HCCD-09	WW_105	2005-03-14		Nitrogen, Total Kjeldahl	1.64	mg/L	
HCCD-09	WW_105	2003-02-10		Nitrogen, Total Kjeldahl	0.8	mg/L	
HCCD-09	WW_105	2003-03-10		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCD-09	WW_105	2005-04-11		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCD-09	WW_105	2005-05-09		Nitrogen, Total Kjeldahl	0.8	mg/L	
HCCD-09	WW_105	2003-01-13		Nitrogen, Total Kjeldahl	0.6	mg/L	
HCCD-09	WW_105	2001-03-12		Nitrogen, Total Kjeldahl	1.1	mg/L	
HCCD-09	WW_105	2003-05-12		Nitrogen, Total Kjeldahl	1.42	mg/L	
HCCD-09	WW_105	2004-12-13		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-09	WW_105	2003-06-09		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCD-09	WW_105	2003-04-14		Nitrogen, Total Kjeldahl	1.17	mg/L	
HCCD-09	WW_105	2002-10-14		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCD-09	WW_105	2003-08-11		Nitrogen, Total Kjeldahl	0.98	mg/L	
HCCD-09	WW_105	2002-09-09		Nitrogen, Total Kjeldahl	1.48	mg/L	
HCCD-09	WW_105	2001-05-14		Nitrogen, Total Kjeldahl	1.75	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2004-10-11		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-09	WW_105	2001-04-09		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCD-09	WW_105	2002-12-09		Nitrogen, Total Kjeldahl	1.07	mg/L	
HCCD-09	WW_105	2004-11-08		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCD-09	WW_105	2003-07-14		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCD-09	WW_105	2002-11-12		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCD-09	WW_105	2004-04-12		Nitrogen, Total Kjeldahl	1.08	mg/L	
HCCD-09	WW_105	2004-06-14		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCD-09	WW_105	2005-01-10		Nitrogen, Total Kjeldahl	1.35	mg/L	
HCCD-09	WW_105	2004-01-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-09	WW_105	2002-03-11		Nitrogen, Total Kjeldahl	1.44	mg/L	
HCCD-09	WW_105	2004-07-12		Nitrogen, Total Kjeldahl	1.29	mg/L	
HCCD-09	WW_105	2002-01-14		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-09	WW_105	2005-02-14		Nitrogen, Total Kjeldahl	2.69	mg/L	
HCCD-09	WW_105	2002-02-11		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCD-09	WW_105	2001-10-08		Nitrogen, Total Kjeldahl	1.61	mg/L	
HCCD-09	WW_105	2004-02-09		Nitrogen, Total Kjeldahl	0.75	mg/L	
HCCD-09	WW_105	2005-07-11		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCD-09	WW_105	2004-08-09		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-09	WW_105	2001-09-10		Nitrogen, Total Kjeldahl	1.55	mg/L	
HCCD-09	WW_105	2003-12-08		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCD-09	WW_105	2004-05-10		Nitrogen, Total Kjeldahl	0.77	mg/L	
HCCD-09	WW_105	2005-08-08		Nitrogen, Total Kjeldahl	0.72	mg/L	
HCCD-09	WW_105	2004-03-08		Nitrogen, Total Kjeldahl	0.48	mg/L	
HCCD-09	WW_105	2001-08-13		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCD-09	WW_105	2002-04-08		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCD-09	WW_105	2001-11-13		Nitrogen, Total Kjeldahl	1	mg/L	
HCCD-09	WW_105	2001-12-10		Nitrogen, Total Kjeldahl	0.74	mg/L	
HCCD-09	WW_105	2006-12-11		Nitrogen, Total Kjeldahl	1.05	mg/L	
HCCD-09	WW_105	2007-10-08		Nitrogen, Total Kjeldahl	1.02	mg/L	
HCCD-09	WW_105	2007-04-09		Nitrogen, Total Kjeldahl	1.99	mg/L	
HCCD-09	WW_105	2008-07-14		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCCD-09	WW_105	2008-01-14		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCD-09	WW_105	2008-02-11		Nitrogen, Total Kjeldahl	1.04	mg/L	
HCCD-09	WW_105	2008-10-13		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCCD-09	WW_105	2008-03-10		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-09	WW_105	2007-05-14		Nitrogen, Total Kjeldahl	1.23	mg/L	
HCCD-09	WW_105	2007-09-10		Nitrogen, Total Kjeldahl	1.36	mg/L	
HCCD-09	WW_105	2007-07-09		Nitrogen, Total Kjeldahl	0.97	mg/L	
HCCD-09	WW_105	2006-09-11		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCD-09	WW_105	2007-08-13		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCD-09	WW_105	2008-05-12		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-09	WW_105	2007-03-12		Nitrogen, Total Kjeldahl	2.33	mg/L	
HCCD-09	WW_105	2007-11-13		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-09	WW_105	2008-08-11		Nitrogen, Total Kjeldahl	0.81	mg/L	
HCCD-09	WW_105	2007-06-11		Nitrogen, Total Kjeldahl	1.63	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2008-06-09		Nitrogen, Total Kjeldahl	1.13	mg/L	
HCCD-09	WW_105	2006-10-09		Nitrogen, Total Kjeldahl	1.27	mg/L	
HCCD-09	WW_105	2006-11-13		Nitrogen, Total Kjeldahl	1.09	mg/L	
HCCD-09	WW_105	2008-09-08		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCD-09	WW_105	2008-04-14		Nitrogen, Total Kjeldahl	0.79	mg/L	
HCCD-09	WW_105	2007-12-10		Nitrogen, Total Kjeldahl	0.93	mg/L	
HCCD-09	WW_105	2007-01-08		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-09	WW_105	2010-04-12		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-09	WW_105	2010-05-10		Nitrogen, Total Kjeldahl	1.25	mg/L	
HCCD-09	WW_105	2009-04-13		Nitrogen, Total Kjeldahl	0.91	mg/L	
HCCD-09	WW_105	2006-01-09		Nitrogen, Total Kjeldahl	1.15	mg/L	
HCCD-09	WW_105	2010-03-08		Nitrogen, Total Kjeldahl	0.69	mg/L	
HCCD-09	WW_105	2009-05-11		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCD-09	WW_105	2006-05-08		Nitrogen, Total Kjeldahl	1.76	mg/L	
HCCD-09	WW_105	2009-02-09		Nitrogen, Total Kjeldahl	0.78	mg/L	
HCCD-09	WW_105	2005-12-12		Nitrogen, Total Kjeldahl	1.49	mg/L	
HCCD-09	WW_105	2010-06-14		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-09	WW_105	2009-03-09		Nitrogen, Total Kjeldahl	0.86	mg/L	
HCCD-09	WW_105	2006-06-12		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-09	WW_105	2009-08-10		Nitrogen, Total Kjeldahl	1.21	mg/L	
HCCD-09	WW_105	2009-11-09		Nitrogen, Total Kjeldahl	0.94	mg/L	
HCCD-09	WW_105	2006-02-14		Nitrogen, Total Kjeldahl	1.79	mg/L	
HCCD-09	WW_105	2009-10-12		Nitrogen, Total Kjeldahl	1.11	mg/L	
HCCD-09	WW_105	2009-09-14		Nitrogen, Total Kjeldahl	0.89	mg/L	
HCCD-09	WW_105	2006-03-13		Nitrogen, Total Kjeldahl	1.19	mg/L	
HCCD-09	WW_105	2010-02-08		Nitrogen, Total Kjeldahl	0.84	mg/L	
HCCD-09	WW_105	2009-06-08		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-09	WW_105	2009-07-13		Nitrogen, Total Kjeldahl	1.28	mg/L	
HCCD-09	WW_105	2009-12-14		Nitrogen, Total Kjeldahl	0.96	mg/L	
HCCD-09	WW_105	2010-01-11		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-09	WW_105	2006-04-10		Nitrogen, Total Kjeldahl	1.54	mg/L	
HCCD-09	WW_105	2009-01-12		Nitrogen, Total Kjeldahl	0.87	mg/L	
HCCD-09	WW_105	2006-08-14		Nitrogen, Total Kjeldahl	0.99	mg/L	
HCCD-09	WW_105	2008-11-10		Nitrogen, Total Kjeldahl	1.26	mg/L	
HCCD-09	WW_105	2008-12-08		Nitrogen, Total Kjeldahl	1.06	mg/L	
HCCD-09	WW_105	2010-08-09		Nitrogen, Total Kjeldahl	1.16	mg/L	
HCCD-09	WW_105	2005-11-14		Nitrogen, Total Kjeldahl	1.57	mg/L	
HCCD-09	WW_105	2006-07-10		Nitrogen, Total Kjeldahl	1.45	mg/L	
HCCD-09	WW_105	2010-09-13		Nitrogen, Total Kjeldahl	1.12	mg/L	
HCCD-09	WW_105	2010-07-12		Nitrogen, Total Kjeldahl	0.9	mg/L	
HCCD-09	WW_105	2005-10-10		Nitrogen, Total Kjeldahl	1.03	mg/L	
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Total Kjeldahl	1.28	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Nitrogen, Total Kjeldahl	1.28	mg/L	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Total Kjeldahl	1.24	mg/L	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Total Kjeldahl	1.7	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Total Kjeldahl	1.28	mg/L	8 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Total Kjeldahl	0.93	mg/L	4 ft
RHJ	RHJ-1	2003-05-08	10:38	Nitrogen, Total Kjeldahl	1.7	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Total Kjeldahl	1.48	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Total Kjeldahl	1.4	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Total Kjeldahl	1.16	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Total Kjeldahl	1.28	mg/L	8 ft
RHJ	RHJ-1	2001-06-22	11:15	Nitrogen, Total Kjeldahl	0.93	mg/L	4 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Total Kjeldahl	1.2	mg/L	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Nitrogen, Total Kjeldahl	1.24	mg/L	1.5 ft
RHJ	RHJ-1	2011-06-14	9:12	Nitrogen, Total Kjeldahl	0.721	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Nitrogen, Total Kjeldahl	0.655	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Nitrogen, Total Kjeldahl	0.934	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Nitrogen, Total Kjeldahl	0.97	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Nitrogen, Total Kjeldahl	1.04	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Nitrogen, Total Kjeldahl	1.16	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Total Kjeldahl	1.4	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Nitrogen, Total Kjeldahl	1.48	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Nitrogen, Total Kjeldahl	1.2	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Total Kjeldahl	1.5	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Total Kjeldahl	1.51	mg/L	4.5 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Total Kjeldahl	1.3	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Total Kjeldahl	1.5	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Total Kjeldahl	2.7	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Total Kjeldahl	2.5	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Total Kjeldahl	2.3	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Total Kjeldahl	1.4	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Nitrogen, Total Kjeldahl	1.5	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Total Kjeldahl	1.4	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Nitrogen, Total Kjeldahl	2.3	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Nitrogen, Total Kjeldahl	2.5	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Nitrogen, Total Kjeldahl	1.26	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Nitrogen, Total Kjeldahl	0.625	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Nitrogen, Total Kjeldahl	1.05	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Nitrogen, Total Kjeldahl	0.584	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Nitrogen, Total Kjeldahl	1.3	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Nitrogen, Total Kjeldahl	2.7	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Nitrogen, Total Kjeldahl	1.26	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Nitrogen, Total Kjeldahl	1.51	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Total Kjeldahl	0.79	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Nitrogen, Total Kjeldahl	1.5	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Nitrogen, Total Kjeldahl	0.79	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Total Kjeldahl	1.15	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Total Kjeldahl	1.11	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Nitrogen, Total Kjeldahl	3.89	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Total Kjeldahl	1.3	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Total Kjeldahl	1.04	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2011-06-14	10:53	Nitrogen, Total Kjeldahl	0.512	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Total Kjeldahl	2.44	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Total Kjeldahl	1.11	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Nitrogen, Total Kjeldahl	2.44	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Nitrogen, Total Kjeldahl	1.15	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Nitrogen, Total Kjeldahl	0.62	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Nitrogen, Total Kjeldahl	0.272	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Nitrogen, Total Kjeldahl	0.84	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Nitrogen, Total Kjeldahl	1.04	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Nitrogen, Total Kjeldahl	1.3	mg/L	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Nitrogen, Total Kjeldahl	0.48	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Nitrogen, Total Kjeldahl	0.51	mg/L	1 ft
RHJA	RHJA-2	2005-07-27	10:39	Nitrogen, Total Kjeldahl	1.51	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Nitrogen, Total Kjeldahl	0.62	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	10:58	Nitrogen, Total Kjeldahl	0.63	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Nitrogen, Total Kjeldahl	0.76	mg/L	12 ft
RHJ	RHJ-1	2000-06-27	10:30	Nitrogen, Total Kjeldahl in Sediments	4480	mg/Kg	14 ft
RHJ	RHJ-1	2000-06-27	10:30	Nitrogen, Total Kjeldahl in Sediments	4480	mg/Kg	14 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Total Kjeldahl in Sediments	3760	mg/Kg	4 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Total Kjeldahl in Sediments	15000	mg/Kg	10 ft
RHJ	RHJ-1	2001-07-16	14:12	Nitrogen, Total Kjeldahl in Sediments	3760	mg/Kg	4 ft
RHJ	RHJ-1	2011-06-14	9:18	Nitrogen, Total Kjeldahl in Sediments	3370	mg/Kg	8 ft
RHJ	RHJ-1	2003-06-10	9:17	Nitrogen, Total Kjeldahl in Sediments	15000	mg/Kg	10 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Total Kjeldahl in Sediments	25000	mg/Kg	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Nitrogen, Total Kjeldahl in Sediments	25000	mg/Kg	12 ft
RHJ	RHJ-3	2000-06-27	12:30	Nitrogen, Total Kjeldahl in Sediments	4200	mg/Kg	10 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Total Kjeldahl in Sediments	2900	mg/Kg	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Nitrogen, Total Kjeldahl in Sediments	2900	mg/Kg	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Nitrogen, Total Kjeldahl in Sediments	4200	mg/Kg	10 ft
RHJ	RHJ-3	2011-06-14	10:59	Nitrogen, Total Kjeldahl in Sediments	2850	mg/Kg	5 ft
HCC-07	HCC-07	2002-10-29	11:50	Oxygen, Dissolved	7.57	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Oxygen, Dissolved	10.74	mg/L	
HCC-07	HCC-07	2000-01-24	13:15	Oxygen, Dissolved	12.71	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Oxygen, Dissolved	11.24	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Oxygen, Dissolved	7.89	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Oxygen, Dissolved	7.08	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Oxygen, Dissolved	7.81	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Oxygen, Dissolved	8.32	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Oxygen, Dissolved	8.64	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Oxygen, Dissolved	6.76	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Oxygen, Dissolved	7.1	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Oxygen, Dissolved	15.43	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Oxygen, Dissolved	5.69	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Oxygen, Dissolved	9.44	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Oxygen, Dissolved	5.11	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Oxygen, Dissolved	12.28	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2000-07-11	12:30	Oxygen, Dissolved	6.22	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Oxygen, Dissolved	6.35	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Oxygen, Dissolved	5.81	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Oxygen, Dissolved	8.3	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Oxygen, Dissolved	6.74	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Oxygen, Dissolved	6.61	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Oxygen, Dissolved	5.37	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Oxygen, Dissolved	11.44	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Oxygen, Dissolved	11.04	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Oxygen, Dissolved	12.96	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Oxygen, Dissolved	7.37	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Oxygen, Dissolved	9.46	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Oxygen, Dissolved	6.38	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Oxygen, Dissolved	8.73	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Oxygen, Dissolved	6.28	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Oxygen, Dissolved	9.36	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Oxygen, Dissolved	6.86	mg/L	
HCC-07	HCC-07	2004-11-23	11:45	Oxygen, Dissolved	8.81	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Oxygen, Dissolved	5.84	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Oxygen, Dissolved	14.32	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Oxygen, Dissolved	4.2	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Oxygen, Dissolved	6.77	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Oxygen, Dissolved	6.13	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Oxygen, Dissolved	12.42	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Oxygen, Dissolved	11.22	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Oxygen, Dissolved	8.6	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Oxygen, Dissolved	11.51	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Oxygen, Dissolved	11.32	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Oxygen, Dissolved	5.99	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Oxygen, Dissolved	8.64	mg/L	
HCC-07	HCC-07	2012-04-16	9:15	Oxygen, Dissolved	6.5	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Oxygen, Dissolved	12.29	mg/L	
HCC-07	HCC-07	2012-06-25	8:30	Oxygen, Dissolved	4.6	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Oxygen, Dissolved	5.29	mg/L	
HCC-07	HCC-07	2012-09-17	9:15	Oxygen, Dissolved	6.44	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Oxygen, Dissolved	3.37	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Oxygen, Dissolved	9.47	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Oxygen, Dissolved	12.48	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Oxygen, Dissolved	6.17	mg/L	
HCC-07	HCC-07	2013-08-05	10:50	Oxygen, Dissolved	5.97	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Oxygen, Dissolved	9.34	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Oxygen, Dissolved	12.13	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Oxygen, Dissolved	11.62	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Oxygen, Dissolved	7.23	mg/L	
HCC-07	HCC-07	2013-03-14	8:00	Oxygen, Dissolved	11.88	mg/L	
HCC-07	HCC-07	2012-10-29	11:00	Oxygen, Dissolved	8.55	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2012-12-17	8:45	Oxygen, Dissolved	10.33	mg/L	
HCC-07	HCC-07	2013-01-30	9:55	Oxygen, Dissolved	11.71	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Oxygen, Dissolved	8.04	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Oxygen, Dissolved	9.49	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Oxygen, Dissolved	6.98	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Oxygen, Dissolved	6.77	mg/L	
HCC-07	HCC-07	2008-10-08	10:40	Oxygen, Dissolved	13.08	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Oxygen, Dissolved	9.83	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Oxygen, Dissolved	7.65	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Oxygen, Dissolved	15.68	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Oxygen, Dissolved	5.95	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Oxygen, Dissolved	5.11	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Oxygen, Dissolved	11.1	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Oxygen, Dissolved	5.58	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Oxygen, Dissolved	17.89	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Oxygen, Dissolved	6.32	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Oxygen, Dissolved	8.02	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Oxygen, Dissolved	11.91	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Oxygen, Dissolved	11.58	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Oxygen, Dissolved	5.45	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Oxygen, Dissolved	5.29	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Oxygen, Dissolved	3.68	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Oxygen, Dissolved	5.04	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Oxygen, Dissolved	4.98	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Oxygen, Dissolved	5.28	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Oxygen, Dissolved	11.24	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Oxygen, Dissolved	12.46	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Oxygen, Dissolved	12.63	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Oxygen, Dissolved	12.26	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Oxygen, Dissolved	6.62	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Oxygen, Dissolved	7.94	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Oxygen, Dissolved	8.87	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Oxygen, Dissolved	6.97	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Oxygen, Dissolved	5.2	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Oxygen, Dissolved	4.66	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Oxygen, Dissolved	7.86	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Oxygen, Dissolved	9.55	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Oxygen, Dissolved	11.07	mg/L	
HCC-07	HCC-07	2005-01-11	11:15	Oxygen, Dissolved	11.83	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Oxygen, Dissolved	10.7	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Oxygen, Dissolved	6.06	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Oxygen, Dissolved	6.91	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Oxygen, Dissolved	7.81	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Oxygen, Dissolved	5.02	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Oxygen, Dissolved	11.27	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Oxygen, Dissolved	12.91	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2011-06-28	11:30	Oxygen, Dissolved	4.75	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Oxygen, Dissolved	19.4	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Oxygen, Dissolved	5.66	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Oxygen, Dissolved	3.35	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Oxygen, Dissolved	5.86	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Oxygen, Dissolved	10.4	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Oxygen, Dissolved	13.57	mg/L	
HCC-07	WW_34	2012-04-09		Oxygen, Dissolved	10.2	mg/L	
HCC-07	WW_34	2011-09-12		Oxygen, Dissolved	5.2	mg/L	
HCC-07	WW_34	2011-05-09		Oxygen, Dissolved	10	mg/L	
HCC-07	WW_34	2011-07-11		Oxygen, Dissolved	4	mg/L	
HCC-07	WW_34	2011-08-08		Oxygen, Dissolved	5	mg/L	
HCC-07	WW_34	2012-05-14		Oxygen, Dissolved	8	mg/L	
HCC-07	WW_34	2011-12-12		Oxygen, Dissolved	11.9	mg/L	
HCC-07	WW_34	2012-06-11		Oxygen, Dissolved	4.2	mg/L	
HCC-07	WW_34	2011-01-10		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_34	2011-06-13		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_34	2011-10-10		Oxygen, Dissolved	5.2	mg/L	
HCC-07	WW_34	2012-03-12		Oxygen, Dissolved	8.8	mg/L	
HCC-07	WW_34	2011-03-14		Oxygen, Dissolved	11.5	mg/L	
HCC-07	WW_34	2012-01-17		Oxygen, Dissolved	10.1	mg/L	
HCC-07	WW_34	2012-02-14		Oxygen, Dissolved	12.8	mg/L	
HCC-07	WW_34	2012-07-16		Oxygen, Dissolved	4	mg/L	
HCC-07	WW_34	2011-11-14		Oxygen, Dissolved	4.5	mg/L	
HCC-07	WW_34	2011-04-11		Oxygen, Dissolved	5.3	mg/L	
HCC-07	WW_34	2004-12-13		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_34	2005-03-14		Oxygen, Dissolved	12.6	mg/L	
HCC-07	WW_34	2005-05-09		Oxygen, Dissolved	4.2	mg/L	
HCC-07	WW_34	2004-09-13		Oxygen, Dissolved	5.9	mg/L	
HCC-07	WW_34	2005-10-10		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_34	2005-09-12		Oxygen, Dissolved	5.4	mg/L	
HCC-07	WW_34	2004-08-09		Oxygen, Dissolved	5.6	mg/L	
HCC-07	WW_34	2005-07-11		Oxygen, Dissolved	5.9	mg/L	
HCC-07	WW_34	2005-01-10		Oxygen, Dissolved	9.3	mg/L	
HCC-07	WW_34	2004-06-14		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_34	2005-04-11		Oxygen, Dissolved	8.8	mg/L	
HCC-07	WW_34	2004-11-08		Oxygen, Dissolved	8.2	mg/L	
HCC-07	WW_34	2004-07-12		Oxygen, Dissolved	5.6	mg/L	
HCC-07	WW_34	2004-10-11		Oxygen, Dissolved	9.8	mg/L	
HCC-07	WW_34	2005-08-08		Oxygen, Dissolved	5.5	mg/L	
HCC-07	WW_34	2005-02-14		Oxygen, Dissolved	11.9	mg/L	
HCC-07	WW_34	2005-06-13		Oxygen, Dissolved	4.1	mg/L	
HCC-07	WW_34	2006-03-13		Oxygen, Dissolved	10.1	mg/L	
HCC-07	WW_34	2006-12-11		Oxygen, Dissolved	9.9	mg/L	
HCC-07	WW_34	2006-07-10		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2006-08-14		Oxygen, Dissolved	5.4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-05-08		Oxygen, Dissolved	7.3	mg/L	
HCC-07	WW_34	2006-01-09		Oxygen, Dissolved	9.1	mg/L	
HCC-07	WW_34	2006-10-09		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_34	2006-06-12		Oxygen, Dissolved	7.1	mg/L	
HCC-07	WW_34	2007-03-12		Oxygen, Dissolved	11.1	mg/L	
HCC-07	WW_34	2006-04-10		Oxygen, Dissolved	10.2	mg/L	
HCC-07	WW_34	2007-04-09		Oxygen, Dissolved	9.1	mg/L	
HCC-07	WW_34	2006-09-11		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_34	2005-11-14		Oxygen, Dissolved	4.3	mg/L	
HCC-07	WW_34	2006-02-14		Oxygen, Dissolved	12.4	mg/L	
HCC-07	WW_34	2006-11-13		Oxygen, Dissolved	9	mg/L	
HCC-07	WW_34	2007-01-08		Oxygen, Dissolved	9.7	mg/L	
HCC-07	WW_34	2008-11-10		Oxygen, Dissolved	4.6	mg/L	
HCC-07	WW_34	2009-09-14		Oxygen, Dissolved	6.1	mg/L	
HCC-07	WW_34	2009-08-10		Oxygen, Dissolved	4.3	mg/L	
HCC-07	WW_34	2007-11-13		Oxygen, Dissolved	5.9	mg/L	
HCC-07	WW_34	2009-11-09		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_34	2009-03-09		Oxygen, Dissolved	10.3	mg/L	
HCC-07	WW_34	2008-10-13		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2007-09-10		Oxygen, Dissolved	3.5	mg/L	
HCC-07	WW_34	2007-10-08		Oxygen, Dissolved	3.8	mg/L	
HCC-07	WW_34	2008-05-12		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_34	2009-10-12		Oxygen, Dissolved	8.7	mg/L	
HCC-07	WW_34	2009-07-13		Oxygen, Dissolved	5.2	mg/L	
HCC-07	WW_34	2009-05-11		Oxygen, Dissolved	7	mg/L	
HCC-07	WW_34	2009-02-09		Oxygen, Dissolved	9.5	mg/L	
HCC-07	WW_34	2009-04-13		Oxygen, Dissolved	9	mg/L	
HCC-07	WW_34	2008-03-10		Oxygen, Dissolved	11.1	mg/L	
HCC-07	WW_34	2008-12-08		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_34	2007-12-10		Oxygen, Dissolved	7.2	mg/L	
HCC-07	WW_34	2009-06-08		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_34	2008-04-14		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_34	2009-01-12		Oxygen, Dissolved	11.7	mg/L	
HCC-07	WW_34	2008-01-14		Oxygen, Dissolved	10.2	mg/L	
HCC-07	WW_34	2010-07-12		Oxygen, Dissolved	4.7	mg/L	
HCC-07	WW_34	2008-06-09		Oxygen, Dissolved	4.7	mg/L	
HCC-07	WW_34	2010-06-14		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_34	2007-07-09		Oxygen, Dissolved	3	mg/L	
HCC-07	WW_34	2008-09-08		Oxygen, Dissolved	5.5	mg/L	
HCC-07	WW_34	2008-07-14		Oxygen, Dissolved	4.9	mg/L	
HCC-07	WW_34	2007-05-14		Oxygen, Dissolved	7.3	mg/L	
HCC-07	WW_34	2008-08-11		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2007-06-11		Oxygen, Dissolved	6.3	mg/L	
HCC-07	WW_34	2010-08-09		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2010-04-12		Oxygen, Dissolved	9.6	mg/L	
HCC-07	WW_34	2010-02-08		Oxygen, Dissolved	12.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2007-08-13		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2009-12-14		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_34	2010-03-08		Oxygen, Dissolved	11.6	mg/L	
HCC-07	WW_34	2010-01-11		Oxygen, Dissolved	9.3	mg/L	
HCC-07	WW_34	2010-05-10		Oxygen, Dissolved	7.3	mg/L	
HCC-07	WW_34	2003-12-08		Oxygen, Dissolved	10.5	mg/L	
HCC-07	WW_34	2003-04-14		Oxygen, Dissolved	8.1	mg/L	
HCC-07	WW_34	2001-01-16		Oxygen, Dissolved	9.8	mg/L	
HCC-07	WW_34	2002-06-10		Oxygen, Dissolved	7.3	mg/L	
HCC-07	WW_34	2002-02-11		Oxygen, Dissolved	9.2	mg/L	
HCC-07	WW_34	2001-11-13		Oxygen, Dissolved	8.4	mg/L	
HCC-07	WW_34	2003-03-10		Oxygen, Dissolved	7.6	mg/L	
HCC-07	WW_34	2001-03-12		Oxygen, Dissolved	12.8	mg/L	
HCC-07	WW_34	2002-03-11		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_34	2003-05-12		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_34	2004-01-12		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_34	2002-04-08		Oxygen, Dissolved	9.7	mg/L	
HCC-07	WW_34	2001-02-13		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_34	2004-02-09		Oxygen, Dissolved	6.9	mg/L	
HCC-07	WW_34	2001-08-13		Oxygen, Dissolved	5.1	mg/L	
HCC-07	WW_34	2003-06-09		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_34	2002-05-13		Oxygen, Dissolved	6.7	mg/L	
HCC-07	WW_34	2001-07-09		Oxygen, Dissolved	5.8	mg/L	
HCC-07	WW_34	2004-03-08		Oxygen, Dissolved	10	mg/L	
HCC-07	WW_34	2002-09-09		Oxygen, Dissolved	5.6	mg/L	
HCC-07	WW_34	2002-01-14		Oxygen, Dissolved	10.7	mg/L	
HCC-07	WW_34	2003-08-11		Oxygen, Dissolved	5.3	mg/L	
HCC-07	WW_34	2001-12-10		Oxygen, Dissolved	1	mg/L	
HCC-07	WW_34	2002-10-14		Oxygen, Dissolved	7.1	mg/L	
HCC-07	WW_34	2004-05-10		Oxygen, Dissolved	6.4	mg/L	
HCC-07	WW_34	2003-09-08		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2001-05-14		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_34	2002-11-12		Oxygen, Dissolved	5.5	mg/L	
HCC-07	WW_34	2001-09-10		Oxygen, Dissolved	4.9	mg/L	
HCC-07	WW_34	2003-01-13		Oxygen, Dissolved	11.7	mg/L	
HCC-07	WW_34	2001-06-11		Oxygen, Dissolved	5.6	mg/L	
HCC-07	WW_34	2004-04-12		Oxygen, Dissolved	11.3	mg/L	
HCC-07	WW_34	2003-11-10		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_34	2001-10-08		Oxygen, Dissolved	7.6	mg/L	
HCC-07	WW_34	2002-07-08		Oxygen, Dissolved	4.5	mg/L	
HCC-07	WW_34	2002-12-09		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_34	2003-07-14		Oxygen, Dissolved	6.2	mg/L	
HCC-07	WW_34	2001-04-09		Oxygen, Dissolved	8.2	mg/L	
HCC-07	WW_34	2002-08-12		Oxygen, Dissolved	4.8	mg/L	
HCC-07	WW_34	2003-10-13		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_96	2014-06-09		Oxygen, Dissolved	6.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2014-04-14		Oxygen, Dissolved	7	mg/L	
HCC-07	WW_96	2012-04-09		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_96	2010-12-13		Oxygen, Dissolved	12.2	mg/L	
HCC-07	WW_96	2011-09-12		Oxygen, Dissolved	8.3	mg/L	
HCC-07	WW_96	2014-05-12		Oxygen, Dissolved	7.7	mg/L	
HCC-07	WW_96	2014-11-10		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_96	2012-01-17		Oxygen, Dissolved	11.9	mg/L	
HCC-07	WW_96	2014-10-13		Oxygen, Dissolved	8.8	mg/L	
HCC-07	WW_96	2011-11-14		Oxygen, Dissolved	9	mg/L	
HCC-07	WW_96	2011-12-12		Oxygen, Dissolved	12.2	mg/L	
HCC-07	WW_96	2010-10-11		Oxygen, Dissolved	8.1	mg/L	
HCC-07	WW_96	2014-12-08		Oxygen, Dissolved	12.2	mg/L	
HCC-07	WW_96	2014-08-11		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_96	2012-03-12		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_96	2014-07-14		Oxygen, Dissolved	5.5	mg/L	
HCC-07	WW_96	2011-10-10		Oxygen, Dissolved	7.6	mg/L	
HCC-07	WW_96	2014-09-15		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_96	2010-11-08		Oxygen, Dissolved	9.2	mg/L	
HCC-07	WW_96	2012-02-14		Oxygen, Dissolved	7	mg/L	
HCC-07	WW_96	2012-09-10		Oxygen, Dissolved	6.2	mg/L	
HCC-07	WW_96	2013-05-13		Oxygen, Dissolved	8.1	mg/L	
HCC-07	WW_96	2013-04-08		Oxygen, Dissolved	10.1	mg/L	
HCC-07	WW_96	2012-08-13		Oxygen, Dissolved	2.7	mg/L	
HCC-07	WW_96	2011-06-13		Oxygen, Dissolved	7.6	mg/L	
HCC-07	WW_96	2013-06-10		Oxygen, Dissolved	6.1	mg/L	
HCC-07	WW_96	2013-01-14		Oxygen, Dissolved	10	mg/L	
HCC-07	WW_96	2012-12-10		Oxygen, Dissolved	6.7	mg/L	
HCC-07	WW_96	2011-05-09		Oxygen, Dissolved	8.7	mg/L	
HCC-07	WW_96	2013-02-11		Oxygen, Dissolved	9.6	mg/L	
HCC-07	WW_96	2013-03-11		Oxygen, Dissolved	9	mg/L	
HCC-07	WW_96	2012-10-08		Oxygen, Dissolved	9.7	mg/L	
HCC-07	WW_96	2011-04-11		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_96	2012-11-13		Oxygen, Dissolved	8.5	mg/L	
HCC-07	WW_96	2013-07-15		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_96	2013-12-09		Oxygen, Dissolved	12.4	mg/L	
HCC-07	WW_96	2011-01-10		Oxygen, Dissolved	11.8	mg/L	
HCC-07	WW_96	2014-03-10		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_96	2014-01-13		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_96	2011-08-08		Oxygen, Dissolved	5	mg/L	
HCC-07	WW_96	2012-05-14		Oxygen, Dissolved	8.2	mg/L	
HCC-07	WW_96	2012-06-11		Oxygen, Dissolved	7	mg/L	
HCC-07	WW_96	2012-07-16		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_96	2013-09-16		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_96	2011-03-14		Oxygen, Dissolved	10.2	mg/L	
HCC-07	WW_96	2013-08-12		Oxygen, Dissolved	7.5	mg/L	
HCC-07	WW_96	2011-07-11		Oxygen, Dissolved	6.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2013-11-12		Oxygen, Dissolved	8.8	mg/L	
HCC-07	WW_96	2013-10-14		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_96	2005-06-13		Oxygen, Dissolved	3.6	mg/L	
HCC-07	WW_96	2005-05-09		Oxygen, Dissolved	7.5	mg/L	
HCC-07	WW_96	2004-12-13		Oxygen, Dissolved	10.7	mg/L	
HCC-07	WW_96	2004-11-08		Oxygen, Dissolved	9.2	mg/L	
HCC-07	WW_96	2005-04-11		Oxygen, Dissolved	9.2	mg/L	
HCC-07	WW_96	2005-10-10		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_96	2004-08-09		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_96	2004-06-14		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_96	2004-07-12		Oxygen, Dissolved	7.6	mg/L	
HCC-07	WW_96	2005-02-14		Oxygen, Dissolved	9.9	mg/L	
HCC-07	WW_96	2005-08-08		Oxygen, Dissolved	8.1	mg/L	
HCC-07	WW_96	2004-10-11		Oxygen, Dissolved	9.5	mg/L	
HCC-07	WW_96	2005-07-11		Oxygen, Dissolved	8.4	mg/L	
HCC-07	WW_96	2005-09-12		Oxygen, Dissolved	7	mg/L	
HCC-07	WW_96	2005-01-10		Oxygen, Dissolved	11.8	mg/L	
HCC-07	WW_96	2004-09-13		Oxygen, Dissolved	7.7	mg/L	
HCC-07	WW_96	2005-03-14		Oxygen, Dissolved	13.7	mg/L	
HCC-07	WW_96	2010-05-10		Oxygen, Dissolved	8.6	mg/L	
HCC-07	WW_96	2008-05-12		Oxygen, Dissolved	5.5	mg/L	
HCC-07	WW_96	2008-10-13		Oxygen, Dissolved	7.7	mg/L	
HCC-07	WW_96	2010-09-13		Oxygen, Dissolved	6.2	mg/L	
HCC-07	WW_96	2007-05-14		Oxygen, Dissolved	10.1	mg/L	
HCC-07	WW_96	2007-08-13		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_96	2008-07-14		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_96	2010-03-08		Oxygen, Dissolved	8.3	mg/L	
HCC-07	WW_96	2006-01-09		Oxygen, Dissolved	12	mg/L	
HCC-07	WW_96	2006-10-09		Oxygen, Dissolved	8.2	mg/L	
HCC-07	WW_96	2010-04-12		Oxygen, Dissolved	10.8	mg/L	
HCC-07	WW_96	2007-04-09		Oxygen, Dissolved	11.1	mg/L	
HCC-07	WW_96	2010-07-12		Oxygen, Dissolved	4.3	mg/L	
HCC-07	WW_96	2008-08-11		Oxygen, Dissolved	7.3	mg/L	
HCC-07	WW_96	2010-08-09		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_96	2008-09-08		Oxygen, Dissolved	6.7	mg/L	
HCC-07	WW_96	2006-08-14		Oxygen, Dissolved	6.7	mg/L	
HCC-07	WW_96	2006-09-11		Oxygen, Dissolved	6.2	mg/L	
HCC-07	WW_96	2008-06-09		Oxygen, Dissolved	4.9	mg/L	
HCC-07	WW_96	2007-06-11		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_96	2007-07-09		Oxygen, Dissolved	6.3	mg/L	
HCC-07	WW_96	2005-11-14		Oxygen, Dissolved	6.8	mg/L	
HCC-07	WW_96	2010-06-14		Oxygen, Dissolved	6	mg/L	
HCC-07	WW_96	2007-01-08		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_96	2007-11-13		Oxygen, Dissolved	7.8	mg/L	
HCC-07	WW_96	2009-03-09		Oxygen, Dissolved	11.3	mg/L	
HCC-07	WW_96	2006-04-10		Oxygen, Dissolved	12.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-04-14		Oxygen, Dissolved	10.8	mg/L	
HCC-07	WW_96	2009-07-13		Oxygen, Dissolved	7.9	mg/L	
HCC-07	WW_96	2008-03-10		Oxygen, Dissolved	12.4	mg/L	
HCC-07	WW_96	2009-08-10		Oxygen, Dissolved	5.8	mg/L	
HCC-07	WW_96	2008-02-11		Oxygen, Dissolved	8	mg/L	
HCC-07	WW_96	2006-05-08		Oxygen, Dissolved	9.1	mg/L	
HCC-07	WW_96	2009-05-11		Oxygen, Dissolved	7.5	mg/L	
HCC-07	WW_96	2008-01-14		Oxygen, Dissolved	9.5	mg/L	
HCC-07	WW_96	2006-06-12		Oxygen, Dissolved	7.7	mg/L	
HCC-07	WW_96	2006-12-11		Oxygen, Dissolved	10.6	mg/L	
HCC-07	WW_96	2009-06-08		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_96	2007-12-10		Oxygen, Dissolved	12.2	mg/L	
HCC-07	WW_96	2009-04-13		Oxygen, Dissolved	10	mg/L	
HCC-07	WW_96	2008-12-08		Oxygen, Dissolved	10.5	mg/L	
HCC-07	WW_96	2006-02-14		Oxygen, Dissolved	11.6	mg/L	
HCC-07	WW_96	2009-12-14		Oxygen, Dissolved	11.6	mg/L	
HCC-07	WW_96	2007-09-10		Oxygen, Dissolved	4.7	mg/L	
HCC-07	WW_96	2008-11-10		Oxygen, Dissolved	9.3	mg/L	
HCC-07	WW_96	2006-11-13		Oxygen, Dissolved	9.4	mg/L	
HCC-07	WW_96	2010-02-08		Oxygen, Dissolved	13	mg/L	
HCC-07	WW_96	2007-03-12		Oxygen, Dissolved	9	mg/L	
HCC-07	WW_96	2009-10-12		Oxygen, Dissolved	8.5	mg/L	
HCC-07	WW_96	2006-03-13		Oxygen, Dissolved	9.7	mg/L	
HCC-07	WW_96	2009-09-14		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_96	2009-02-09		Oxygen, Dissolved	10.7	mg/L	
HCC-07	WW_96	2007-10-08		Oxygen, Dissolved	5.3	mg/L	
HCC-07	WW_96	2009-01-12		Oxygen, Dissolved	6.9	mg/L	
HCC-07	WW_96	2009-11-09		Oxygen, Dissolved	8.7	mg/L	
HCC-07	WW_96	2006-07-10		Oxygen, Dissolved	6.6	mg/L	
HCC-07	WW_96	2001-01-16		Oxygen, Dissolved	6.7	mg/L	
HCC-07	WW_96	2001-05-14		Oxygen, Dissolved	6.9	mg/L	
HCC-07	WW_96	2001-02-13		Oxygen, Dissolved	7.5	mg/L	
HCC-07	WW_96	2002-10-14		Oxygen, Dissolved	6.3	mg/L	
HCC-07	WW_96	2003-09-08		Oxygen, Dissolved	6.3	mg/L	
HCC-07	WW_96	2003-05-12		Oxygen, Dissolved	7.8	mg/L	
HCC-07	WW_96	2003-07-14		Oxygen, Dissolved	7.4	mg/L	
HCC-07	WW_96	2002-12-09		Oxygen, Dissolved	11.1	mg/L	
HCC-07	WW_96	2001-03-12		Oxygen, Dissolved	10.6	mg/L	
HCC-07	WW_96	2001-04-09		Oxygen, Dissolved	7.8	mg/L	
HCC-07	WW_96	2003-01-13		Oxygen, Dissolved	8.9	mg/L	
HCC-07	WW_96	2003-06-09		Oxygen, Dissolved	6.4	mg/L	
HCC-07	WW_96	2002-11-12		Oxygen, Dissolved	4	mg/L	
HCC-07	WW_96	2003-08-11		Oxygen, Dissolved	4.9	mg/L	
HCC-07	WW_96	2003-04-14		Oxygen, Dissolved	11.1	mg/L	
HCC-07	WW_96	2001-09-10		Oxygen, Dissolved	5.3	mg/L	
HCC-07	WW_96	2002-02-11		Oxygen, Dissolved	10.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-04-12		Oxygen, Dissolved	14.9	mg/L	
HCC-07	WW_96	2001-08-13		Oxygen, Dissolved	4.9	mg/L	
HCC-07	WW_96	2004-03-08		Oxygen, Dissolved	11	mg/L	
HCC-07	WW_96	2002-03-11		Oxygen, Dissolved	11.2	mg/L	
HCC-07	WW_96	2001-10-08		Oxygen, Dissolved	8.4	mg/L	
HCC-07	WW_96	2001-11-13		Oxygen, Dissolved	9.3	mg/L	
HCC-07	WW_96	2002-01-14		Oxygen, Dissolved	10.9	mg/L	
HCC-07	WW_96	2001-12-10		Oxygen, Dissolved	10.2	mg/L	
HCC-07	WW_96	2004-05-10		Oxygen, Dissolved	9.2	mg/L	
HCC-07	WW_96	2001-06-11		Oxygen, Dissolved	5.8	mg/L	
HCC-07	WW_96	2002-07-08		Oxygen, Dissolved	5.2	mg/L	
HCC-07	WW_96	2003-11-10		Oxygen, Dissolved	10	mg/L	
HCC-07	WW_96	2002-09-09		Oxygen, Dissolved	5.9	mg/L	
HCC-07	WW_96	2002-08-12		Oxygen, Dissolved	6.4	mg/L	
HCC-07	WW_96	2003-10-13		Oxygen, Dissolved	5.1	mg/L	
HCC-07	WW_96	2004-01-12		Oxygen, Dissolved	7.9	mg/L	
HCC-07	WW_96	2002-04-08		Oxygen, Dissolved	6.1	mg/L	
HCC-07	WW_96	2002-06-10		Oxygen, Dissolved	6.5	mg/L	
HCC-07	WW_96	2003-12-08		Oxygen, Dissolved	9.8	mg/L	
HCC-07	WW_96	2002-05-13		Oxygen, Dissolved	8	mg/L	
HCC-07	WW_96	2001-07-09		Oxygen, Dissolved	5.6	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Oxygen, Dissolved	8.92	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Oxygen, Dissolved	7.76	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Oxygen, Dissolved	9.71	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Oxygen, Dissolved	9.38	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Oxygen, Dissolved	6.05	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Oxygen, Dissolved	7.5	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Oxygen, Dissolved	7.35	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Oxygen, Dissolved	7.47	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Oxygen, Dissolved	9.02	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Oxygen, Dissolved	11.51	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Oxygen, Dissolved	9.86	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Oxygen, Dissolved	5.67	mg/L	
HCCB-05	WW_106	2012-02-14		Oxygen, Dissolved	9.1	mg/L	
HCCB-05	WW_106	2011-12-12		Oxygen, Dissolved	9.1	mg/L	
HCCB-05	WW_106	2010-11-08		Oxygen, Dissolved	8.4	mg/L	
HCCB-05	WW_106	2012-03-12		Oxygen, Dissolved	8.7	mg/L	
HCCB-05	WW_106	2010-12-13		Oxygen, Dissolved	11.6	mg/L	
HCCB-05	WW_106	2012-01-17		Oxygen, Dissolved	7.6	mg/L	
HCCB-05	WW_106	2011-11-14		Oxygen, Dissolved	6.7	mg/L	
HCCB-05	WW_106	2011-07-11		Oxygen, Dissolved	4.9	mg/L	
HCCB-05	WW_106	2012-07-16		Oxygen, Dissolved	3.2	mg/L	
HCCB-05	WW_106	2011-03-14		Oxygen, Dissolved	7.9	mg/L	
HCCB-05	WW_106	2011-05-09		Oxygen, Dissolved	10.1	mg/L	
HCCB-05	WW_106	2011-06-13		Oxygen, Dissolved	5.6	mg/L	
HCCB-05	WW_106	2011-04-11		Oxygen, Dissolved	9.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-02-14		Oxygen, Dissolved	10	mg/L	
HCCB-05	WW_106	2011-08-08		Oxygen, Dissolved	4.2	mg/L	
HCCB-05	WW_106	2011-01-10		Oxygen, Dissolved	10.5	mg/L	
HCCB-05	WW_106	2012-05-14		Oxygen, Dissolved	8	mg/L	
HCCB-05	WW_106	2004-03-08		Oxygen, Dissolved	10.8	mg/L	
HCCB-05	WW_106	2001-05-14		Oxygen, Dissolved	8.3	mg/L	
HCCB-05	WW_106	2005-08-08		Oxygen, Dissolved	9.8	mg/L	
HCCB-05	WW_106	2004-05-10		Oxygen, Dissolved	7.8	mg/L	
HCCB-05	WW_106	2005-02-14		Oxygen, Dissolved	11	mg/L	
HCCB-05	WW_106	2004-06-14		Oxygen, Dissolved	1.4	mg/L	
HCCB-05	WW_106	2003-05-12		Oxygen, Dissolved	7.6	mg/L	
HCCB-05	WW_106	2001-03-12		Oxygen, Dissolved	13	mg/L	
HCCB-05	WW_106	2004-11-08		Oxygen, Dissolved	8.9	mg/L	
HCCB-05	WW_106	2001-04-09		Oxygen, Dissolved	10.6	mg/L	
HCCB-05	WW_106	2003-07-14		Oxygen, Dissolved	7.6	mg/L	
HCCB-05	WW_106	2002-02-11		Oxygen, Dissolved	12	mg/L	
HCCB-05	WW_106	2001-09-10		Oxygen, Dissolved	6.5	mg/L	
HCCB-05	WW_106	2001-06-11		Oxygen, Dissolved	9.3	mg/L	
HCCB-05	WW_106	2003-10-13		Oxygen, Dissolved	5.8	mg/L	
HCCB-05	WW_106	2002-08-12		Oxygen, Dissolved	8	mg/L	
HCCB-05	WW_106	2004-02-09		Oxygen, Dissolved	11.2	mg/L	
HCCB-05	WW_106	2002-06-10		Oxygen, Dissolved	5.1	mg/L	
HCCB-05	WW_106	2005-03-14		Oxygen, Dissolved	13.1	mg/L	
HCCB-05	WW_106	2002-03-11		Oxygen, Dissolved	11.1	mg/L	
HCCB-05	WW_106	2002-04-08		Oxygen, Dissolved	10	mg/L	
HCCB-05	WW_106	2002-05-13		Oxygen, Dissolved	8.5	mg/L	
HCCB-05	WW_106	2004-10-11		Oxygen, Dissolved	8	mg/L	
HCCB-05	WW_106	2010-03-08		Oxygen, Dissolved	9.4	mg/L	
HCCB-05	WW_106	2006-09-11		Oxygen, Dissolved	7	mg/L	
HCCB-05	WW_106	2008-12-08		Oxygen, Dissolved	6.5	mg/L	
HCCB-05	WW_106	2010-08-09		Oxygen, Dissolved	6.1	mg/L	
HCCB-05	WW_106	2010-04-12		Oxygen, Dissolved	7.5	mg/L	
HCCB-05	WW_106	2008-03-10		Oxygen, Dissolved	9.2	mg/L	
HCCB-05	WW_106	2009-11-09		Oxygen, Dissolved	7.6	mg/L	
HCCB-05	WW_106	2007-12-10		Oxygen, Dissolved	8.8	mg/L	
HCCB-05	WW_106	2009-08-10		Oxygen, Dissolved	6.1	mg/L	
HCCB-05	WW_106	2008-11-10		Oxygen, Dissolved	11	mg/L	
HCCB-05	WW_106	2009-12-14		Oxygen, Dissolved	8.6	mg/L	
HCCB-05	WW_106	2008-04-14		Oxygen, Dissolved	7.3	mg/L	
HCCB-05	WW_106	2010-09-13		Oxygen, Dissolved	5.6	mg/L	
HCCB-05	WW_106	2007-01-08		Oxygen, Dissolved	9.6	mg/L	
HCCB-05	WW_106	2008-10-13		Oxygen, Dissolved	3.4	mg/L	
HCCB-05	WW_106	2008-05-12		Oxygen, Dissolved	9.3	mg/L	
HCCB-05	WW_106	2010-02-08		Oxygen, Dissolved	10.3	mg/L	
HCCB-05	WW_106	2009-06-08		Oxygen, Dissolved	7.5	mg/L	
HCCB-05	WW_106	2009-01-12		Oxygen, Dissolved	10.6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2008-07-14		Oxygen, Dissolved	4.2	mg/L	
HCCB-05	WW_106	2006-12-11		Oxygen, Dissolved	8.7	mg/L	
HCCB-05	WW_106	2007-08-13		Oxygen, Dissolved	5.8	mg/L	
HCCB-05	WW_106	2006-03-13		Oxygen, Dissolved	8.2	mg/L	
HCCB-05	WW_106	2008-08-11		Oxygen, Dissolved	5.9	mg/L	
HCCB-05	WW_106	2010-10-11		Oxygen, Dissolved	7.2	mg/L	
HCCB-05	WW_106	2009-02-09		Oxygen, Dissolved	8.4	mg/L	
HCCB-05	WW_106	2009-10-12		Oxygen, Dissolved	8.6	mg/L	
HCCB-05	WW_106	2010-07-12		Oxygen, Dissolved	5	mg/L	
HCCB-05	WW_106	2009-03-09		Oxygen, Dissolved	8.6	mg/L	
HCCB-05	WW_106	2009-09-14		Oxygen, Dissolved	7.1	mg/L	
HCCB-05	WW_106	2008-09-08		Oxygen, Dissolved	5.9	mg/L	
HCCB-05	WW_106	2005-11-14		Oxygen, Dissolved	7.3	mg/L	
HCCB-05	WW_106	2006-01-09		Oxygen, Dissolved	9.4	mg/L	
HCCB-05	WW_106	2009-05-11		Oxygen, Dissolved	8.5	mg/L	
HCCB-05	WW_106	2008-06-09		Oxygen, Dissolved	6.8	mg/L	
HCCB-05	WW_106	2010-05-10		Oxygen, Dissolved	9.2	mg/L	
HCCB-05	WW_106	2009-04-13		Oxygen, Dissolved	4	mg/L	
HCCB-05	WW_106	2006-10-09		Oxygen, Dissolved	7.2	mg/L	
HCCB-05	WW_106	2008-01-14		Oxygen, Dissolved	6.7	mg/L	
HCCB-05	WW_106	2007-03-12		Oxygen, Dissolved	10.8	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Oxygen, Dissolved	13.43	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Oxygen, Dissolved	11.2	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Oxygen, Dissolved	5.26	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Oxygen, Dissolved	11.54	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Oxygen, Dissolved	12.74	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Oxygen, Dissolved	3.49	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Oxygen, Dissolved	3.6	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Oxygen, Dissolved	4.54	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Oxygen, Dissolved	8.28	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Oxygen, Dissolved	9.37	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Oxygen, Dissolved	4.69	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Oxygen, Dissolved	10.82	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Oxygen, Dissolved	12.97	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Oxygen, Dissolved	0.95	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Oxygen, Dissolved	3.78	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Oxygen, Dissolved	2.88	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Oxygen, Dissolved	6.03	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Oxygen, Dissolved	8.66	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Oxygen, Dissolved	7.09	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Oxygen, Dissolved	15.44	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Oxygen, Dissolved	10.73	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Oxygen, Dissolved	4.69	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Oxygen, Dissolved	4.34	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Oxygen, Dissolved	7.71	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Oxygen, Dissolved	7.82	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2003-08-21	11:00	Oxygen, Dissolved	2.63	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Oxygen, Dissolved	5.77	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Oxygen, Dissolved	2.06	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Oxygen, Dissolved	2	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Oxygen, Dissolved	9.8	mg/L	
HCCC-02	HCCC-02	2005-01-11	10:30	Oxygen, Dissolved	12.2	mg/L	
HCCC-02	HCCC-02	2003-03-10	12:55	Oxygen, Dissolved	3	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Oxygen, Dissolved	0.44	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Oxygen, Dissolved	3.72	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Oxygen, Dissolved	9.18	mg/L	
HCCC-02	HCCC-02	1999-03-05	9:45	Oxygen, Dissolved	12.28	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Oxygen, Dissolved	7.65	mg/L	
HCCC-02	HCCC-02	2004-11-23	10:45	Oxygen, Dissolved	7.23	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Oxygen, Dissolved	6.46	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Oxygen, Dissolved	4.97	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Oxygen, Dissolved	4.48	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Oxygen, Dissolved	3.23	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Oxygen, Dissolved	11.65	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Oxygen, Dissolved	9.42	mg/L	
HCCC-02	HCCC-02	2003-12-22	10:45	Oxygen, Dissolved	8.51	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Oxygen, Dissolved	5.08	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Oxygen, Dissolved	1.8	mg/L	
HCCC-02	HCCC-02	2004-06-21	11:00	Oxygen, Dissolved	5.51	mg/L	
HCCC-02	HCCC-02	2004-08-04	11:15	Oxygen, Dissolved	5.81	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Oxygen, Dissolved	5.68	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Oxygen, Dissolved	5.51	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Oxygen, Dissolved	4.67	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Oxygen, Dissolved	5.33	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Oxygen, Dissolved	7.92	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Oxygen, Dissolved	12.6	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Oxygen, Dissolved	12.36	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Oxygen, Dissolved	3.73	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Oxygen, Dissolved	4.9	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Oxygen, Dissolved	4.15	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Oxygen, Dissolved	8.08	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Oxygen, Dissolved	11.17	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Oxygen, Dissolved	3.66	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Oxygen, Dissolved	4.61	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Oxygen, Dissolved	5.44	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Oxygen, Dissolved	10.61	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Oxygen, Dissolved	13.35	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Oxygen, Dissolved	11.66	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Oxygen, Dissolved	4.43	mg/L	
HCCC-02	HCCC-02	2005-03-03	10:00	Oxygen, Dissolved	14.32	mg/L	
HCCC-02	HCCC-02	2005-04-05	11:45	Oxygen, Dissolved	14.17	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Oxygen, Dissolved	9.43	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2010-01-25	11:35	Oxygen, Dissolved	11.42	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Oxygen, Dissolved	12.77	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Oxygen, Dissolved	2.56	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Oxygen, Dissolved	4.34	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Oxygen, Dissolved	5.42	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Oxygen, Dissolved	5.36	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Oxygen, Dissolved	12.3	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Oxygen, Dissolved	4.29	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Oxygen, Dissolved	13.26	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:45	Oxygen, Dissolved	10.58	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Oxygen, Dissolved	11.75	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:05	Oxygen, Dissolved	5.09	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Oxygen, Dissolved	5.31	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:15	Oxygen, Dissolved	4.56	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Oxygen, Dissolved	9.81	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Oxygen, Dissolved	12.19	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Oxygen, Dissolved	4.44	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:35	Oxygen, Dissolved	3.96	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Oxygen, Dissolved	12.9	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Oxygen, Dissolved	0.39	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Oxygen, Dissolved	6.18	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Oxygen, Dissolved	9.23	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Oxygen, Dissolved	0.91	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Oxygen, Dissolved	7.9	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Oxygen, Dissolved	4.87	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Oxygen, Dissolved	7.38	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Oxygen, Dissolved	12.41	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:40	Oxygen, Dissolved	5.22	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:55	Oxygen, Dissolved	5.37	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Oxygen, Dissolved	7.26	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Oxygen, Dissolved	11.35	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Oxygen, Dissolved	14.37	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Oxygen, Dissolved	9.61	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Oxygen, Dissolved	7.01	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Oxygen, Dissolved	4.9	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Oxygen, Dissolved	4.95	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Oxygen, Dissolved	10.93	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Oxygen, Dissolved	7.61	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Oxygen, Dissolved	2.97	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Oxygen, Dissolved	6.71	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Oxygen, Dissolved	2.23	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Oxygen, Dissolved	5.82	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Oxygen, Dissolved	11.76	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Oxygen, Dissolved	5.02	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Oxygen, Dissolved	4.76	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Oxygen, Dissolved	2.06	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2008-05-20	9:20	Oxygen, Dissolved	6.69	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Oxygen, Dissolved	0.58	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Oxygen, Dissolved	3.3	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Oxygen, Dissolved	1.06	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Oxygen, Dissolved	4.88	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Oxygen, Dissolved	6.49	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Oxygen, Dissolved	6.02	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Oxygen, Dissolved	5.59	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Oxygen, Dissolved	4.95	mg/L	
HCCC-02	WW_31	2011-05-09		Oxygen, Dissolved	8.7	mg/L	
HCCC-02	WW_31	2011-07-11		Oxygen, Dissolved	4.1	mg/L	
HCCC-02	WW_31	2011-10-10		Oxygen, Dissolved	2.7	mg/L	
HCCC-02	WW_31	2011-03-14		Oxygen, Dissolved	10.2	mg/L	
HCCC-02	WW_31	2011-08-08		Oxygen, Dissolved	5.6	mg/L	
HCCC-02	WW_31	2011-11-14		Oxygen, Dissolved	8.5	mg/L	
HCCC-02	WW_31	2010-11-08		Oxygen, Dissolved	4.5	mg/L	
HCCC-02	WW_31	2011-04-11		Oxygen, Dissolved	8.4	mg/L	
HCCC-02	WW_31	2011-06-13		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2012-03-12		Oxygen, Dissolved	9.3	mg/L	
HCCC-02	WW_31	2012-04-09		Oxygen, Dissolved	4.8	mg/L	
HCCC-02	WW_31	2011-12-12		Oxygen, Dissolved	9	mg/L	
HCCC-02	WW_31	2012-07-16		Oxygen, Dissolved	3.7	mg/L	
HCCC-02	WW_31	2012-05-14		Oxygen, Dissolved	8	mg/L	
HCCC-02	WW_31	2005-05-09		Oxygen, Dissolved	5	mg/L	
HCCC-02	WW_31	2005-09-12		Oxygen, Dissolved	3	mg/L	
HCCC-02	WW_31	2005-07-11		Oxygen, Dissolved	2.7	mg/L	
HCCC-02	WW_31	2005-08-08		Oxygen, Dissolved	2.9	mg/L	
HCCC-02	WW_31	2005-10-10		Oxygen, Dissolved	4.5	mg/L	
HCCC-02	WW_31	2005-06-13		Oxygen, Dissolved	0	mg/L	
HCCC-02	WW_31	2005-04-11		Oxygen, Dissolved	7.5	mg/L	
HCCC-02	WW_31	2005-03-14		Oxygen, Dissolved	14.1	mg/L	
HCCC-02	WW_31	2004-09-13		Oxygen, Dissolved	2.7	mg/L	
HCCC-02	WW_31	2004-12-13		Oxygen, Dissolved	9.6	mg/L	
HCCC-02	WW_31	2004-11-08		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2004-10-11		Oxygen, Dissolved	4	mg/L	
HCCC-02	WW_31	2005-02-14		Oxygen, Dissolved	11.3	mg/L	
HCCC-02	WW_31	2004-07-12		Oxygen, Dissolved	6.7	mg/L	
HCCC-02	WW_31	2004-06-14		Oxygen, Dissolved	4.7	mg/L	
HCCC-02	WW_31	2004-08-09		Oxygen, Dissolved	4.4	mg/L	
HCCC-02	WW_31	2009-12-14		Oxygen, Dissolved	8.9	mg/L	
HCCC-02	WW_31	2008-01-14		Oxygen, Dissolved	6.3	mg/L	
HCCC-02	WW_31	2009-11-09		Oxygen, Dissolved	8.2	mg/L	
HCCC-02	WW_31	2007-05-14		Oxygen, Dissolved	7.3	mg/L	
HCCC-02	WW_31	2009-10-12		Oxygen, Dissolved	8.7	mg/L	
HCCC-02	WW_31	2006-03-13		Oxygen, Dissolved	8.6	mg/L	
HCCC-02	WW_31	2010-05-10		Oxygen, Dissolved	8.3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2010-04-12		Oxygen, Dissolved	6.7	mg/L	
HCCC-02	WW_31	2007-03-12		Oxygen, Dissolved	11	mg/L	
HCCC-02	WW_31	2006-01-09		Oxygen, Dissolved	9.6	mg/L	
HCCC-02	WW_31	2007-04-09		Oxygen, Dissolved	10.5	mg/L	
HCCC-02	WW_31	2007-09-10		Oxygen, Dissolved	5.2	mg/L	
HCCC-02	WW_31	2005-11-14		Oxygen, Dissolved	3.2	mg/L	
HCCC-02	WW_31	2007-07-09		Oxygen, Dissolved	2	mg/L	
HCCC-02	WW_31	2010-07-12		Oxygen, Dissolved	3.2	mg/L	
HCCC-02	WW_31	2010-06-14		Oxygen, Dissolved	5.9	mg/L	
HCCC-02	WW_31	2007-08-13		Oxygen, Dissolved	4	mg/L	
HCCC-02	WW_31	2007-11-13		Oxygen, Dissolved	3.1	mg/L	
HCCC-02	WW_31	2010-09-13		Oxygen, Dissolved	5.6	mg/L	
HCCC-02	WW_31	2007-01-08		Oxygen, Dissolved	10	mg/L	
HCCC-02	WW_31	2010-08-09		Oxygen, Dissolved	5.1	mg/L	
HCCC-02	WW_31	2007-06-11		Oxygen, Dissolved	5.6	mg/L	
HCCC-02	WW_31	2007-10-08		Oxygen, Dissolved	2.9	mg/L	
HCCC-02	WW_31	2010-03-08		Oxygen, Dissolved	12.6	mg/L	
HCCC-02	WW_31	2008-09-08		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2008-04-14		Oxygen, Dissolved	9.6	mg/L	
HCCC-02	WW_31	2009-08-10		Oxygen, Dissolved	6.6	mg/L	
HCCC-02	WW_31	2008-07-14		Oxygen, Dissolved	5.6	mg/L	
HCCC-02	WW_31	2006-09-11		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2006-04-10		Oxygen, Dissolved	9.6	mg/L	
HCCC-02	WW_31	2010-10-11		Oxygen, Dissolved	3.7	mg/L	
HCCC-02	WW_31	2008-08-11		Oxygen, Dissolved	3.5	mg/L	
HCCC-02	WW_31	2006-11-13		Oxygen, Dissolved	9.4	mg/L	
HCCC-02	WW_31	2009-03-09		Oxygen, Dissolved	9.5	mg/L	
HCCC-02	WW_31	2008-05-12		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2009-06-08		Oxygen, Dissolved	7.3	mg/L	
HCCC-02	WW_31	2006-07-10		Oxygen, Dissolved	2.8	mg/L	
HCCC-02	WW_31	2009-07-13		Oxygen, Dissolved	5.3	mg/L	
HCCC-02	WW_31	2006-05-08		Oxygen, Dissolved	6.3	mg/L	
HCCC-02	WW_31	2009-09-14		Oxygen, Dissolved	7	mg/L	
HCCC-02	WW_31	2008-10-13		Oxygen, Dissolved	4.4	mg/L	
HCCC-02	WW_31	2008-06-09		Oxygen, Dissolved	5.5	mg/L	
HCCC-02	WW_31	2008-11-10		Oxygen, Dissolved	6	mg/L	
HCCC-02	WW_31	2006-12-11		Oxygen, Dissolved	11.3	mg/L	
HCCC-02	WW_31	2009-04-13		Oxygen, Dissolved	8.3	mg/L	
HCCC-02	WW_31	2009-05-11		Oxygen, Dissolved	9	mg/L	
HCCC-02	WW_31	2006-06-12		Oxygen, Dissolved	5.3	mg/L	
HCCC-02	WW_31	2006-08-14		Oxygen, Dissolved	3.5	mg/L	
HCCC-02	WW_31	2006-10-09		Oxygen, Dissolved	5.3	mg/L	
HCCC-02	WW_31	2008-03-10		Oxygen, Dissolved	10.6	mg/L	
HCCC-02	WW_31	2003-04-14		Oxygen, Dissolved	10.1	mg/L	
HCCC-02	WW_31	2001-11-13		Oxygen, Dissolved	4.6	mg/L	
HCCC-02	WW_31	2003-05-12		Oxygen, Dissolved	7.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2002-05-13		Oxygen, Dissolved	8.3	mg/L	
HCCC-02	WW_31	2001-02-13		Oxygen, Dissolved	11.4	mg/L	
HCCC-02	WW_31	2001-12-10		Oxygen, Dissolved	8.1	mg/L	
HCCC-02	WW_31	2002-06-10		Oxygen, Dissolved	6.2	mg/L	
HCCC-02	WW_31	2001-07-09		Oxygen, Dissolved	5.2	mg/L	
HCCC-02	WW_31	2001-08-13		Oxygen, Dissolved	4.1	mg/L	
HCCC-02	WW_31	2001-03-12		Oxygen, Dissolved	11.4	mg/L	
HCCC-02	WW_31	2002-09-09		Oxygen, Dissolved	5.8	mg/L	
HCCC-02	WW_31	2002-11-12		Oxygen, Dissolved	1.1	mg/L	
HCCC-02	WW_31	2001-06-11		Oxygen, Dissolved	4.9	mg/L	
HCCC-02	WW_31	2001-09-10		Oxygen, Dissolved	4	mg/L	
HCCC-02	WW_31	2002-10-14		Oxygen, Dissolved	3.6	mg/L	
HCCC-02	WW_31	2002-03-11		Oxygen, Dissolved	11.5	mg/L	
HCCC-02	WW_31	2001-05-14		Oxygen, Dissolved	6.6	mg/L	
HCCC-02	WW_31	2001-04-09		Oxygen, Dissolved	9.7	mg/L	
HCCC-02	WW_31	2002-07-08		Oxygen, Dissolved	2	mg/L	
HCCC-02	WW_31	2002-04-08		Oxygen, Dissolved	9.9	mg/L	
HCCC-02	WW_31	2001-10-08		Oxygen, Dissolved	6	mg/L	
HCCC-02	WW_31	2002-08-12		Oxygen, Dissolved	5.4	mg/L	
HCCC-02	WW_31	2002-02-11		Oxygen, Dissolved	11.7	mg/L	
HCCC-02	WW_31	2003-12-08		Oxygen, Dissolved	9.8	mg/L	
HCCC-02	WW_31	2003-10-13		Oxygen, Dissolved	2.9	mg/L	
HCCC-02	WW_31	2003-07-14		Oxygen, Dissolved	4.3	mg/L	
HCCC-02	WW_31	2004-04-12		Oxygen, Dissolved	11.3	mg/L	
HCCC-02	WW_31	2003-11-10		Oxygen, Dissolved	10	mg/L	
HCCC-02	WW_31	2004-03-08		Oxygen, Dissolved	10.9	mg/L	
HCCC-02	WW_31	2003-08-11		Oxygen, Dissolved	3.7	mg/L	
HCCC-02	WW_31	2004-05-10		Oxygen, Dissolved	3.3	mg/L	
HCCC-02	WW_31	2003-06-09		Oxygen, Dissolved	4.7	mg/L	
HCCC-02	WW_31	2003-09-08		Oxygen, Dissolved	3.4	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Oxygen, Dissolved	5.49	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Oxygen, Dissolved	5.36	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Oxygen, Dissolved	6.14	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Oxygen, Dissolved	6.18	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Oxygen, Dissolved	7.2	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Oxygen, Dissolved	5.8	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Oxygen, Dissolved	6.01	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Oxygen, Dissolved	4.74	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Oxygen, Dissolved	5.97	mg/L	
HCCC-04	WW_103	2011-12-12		Oxygen, Dissolved	11.2	mg/L	
HCCC-04	WW_103	2011-05-09		Oxygen, Dissolved	10.8	mg/L	
HCCC-04	WW_103	2012-01-17		Oxygen, Dissolved	9.4	mg/L	
HCCC-04	WW_103	2011-06-13		Oxygen, Dissolved	7	mg/L	
HCCC-04	WW_103	2011-11-14		Oxygen, Dissolved	6.3	mg/L	
HCCC-04	WW_103	2011-09-12		Oxygen, Dissolved	6.5	mg/L	
HCCC-04	WW_103	2012-04-09		Oxygen, Dissolved	8.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2012-05-14		Oxygen, Dissolved	7.6	mg/L	
HCCC-04	WW_103	2011-08-08		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_103	2012-07-16		Oxygen, Dissolved	3.9	mg/L	
HCCC-04	WW_103	2012-02-14		Oxygen, Dissolved	12.6	mg/L	
HCCC-04	WW_103	2012-06-11		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_103	2011-07-11		Oxygen, Dissolved	5	mg/L	
HCCC-04	WW_103	2011-10-10		Oxygen, Dissolved	4.6	mg/L	
HCCC-04	WW_103	2012-03-12		Oxygen, Dissolved	8.4	mg/L	
HCCC-04	WW_103	2011-02-14		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_103	2011-03-14		Oxygen, Dissolved	11.4	mg/L	
HCCC-04	WW_103	2011-04-11		Oxygen, Dissolved	6.5	mg/L	
HCCC-04	WW_103	2010-10-11		Oxygen, Dissolved	6.3	mg/L	
HCCC-04	WW_103	2010-11-08		Oxygen, Dissolved	7.3	mg/L	
HCCC-04	WW_103	2002-04-08		Oxygen, Dissolved	9.7	mg/L	
HCCC-04	WW_103	2005-09-12		Oxygen, Dissolved	5.6	mg/L	
HCCC-04	WW_103	2005-07-11		Oxygen, Dissolved	5	mg/L	
HCCC-04	WW_103	2002-05-13		Oxygen, Dissolved	6.9	mg/L	
HCCC-04	WW_103	2001-08-13		Oxygen, Dissolved	4.4	mg/L	
HCCC-04	WW_103	2004-08-09		Oxygen, Dissolved	4.8	mg/L	
HCCC-04	WW_103	2003-11-10		Oxygen, Dissolved	9.5	mg/L	
HCCC-04	WW_103	2004-09-13		Oxygen, Dissolved	5.2	mg/L	
HCCC-04	WW_103	2002-07-08		Oxygen, Dissolved	4.4	mg/L	
HCCC-04	WW_103	2005-01-10		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_103	2005-03-14		Oxygen, Dissolved	13	mg/L	
HCCC-04	WW_103	2003-12-08		Oxygen, Dissolved	10.3	mg/L	
HCCC-04	WW_103	2002-06-10		Oxygen, Dissolved	5.3	mg/L	
HCCC-04	WW_103	2001-07-09		Oxygen, Dissolved	4.7	mg/L	
HCCC-04	WW_103	2002-01-14		Oxygen, Dissolved	12.3	mg/L	
HCCC-04	WW_103	2004-06-14		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_103	2004-04-12		Oxygen, Dissolved	10.6	mg/L	
HCCC-04	WW_103	2001-12-10		Oxygen, Dissolved	10.2	mg/L	
HCCC-04	WW_103	2004-05-10		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_103	2001-11-13		Oxygen, Dissolved	8.5	mg/L	
HCCC-04	WW_103	2005-02-14		Oxygen, Dissolved	11.2	mg/L	
HCCC-04	WW_103	2001-09-10		Oxygen, Dissolved	4.2	mg/L	
HCCC-04	WW_103	2002-03-11		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_103	2002-02-11		Oxygen, Dissolved	8.9	mg/L	
HCCC-04	WW_103	2001-10-08		Oxygen, Dissolved	7.5	mg/L	
HCCC-04	WW_103	2004-07-12		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_103	2004-03-08		Oxygen, Dissolved	9.3	mg/L	
HCCC-04	WW_103	2005-04-11		Oxygen, Dissolved	8.3	mg/L	
HCCC-04	WW_103	2004-11-08		Oxygen, Dissolved	8.6	mg/L	
HCCC-04	WW_103	2001-04-09		Oxygen, Dissolved	8.4	mg/L	
HCCC-04	WW_103	2001-05-14		Oxygen, Dissolved	6.9	mg/L	
HCCC-04	WW_103	2003-08-11		Oxygen, Dissolved	4.4	mg/L	
HCCC-04	WW_103	2002-11-12		Oxygen, Dissolved	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-06-09		Oxygen, Dissolved	6.3	mg/L	
HCCC-04	WW_103	2001-03-12		Oxygen, Dissolved	10.6	mg/L	
HCCC-04	WW_103	2005-10-10		Oxygen, Dissolved	6.7	mg/L	
HCCC-04	WW_103	2003-05-12		Oxygen, Dissolved	6.9	mg/L	
HCCC-04	WW_103	2004-12-13		Oxygen, Dissolved	12	mg/L	
HCCC-04	WW_103	2005-05-09		Oxygen, Dissolved	4.2	mg/L	
HCCC-04	WW_103	2003-07-14		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_103	2003-04-14		Oxygen, Dissolved	7.9	mg/L	
HCCC-04	WW_103	2004-10-11		Oxygen, Dissolved	8.7	mg/L	
HCCC-04	WW_103	2005-06-13		Oxygen, Dissolved	3.6	mg/L	
HCCC-04	WW_103	2001-06-11		Oxygen, Dissolved	4.4	mg/L	
HCCC-04	WW_103	2003-09-08		Oxygen, Dissolved	4.7	mg/L	
HCCC-04	WW_103	2002-10-14		Oxygen, Dissolved	5.6	mg/L	
HCCC-04	WW_103	2002-09-09		Oxygen, Dissolved	5.4	mg/L	
HCCC-04	WW_103	2002-08-12		Oxygen, Dissolved	4.5	mg/L	
HCCC-04	WW_103	2009-04-13		Oxygen, Dissolved	7.1	mg/L	
HCCC-04	WW_103	2006-04-10		Oxygen, Dissolved	11.6	mg/L	
HCCC-04	WW_103	2008-06-09		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_103	2008-10-13		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_103	2008-03-10		Oxygen, Dissolved	11.3	mg/L	
HCCC-04	WW_103	2006-08-14		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_103	2009-08-10		Oxygen, Dissolved	4.8	mg/L	
HCCC-04	WW_103	2009-05-11		Oxygen, Dissolved	6.8	mg/L	
HCCC-04	WW_103	2008-11-10		Oxygen, Dissolved	5.4	mg/L	
HCCC-04	WW_103	2006-11-13		Oxygen, Dissolved	9.4	mg/L	
HCCC-04	WW_103	2009-02-09		Oxygen, Dissolved	10	mg/L	
HCCC-04	WW_103	2008-08-11		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_103	2006-07-10		Oxygen, Dissolved	5.4	mg/L	
HCCC-04	WW_103	2006-05-08		Oxygen, Dissolved	8.5	mg/L	
HCCC-04	WW_103	2009-03-09		Oxygen, Dissolved	10.2	mg/L	
HCCC-04	WW_103	2009-06-08		Oxygen, Dissolved	7.6	mg/L	
HCCC-04	WW_103	2008-05-12		Oxygen, Dissolved	8.3	mg/L	
HCCC-04	WW_103	2008-09-08		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_103	2006-09-11		Oxygen, Dissolved	6.6	mg/L	
HCCC-04	WW_103	2008-04-14		Oxygen, Dissolved	9.3	mg/L	
HCCC-04	WW_103	2008-07-14		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_103	2006-10-09		Oxygen, Dissolved	7.1	mg/L	
HCCC-04	WW_103	2006-06-12		Oxygen, Dissolved	6.6	mg/L	
HCCC-04	WW_103	2009-07-13		Oxygen, Dissolved	4.7	mg/L	
HCCC-04	WW_103	2007-03-12		Oxygen, Dissolved	10.7	mg/L	
HCCC-04	WW_103	2007-07-09		Oxygen, Dissolved	4.1	mg/L	
HCCC-04	WW_103	2010-08-09		Oxygen, Dissolved	4.8	mg/L	
HCCC-04	WW_103	2007-04-09		Oxygen, Dissolved	10.5	mg/L	
HCCC-04	WW_103	2010-05-10		Oxygen, Dissolved	7.1	mg/L	
HCCC-04	WW_103	2009-11-09		Oxygen, Dissolved	6	mg/L	
HCCC-04	WW_103	2005-11-14		Oxygen, Dissolved	6.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-02-14		Oxygen, Dissolved	12.4	mg/L	
HCCC-04	WW_103	2007-08-13		Oxygen, Dissolved	5.4	mg/L	
HCCC-04	WW_103	2007-11-13		Oxygen, Dissolved	6.8	mg/L	
HCCC-04	WW_103	2010-06-14		Oxygen, Dissolved	6.6	mg/L	
HCCC-04	WW_103	2007-01-08		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_103	2010-02-08		Oxygen, Dissolved	10.9	mg/L	
HCCC-04	WW_103	2010-07-12		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_103	2007-12-10		Oxygen, Dissolved	9	mg/L	
HCCC-04	WW_103	2009-12-14		Oxygen, Dissolved	8.7	mg/L	
HCCC-04	WW_103	2006-01-09		Oxygen, Dissolved	9	mg/L	
HCCC-04	WW_103	2007-10-08		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_103	2006-12-11		Oxygen, Dissolved	10.6	mg/L	
HCCC-04	WW_103	2010-04-12		Oxygen, Dissolved	10.3	mg/L	
HCCC-04	WW_103	2009-09-14		Oxygen, Dissolved	5.6	mg/L	
HCCC-04	WW_103	2007-05-14		Oxygen, Dissolved	8.1	mg/L	
HCCC-04	WW_103	2010-09-13		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_103	2010-03-08		Oxygen, Dissolved	12.4	mg/L	
HCCC-04	WW_103	2007-09-10		Oxygen, Dissolved	4.6	mg/L	
HCCC-04	WW_103	2007-06-11		Oxygen, Dissolved	6.2	mg/L	
HCCC-04	WW_103	2006-03-13		Oxygen, Dissolved	9.8	mg/L	
HCCC-04	WW_103	2009-10-12		Oxygen, Dissolved	8.5	mg/L	
HCCC-04	WW_103	2008-01-14		Oxygen, Dissolved	11.2	mg/L	
HCCC-04	WW_104	2012-06-11		Oxygen, Dissolved	4.5	mg/L	
HCCC-04	WW_104	2011-07-11		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_104	2012-03-12		Oxygen, Dissolved	8.7	mg/L	
HCCC-04	WW_104	2011-03-14		Oxygen, Dissolved	6.8	mg/L	
HCCC-04	WW_104	2011-10-10		Oxygen, Dissolved	6.9	mg/L	
HCCC-04	WW_104	2012-02-14		Oxygen, Dissolved	10.7	mg/L	
HCCC-04	WW_104	2012-07-16		Oxygen, Dissolved	4.5	mg/L	
HCCC-04	WW_104	2011-09-12		Oxygen, Dissolved	4.3	mg/L	
HCCC-04	WW_104	2011-02-14		Oxygen, Dissolved	10	mg/L	
HCCC-04	WW_104	2011-01-10		Oxygen, Dissolved	8.4	mg/L	
HCCC-04	WW_104	2012-05-14		Oxygen, Dissolved	8.6	mg/L	
HCCC-04	WW_104	2012-04-09		Oxygen, Dissolved	9.7	mg/L	
HCCC-04	WW_104	2011-08-08		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_104	2010-12-13		Oxygen, Dissolved	10.9	mg/L	
HCCC-04	WW_104	2011-05-09		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_104	2011-04-11		Oxygen, Dissolved	9.6	mg/L	
HCCC-04	WW_104	2011-11-14		Oxygen, Dissolved	8.7	mg/L	
HCCC-04	WW_104	2011-06-13		Oxygen, Dissolved	5.1	mg/L	
HCCC-04	WW_104	2012-01-17		Oxygen, Dissolved	6.5	mg/L	
HCCC-04	WW_104	2010-10-11		Oxygen, Dissolved	6.5	mg/L	
HCCC-04	WW_104	2011-12-12		Oxygen, Dissolved	11.5	mg/L	
HCCC-04	WW_104	2010-11-08		Oxygen, Dissolved	8.2	mg/L	
HCCC-04	WW_104	2002-02-11		Oxygen, Dissolved	11.7	mg/L	
HCCC-04	WW_104	2005-05-09		Oxygen, Dissolved	7.5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2004-04-12		Oxygen, Dissolved	10.9	mg/L	
HCCC-04	WW_104	2003-04-14		Oxygen, Dissolved	9.1	mg/L	
HCCC-04	WW_104	2002-08-12		Oxygen, Dissolved	5.7	mg/L	
HCCC-04	WW_104	2004-05-10		Oxygen, Dissolved	6.4	mg/L	
HCCC-04	WW_104	2005-08-08		Oxygen, Dissolved	6.1	mg/L	
HCCC-04	WW_104	2005-02-14		Oxygen, Dissolved	10.9	mg/L	
HCCC-04	WW_104	2003-05-12		Oxygen, Dissolved	7.4	mg/L	
HCCC-04	WW_104	2001-12-10		Oxygen, Dissolved	9.4	mg/L	
HCCC-04	WW_104	2002-09-09		Oxygen, Dissolved	5.7	mg/L	
HCCC-04	WW_104	2002-01-14		Oxygen, Dissolved	9.2	mg/L	
HCCC-04	WW_104	2003-08-11		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_104	2002-11-12		Oxygen, Dissolved	6	mg/L	
HCCC-04	WW_104	2004-02-09		Oxygen, Dissolved	9.6	mg/L	
HCCC-04	WW_104	2002-05-13		Oxygen, Dissolved	8.2	mg/L	
HCCC-04	WW_104	2005-06-13		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_104	2002-10-14		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_104	2005-07-11		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_104	2002-04-08		Oxygen, Dissolved	9.6	mg/L	
HCCC-04	WW_104	2004-01-12		Oxygen, Dissolved	10.1	mg/L	
HCCC-04	WW_104	2002-03-11		Oxygen, Dissolved	11.1	mg/L	
HCCC-04	WW_104	2005-04-11		Oxygen, Dissolved	9.9	mg/L	
HCCC-04	WW_104	2004-03-08		Oxygen, Dissolved	10.8	mg/L	
HCCC-04	WW_104	2005-03-14		Oxygen, Dissolved	11.7	mg/L	
HCCC-04	WW_104	2004-07-12		Oxygen, Dissolved	6.4	mg/L	
HCCC-04	WW_104	2001-04-09		Oxygen, Dissolved	9.7	mg/L	
HCCC-04	WW_104	2001-05-14		Oxygen, Dissolved	7.2	mg/L	
HCCC-04	WW_104	2001-06-11		Oxygen, Dissolved	6.5	mg/L	
HCCC-04	WW_104	2004-06-14		Oxygen, Dissolved	5.3	mg/L	
HCCC-04	WW_104	2004-09-13		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_104	2004-11-08		Oxygen, Dissolved	8.9	mg/L	
HCCC-04	WW_104	2001-10-08		Oxygen, Dissolved	6.6	mg/L	
HCCC-04	WW_104	2005-09-12		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_104	2005-10-10		Oxygen, Dissolved	5.2	mg/L	
HCCC-04	WW_104	2005-01-10		Oxygen, Dissolved	10.8	mg/L	
HCCC-04	WW_104	2004-12-13		Oxygen, Dissolved	9.5	mg/L	
HCCC-04	WW_104	2004-10-11		Oxygen, Dissolved	7.8	mg/L	
HCCC-04	WW_104	2001-03-12		Oxygen, Dissolved	10.3	mg/L	
HCCC-04	WW_104	2001-09-10		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_104	2004-08-09		Oxygen, Dissolved	5.7	mg/L	
HCCC-04	WW_104	2001-08-13		Oxygen, Dissolved	5.4	mg/L	
HCCC-04	WW_104	2001-11-13		Oxygen, Dissolved	7.2	mg/L	
HCCC-04	WW_104	2001-07-09		Oxygen, Dissolved	6.4	mg/L	
HCCC-04	WW_104	2006-06-12		Oxygen, Dissolved	6.2	mg/L	
HCCC-04	WW_104	2008-07-14		Oxygen, Dissolved	3.9	mg/L	
HCCC-04	WW_104	2005-12-12		Oxygen, Dissolved	10.9	mg/L	
HCCC-04	WW_104	2006-01-09		Oxygen, Dissolved	10.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2009-03-09		Oxygen, Dissolved	7.8	mg/L	
HCCC-04	WW_104	2007-03-12		Oxygen, Dissolved	10.4	mg/L	
HCCC-04	WW_104	2010-05-10		Oxygen, Dissolved	9.1	mg/L	
HCCC-04	WW_104	2010-04-12		Oxygen, Dissolved	9.3	mg/L	
HCCC-04	WW_104	2007-09-10		Oxygen, Dissolved	4.5	mg/L	
HCCC-04	WW_104	2010-09-13		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_104	2007-06-11		Oxygen, Dissolved	6.1	mg/L	
HCCC-04	WW_104	2007-05-14		Oxygen, Dissolved	7.7	mg/L	
HCCC-04	WW_104	2008-11-10		Oxygen, Dissolved	7.2	mg/L	
HCCC-04	WW_104	2006-08-14		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_104	2008-10-13		Oxygen, Dissolved	4.7	mg/L	
HCCC-04	WW_104	2006-07-10		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_104	2007-08-13		Oxygen, Dissolved	4.9	mg/L	
HCCC-04	WW_104	2008-08-11		Oxygen, Dissolved	4.5	mg/L	
HCCC-04	WW_104	2009-02-09		Oxygen, Dissolved	7	mg/L	
HCCC-04	WW_104	2008-09-08		Oxygen, Dissolved	7	mg/L	
HCCC-04	WW_104	2010-08-09		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_104	2007-04-09		Oxygen, Dissolved	11.6	mg/L	
HCCC-04	WW_104	2006-09-11		Oxygen, Dissolved	7.6	mg/L	
HCCC-04	WW_104	2008-12-08		Oxygen, Dissolved	10.2	mg/L	
HCCC-04	WW_104	2005-11-14		Oxygen, Dissolved	7.9	mg/L	
HCCC-04	WW_104	2007-07-09		Oxygen, Dissolved	4	mg/L	
HCCC-04	WW_104	2009-01-12		Oxygen, Dissolved	10.8	mg/L	
HCCC-04	WW_104	2006-11-13		Oxygen, Dissolved	7.7	mg/L	
HCCC-04	WW_104	2009-07-13		Oxygen, Dissolved	4.7	mg/L	
HCCC-04	WW_104	2009-11-09		Oxygen, Dissolved	7.6	mg/L	
HCCC-04	WW_104	2006-05-08		Oxygen, Dissolved	8.3	mg/L	
HCCC-04	WW_104	2009-12-14		Oxygen, Dissolved	9.3	mg/L	
HCCC-04	WW_104	2007-12-10		Oxygen, Dissolved	9.6	mg/L	
HCCC-04	WW_104	2009-04-13		Oxygen, Dissolved	8.7	mg/L	
HCCC-04	WW_104	2008-05-12		Oxygen, Dissolved	8.5	mg/L	
HCCC-04	WW_104	2009-06-08		Oxygen, Dissolved	6.4	mg/L	
HCCC-04	WW_104	2008-02-11		Oxygen, Dissolved	10.8	mg/L	
HCCC-04	WW_104	2009-09-14		Oxygen, Dissolved	5.9	mg/L	
HCCC-04	WW_104	2009-08-10		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_104	2006-12-11		Oxygen, Dissolved	9.6	mg/L	
HCCC-04	WW_104	2008-03-10		Oxygen, Dissolved	10.2	mg/L	
HCCC-04	WW_104	2006-03-13		Oxygen, Dissolved	9.5	mg/L	
HCCC-04	WW_104	2009-10-12		Oxygen, Dissolved	8.3	mg/L	
HCCC-04	WW_104	2008-01-14		Oxygen, Dissolved	7.6	mg/L	
HCCC-04	WW_104	2008-04-14		Oxygen, Dissolved	9.1	mg/L	
HCCC-04	WW_104	2006-04-10		Oxygen, Dissolved	8.8	mg/L	
HCCC-04	WW_104	2007-10-08		Oxygen, Dissolved	4.3	mg/L	
HCCC-04	WW_104	2007-11-13		Oxygen, Dissolved	5.5	mg/L	
HCCC-04	WW_104	2010-03-08		Oxygen, Dissolved	7.8	mg/L	
HCCC-04	WW_104	2009-05-11		Oxygen, Dissolved	8.1	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2008-06-09		Oxygen, Dissolved	5	mg/L	
HCCC-04	WW_104	2010-02-08		Oxygen, Dissolved	11	mg/L	
HCCC-04	WW_104	2007-01-08		Oxygen, Dissolved	7.3	mg/L	
HCCC-04	WW_104	2006-10-09		Oxygen, Dissolved	5.8	mg/L	
HCCC-04	WW_104	2006-02-14		Oxygen, Dissolved	10.8	mg/L	
HCCD-01	WW_32	2011-06-13		Oxygen, Dissolved	6.4	mg/L	
HCCD-01	WW_32	2011-03-14		Oxygen, Dissolved	8.9	mg/L	
HCCD-01	WW_32	2011-10-10		Oxygen, Dissolved	4.5	mg/L	
HCCD-01	WW_32	2012-03-12		Oxygen, Dissolved	9.6	mg/L	
HCCD-01	WW_32	2012-06-11		Oxygen, Dissolved	4.9	mg/L	
HCCD-01	WW_32	2011-08-08		Oxygen, Dissolved	5.7	mg/L	
HCCD-01	WW_32	2012-05-14		Oxygen, Dissolved	7.5	mg/L	
HCCD-01	WW_32	2011-09-12		Oxygen, Dissolved	5.6	mg/L	
HCCD-01	WW_32	2012-07-16		Oxygen, Dissolved	4	mg/L	
HCCD-01	WW_32	2012-04-09		Oxygen, Dissolved	6.6	mg/L	
HCCD-01	WW_32	2011-07-11		Oxygen, Dissolved	4	mg/L	
HCCD-01	WW_32	2010-10-11		Oxygen, Dissolved	4.6	mg/L	
HCCD-01	WW_32	2011-04-11		Oxygen, Dissolved	9.4	mg/L	
HCCD-01	WW_32	2011-05-09		Oxygen, Dissolved	9.6	mg/L	
HCCD-01	WW_32	2011-11-14		Oxygen, Dissolved	8.7	mg/L	
HCCD-01	WW_32	2010-11-08		Oxygen, Dissolved	9.1	mg/L	
HCCD-01	WW_32	2011-12-12		Oxygen, Dissolved	10.1	mg/L	
HCCD-01	WW_32	2012-01-17		Oxygen, Dissolved	8.7	mg/L	
HCCD-01	WW_32	2005-02-14		Oxygen, Dissolved	11.2	mg/L	
HCCD-01	WW_32	2004-07-12		Oxygen, Dissolved	6.7	mg/L	
HCCD-01	WW_32	2005-08-08		Oxygen, Dissolved	5.9	mg/L	
HCCD-01	WW_32	2004-10-11		Oxygen, Dissolved	5.5	mg/L	
HCCD-01	WW_32	2005-06-13		Oxygen, Dissolved	4.9	mg/L	
HCCD-01	WW_32	2005-07-11		Oxygen, Dissolved	8.1	mg/L	
HCCD-01	WW_32	2005-03-14		Oxygen, Dissolved	14	mg/L	
HCCD-01	WW_32	2004-08-09		Oxygen, Dissolved	8	mg/L	
HCCD-01	WW_32	2005-09-12		Oxygen, Dissolved	2.2	mg/L	
HCCD-01	WW_32	2004-09-13		Oxygen, Dissolved	4.3	mg/L	
HCCD-01	WW_32	2004-06-14		Oxygen, Dissolved	6.5	mg/L	
HCCD-01	WW_32	2005-10-10		Oxygen, Dissolved	9	mg/L	
HCCD-01	WW_32	2004-12-13		Oxygen, Dissolved	12.5	mg/L	
HCCD-01	WW_32	2005-04-11		Oxygen, Dissolved	7.7	mg/L	
HCCD-01	WW_32	2004-11-08		Oxygen, Dissolved	8	mg/L	
HCCD-01	WW_32	2005-05-09		Oxygen, Dissolved	5.6	mg/L	
HCCD-01	WW_32	2008-07-14		Oxygen, Dissolved	5.4	mg/L	
HCCD-01	WW_32	2006-10-09		Oxygen, Dissolved	6.8	mg/L	
HCCD-01	WW_32	2006-06-12		Oxygen, Dissolved	7.3	mg/L	
HCCD-01	WW_32	2010-05-10		Oxygen, Dissolved	9.2	mg/L	
HCCD-01	WW_32	2005-12-12		Oxygen, Dissolved	8.5	mg/L	
HCCD-01	WW_32	2009-03-09		Oxygen, Dissolved	7.7	mg/L	
HCCD-01	WW_32	2009-04-13		Oxygen, Dissolved	7.9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2007-08-13		Oxygen, Dissolved	4.8	mg/L	
HCCD-01	WW_32	2010-06-14		Oxygen, Dissolved	6.8	mg/L	
HCCD-01	WW_32	2007-03-12		Oxygen, Dissolved	11	mg/L	
HCCD-01	WW_32	2006-08-14		Oxygen, Dissolved	4.9	mg/L	
HCCD-01	WW_32	2010-09-13		Oxygen, Dissolved	5.8	mg/L	
HCCD-01	WW_32	2007-06-11		Oxygen, Dissolved	5.8	mg/L	
HCCD-01	WW_32	2007-05-14		Oxygen, Dissolved	7.5	mg/L	
HCCD-01	WW_32	2008-11-10		Oxygen, Dissolved	9.2	mg/L	
HCCD-01	WW_32	2008-10-13		Oxygen, Dissolved	5.6	mg/L	
HCCD-01	WW_32	2008-08-11		Oxygen, Dissolved	4.7	mg/L	
HCCD-01	WW_32	2006-07-10		Oxygen, Dissolved	5.3	mg/L	
HCCD-01	WW_32	2007-07-09		Oxygen, Dissolved	4.6	mg/L	
HCCD-01	WW_32	2010-07-12		Oxygen, Dissolved	3.5	mg/L	
HCCD-01	WW_32	2005-11-14		Oxygen, Dissolved	8.2	mg/L	
HCCD-01	WW_32	2008-09-08		Oxygen, Dissolved	7.2	mg/L	
HCCD-01	WW_32	2007-04-09		Oxygen, Dissolved	12	mg/L	
HCCD-01	WW_32	2010-08-09		Oxygen, Dissolved	6.7	mg/L	
HCCD-01	WW_32	2006-09-11		Oxygen, Dissolved	6.9	mg/L	
HCCD-01	WW_32	2007-11-13		Oxygen, Dissolved	6.1	mg/L	
HCCD-01	WW_32	2009-11-09		Oxygen, Dissolved	8.8	mg/L	
HCCD-01	WW_32	2009-07-13		Oxygen, Dissolved	6.4	mg/L	
HCCD-01	WW_32	2009-09-14		Oxygen, Dissolved	7	mg/L	
HCCD-01	WW_32	2008-01-14		Oxygen, Dissolved	8.4	mg/L	
HCCD-01	WW_32	2006-11-13		Oxygen, Dissolved	7.2	mg/L	
HCCD-01	WW_32	2009-12-14		Oxygen, Dissolved	8.2	mg/L	
HCCD-01	WW_32	2006-04-10		Oxygen, Dissolved	9.8	mg/L	
HCCD-01	WW_32	2009-08-10		Oxygen, Dissolved	6.3	mg/L	
HCCD-01	WW_32	2008-04-14		Oxygen, Dissolved	6.9	mg/L	
HCCD-01	WW_32	2007-01-08		Oxygen, Dissolved	10.4	mg/L	
HCCD-01	WW_32	2008-03-10		Oxygen, Dissolved	10.8	mg/L	
HCCD-01	WW_32	2006-02-14		Oxygen, Dissolved	10.4	mg/L	
HCCD-01	WW_32	2010-04-12		Oxygen, Dissolved	8.2	mg/L	
HCCD-01	WW_32	2009-05-11		Oxygen, Dissolved	8.7	mg/L	
HCCD-01	WW_32	2009-10-12		Oxygen, Dissolved	9	mg/L	
HCCD-01	WW_32	2006-01-09		Oxygen, Dissolved	8.1	mg/L	
HCCD-01	WW_32	2008-06-09		Oxygen, Dissolved	5.7	mg/L	
HCCD-01	WW_32	2007-09-10		Oxygen, Dissolved	6.2	mg/L	
HCCD-01	WW_32	2009-06-08		Oxygen, Dissolved	7.5	mg/L	
HCCD-01	WW_32	2006-12-11		Oxygen, Dissolved	10.2	mg/L	
HCCD-01	WW_32	2006-03-13		Oxygen, Dissolved	8.9	mg/L	
HCCD-01	WW_32	2006-05-08		Oxygen, Dissolved	7.2	mg/L	
HCCD-01	WW_32	2008-05-12		Oxygen, Dissolved	9.6	mg/L	
HCCD-01	WW_32	2007-10-08		Oxygen, Dissolved	3.7	mg/L	
HCCD-01	WW_32	2010-03-08		Oxygen, Dissolved	11.2	mg/L	
HCCD-01	WW_32	2004-05-10		Oxygen, Dissolved	3.3	mg/L	
HCCD-01	WW_32	2002-08-12		Oxygen, Dissolved	3	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2003-10-13		Oxygen, Dissolved	6.1	mg/L	
HCCD-01	WW_32	2002-09-09		Oxygen, Dissolved	5.5	mg/L	
HCCD-01	WW_32	2003-09-08		Oxygen, Dissolved	2.7	mg/L	
HCCD-01	WW_32	2002-10-14		Oxygen, Dissolved	6.7	mg/L	
HCCD-01	WW_32	2001-05-14		Oxygen, Dissolved	7.7	mg/L	
HCCD-01	WW_32	2003-12-08		Oxygen, Dissolved	10.3	mg/L	
HCCD-01	WW_32	2002-05-13		Oxygen, Dissolved	8.3	mg/L	
HCCD-01	WW_32	2001-07-09		Oxygen, Dissolved	4.9	mg/L	
HCCD-01	WW_32	2001-08-13		Oxygen, Dissolved	4.3	mg/L	
HCCD-01	WW_32	2004-03-08		Oxygen, Dissolved	10.6	mg/L	
HCCD-01	WW_32	2002-03-11		Oxygen, Dissolved	11.7	mg/L	
HCCD-01	WW_32	2002-04-08		Oxygen, Dissolved	9	mg/L	
HCCD-01	WW_32	2001-09-10		Oxygen, Dissolved	4.4	mg/L	
HCCD-01	WW_32	2002-07-08		Oxygen, Dissolved	3.5	mg/L	
HCCD-01	WW_32	2004-04-12		Oxygen, Dissolved	11.9	mg/L	
HCCD-01	WW_32	2001-06-11		Oxygen, Dissolved	5.9	mg/L	
HCCD-01	WW_32	2003-11-10		Oxygen, Dissolved	7.1	mg/L	
HCCD-01	WW_32	2002-06-10		Oxygen, Dissolved	6.6	mg/L	
HCCD-01	WW_32	2002-02-11		Oxygen, Dissolved	11.8	mg/L	
HCCD-01	WW_32	2001-10-08		Oxygen, Dissolved	7.8	mg/L	
HCCD-01	WW_32	2001-02-13		Oxygen, Dissolved	10.8	mg/L	
HCCD-01	WW_32	2001-03-12		Oxygen, Dissolved	11.8	mg/L	
HCCD-01	WW_32	2001-11-13		Oxygen, Dissolved	6.6	mg/L	
HCCD-01	WW_32	2003-07-14		Oxygen, Dissolved	5.7	mg/L	
HCCD-01	WW_32	2003-08-11		Oxygen, Dissolved	3.3	mg/L	
HCCD-01	WW_32	2003-04-14		Oxygen, Dissolved	11.9	mg/L	
HCCD-01	WW_32	2002-11-12		Oxygen, Dissolved	5.3	mg/L	
HCCD-01	WW_32	2001-04-09		Oxygen, Dissolved	10.1	mg/L	
HCCD-01	WW_32	2003-06-09		Oxygen, Dissolved	5.6	mg/L	
HCCD-01	WW_32	2003-05-12		Oxygen, Dissolved	7.3	mg/L	
HCCD-01	WW_32	2001-12-10		Oxygen, Dissolved	9.9	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Oxygen, Dissolved	6.59	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Oxygen, Dissolved	7.08	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Oxygen, Dissolved	6.79	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Oxygen, Dissolved	7.75	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Oxygen, Dissolved	6.8	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Oxygen, Dissolved	6.79	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Oxygen, Dissolved	8.01	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Oxygen, Dissolved	7.1	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Oxygen, Dissolved	7.9	mg/L	
HCCD-09	WW_105	2010-12-13		Oxygen, Dissolved	10.4	mg/L	
HCCD-09	WW_105	2011-12-12		Oxygen, Dissolved	10.2	mg/L	
HCCD-09	WW_105	2010-10-11		Oxygen, Dissolved	6.3	mg/L	
HCCD-09	WW_105	2011-01-10		Oxygen, Dissolved	7	mg/L	
HCCD-09	WW_105	2011-02-14		Oxygen, Dissolved	8.7	mg/L	
HCCD-09	WW_105	2011-09-12		Oxygen, Dissolved	4.8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-08-08		Oxygen, Dissolved	4.9	mg/L	
HCCD-09	WW_105	2012-04-09		Oxygen, Dissolved	7.9	mg/L	
HCCD-09	WW_105	2011-05-09		Oxygen, Dissolved	10	mg/L	
HCCD-09	WW_105	2012-05-14		Oxygen, Dissolved	7.4	mg/L	
HCCD-09	WW_105	2011-11-14		Oxygen, Dissolved	7	mg/L	
HCCD-09	WW_105	2011-07-11		Oxygen, Dissolved	5.7	mg/L	
HCCD-09	WW_105	2011-04-11		Oxygen, Dissolved	9.9	mg/L	
HCCD-09	WW_105	2011-06-13		Oxygen, Dissolved	5.1	mg/L	
HCCD-09	WW_105	2012-07-16		Oxygen, Dissolved	5.1	mg/L	
HCCD-09	WW_105	2012-01-17		Oxygen, Dissolved	11.8	mg/L	
HCCD-09	WW_105	2012-06-11		Oxygen, Dissolved	4.8	mg/L	
HCCD-09	WW_105	2011-10-10		Oxygen, Dissolved	6.6	mg/L	
HCCD-09	WW_105	2010-11-08		Oxygen, Dissolved	8.2	mg/L	
HCCD-09	WW_105	2011-03-14		Oxygen, Dissolved	8.9	mg/L	
HCCD-09	WW_105	2012-02-14		Oxygen, Dissolved	13.4	mg/L	
HCCD-09	WW_105	2012-03-12		Oxygen, Dissolved	8.5	mg/L	
HCCD-09	WW_105	2001-06-11		Oxygen, Dissolved	8.5	mg/L	
HCCD-09	WW_105	2002-09-09		Oxygen, Dissolved	6	mg/L	
HCCD-09	WW_105	2002-06-10		Oxygen, Dissolved	6	mg/L	
HCCD-09	WW_105	2001-07-09		Oxygen, Dissolved	6.7	mg/L	
HCCD-09	WW_105	2005-03-14		Oxygen, Dissolved	13.2	mg/L	
HCCD-09	WW_105	2003-12-08		Oxygen, Dissolved	9	mg/L	
HCCD-09	WW_105	2005-01-10		Oxygen, Dissolved	10.3	mg/L	
HCCD-09	WW_105	2002-08-12		Oxygen, Dissolved	5.7	mg/L	
HCCD-09	WW_105	2003-11-10		Oxygen, Dissolved	8.2	mg/L	
HCCD-09	WW_105	2004-09-13		Oxygen, Dissolved	6.1	mg/L	
HCCD-09	WW_105	2002-07-08		Oxygen, Dissolved	7.3	mg/L	
HCCD-09	WW_105	2003-10-13		Oxygen, Dissolved	7.2	mg/L	
HCCD-09	WW_105	2005-05-09		Oxygen, Dissolved	8	mg/L	
HCCD-09	WW_105	2003-03-10		Oxygen, Dissolved	12.4	mg/L	
HCCD-09	WW_105	2003-02-10		Oxygen, Dissolved	6.6	mg/L	
HCCD-09	WW_105	2003-01-13		Oxygen, Dissolved	8.2	mg/L	
HCCD-09	WW_105	2003-07-14		Oxygen, Dissolved	5	mg/L	
HCCD-09	WW_105	2004-12-13		Oxygen, Dissolved	10.2	mg/L	
HCCD-09	WW_105	2005-10-10		Oxygen, Dissolved	6.1	mg/L	
HCCD-09	WW_105	2001-03-12		Oxygen, Dissolved	10.4	mg/L	
HCCD-09	WW_105	2003-05-12		Oxygen, Dissolved	8.1	mg/L	
HCCD-09	WW_105	2003-04-14		Oxygen, Dissolved	12.3	mg/L	
HCCD-09	WW_105	2003-06-09		Oxygen, Dissolved	5.8	mg/L	
HCCD-09	WW_105	2001-05-14		Oxygen, Dissolved	6.9	mg/L	
HCCD-09	WW_105	2002-10-14		Oxygen, Dissolved	6	mg/L	
HCCD-09	WW_105	2003-09-08		Oxygen, Dissolved	6.2	mg/L	
HCCD-09	WW_105	2004-10-11		Oxygen, Dissolved	8.3	mg/L	
HCCD-09	WW_105	2005-06-13		Oxygen, Dissolved	5.9	mg/L	
HCCD-09	WW_105	2001-04-09		Oxygen, Dissolved	10.6	mg/L	
HCCD-09	WW_105	2002-12-09		Oxygen, Dissolved	9.4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2004-11-08		Oxygen, Dissolved	9.2	mg/L	
HCCD-09	WW_105	2002-11-12		Oxygen, Dissolved	6.8	mg/L	
HCCD-09	WW_105	2003-08-11		Oxygen, Dissolved	6.4	mg/L	
HCCD-09	WW_105	2005-04-11		Oxygen, Dissolved	10	mg/L	
HCCD-09	WW_105	2002-01-14		Oxygen, Dissolved	8.6	mg/L	
HCCD-09	WW_105	2004-06-14		Oxygen, Dissolved	6.3	mg/L	
HCCD-09	WW_105	2004-01-12		Oxygen, Dissolved	8.9	mg/L	
HCCD-09	WW_105	2002-04-08		Oxygen, Dissolved	9.5	mg/L	
HCCD-09	WW_105	2001-09-10		Oxygen, Dissolved	5.3	mg/L	
HCCD-09	WW_105	2004-02-09		Oxygen, Dissolved	9.2	mg/L	
HCCD-09	WW_105	2001-10-08		Oxygen, Dissolved	7.3	mg/L	
HCCD-09	WW_105	2004-04-12		Oxygen, Dissolved	9.9	mg/L	
HCCD-09	WW_105	2002-02-11		Oxygen, Dissolved	12.3	mg/L	
HCCD-09	WW_105	2001-12-10		Oxygen, Dissolved	8.4	mg/L	
HCCD-09	WW_105	2004-07-12		Oxygen, Dissolved	7.5	mg/L	
HCCD-09	WW_105	2004-03-08		Oxygen, Dissolved	10.6	mg/L	
HCCD-09	WW_105	2005-09-12		Oxygen, Dissolved	6.9	mg/L	
HCCD-09	WW_105	2002-05-13		Oxygen, Dissolved	8.5	mg/L	
HCCD-09	WW_105	2005-07-11		Oxygen, Dissolved	7.3	mg/L	
HCCD-09	WW_105	2002-03-11		Oxygen, Dissolved	11.7	mg/L	
HCCD-09	WW_105	2001-11-13		Oxygen, Dissolved	5	mg/L	
HCCD-09	WW_105	2004-08-09		Oxygen, Dissolved	6.6	mg/L	
HCCD-09	WW_105	2005-02-14		Oxygen, Dissolved	10.5	mg/L	
HCCD-09	WW_105	2005-08-08		Oxygen, Dissolved	7.6	mg/L	
HCCD-09	WW_105	2004-05-10		Oxygen, Dissolved	7.2	mg/L	
HCCD-09	WW_105	2001-08-13		Oxygen, Dissolved	5.8	mg/L	
HCCD-09	WW_105	2007-09-10		Oxygen, Dissolved	5.6	mg/L	
HCCD-09	WW_105	2007-05-14		Oxygen, Dissolved	8.2	mg/L	
HCCD-09	WW_105	2008-07-14		Oxygen, Dissolved	4.1	mg/L	
HCCD-09	WW_105	2006-10-09		Oxygen, Dissolved	6.2	mg/L	
HCCD-09	WW_105	2008-03-10		Oxygen, Dissolved	8.9	mg/L	
HCCD-09	WW_105	2006-12-11		Oxygen, Dissolved	9.2	mg/L	
HCCD-09	WW_105	2007-10-08		Oxygen, Dissolved	5.8	mg/L	
HCCD-09	WW_105	2008-10-13		Oxygen, Dissolved	6	mg/L	
HCCD-09	WW_105	2008-02-11		Oxygen, Dissolved	10.5	mg/L	
HCCD-09	WW_105	2007-11-13		Oxygen, Dissolved	7	mg/L	
HCCD-09	WW_105	2008-05-12		Oxygen, Dissolved	8.6	mg/L	
HCCD-09	WW_105	2007-07-09		Oxygen, Dissolved	5.7	mg/L	
HCCD-09	WW_105	2007-12-10		Oxygen, Dissolved	9.9	mg/L	
HCCD-09	WW_105	2008-08-11		Oxygen, Dissolved	5.4	mg/L	
HCCD-09	WW_105	2007-01-08		Oxygen, Dissolved	9.2	mg/L	
HCCD-09	WW_105	2007-08-13		Oxygen, Dissolved	4.3	mg/L	
HCCD-09	WW_105	2008-01-14		Oxygen, Dissolved	10	mg/L	
HCCD-09	WW_105	2006-09-11		Oxygen, Dissolved	6.8	mg/L	
HCCD-09	WW_105	2007-04-09		Oxygen, Dissolved	11.8	mg/L	
HCCD-09	WW_105	2007-06-11		Oxygen, Dissolved	7.6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2008-04-14		Oxygen, Dissolved	6.5	mg/L	
HCCD-09	WW_105	2006-11-13		Oxygen, Dissolved	8.7	mg/L	
HCCD-09	WW_105	2008-09-08		Oxygen, Dissolved	7.3	mg/L	
HCCD-09	WW_105	2007-03-12		Oxygen, Dissolved	10.3	mg/L	
HCCD-09	WW_105	2008-06-09		Oxygen, Dissolved	6.3	mg/L	
HCCD-09	WW_105	2006-01-09		Oxygen, Dissolved	9.9	mg/L	
HCCD-09	WW_105	2010-05-10		Oxygen, Dissolved	8.6	mg/L	
HCCD-09	WW_105	2009-05-11		Oxygen, Dissolved	8.6	mg/L	
HCCD-09	WW_105	2006-05-08		Oxygen, Dissolved	11.7	mg/L	
HCCD-09	WW_105	2010-04-12		Oxygen, Dissolved	5.5	mg/L	
HCCD-09	WW_105	2009-03-09		Oxygen, Dissolved	6.9	mg/L	
HCCD-09	WW_105	2009-02-09		Oxygen, Dissolved	6	mg/L	
HCCD-09	WW_105	2010-07-12		Oxygen, Dissolved	4.8	mg/L	
HCCD-09	WW_105	2005-12-12		Oxygen, Dissolved	10.4	mg/L	
HCCD-09	WW_105	2009-04-13		Oxygen, Dissolved	5.9	mg/L	
HCCD-09	WW_105	2009-06-08		Oxygen, Dissolved	7.7	mg/L	
HCCD-09	WW_105	2006-06-12		Oxygen, Dissolved	7.7	mg/L	
HCCD-09	WW_105	2010-06-14		Oxygen, Dissolved	6.3	mg/L	
HCCD-09	WW_105	2009-11-09		Oxygen, Dissolved	8.4	mg/L	
HCCD-09	WW_105	2010-03-08		Oxygen, Dissolved	11.2	mg/L	
HCCD-09	WW_105	2006-04-10		Oxygen, Dissolved	12.1	mg/L	
HCCD-09	WW_105	2009-12-14		Oxygen, Dissolved	9.5	mg/L	
HCCD-09	WW_105	2009-08-10		Oxygen, Dissolved	7.2	mg/L	
HCCD-09	WW_105	2006-03-13		Oxygen, Dissolved	12	mg/L	
HCCD-09	WW_105	2009-10-12		Oxygen, Dissolved	8.6	mg/L	
HCCD-09	WW_105	2009-09-14		Oxygen, Dissolved	7.6	mg/L	
HCCD-09	WW_105	2010-02-08		Oxygen, Dissolved	9.6	mg/L	
HCCD-09	WW_105	2006-02-14		Oxygen, Dissolved	13.5	mg/L	
HCCD-09	WW_105	2009-07-13		Oxygen, Dissolved	6.5	mg/L	
HCCD-09	WW_105	2010-01-11		Oxygen, Dissolved	9.3	mg/L	
HCCD-09	WW_105	2005-11-14		Oxygen, Dissolved	9.3	mg/L	
HCCD-09	WW_105	2009-01-12		Oxygen, Dissolved	10.3	mg/L	
HCCD-09	WW_105	2010-09-13		Oxygen, Dissolved	6.3	mg/L	
HCCD-09	WW_105	2010-08-09		Oxygen, Dissolved	5	mg/L	
HCCD-09	WW_105	2006-08-14		Oxygen, Dissolved	6.5	mg/L	
HCCD-09	WW_105	2008-12-08		Oxygen, Dissolved	9.7	mg/L	
HCCD-09	WW_105	2008-11-10		Oxygen, Dissolved	8	mg/L	
HCCD-09	WW_105	2006-07-10		Oxygen, Dissolved	6.9	mg/L	
UHH	UHH-1	2002-05-14		pH	8.01	SU	3
UHH	UHH-1	2002-06-18		pH	7.78	SU	3
UHH	UHH-1	2002-07-23		pH	8.2	SU	3
UHH	UHH-1	2002-08-20		pH	8.1	SU	3
UHH	UHH-1	2002-09-17		pH	8.39	SU	3
UHH	UHH-2	2002-05-14		pH	7.39	SU	3
UHH	UHH-2	2002-06-18		pH	7.27	SU	3
UHH	UHH-2	2002-07-23		pH	7.69	SU	3

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-2	2002-08-20		pH	7.46	SU	3
UHH	UHH-2	2002-09-17		pH	7.47	SU	3
HCC-07	HCC-07	2000-01-24	13:15	Phosphorus, Dissolved	2.1	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Phosphorus, Dissolved	1.28	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Phosphorus, Dissolved	0.8	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Phosphorus, Dissolved	1.24	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Phosphorus, Dissolved	1.39	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Phosphorus, Dissolved	0.31	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Phosphorus, Dissolved	1.4	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Phosphorus, Dissolved	0.166	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Phosphorus, Dissolved	1.5	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Phosphorus, Dissolved	1.1	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Phosphorus, Dissolved	0.59	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Phosphorus, Dissolved	0.61	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Phosphorus, Dissolved	0.3	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Phosphorus, Dissolved	0.26	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Phosphorus, Dissolved	0.57	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Phosphorus, Dissolved	0.75	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Phosphorus, Dissolved	0.627	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Phosphorus, Dissolved	0.543	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Phosphorus, Dissolved	1.51	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Phosphorus, Dissolved	0.86	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Phosphorus, Dissolved	0.3	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Phosphorus, Dissolved	0.266	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Phosphorus, Dissolved	1.45	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Phosphorus, Dissolved	0.103	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Phosphorus, Dissolved	0.46	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Phosphorus, Dissolved	0.6	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Phosphorus, Dissolved	0.97	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Phosphorus, Dissolved	0.73	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Phosphorus, Dissolved	0.315	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Phosphorus, Dissolved	0.307	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Phosphorus, Dissolved	0.59	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Phosphorus, Dissolved	0.226	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Phosphorus, Dissolved	0.283	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Phosphorus, Dissolved	0.411	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Phosphorus, Dissolved	0.277	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Phosphorus, Dissolved	0.091	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Phosphorus, Dissolved	0.026	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Phosphorus, Dissolved	0.054	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Phosphorus, Dissolved	0.121	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Phosphorus, Dissolved	0.025	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Phosphorus, Dissolved	1.08	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Phosphorus, Dissolved	0.21	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Phosphorus, Dissolved	0.494	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Phosphorus, Dissolved	0.172	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2001-05-02	12:30	Phosphorus, Dissolved	0.63	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Phosphorus, Dissolved	0.22	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Phosphorus, Dissolved	0.999	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Phosphorus, Dissolved	0.65	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Phosphorus, Dissolved	0.5	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Phosphorus, Dissolved	1.229	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Phosphorus, Dissolved	1.58	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Phosphorus, Dissolved	0.62	mg/L	
HCC-07	HCC-07	2008-11-10	11:00	Phosphorus, Dissolved	0.909	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Phosphorus, Dissolved	0.88	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Phosphorus, Dissolved	0.666	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Phosphorus, Dissolved	0.526	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Phosphorus, Dissolved	0.476	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Phosphorus, Dissolved	0.223	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Phosphorus, Dissolved	0.368	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Phosphorus, Dissolved	0.108	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Phosphorus, Dissolved	0.17	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Phosphorus, Dissolved	0.903	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Phosphorus, Dissolved	0.449	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Phosphorus, Dissolved	0.336	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Phosphorus, Dissolved	1.53	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Phosphorus, Dissolved	0.787	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Phosphorus, Dissolved	0.645	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Phosphorus, Dissolved	0.314	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Phosphorus, Dissolved	0.184	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Phosphorus, Dissolved	0.125	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Phosphorus, Dissolved	0.625	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Phosphorus, Dissolved	0.722	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Phosphorus, Dissolved	0.242	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Phosphorus, Dissolved	0.823	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Phosphorus, Dissolved	0.322	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Phosphorus, Dissolved	1.39	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Phosphorus, Dissolved	1	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Phosphorus, Dissolved	1.06	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Phosphorus, Dissolved	0.992	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Phosphorus, Dissolved	0.723	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Phosphorus, Dissolved	1.16	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Phosphorus, Dissolved	1.29	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Phosphorus, Dissolved	1.22	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Phosphorus, Dissolved	0.548	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Phosphorus, Dissolved	0.207	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Phosphorus, Dissolved	0.119	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Phosphorus, Dissolved	0.281	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Phosphorus, Dissolved	0.305	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Phosphorus, Dissolved	0.144	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Phosphorus, Dissolved	0.603	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2005-06-06	12:45	Phosphorus, Dissolved	1.238	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Phosphorus, Dissolved	0.757	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Phosphorus, Dissolved	1.177	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Phosphorus, Dissolved	1.03	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Phosphorus, Dissolved	1.385	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Phosphorus, Dissolved	0.693	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Phosphorus, Dissolved	0.928	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Phosphorus, Dissolved	0.888	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Phosphorus, Dissolved	0.48	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Phosphorus, Dissolved	0.955	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Phosphorus, Dissolved	0.54	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Phosphorus, Dissolved	1.8	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Phosphorus, Dissolved	0.44	mg/L	
HCC-07	WW_34	2001-03-12		Phosphorus, Dissolved	0.709	mg/L	
HCC-07	WW_34	2001-01-16		Phosphorus, Dissolved	0.383	mg/L	
HCC-07	WW_34	2001-02-13		Phosphorus, Dissolved	0.209	mg/L	
HCC-07	WW_34	2001-05-14		Phosphorus, Dissolved	0.299	mg/L	
HCC-07	WW_34	2001-04-09		Phosphorus, Dissolved	0.414	mg/L	
HCC-07	WW_34	2001-06-11		Phosphorus, Dissolved	0.5	mg/L	
HCC-07	WW_96	2001-02-13		Phosphorus, Dissolved	0.804	mg/L	
HCC-07	WW_96	2001-01-16		Phosphorus, Dissolved	0.49	mg/L	
HCC-07	WW_96	2001-03-12		Phosphorus, Dissolved	0.718	mg/L	
HCC-07	WW_96	2001-04-09		Phosphorus, Dissolved	0.463	mg/L	
HCC-07	WW_96	2001-06-11		Phosphorus, Dissolved	0.436	mg/L	
HCC-07	WW_96	2001-05-14		Phosphorus, Dissolved	0.241	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Phosphorus, Dissolved	1.7	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Phosphorus, Dissolved	0.382	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Phosphorus, Dissolved	0.87	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Phosphorus, Dissolved	0.764	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Phosphorus, Dissolved	1.92	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Phosphorus, Dissolved	1.04	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Phosphorus, Dissolved	1.14	mg/L	
HCCB-05	WW_106	2001-03-12		Phosphorus, Dissolved	1.21	mg/L	
HCCB-05	WW_106	2001-04-09		Phosphorus, Dissolved	0.433	mg/L	
HCCB-05	WW_106	2001-06-11		Phosphorus, Dissolved	1.329	mg/L	
HCCB-05	WW_106	2001-05-14		Phosphorus, Dissolved	0.665	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Phosphorus, Dissolved	0.04	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Phosphorus, Dissolved	0.04	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Phosphorus, Dissolved	0.06	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Phosphorus, Dissolved	0.2	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Phosphorus, Dissolved	0.013	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Phosphorus, Dissolved	0.103	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Phosphorus, Dissolved	0.16	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Phosphorus, Dissolved	0.061	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Phosphorus, Dissolved	0.034	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2012-07-24	9:34	Phosphorus, Dissolved	0.182	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Phosphorus, Dissolved	0.154	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Phosphorus, Dissolved	0.366	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Phosphorus, Dissolved	0.111	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Phosphorus, Dissolved	0.027	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Phosphorus, Dissolved	0.077	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Phosphorus, Dissolved	0.214	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Phosphorus, Dissolved	0.06	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Phosphorus, Dissolved	0.182	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Phosphorus, Dissolved	0.054	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Phosphorus, Dissolved	0.097	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Phosphorus, Dissolved	0.105	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Phosphorus, Dissolved	0.15	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Phosphorus, Dissolved	0.113	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Phosphorus, Dissolved	0.09	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Phosphorus, Dissolved	0.017	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Phosphorus, Dissolved	0.073	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Phosphorus, Dissolved	0.025	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Phosphorus, Dissolved	0.01	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Phosphorus, Dissolved	0.031	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Phosphorus, Dissolved	0.072	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Phosphorus, Dissolved	0.059	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Phosphorus, Dissolved	0.252	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Phosphorus, Dissolved	0.08	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Phosphorus, Dissolved	0.17	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Phosphorus, Dissolved	0.12	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Phosphorus, Dissolved	0.181	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Phosphorus, Dissolved	0.291	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Phosphorus, Dissolved	0.016	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Phosphorus, Dissolved	0.033	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	1999-03-05	9:45	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Phosphorus, Dissolved	0.09	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Phosphorus, Dissolved	0.23	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Phosphorus, Dissolved	0.15	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Phosphorus, Dissolved	0.015	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Phosphorus, Dissolved	0.032	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Phosphorus, Dissolved	0.041	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Phosphorus, Dissolved	0.201	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2006-01-24	8:30	Phosphorus, Dissolved	0.013	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Phosphorus, Dissolved	0.013	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Phosphorus, Dissolved	0.07	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Phosphorus, Dissolved	0.069	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Phosphorus, Dissolved	0.102	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Phosphorus, Dissolved	0.013	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Phosphorus, Dissolved	0.027	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Phosphorus, Dissolved	0.19	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Phosphorus, Dissolved	0.154	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Phosphorus, Dissolved	0.078	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Phosphorus, Dissolved	0.077	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Phosphorus, Dissolved	0.042	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Phosphorus, Dissolved	0.075	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Phosphorus, Dissolved	0.024	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Phosphorus, Dissolved	0.14	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Phosphorus, Dissolved	0.325	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Phosphorus, Dissolved	0.697	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Phosphorus, Dissolved	0.101	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Phosphorus, Dissolved	0.074	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Phosphorus, Dissolved	1.12	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Phosphorus, Dissolved	0.081	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Phosphorus, Dissolved	0.213	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Phosphorus, Dissolved	0.112	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Phosphorus, Dissolved	0.109	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Phosphorus, Dissolved	0.043	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Phosphorus, Dissolved	0.06	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Phosphorus, Dissolved	0.027	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Phosphorus, Dissolved	0.025	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Phosphorus, Dissolved	0.046	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Phosphorus, Dissolved	0.006	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Phosphorus, Dissolved	0.012	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Phosphorus, Dissolved	0.09	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Phosphorus, Dissolved	0.05	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Phosphorus, Dissolved	0.2	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Phosphorus, Dissolved	0.03	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Phosphorus, Dissolved	0.04	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Phosphorus, Dissolved	0.02	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Phosphorus, Dissolved	0.12	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Phosphorus, Dissolved	0.06	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Phosphorus, Dissolved	0.14	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Phosphorus, Dissolved	0.055	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Phosphorus, Dissolved	0.075	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Phosphorus, Dissolved	0.097	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2010-11-09	10:35	Phosphorus, Dissolved	0.085	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Phosphorus, Dissolved	0.07	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Phosphorus, Dissolved	0.032	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Phosphorus, Dissolved	0.136	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Phosphorus, Dissolved	0.063	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Phosphorus, Dissolved	0.051	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Phosphorus, Dissolved	0.063	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Phosphorus, Dissolved	0.122	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Phosphorus, Dissolved	0.0623	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Phosphorus, Dissolved	0.04	mg/L	1 ft
HCCC-02	HCCC-06	2011-08-17	9:10	Phosphorus, Dissolved	0.083	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Phosphorus, Dissolved	0.073	mg/L	
HCCC-02	WW_31	2001-02-13		Phosphorus, Dissolved	0	mg/L	
HCCC-02	WW_31	2001-03-12		Phosphorus, Dissolved	0	mg/L	
HCCC-02	WW_31	2001-05-14		Phosphorus, Dissolved	0.083	mg/L	
HCCC-02	WW_31	2001-06-11		Phosphorus, Dissolved	0	mg/L	
HCCC-02	WW_31	2001-04-09		Phosphorus, Dissolved	0	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Phosphorus, Dissolved	1.02	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Phosphorus, Dissolved	0.34	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Phosphorus, Dissolved	1.31	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Phosphorus, Dissolved	1.1	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Phosphorus, Dissolved	1.7	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Phosphorus, Dissolved	0.182	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Phosphorus, Dissolved	0.803	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Phosphorus, Dissolved	1.03	mg/L	
HCCC-04	WW_103	2001-06-11		Phosphorus, Dissolved	0.409	mg/L	
HCCC-04	WW_103	2001-04-09		Phosphorus, Dissolved	0.317	mg/L	
HCCC-04	WW_103	2001-03-12		Phosphorus, Dissolved	0.666	mg/L	
HCCC-04	WW_103	2001-05-14		Phosphorus, Dissolved	0.391	mg/L	
HCCC-04	WW_104	2001-04-09		Phosphorus, Dissolved	0.535	mg/L	
HCCC-04	WW_104	2001-06-11		Phosphorus, Dissolved	0.542	mg/L	
HCCC-04	WW_104	2001-03-12		Phosphorus, Dissolved	0.75	mg/L	
HCCC-04	WW_104	2001-05-14		Phosphorus, Dissolved	0.291	mg/L	
HCCD-01	WW_32	2001-05-14		Phosphorus, Dissolved	0.086	mg/L	
HCCD-01	WW_32	2001-06-11		Phosphorus, Dissolved	0	mg/L	
HCCD-01	WW_32	2001-02-13		Phosphorus, Dissolved	0	mg/L	
HCCD-01	WW_32	2001-04-09		Phosphorus, Dissolved	0.004	mg/L	
HCCD-01	WW_32	2001-03-12		Phosphorus, Dissolved	0	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Phosphorus, Dissolved	2.5	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Phosphorus, Dissolved	0.117	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Phosphorus, Dissolved	0.606	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Phosphorus, Dissolved	0.37	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Phosphorus, Dissolved	1.17	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Phosphorus, Dissolved	1.79	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Phosphorus, Dissolved	0.828	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Phosphorus, Dissolved	1.32	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2001-06-11		Phosphorus, Dissolved	0.646	mg/L	
HCCD-09	WW_105	2001-03-12		Phosphorus, Dissolved	0.959	mg/L	
HCCD-09	WW_105	2001-05-14		Phosphorus, Dissolved	0.329	mg/L	
HCCD-09	WW_105	2001-04-09		Phosphorus, Dissolved	0.586	mg/L	
RHJ	RHJ-1	2001-09-04	12:00	Phosphorus, Dissolved	0.077	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Phosphorus, Dissolved	0.077	mg/L	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Phosphorus, Dissolved	0.1	mg/L	1.5 ft
RHJ	RHJ-1	2001-06-22	11:15	Phosphorus, Dissolved	0.096	mg/L	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Dissolved	0.08	mg/L	8 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Dissolved	0.08	mg/L	8 ft
RHJ	RHJ-1	2003-08-27	10:25	Phosphorus, Dissolved	0.067	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Dissolved	0.022	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Phosphorus, Dissolved	0.084	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJ	RHJ-1	2001-06-22	11:15	Phosphorus, Dissolved	0.096	mg/L	4 ft
RHJ	RHJ-1	2001-11-05	11:30	Phosphorus, Dissolved	0.1	mg/L	1.5 ft
RHJ	RHJ-1	2011-06-14	9:12	Phosphorus, Dissolved	0.188	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Phosphorus, Dissolved	0.155	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Phosphorus, Dissolved	0.07	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Phosphorus, Dissolved	0.148	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Phosphorus, Dissolved	0.067	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Dissolved	0.022	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Phosphorus, Dissolved	0.084	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Phosphorus, Dissolved	0.031	mg/L	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Phosphorus, Dissolved	0.1	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Phosphorus, Dissolved	0.043	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Phosphorus, Dissolved	0.045	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Phosphorus, Dissolved	0.013	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Phosphorus, Dissolved	0.025	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Dissolved	0.021	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Phosphorus, Dissolved	0.18	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Phosphorus, Dissolved	0.025	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Phosphorus, Dissolved	0.18	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Phosphorus, Dissolved	0.045	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Dissolved	0.021	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Phosphorus, Dissolved	0.116	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Phosphorus, Dissolved	0.083	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Phosphorus, Dissolved	0.01	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Phosphorus, Dissolved	0.133	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Phosphorus, Dissolved	0.013	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Phosphorus, Dissolved	0.026	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Phosphorus, Dissolved	0.043	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Phosphorus, Dissolved	0.031	mg/L	4.5 ft
RHJ	RHJ-2	2001-07-16	13:35	Phosphorus, Dissolved	0.1	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Dissolved	0.081	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Phosphorus, Dissolved	0.12	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Phosphorus, Dissolved	0.096	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Phosphorus, Dissolved	0.166	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Phosphorus, Dissolved	0.04	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Phosphorus, Dissolved	0.198	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Phosphorus, Dissolved	0.04	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Phosphorus, Dissolved	0.12	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Dissolved	0.081	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Phosphorus, Dissolved	0.119	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Phosphorus, Dissolved	0.019	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Phosphorus, Dissolved	0.292	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Phosphorus, Dissolved	0.166	mg/L	1 ft
RHJA	RHJA-1	2004-07-01	15:00	Phosphorus, Dissolved	0.01	mg/L	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Phosphorus, Dissolved	0.019	mg/L	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Phosphorus, Dissolved	0.033	mg/L	14 ft
RHJA	RHJA-1	2004-07-14	10:25	Phosphorus, Dissolved	0.013	mg/L	1 ft
RHJA	RHJA-1	2005-04-05	10:26	Phosphorus, Dissolved	0.004	mg/L	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Phosphorus, Dissolved	0.008	mg/L	12 ft
RHJA	RHJA-1	2005-04-20	11:36	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Phosphorus, Dissolved	0.004	mg/L	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-1	2005-06-15	9:50	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-1	2005-06-29	10:14	Phosphorus, Dissolved	0.017	mg/L	12 ft
RHJA	RHJA-1	2005-06-29	10:10	Phosphorus, Dissolved	0.008	mg/L	1 ft
RHJA	RHJA-1	2005-07-13	9:00	Phosphorus, Dissolved	0.006	mg/L	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Phosphorus, Dissolved	0.01	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Phosphorus, Dissolved	0.01	mg/L	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Phosphorus, Dissolved	0.009	mg/L	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-1	2005-08-24	10:03	Phosphorus, Dissolved	0.009	mg/L	12 ft
RHJA	RHJA-1	2005-08-24	9:58	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJA	RHJA-1	2005-09-15	11:06	Phosphorus, Dissolved	0.011	mg/L	12 ft
RHJA	RHJA-1	2005-09-15	10:01	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJA	RHJA-1	2005-10-12	10:25	Phosphorus, Dissolved	0.011	mg/L	12 ft
RHJA	RHJA-1	2005-10-12	10:20	Phosphorus, Dissolved	0.012	mg/L	1 ft
RHJA	RHJA-1	2005-11-15	9:50	Phosphorus, Dissolved	0.004	mg/L	12 ft
RHJA	RHJA-1	2005-11-15	9:45	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-1	2005-12-21	10:13	Phosphorus, Dissolved	0.017	mg/L	12 ft
RHJA	RHJA-1	2005-12-21	10:10	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJA	RHJA-2	2004-07-01	16:22	Phosphorus, Dissolved	0.012	mg/L	15 ft
RHJA	RHJA-2	2004-07-01	16:13	Phosphorus, Dissolved	0.006	mg/L	1 ft
RHJA	RHJA-2	2004-07-14	11:31	Phosphorus, Dissolved	0.106	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:43	Phosphorus, Dissolved	0.012	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Phosphorus, Dissolved	0.009	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-04-05	11:37	Phosphorus, Dissolved	0.01	mg/L	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-2	2005-04-20	12:56	Phosphorus, Dissolved	0.005	mg/L	16 ft
RHJA	RHJA-2	2005-04-20	12:51	Phosphorus, Dissolved	0.008	mg/L	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Phosphorus, Dissolved	0.006	mg/L	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJA	RHJA-2	2005-06-15	10:58	Phosphorus, Dissolved	0.006	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-2	2005-06-29	11:02	Phosphorus, Dissolved	0.008	mg/L	16 ft
RHJA	RHJA-2	2005-06-29	10:57	Phosphorus, Dissolved	0.004	mg/L	1 ft
RHJA	RHJA-2	2005-07-13	10:07	Phosphorus, Dissolved	0.008	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:39	Phosphorus, Dissolved	0.064	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-2	2005-08-11	10:07	Phosphorus, Dissolved	0.059	mg/L	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Phosphorus, Dissolved	0.008	mg/L	1 ft
RHJA	RHJA-2	2005-08-24	10:56	Phosphorus, Dissolved	0.044	mg/L	16 ft
RHJA	RHJA-2	2005-08-24	10:50	Phosphorus, Dissolved	0.006	mg/L	1 ft
RHJA	RHJA-2	2005-09-15	10:55	Phosphorus, Dissolved	0.026	mg/L	16 ft
RHJA	RHJA-2	2005-09-15	10:50	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJA	RHJA-2	2005-10-12	11:25	Phosphorus, Dissolved	0.009	mg/L	16 ft
RHJA	RHJA-2	2005-10-12	11:19	Phosphorus, Dissolved	0.01	mg/L	1 ft
RHJA	RHJA-2	2005-11-15	10:45	Phosphorus, Dissolved	0.008	mg/L	16 ft
RHJA	RHJA-2	2005-11-15	10:40	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-2	2005-12-21	11:30	Phosphorus, Dissolved	0.018	mg/L	15 ft
RHJA	RHJA-2	2005-12-21	11:25	Phosphorus, Dissolved	0.039	mg/L	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Phosphorus, Dissolved	0.02	mg/L	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Phosphorus, Dissolved	0.014	mg/L	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Phosphorus, Dissolved	0.018	mg/L	13 ft
RHJA	RHJA-3	2004-11-01	11:39	Phosphorus, Dissolved	0.004	mg/L	12 ft
RHJA	RHJA-3	2005-04-05	12:05	Phosphorus, Dissolved	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Phosphorus, Dissolved	0.046	mg/L	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Phosphorus, Dissolved	0.004	mg/L	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Phosphorus, Dissolved	0.008	mg/L	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Phosphorus, Dissolved	0.005	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Phosphorus, Dissolved	0.005	mg/L	1 ft
RHJA	RHJA-3	2005-06-29	11:53	Phosphorus, Dissolved	0.009	mg/L	12 ft
RHJA	RHJA-3	2005-06-29	11:40	Phosphorus, Dissolved	0.006	mg/L	1 ft
RHJA	RHJA-3	2005-07-13	10:31	Phosphorus, Dissolved	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-07-13	10:28	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Phosphorus, Dissolved	0.036	mg/L	12 ft
RHJA	RHJA-3	2005-07-27	10:58	Phosphorus, Dissolved	0.012	mg/L	1 ft
RHJA	RHJA-3	2005-08-11	10:35	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Phosphorus, Dissolved	0.017	mg/L	12 ft
RHJA	RHJA-3	2005-08-24	11:22	Phosphorus, Dissolved	0.009	mg/L	1 ft
RHJA	RHJA-3	2005-08-24	11:29	Phosphorus, Dissolved	0.009	mg/L	12 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-3	2005-09-15	11:19	Phosphorus, Dissolved	0.013	mg/L	1 ft
RHJA	RHJA-3	2005-09-15	11:25	Phosphorus, Dissolved	0.011	mg/L	12 ft
RHJA	RHJA-3	2005-10-12	11:49	Phosphorus, Dissolved	0.01	mg/L	1 ft
RHJA	RHJA-3	2005-10-12	11:54	Phosphorus, Dissolved	0.014	mg/L	12 ft
RHJA	RHJA-3	2005-11-15	11:05	Phosphorus, Dissolved	0.011	mg/L	1 ft
RHJA	RHJA-3	2005-11-15	11:07	Phosphorus, Dissolved	0.01	mg/L	12 ft
RHJA	RHJA-3	2005-12-21	11:55	Phosphorus, Dissolved	0.014	mg/L	11 ft
RHJA	RHJA-3	2005-12-21	11:50	Phosphorus, Dissolved	0.019	mg/L	1 ft
UHH	UHH-1	2002-05-14		Phosphorus, Soluble Reactive	0.005	mg/L	3
UHH	UHH-1	2002-06-18		Phosphorus, Soluble Reactive	0.01	mg/L	3
UHH	UHH-1	2002-07-23		Phosphorus, Soluble Reactive	ND	mg/L	3
UHH	UHH-1	2002-08-20		Phosphorus, Soluble Reactive	ND	mg/L	3
UHH	UHH-1	2002-09-17		Phosphorus, Soluble Reactive	ND	mg/L	3
UHH	UHH-2	2002-05-14		Phosphorus, Soluble Reactive	0.007	mg/L	3
UHH	UHH-2	2002-06-18		Phosphorus, Soluble Reactive	0.019	mg/L	3
UHH	UHH-2	2002-07-23		Phosphorus, Soluble Reactive	ND	mg/L	3
UHH	UHH-2	2002-08-20		Phosphorus, Soluble Reactive	ND	mg/L	3
UHH	UHH-2	2002-09-17		Phosphorus, Soluble Reactive	ND	mg/L	3
HCC-07	HCC-07	2000-01-24	13:15	Phosphorus, Total	2.2	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Phosphorus, Total	1.37	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Phosphorus, Total	0.56	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Phosphorus, Total	0.4	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Phosphorus, Total	1.52	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Phosphorus, Total	0.23	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Phosphorus, Total	1.5	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Phosphorus, Total	0.85	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Phosphorus, Total	1.6	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Phosphorus, Total	0.66	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Phosphorus, Total	0.71	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Phosphorus, Total	1.2	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Phosphorus, Total	0.4	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Phosphorus, Total	0.32	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Phosphorus, Total	1.76	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Phosphorus, Total	0.63	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Phosphorus, Total	0.81	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Phosphorus, Total	0.648	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Phosphorus, Total	0.826	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Phosphorus, Total	1.59	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Phosphorus, Total	0.93	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Phosphorus, Total	1.65	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Phosphorus, Total	0.363	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Phosphorus, Total	0.19	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Phosphorus, Total	0.233	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Phosphorus, Total	1.45	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Phosphorus, Total	0.54	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Phosphorus, Total	0.7	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	1999-08-24	15:45	Phosphorus, Total	0.86	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Phosphorus, Total	0.332	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Phosphorus, Total	1.229	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Phosphorus, Total	0.361	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Phosphorus, Total	0.68	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Phosphorus, Total	1.1	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Phosphorus, Total	0.318	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Phosphorus, Total	0.517	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Phosphorus, Total	0.201	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Phosphorus, Total	0.371	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Phosphorus, Total	0.767	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Phosphorus, Total	0.281	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Phosphorus, Total	1.23	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Phosphorus, Total	1.17	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Phosphorus, Total	0.365	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Phosphorus, Total	0.31	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Phosphorus, Total	0.364	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Phosphorus, Total	0.647	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Phosphorus, Total	0.394	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Phosphorus, Total	0.72	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Phosphorus, Total	0.52	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Phosphorus, Total	1.08	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Phosphorus, Total	0.74	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Phosphorus, Total	0.58	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Phosphorus, Total	0.73	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Phosphorus, Total	0.969	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Phosphorus, Total	1.03	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Phosphorus, Total	0.733	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Phosphorus, Total	0.587	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Phosphorus, Total	0.326	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Phosphorus, Total	0.193	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Phosphorus, Total	0.56	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Phosphorus, Total	0.435	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Phosphorus, Total	0.638	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Phosphorus, Total	0.26	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Phosphorus, Total	0.943	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Phosphorus, Total	0.546	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Phosphorus, Total	1.56	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Phosphorus, Total	0.829	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Phosphorus, Total	1.45	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Phosphorus, Total	0.667	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Phosphorus, Total	0.495	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Phosphorus, Total	1.36	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Phosphorus, Total	0.294	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Phosphorus, Total	0.227	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Phosphorus, Total	0.317	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2013-08-05	10:49	Phosphorus, Total	0.731	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Phosphorus, Total	0.788	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Phosphorus, Total	0.885	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Phosphorus, Total	0.032	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Phosphorus, Total	0.844	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Phosphorus, Total	1.16	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Phosphorus, Total	0.18	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Phosphorus, Total	1.42	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Phosphorus, Total	1.08	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Phosphorus, Total	1.31	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Phosphorus, Total	0.716	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Phosphorus, Total	0.89	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Phosphorus, Total	0.465	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Phosphorus, Total	1.35	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Phosphorus, Total	1.46	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Phosphorus, Total	1.37	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Phosphorus, Total	0.358	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Phosphorus, Total	0.636	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Phosphorus, Total	0.34	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Phosphorus, Total	0.312	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Phosphorus, Total	0.366	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Phosphorus, Total	0.684	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Phosphorus, Total	1.262	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Phosphorus, Total	1.307	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Phosphorus, Total	0.783	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Phosphorus, Total	1.08	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Phosphorus, Total	1.52	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Phosphorus, Total	0.918	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Phosphorus, Total	0.826	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Phosphorus, Total	0.996	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Phosphorus, Total	0.69	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Phosphorus, Total	1.03	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Phosphorus, Total	0.72	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Phosphorus, Total	2.03	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Phosphorus, Total	0.513	mg/L	
HCC-07	WW_34	2012-04-09		Phosphorus, Total	0.51	mg/L	
HCC-07	WW_34	2012-06-11		Phosphorus, Total	1.03	mg/L	
HCC-07	WW_34	2011-11-14		Phosphorus, Total	0.46	mg/L	
HCC-07	WW_34	2011-07-11		Phosphorus, Total	1.29	mg/L	
HCC-07	WW_34	2011-01-10		Phosphorus, Total	0.94	mg/L	
HCC-07	WW_34	2012-05-14		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_34	2011-12-12		Phosphorus, Total	0.48	mg/L	
HCC-07	WW_34	2011-04-11		Phosphorus, Total	0.25	mg/L	
HCC-07	WW_34	2011-08-08		Phosphorus, Total	0.32	mg/L	
HCC-07	WW_34	2012-07-16		Phosphorus, Total	0.94	mg/L	
HCC-07	WW_34	2011-06-13		Phosphorus, Total	0.24	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2012-01-17		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_34	2012-03-12		Phosphorus, Total	0.33	mg/L	
HCC-07	WW_34	2011-05-09		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_34	2011-03-14		Phosphorus, Total	0.25	mg/L	
HCC-07	WW_34	2012-02-14		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_34	2011-09-12		Phosphorus, Total	1.24	mg/L	
HCC-07	WW_34	2011-10-10		Phosphorus, Total	0.92	mg/L	
HCC-07	WW_34	2004-09-13		Phosphorus, Total	1.87	mg/L	
HCC-07	WW_34	2005-01-10		Phosphorus, Total	0.69	mg/L	
HCC-07	WW_34	2004-12-13		Phosphorus, Total	0.44	mg/L	
HCC-07	WW_34	2004-08-09		Phosphorus, Total	0.93	mg/L	
HCC-07	WW_34	2004-06-14		Phosphorus, Total	0.37	mg/L	
HCC-07	WW_34	2005-07-11		Phosphorus, Total	1.51	mg/L	
HCC-07	WW_34	2005-04-11		Phosphorus, Total	0.92	mg/L	
HCC-07	WW_34	2005-02-14		Phosphorus, Total	0.35	mg/L	
HCC-07	WW_34	2005-08-08		Phosphorus, Total	2.2	mg/L	
HCC-07	WW_34	2004-10-11		Phosphorus, Total	0.89	mg/L	
HCC-07	WW_34	2005-09-12		Phosphorus, Total	2.27	mg/L	
HCC-07	WW_34	2005-03-14		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_34	2004-07-12		Phosphorus, Total	0.42	mg/L	
HCC-07	WW_34	2004-11-08		Phosphorus, Total	0.58	mg/L	
HCC-07	WW_34	2005-05-09		Phosphorus, Total	1.68	mg/L	
HCC-07	WW_34	2005-06-13		Phosphorus, Total	1.76	mg/L	
HCC-07	WW_34	2006-08-14		Phosphorus, Total	1.77	mg/L	
HCC-07	WW_34	2006-12-11		Phosphorus, Total	0.54	mg/L	
HCC-07	WW_34	2006-03-13		Phosphorus, Total	0.48	mg/L	
HCC-07	WW_34	2007-04-09		Phosphorus, Total	0.48	mg/L	
HCC-07	WW_34	2005-10-10		Phosphorus, Total	0.45	mg/L	
HCC-07	WW_34	2006-01-09		Phosphorus, Total	1	mg/L	
HCC-07	WW_34	2006-04-10		Phosphorus, Total	0.57	mg/L	
HCC-07	WW_34	2007-03-12		Phosphorus, Total	0.21	mg/L	
HCC-07	WW_34	2006-06-12		Phosphorus, Total	0.91	mg/L	
HCC-07	WW_34	2007-01-08		Phosphorus, Total	0.47	mg/L	
HCC-07	WW_34	2006-10-09		Phosphorus, Total	0.6	mg/L	
HCC-07	WW_34	2006-05-08		Phosphorus, Total	0.96	mg/L	
HCC-07	WW_34	2006-07-10		Phosphorus, Total	1.49	mg/L	
HCC-07	WW_34	2006-11-13		Phosphorus, Total	0.29	mg/L	
HCC-07	WW_34	2006-02-14		Phosphorus, Total	0.73	mg/L	
HCC-07	WW_34	2005-11-14		Phosphorus, Total	0.86	mg/L	
HCC-07	WW_34	2006-09-11		Phosphorus, Total	0.74	mg/L	
HCC-07	WW_34	2009-08-10		Phosphorus, Total	0.89	mg/L	
HCC-07	WW_34	2007-10-08		Phosphorus, Total	1.41	mg/L	
HCC-07	WW_34	2008-05-12		Phosphorus, Total	0.49	mg/L	
HCC-07	WW_34	2007-11-13		Phosphorus, Total	2.02	mg/L	
HCC-07	WW_34	2008-11-10		Phosphorus, Total	1.11	mg/L	
HCC-07	WW_34	2008-04-14		Phosphorus, Total	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2007-09-10		Phosphorus, Total	0.7	mg/L	
HCC-07	WW_34	2009-07-13		Phosphorus, Total	0.9	mg/L	
HCC-07	WW_34	2009-11-09		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_34	2009-09-14		Phosphorus, Total	1.38	mg/L	
HCC-07	WW_34	2009-10-12		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_34	2008-10-13		Phosphorus, Total	0.67	mg/L	
HCC-07	WW_34	2009-04-13		Phosphorus, Total	0.4	mg/L	
HCC-07	WW_34	2009-01-12		Phosphorus, Total	0.65	mg/L	
HCC-07	WW_34	2008-01-14		Phosphorus, Total	0.37	mg/L	
HCC-07	WW_34	2008-03-10		Phosphorus, Total	0.3	mg/L	
HCC-07	WW_34	2009-03-09		Phosphorus, Total	0	mg/L	
HCC-07	WW_34	2009-02-09		Phosphorus, Total	0	mg/L	
HCC-07	WW_34	2009-06-08		Phosphorus, Total	0.46	mg/L	
HCC-07	WW_34	2008-12-08		Phosphorus, Total	0.91	mg/L	
HCC-07	WW_34	2009-05-11		Phosphorus, Total	0.4	mg/L	
HCC-07	WW_34	2007-12-10		Phosphorus, Total	1.07	mg/L	
HCC-07	WW_34	2007-06-11		Phosphorus, Total	0.84	mg/L	
HCC-07	WW_34	2010-06-14		Phosphorus, Total	0.49	mg/L	
HCC-07	WW_34	2007-07-09		Phosphorus, Total	1.07	mg/L	
HCC-07	WW_34	2008-08-11		Phosphorus, Total	1.39	mg/L	
HCC-07	WW_34	2010-05-10		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_34	2010-07-12		Phosphorus, Total	0.41	mg/L	
HCC-07	WW_34	2007-05-14		Phosphorus, Total	0.89	mg/L	
HCC-07	WW_34	2010-08-09		Phosphorus, Total	0.56	mg/L	
HCC-07	WW_34	2008-07-14		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_34	2008-06-09		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_34	2010-02-08		Phosphorus, Total	0.66	mg/L	
HCC-07	WW_34	2007-08-13		Phosphorus, Total	0.51	mg/L	
HCC-07	WW_34	2010-03-08		Phosphorus, Total	0.43	mg/L	
HCC-07	WW_34	2009-12-14		Phosphorus, Total	0.45	mg/L	
HCC-07	WW_34	2010-01-11		Phosphorus, Total	0.76	mg/L	
HCC-07	WW_34	2010-04-12		Phosphorus, Total	0.28	mg/L	
HCC-07	WW_34	2008-09-08		Phosphorus, Total	0.49	mg/L	
HCC-07	WW_34	2002-05-13		Phosphorus, Total	0.2	mg/L	
HCC-07	WW_34	2003-11-10		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_34	2002-06-10		Phosphorus, Total	0.46	mg/L	
HCC-07	WW_34	2001-03-12		Phosphorus, Total	0.83	mg/L	
HCC-07	WW_34	2003-06-09		Phosphorus, Total	0.8	mg/L	
HCC-07	WW_34	2003-03-10		Phosphorus, Total	2.23	mg/L	
HCC-07	WW_34	2002-02-11		Phosphorus, Total	0.44	mg/L	
HCC-07	WW_34	2004-01-12		Phosphorus, Total	1.58	mg/L	
HCC-07	WW_34	2002-03-11		Phosphorus, Total	0.2	mg/L	
HCC-07	WW_34	2003-05-12		Phosphorus, Total	0.24	mg/L	
HCC-07	WW_34	2004-02-09		Phosphorus, Total	1.87	mg/L	
HCC-07	WW_34	2001-01-16		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_34	2004-03-08		Phosphorus, Total	0.19	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-12-08		Phosphorus, Total	0.87	mg/L	
HCC-07	WW_34	2003-04-14		Phosphorus, Total	0.44	mg/L	
HCC-07	WW_34	2002-04-08		Phosphorus, Total	0.81	mg/L	
HCC-07	WW_34	2001-08-13		Phosphorus, Total	0.88	mg/L	
HCC-07	WW_34	2001-10-08		Phosphorus, Total	0.7	mg/L	
HCC-07	WW_34	2001-07-09		Phosphorus, Total	0.62	mg/L	
HCC-07	WW_34	2001-02-13		Phosphorus, Total	0.31	mg/L	
HCC-07	WW_34	2003-09-08		Phosphorus, Total	2.06	mg/L	
HCC-07	WW_34	2001-04-09		Phosphorus, Total	0.58	mg/L	
HCC-07	WW_34	2002-11-12		Phosphorus, Total	1.86	mg/L	
HCC-07	WW_34	2004-05-10		Phosphorus, Total	1.26	mg/L	
HCC-07	WW_34	2001-05-14		Phosphorus, Total	0.35	mg/L	
HCC-07	WW_34	2002-08-12		Phosphorus, Total	2.57	mg/L	
HCC-07	WW_34	2003-07-14		Phosphorus, Total	0.67	mg/L	
HCC-07	WW_34	2001-09-10		Phosphorus, Total	0.81	mg/L	
HCC-07	WW_34	2001-12-10		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_34	2003-08-11		Phosphorus, Total	1.61	mg/L	
HCC-07	WW_34	2002-10-14		Phosphorus, Total	1.19	mg/L	
HCC-07	WW_34	2002-09-09		Phosphorus, Total	1.04	mg/L	
HCC-07	WW_34	2002-07-08		Phosphorus, Total	1.68	mg/L	
HCC-07	WW_34	2001-11-13		Phosphorus, Total	0.93	mg/L	
HCC-07	WW_34	2001-06-11		Phosphorus, Total	0.57	mg/L	
HCC-07	WW_34	2003-01-13		Phosphorus, Total	2.38	mg/L	
HCC-07	WW_34	2002-01-14		Phosphorus, Total	1.57	mg/L	
HCC-07	WW_34	2002-12-09		Phosphorus, Total	1.81	mg/L	
HCC-07	WW_34	2004-04-12		Phosphorus, Total	0.7	mg/L	
HCC-07	WW_34	2003-10-13		Phosphorus, Total	2.16	mg/L	
HCC-07	WW_96	2014-06-09		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_96	2012-03-12		Phosphorus, Total	0.34	mg/L	
HCC-07	WW_96	2010-12-13		Phosphorus, Total	0.72	mg/L	
HCC-07	WW_96	2014-04-14		Phosphorus, Total	0.35	mg/L	
HCC-07	WW_96	2014-03-10		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_96	2012-04-09		Phosphorus, Total	0.61	mg/L	
HCC-07	WW_96	2014-05-12		Phosphorus, Total	0.46	mg/L	
HCC-07	WW_96	2011-09-12		Phosphorus, Total	0.76	mg/L	
HCC-07	WW_96	2012-01-17		Phosphorus, Total	0.33	mg/L	
HCC-07	WW_96	2010-10-11		Phosphorus, Total	1.23	mg/L	
HCC-07	WW_96	2014-10-13		Phosphorus, Total	0.58	mg/L	
HCC-07	WW_96	2014-12-08		Phosphorus, Total	0.85	mg/L	
HCC-07	WW_96	2014-11-10		Phosphorus, Total	0.8	mg/L	
HCC-07	WW_96	2011-11-14		Phosphorus, Total	0.38	mg/L	
HCC-07	WW_96	2011-12-12		Phosphorus, Total	0.21	mg/L	
HCC-07	WW_96	2014-07-14		Phosphorus, Total	0.47	mg/L	
HCC-07	WW_96	2010-11-08		Phosphorus, Total	1.67	mg/L	
HCC-07	WW_96	2014-09-15		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2014-08-11		Phosphorus, Total	0.48	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2011-10-10		Phosphorus, Total	0.71	mg/L	
HCC-07	WW_96	2012-02-14		Phosphorus, Total	0.24	mg/L	
HCC-07	WW_96	2012-09-10		Phosphorus, Total	0.42	mg/L	
HCC-07	WW_96	2013-04-08		Phosphorus, Total	0.34	mg/L	
HCC-07	WW_96	2013-06-10		Phosphorus, Total	0.3	mg/L	
HCC-07	WW_96	2013-05-13		Phosphorus, Total	0.41	mg/L	
HCC-07	WW_96	2011-03-14		Phosphorus, Total	0.21	mg/L	
HCC-07	WW_96	2012-08-13		Phosphorus, Total	0.32	mg/L	
HCC-07	WW_96	2013-01-14		Phosphorus, Total	0.27	mg/L	
HCC-07	WW_96	2012-11-13		Phosphorus, Total	0.85	mg/L	
HCC-07	WW_96	2011-05-09		Phosphorus, Total	0.45	mg/L	
HCC-07	WW_96	2012-12-10		Phosphorus, Total	0.75	mg/L	
HCC-07	WW_96	2012-10-08		Phosphorus, Total	1.33	mg/L	
HCC-07	WW_96	2013-03-11		Phosphorus, Total	0.26	mg/L	
HCC-07	WW_96	2011-04-11		Phosphorus, Total	0.2	mg/L	
HCC-07	WW_96	2013-02-11		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_96	2013-12-09		Phosphorus, Total	0.82	mg/L	
HCC-07	WW_96	2011-01-10		Phosphorus, Total	0.74	mg/L	
HCC-07	WW_96	2012-05-14		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_96	2013-11-12		Phosphorus, Total	0.34	mg/L	
HCC-07	WW_96	2011-07-11		Phosphorus, Total	1.15	mg/L	
HCC-07	WW_96	2011-08-08		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_96	2014-01-13		Phosphorus, Total	0.34	mg/L	
HCC-07	WW_96	2013-08-12		Phosphorus, Total	0.68	mg/L	
HCC-07	WW_96	2013-07-15		Phosphorus, Total	0.79	mg/L	
HCC-07	WW_96	2012-07-16		Phosphorus, Total	0.76	mg/L	
HCC-07	WW_96	2011-06-13		Phosphorus, Total	0.23	mg/L	
HCC-07	WW_96	2013-10-14		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_96	2012-06-11		Phosphorus, Total	0.99	mg/L	
HCC-07	WW_96	2013-09-16		Phosphorus, Total	0.53	mg/L	
HCC-07	WW_96	2005-04-11		Phosphorus, Total	0.86	mg/L	
HCC-07	WW_96	2004-10-11		Phosphorus, Total	1.15	mg/L	
HCC-07	WW_96	2004-11-08		Phosphorus, Total	0.65	mg/L	
HCC-07	WW_96	2005-05-09		Phosphorus, Total	1.67	mg/L	
HCC-07	WW_96	2004-12-13		Phosphorus, Total	0.33	mg/L	
HCC-07	WW_96	2005-01-10		Phosphorus, Total	0.69	mg/L	
HCC-07	WW_96	2004-07-12		Phosphorus, Total	0.38	mg/L	
HCC-07	WW_96	2005-02-14		Phosphorus, Total	0.47	mg/L	
HCC-07	WW_96	2005-07-11		Phosphorus, Total	1.39	mg/L	
HCC-07	WW_96	2004-06-14		Phosphorus, Total	0.46	mg/L	
HCC-07	WW_96	2005-08-08		Phosphorus, Total	1.85	mg/L	
HCC-07	WW_96	2005-03-14		Phosphorus, Total	0.53	mg/L	
HCC-07	WW_96	2005-09-12		Phosphorus, Total	2.14	mg/L	
HCC-07	WW_96	2004-09-13		Phosphorus, Total	1.43	mg/L	
HCC-07	WW_96	2005-06-13		Phosphorus, Total	1.63	mg/L	
HCC-07	WW_96	2004-08-09		Phosphorus, Total	0.92	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2006-08-14		Phosphorus, Total	1.38	mg/L	
HCC-07	WW_96	2007-07-09		Phosphorus, Total	0.82	mg/L	
HCC-07	WW_96	2008-07-14		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_96	2005-10-10		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2010-03-08		Phosphorus, Total	0.45	mg/L	
HCC-07	WW_96	2006-01-09		Phosphorus, Total	0.68	mg/L	
HCC-07	WW_96	2010-09-13		Phosphorus, Total	0.73	mg/L	
HCC-07	WW_96	2007-03-12		Phosphorus, Total	0.2	mg/L	
HCC-07	WW_96	2010-04-12		Phosphorus, Total	0.22	mg/L	
HCC-07	WW_96	2008-10-13		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2005-11-14		Phosphorus, Total	0.97	mg/L	
HCC-07	WW_96	2007-04-09		Phosphorus, Total	0.48	mg/L	
HCC-07	WW_96	2007-06-11		Phosphorus, Total	0.82	mg/L	
HCC-07	WW_96	2006-10-09		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_96	2006-09-11		Phosphorus, Total	0.78	mg/L	
HCC-07	WW_96	2008-08-11		Phosphorus, Total	0.91	mg/L	
HCC-07	WW_96	2010-07-12		Phosphorus, Total	0.63	mg/L	
HCC-07	WW_96	2008-05-12		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_96	2010-05-10		Phosphorus, Total	0.33	mg/L	
HCC-07	WW_96	2010-06-14		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_96	2010-08-09		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2008-09-08		Phosphorus, Total	0.42	mg/L	
HCC-07	WW_96	2007-05-14		Phosphorus, Total	0.88	mg/L	
HCC-07	WW_96	2008-06-09		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_96	2009-07-13		Phosphorus, Total	0.84	mg/L	
HCC-07	WW_96	2008-02-11		Phosphorus, Total	0.41	mg/L	
HCC-07	WW_96	2006-06-12		Phosphorus, Total	0.87	mg/L	
HCC-07	WW_96	2006-04-10		Phosphorus, Total	0.48	mg/L	
HCC-07	WW_96	2007-11-13		Phosphorus, Total	1.85	mg/L	
HCC-07	WW_96	2009-03-09		Phosphorus, Total	0	mg/L	
HCC-07	WW_96	2009-08-10		Phosphorus, Total	1.08	mg/L	
HCC-07	WW_96	2009-02-09		Phosphorus, Total	0.3	mg/L	
HCC-07	WW_96	2007-01-08		Phosphorus, Total	0.39	mg/L	
HCC-07	WW_96	2007-10-08		Phosphorus, Total	1.19	mg/L	
HCC-07	WW_96	2009-05-11		Phosphorus, Total	0.37	mg/L	
HCC-07	WW_96	2009-04-13		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_96	2006-05-08		Phosphorus, Total	0.93	mg/L	
HCC-07	WW_96	2006-12-11		Phosphorus, Total	0.63	mg/L	
HCC-07	WW_96	2008-01-14		Phosphorus, Total	0.3	mg/L	
HCC-07	WW_96	2009-06-08		Phosphorus, Total	0.65	mg/L	
HCC-07	WW_96	2007-12-10		Phosphorus, Total	1.17	mg/L	
HCC-07	WW_96	2009-12-14		Phosphorus, Total	0.36	mg/L	
HCC-07	WW_96	2006-02-14		Phosphorus, Total	0.62	mg/L	
HCC-07	WW_96	2008-12-08		Phosphorus, Total	0.91	mg/L	
HCC-07	WW_96	2006-11-13		Phosphorus, Total	0.34	mg/L	
HCC-07	WW_96	2006-07-10		Phosphorus, Total	1.39	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2008-04-14		Phosphorus, Total	0	mg/L	
HCC-07	WW_96	2010-02-08		Phosphorus, Total	0.64	mg/L	
HCC-07	WW_96	2008-11-10		Phosphorus, Total	0.92	mg/L	
HCC-07	WW_96	2007-08-13		Phosphorus, Total	0.47	mg/L	
HCC-07	WW_96	2006-03-13		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2009-09-14		Phosphorus, Total	0.92	mg/L	
HCC-07	WW_96	2009-11-09		Phosphorus, Total	0.47	mg/L	
HCC-07	WW_96	2009-10-12		Phosphorus, Total	0.56	mg/L	
HCC-07	WW_96	2009-01-12		Phosphorus, Total	0.55	mg/L	
HCC-07	WW_96	2008-03-10		Phosphorus, Total	0.25	mg/L	
HCC-07	WW_96	2007-09-10		Phosphorus, Total	0.62	mg/L	
HCC-07	WW_96	2002-10-14		Phosphorus, Total	1.04	mg/L	
HCC-07	WW_96	2003-08-11		Phosphorus, Total	1.46	mg/L	
HCC-07	WW_96	2001-02-13		Phosphorus, Total	1.08	mg/L	
HCC-07	WW_96	2001-01-16		Phosphorus, Total	1.1	mg/L	
HCC-07	WW_96	2003-05-12		Phosphorus, Total	0.32	mg/L	
HCC-07	WW_96	2002-09-09		Phosphorus, Total	0.8	mg/L	
HCC-07	WW_96	2002-12-09		Phosphorus, Total	2	mg/L	
HCC-07	WW_96	2003-01-13		Phosphorus, Total	1.98	mg/L	
HCC-07	WW_96	2003-04-14		Phosphorus, Total	0.38	mg/L	
HCC-07	WW_96	2003-06-09		Phosphorus, Total	0.77	mg/L	
HCC-07	WW_96	2003-07-14		Phosphorus, Total	0.61	mg/L	
HCC-07	WW_96	2002-11-12		Phosphorus, Total	1.75	mg/L	
HCC-07	WW_96	2001-04-09		Phosphorus, Total	0.68	mg/L	
HCC-07	WW_96	2001-03-12		Phosphorus, Total	0.85	mg/L	
HCC-07	WW_96	2002-02-11		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2002-01-14		Phosphorus, Total	1.46	mg/L	
HCC-07	WW_96	2004-03-08		Phosphorus, Total	0.21	mg/L	
HCC-07	WW_96	2002-03-11		Phosphorus, Total	0.32	mg/L	
HCC-07	WW_96	2001-08-13		Phosphorus, Total	0.64	mg/L	
HCC-07	WW_96	2001-11-13		Phosphorus, Total	0.72	mg/L	
HCC-07	WW_96	2004-04-12		Phosphorus, Total	0.62	mg/L	
HCC-07	WW_96	2004-05-10		Phosphorus, Total	1.19	mg/L	
HCC-07	WW_96	2001-10-08		Phosphorus, Total	0.58	mg/L	
HCC-07	WW_96	2001-09-10		Phosphorus, Total	0.5	mg/L	
HCC-07	WW_96	2001-12-10		Phosphorus, Total	0.88	mg/L	
HCC-07	WW_96	2002-07-08		Phosphorus, Total	1.2	mg/L	
HCC-07	WW_96	2003-10-13		Phosphorus, Total	1.68	mg/L	
HCC-07	WW_96	2001-06-11		Phosphorus, Total	0.52	mg/L	
HCC-07	WW_96	2001-05-14		Phosphorus, Total	0.35	mg/L	
HCC-07	WW_96	2003-09-08		Phosphorus, Total	1.57	mg/L	
HCC-07	WW_96	2002-08-12		Phosphorus, Total	1.98	mg/L	
HCC-07	WW_96	2001-07-09		Phosphorus, Total	0.71	mg/L	
HCC-07	WW_96	2002-04-08		Phosphorus, Total	0.66	mg/L	
HCC-07	WW_96	2002-06-10		Phosphorus, Total	0.44	mg/L	
HCC-07	WW_96	2003-12-08		Phosphorus, Total	0.81	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-01-12		Phosphorus, Total	1.4	mg/L	
HCC-07	WW_96	2003-11-10		Phosphorus, Total	0.44	mg/L	
HCC-07	WW_96	2002-05-13		Phosphorus, Total	0.29	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Phosphorus, Total	1.8	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Phosphorus, Total	3.8	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Phosphorus, Total	2	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Phosphorus, Total	1.54	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Phosphorus, Total	0.678	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Phosphorus, Total	1.08	mg/L	
HCCB-05	HCCB-13	2011-08-29	15:33	Phosphorus, Total	1.73	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Phosphorus, Total	0.457	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Phosphorus, Total	0.827	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Phosphorus, Total	2.11	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Phosphorus, Total	1.09	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Phosphorus, Total	1.27	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Phosphorus, Total	2.37	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Phosphorus, Total	2.06	mg/L	
HCCB-05	WW_106	2012-03-12		Phosphorus, Total	0.4	mg/L	
HCCB-05	WW_106	2011-11-14		Phosphorus, Total	1.09	mg/L	
HCCB-05	WW_106	2011-12-12		Phosphorus, Total	1.52	mg/L	
HCCB-05	WW_106	2012-02-14		Phosphorus, Total	1.43	mg/L	
HCCB-05	WW_106	2010-11-08		Phosphorus, Total	3.03	mg/L	
HCCB-05	WW_106	2010-10-11		Phosphorus, Total	2.77	mg/L	
HCCB-05	WW_106	2010-12-13		Phosphorus, Total	0.81	mg/L	
HCCB-05	WW_106	2012-01-17		Phosphorus, Total	0.66	mg/L	
HCCB-05	WW_106	2011-03-14		Phosphorus, Total	0.62	mg/L	
HCCB-05	WW_106	2011-07-11		Phosphorus, Total	2.72	mg/L	
HCCB-05	WW_106	2012-07-16		Phosphorus, Total	1.88	mg/L	
HCCB-05	WW_106	2011-04-11		Phosphorus, Total	0.4	mg/L	
HCCB-05	WW_106	2011-05-09		Phosphorus, Total	1.38	mg/L	
HCCB-05	WW_106	2011-06-13		Phosphorus, Total	0.68	mg/L	
HCCB-05	WW_106	2011-02-14		Phosphorus, Total	1.17	mg/L	
HCCB-05	WW_106	2011-08-08		Phosphorus, Total	0.34	mg/L	
HCCB-05	WW_106	2011-01-10		Phosphorus, Total	2.4	mg/L	
HCCB-05	WW_106	2012-05-14		Phosphorus, Total	1.36	mg/L	
HCCB-05	WW_106	2001-05-14		Phosphorus, Total	0.96	mg/L	
HCCB-05	WW_106	2005-02-14		Phosphorus, Total	0.33	mg/L	
HCCB-05	WW_106	2004-03-08		Phosphorus, Total	0.44	mg/L	
HCCB-05	WW_106	2004-10-11		Phosphorus, Total	2.49	mg/L	
HCCB-05	WW_106	2005-08-08		Phosphorus, Total	3.58	mg/L	
HCCB-05	WW_106	2003-05-12		Phosphorus, Total	0.41	mg/L	
HCCB-05	WW_106	2004-05-10		Phosphorus, Total	2.69	mg/L	
HCCB-05	WW_106	2001-03-12		Phosphorus, Total	1.41	mg/L	
HCCB-05	WW_106	2001-04-09		Phosphorus, Total	0.63	mg/L	
HCCB-05	WW_106	2004-06-14		Phosphorus, Total	0.93	mg/L	
HCCB-05	WW_106	2002-02-11		Phosphorus, Total	0.52	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2004-04-12		Phosphorus, Total	2.89	mg/L	
HCCB-05	WW_106	2003-07-14		Phosphorus, Total	0.66	mg/L	
HCCB-05	WW_106	2004-11-08		Phosphorus, Total	2.43	mg/L	
HCCB-05	WW_106	2003-10-13		Phosphorus, Total	3.79	mg/L	
HCCB-05	WW_106	2002-03-11		Phosphorus, Total	0.47	mg/L	
HCCB-05	WW_106	2004-02-09		Phosphorus, Total	2.75	mg/L	
HCCB-05	WW_106	2001-06-11		Phosphorus, Total	1.44	mg/L	
HCCB-05	WW_106	2002-08-12		Phosphorus, Total	3.47	mg/L	
HCCB-05	WW_106	2002-06-10		Phosphorus, Total	0.1	mg/L	
HCCB-05	WW_106	2002-04-08		Phosphorus, Total	0.84	mg/L	
HCCB-05	WW_106	2002-05-13		Phosphorus, Total	0.38	mg/L	
HCCB-05	WW_106	2001-09-10		Phosphorus, Total	1.07	mg/L	
HCCB-05	WW_106	2004-01-12		Phosphorus, Total	2.34	mg/L	
HCCB-05	WW_106	2005-03-14		Phosphorus, Total	1.2	mg/L	
HCCB-05	WW_106	2008-05-12		Phosphorus, Total	0.58	mg/L	
HCCB-05	WW_106	2006-01-09		Phosphorus, Total	2.04	mg/L	
HCCB-05	WW_106	2010-03-08		Phosphorus, Total	0.63	mg/L	
HCCB-05	WW_106	2009-05-11		Phosphorus, Total	1.08	mg/L	
HCCB-05	WW_106	2008-04-14		Phosphorus, Total	0.42	mg/L	
HCCB-05	WW_106	2008-11-10		Phosphorus, Total	2.76	mg/L	
HCCB-05	WW_106	2010-09-13		Phosphorus, Total	1.58	mg/L	
HCCB-05	WW_106	2009-12-14		Phosphorus, Total	0.75	mg/L	
HCCB-05	WW_106	2009-11-09		Phosphorus, Total	2	mg/L	
HCCB-05	WW_106	2009-06-08		Phosphorus, Total	0.43	mg/L	
HCCB-05	WW_106	2010-08-09		Phosphorus, Total	0.36	mg/L	
HCCB-05	WW_106	2007-12-10		Phosphorus, Total	2.17	mg/L	
HCCB-05	WW_106	2009-08-10		Phosphorus, Total	2.22	mg/L	
HCCB-05	WW_106	2008-09-08		Phosphorus, Total	0.87	mg/L	
HCCB-05	WW_106	2008-03-10		Phosphorus, Total	0.59	mg/L	
HCCB-05	WW_106	2010-02-08		Phosphorus, Total	1.63	mg/L	
HCCB-05	WW_106	2007-01-08		Phosphorus, Total	0.86	mg/L	
HCCB-05	WW_106	2009-03-09		Phosphorus, Total	0	mg/L	
HCCB-05	WW_106	2008-07-14		Phosphorus, Total	0	mg/L	
HCCB-05	WW_106	2007-03-12		Phosphorus, Total	0.28	mg/L	
HCCB-05	WW_106	2006-12-11		Phosphorus, Total	0.74	mg/L	
HCCB-05	WW_106	2009-09-14		Phosphorus, Total	2.97	mg/L	
HCCB-05	WW_106	2010-07-12		Phosphorus, Total	0.93	mg/L	
HCCB-05	WW_106	2008-08-11		Phosphorus, Total	2.88	mg/L	
HCCB-05	WW_106	2009-02-09		Phosphorus, Total	0.34	mg/L	
HCCB-05	WW_106	2005-11-14		Phosphorus, Total	0.92	mg/L	
HCCB-05	WW_106	2009-01-12		Phosphorus, Total	1.22	mg/L	
HCCB-05	WW_106	2008-01-14		Phosphorus, Total	0.76	mg/L	
HCCB-05	WW_106	2008-10-13		Phosphorus, Total	1.76	mg/L	
HCCB-05	WW_106	2006-09-11		Phosphorus, Total	0.67	mg/L	
HCCB-05	WW_106	2008-06-09		Phosphorus, Total	0.43	mg/L	
HCCB-05	WW_106	2008-12-08		Phosphorus, Total	2.13	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-04-13		Phosphorus, Total	1.35	mg/L	
HCCB-05	WW_106	2010-04-12		Phosphorus, Total	0.9	mg/L	
HCCB-05	WW_106	2006-10-09		Phosphorus, Total	0.86	mg/L	
HCCB-05	WW_106	2007-08-13		Phosphorus, Total	0.84	mg/L	
HCCB-05	WW_106	2010-05-10		Phosphorus, Total	1.02	mg/L	
HCCB-05	WW_106	2006-03-13		Phosphorus, Total	0.51	mg/L	
HCCB-05	WW_106	2009-10-12		Phosphorus, Total	1.5	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Phosphorus, Total	0.1	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Phosphorus, Total	0.266	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Phosphorus, Total	0.12	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Phosphorus, Total	0.3	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Phosphorus, Total	0.11	mg/L	
HCCC-02	HCCC-02	2012-01-26	9:00	Phosphorus, Total	0.05	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Phosphorus, Total	0.22	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Phosphorus, Total	0.12	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Phosphorus, Total	0.414	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Phosphorus, Total	0.181	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Phosphorus, Total	0.143	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Phosphorus, Total	0.076	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Phosphorus, Total	0.258	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Phosphorus, Total	0.086	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Phosphorus, Total	0.242	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Phosphorus, Total	0.1	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Phosphorus, Total	0.094	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Phosphorus, Total	0.219	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Phosphorus, Total	0.197	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Phosphorus, Total	0.07	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Phosphorus, Total	0.213	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Phosphorus, Total	0.05	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Phosphorus, Total	0.108	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Phosphorus, Total	0.13	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Phosphorus, Total	0.167	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Phosphorus, Total	0.11	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Phosphorus, Total	0.036	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Phosphorus, Total	0.17	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Phosphorus, Total	0.082	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Phosphorus, Total	0.04	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Phosphorus, Total	0.135	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Phosphorus, Total	0.177	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Phosphorus, Total	0.115	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Phosphorus, Total	0.099	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Phosphorus, Total	0.1	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Phosphorus, Total	0.197	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Phosphorus, Total	0.07	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Phosphorus, Total	0.317	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Phosphorus, Total	0.15	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2003-06-04	11:30	Phosphorus, Total	0.09	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Phosphorus, Total	0.12	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Phosphorus, Total	0.24	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Phosphorus, Total	0.17	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Phosphorus, Total	0.339	mg/L	
HCCC-02	HCCC-02	2005-04-05	11:45	Phosphorus, Total	0.045	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Phosphorus, Total	0.057	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Phosphorus, Total	0.404	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Phosphorus, Total	0.097	mg/L	
HCCC-02	HCCC-02	1999-03-05	9:45	Phosphorus, Total	0.15	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Phosphorus, Total	0.19	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Phosphorus, Total	0.066	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Phosphorus, Total	0.1	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Phosphorus, Total	0.13	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Phosphorus, Total	0.36	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Phosphorus, Total	0.74	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Phosphorus, Total	0.141	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Phosphorus, Total	0.053	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Phosphorus, Total	0.067	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Phosphorus, Total	0.124	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Phosphorus, Total	0.135	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Phosphorus, Total	0.029	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Phosphorus, Total	0.058	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Phosphorus, Total	0.048	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Phosphorus, Total	0.163	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Phosphorus, Total	0.237	mg/L	
HCCC-02	HCCC-02	2007-06-07	9:20	Phosphorus, Total	0.143	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Phosphorus, Total	0.23	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Phosphorus, Total	0.038	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Phosphorus, Total	0.089	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Phosphorus, Total	0.073	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Phosphorus, Total	0.234	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Phosphorus, Total	0.136	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Phosphorus, Total	0.223	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Phosphorus, Total	0.133	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Phosphorus, Total	0.153	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Phosphorus, Total	0.13	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Phosphorus, Total	0.073	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Phosphorus, Total	0.215	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Phosphorus, Total	0.18	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Phosphorus, Total	0.085	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Phosphorus, Total	0.201	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Phosphorus, Total	0.081	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Phosphorus, Total	0.112	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Phosphorus, Total	0.109	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Phosphorus, Total	0.201	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2009-06-29	9:00	Phosphorus, Total	0.194	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Phosphorus, Total	0.136	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Phosphorus, Total	0.173	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Phosphorus, Total	0.134	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Phosphorus, Total	0.177	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Phosphorus, Total	0.103	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Phosphorus, Total	0.058	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Phosphorus, Total	0.045	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Phosphorus, Total	0.164	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Phosphorus, Total	0.117	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Phosphorus, Total	0.064	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Phosphorus, Total	0.077	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Phosphorus, Total	0.15	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Phosphorus, Total	0.08	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Phosphorus, Total	0.31	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Phosphorus, Total	0.05	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Phosphorus, Total	0.1	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Phosphorus, Total	0.07	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Phosphorus, Total	0.16	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Phosphorus, Total	0.06	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Phosphorus, Total	0.11	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Phosphorus, Total	0.2	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Phosphorus, Total	0.136	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Phosphorus, Total	0.15	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Phosphorus, Total	0.178	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Phosphorus, Total	0.126	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Phosphorus, Total	0.15	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Phosphorus, Total	0.182	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Phosphorus, Total	0.246	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Phosphorus, Total	0.088	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Phosphorus, Total	0.174	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Phosphorus, Total	0.111	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Phosphorus, Total	0.111	mg/L	
HCCC-02	HCCC-06	2011-06-29	8:15	Phosphorus, Total	0.117	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Phosphorus, Total	0.113	mg/L	1 ft
HCCC-02	HCCC-06	2011-08-29	16:50	Phosphorus, Total	0.122	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Phosphorus, Total	0.112	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Phosphorus, Total	0.121	mg/L	
HCCC-02	WW_31	2010-10-11		Phosphorus, Total	0.24	mg/L	
HCCC-02	WW_31	2011-04-11		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2010-11-08		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2011-03-14		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2011-10-10		Phosphorus, Total	0.18	mg/L	
HCCC-02	WW_31	2011-07-11		Phosphorus, Total	0.29	mg/L	
HCCC-02	WW_31	2011-05-09		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2011-11-14		Phosphorus, Total	0.13	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2011-06-13		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2011-08-08		Phosphorus, Total	0.2	mg/L	
HCCC-02	WW_31	2011-12-12		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2012-07-16		Phosphorus, Total	0.18	mg/L	
HCCC-02	WW_31	2012-04-09		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2012-03-12		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2012-05-14		Phosphorus, Total	0.11	mg/L	
HCCC-02	WW_31	2005-08-08		Phosphorus, Total	0.34	mg/L	
HCCC-02	WW_31	2005-07-11		Phosphorus, Total	0.26	mg/L	
HCCC-02	WW_31	2005-05-09		Phosphorus, Total	0.07	mg/L	
HCCC-02	WW_31	2005-06-13		Phosphorus, Total	0.56	mg/L	
HCCC-02	WW_31	2005-09-12		Phosphorus, Total	0.26	mg/L	
HCCC-02	WW_31	2004-12-13		Phosphorus, Total	0.1	mg/L	
HCCC-02	WW_31	2005-04-11		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2005-02-14		Phosphorus, Total	0.22	mg/L	
HCCC-02	WW_31	2005-03-14		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2004-11-08		Phosphorus, Total	0.11	mg/L	
HCCC-02	WW_31	2004-07-12		Phosphorus, Total	0.11	mg/L	
HCCC-02	WW_31	2004-09-13		Phosphorus, Total	0.28	mg/L	
HCCC-02	WW_31	2004-08-09		Phosphorus, Total	0.34	mg/L	
HCCC-02	WW_31	2004-06-14		Phosphorus, Total	0.07	mg/L	
HCCC-02	WW_31	2004-10-11		Phosphorus, Total	0.23	mg/L	
HCCC-02	WW_31	2009-11-09		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2006-12-11		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2009-10-12		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2005-10-10		Phosphorus, Total	0.18	mg/L	
HCCC-02	WW_31	2010-09-13		Phosphorus, Total	0.26	mg/L	
HCCC-02	WW_31	2008-01-14		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2007-05-14		Phosphorus, Total	0.13	mg/L	
HCCC-02	WW_31	2010-05-10		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2007-08-13		Phosphorus, Total	0.19	mg/L	
HCCC-02	WW_31	2010-04-12		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2007-09-10		Phosphorus, Total	0.16	mg/L	
HCCC-02	WW_31	2007-07-09		Phosphorus, Total	0.32	mg/L	
HCCC-02	WW_31	2005-11-14		Phosphorus, Total	0.13	mg/L	
HCCC-02	WW_31	2010-07-12		Phosphorus, Total	0.16	mg/L	
HCCC-02	WW_31	2007-03-12		Phosphorus, Total	0.13	mg/L	
HCCC-02	WW_31	2010-06-14		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2007-04-09		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2007-06-11		Phosphorus, Total	0.15	mg/L	
HCCC-02	WW_31	2007-01-08		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2009-12-14		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2007-11-13		Phosphorus, Total	0.24	mg/L	
HCCC-02	WW_31	2010-03-08		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2006-01-09		Phosphorus, Total	0.05	mg/L	
HCCC-02	WW_31	2007-10-08		Phosphorus, Total	0.35	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2010-08-09		Phosphorus, Total	0.21	mg/L	
HCCC-02	WW_31	2006-04-10		Phosphorus, Total	0.07	mg/L	
HCCC-02	WW_31	2006-11-13		Phosphorus, Total	0.1	mg/L	
HCCC-02	WW_31	2009-07-13		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2006-07-10		Phosphorus, Total	0.24	mg/L	
HCCC-02	WW_31	2008-09-08		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2006-05-08		Phosphorus, Total	0.09	mg/L	
HCCC-02	WW_31	2009-05-11		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2009-06-08		Phosphorus, Total	0.16	mg/L	
HCCC-02	WW_31	2008-08-11		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2008-07-14		Phosphorus, Total	1.03	mg/L	
HCCC-02	WW_31	2006-09-11		Phosphorus, Total	0.23	mg/L	
HCCC-02	WW_31	2008-04-14		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2009-03-09		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2008-05-12		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2006-06-12		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2006-10-09		Phosphorus, Total	0.12	mg/L	
HCCC-02	WW_31	2006-03-13		Phosphorus, Total	0.35	mg/L	
HCCC-02	WW_31	2006-08-14		Phosphorus, Total	0.21	mg/L	
HCCC-02	WW_31	2008-06-09		Phosphorus, Total	0.33	mg/L	
HCCC-02	WW_31	2008-10-13		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2009-09-14		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2009-04-13		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2009-08-10		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2008-11-10		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2008-03-10		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2002-06-10		Phosphorus, Total	0.1	mg/L	
HCCC-02	WW_31	2002-04-08		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2001-08-13		Phosphorus, Total	0.17	mg/L	
HCCC-02	WW_31	2001-03-12		Phosphorus, Total	0.12	mg/L	
HCCC-02	WW_31	2001-07-09		Phosphorus, Total	0.18	mg/L	
HCCC-02	WW_31	2002-05-13		Phosphorus, Total	0.16	mg/L	
HCCC-02	WW_31	2001-02-13		Phosphorus, Total	0.13	mg/L	
HCCC-02	WW_31	2003-04-14		Phosphorus, Total	0.09	mg/L	
HCCC-02	WW_31	2001-12-10		Phosphorus, Total	0.24	mg/L	
HCCC-02	WW_31	2001-11-13		Phosphorus, Total	0	mg/L	
HCCC-02	WW_31	2002-03-11		Phosphorus, Total	0.1	mg/L	
HCCC-02	WW_31	2002-02-11		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2001-09-10		Phosphorus, Total	0.09	mg/L	
HCCC-02	WW_31	2002-10-14		Phosphorus, Total	0.07	mg/L	
HCCC-02	WW_31	2002-09-09		Phosphorus, Total	0.09	mg/L	
HCCC-02	WW_31	2001-10-08		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2001-05-14		Phosphorus, Total	0.12	mg/L	
HCCC-02	WW_31	2002-07-08		Phosphorus, Total	0.42	mg/L	
HCCC-02	WW_31	2002-08-12		Phosphorus, Total	0.3	mg/L	
HCCC-02	WW_31	2001-04-09		Phosphorus, Total	0.09	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2002-11-12		Phosphorus, Total	0.23	mg/L	
HCCC-02	WW_31	2001-06-11		Phosphorus, Total	0.24	mg/L	
HCCC-02	WW_31	2003-11-10		Phosphorus, Total	0.06	mg/L	
HCCC-02	WW_31	2004-05-10		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2003-09-08		Phosphorus, Total	0.15	mg/L	
HCCC-02	WW_31	2003-06-09		Phosphorus, Total	0.06	mg/L	
HCCC-02	WW_31	2003-10-13		Phosphorus, Total	0.13	mg/L	
HCCC-02	WW_31	2004-04-12		Phosphorus, Total	0.07	mg/L	
HCCC-02	WW_31	2003-07-14		Phosphorus, Total	0.12	mg/L	
HCCC-02	WW_31	2003-12-08		Phosphorus, Total	0.08	mg/L	
HCCC-02	WW_31	2003-08-11		Phosphorus, Total	0.18	mg/L	
HCCC-02	WW_31	2003-05-12		Phosphorus, Total	0.14	mg/L	
HCCC-02	WW_31	2004-03-08		Phosphorus, Total	0.06	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Phosphorus, Total	1.09	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Phosphorus, Total	1.8	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Phosphorus, Total	1.6	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Phosphorus, Total	0.74	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Phosphorus, Total	1.33	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Phosphorus, Total	1.09	mg/L	
HCCC-04	HCCC-08	2011-08-18	10:45	Phosphorus, Total	0.293	mg/L	
HCCC-04	HCCC-08	2011-08-29	12:13	Phosphorus, Total	0.362	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Phosphorus, Total	0.903	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Phosphorus, Total	1.04	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Phosphorus, Total	1.12	mg/L	
HCCC-04	WW_103	2011-06-13		Phosphorus, Total	0.35	mg/L	
HCCC-04	WW_103	2011-11-14		Phosphorus, Total	0.45	mg/L	
HCCC-04	WW_103	2012-07-16		Phosphorus, Total	1.2	mg/L	
HCCC-04	WW_103	2011-12-12		Phosphorus, Total	0.55	mg/L	
HCCC-04	WW_103	2012-01-17		Phosphorus, Total	0.75	mg/L	
HCCC-04	WW_103	2011-05-09		Phosphorus, Total	0.61	mg/L	
HCCC-04	WW_103	2011-09-12		Phosphorus, Total	0.43	mg/L	
HCCC-04	WW_103	2011-08-08		Phosphorus, Total	0.33	mg/L	
HCCC-04	WW_103	2012-05-14		Phosphorus, Total	0.33	mg/L	
HCCC-04	WW_103	2012-04-09		Phosphorus, Total	0.41	mg/L	
HCCC-04	WW_103	2012-03-12		Phosphorus, Total	0.23	mg/L	
HCCC-04	WW_103	2011-10-10		Phosphorus, Total	0.58	mg/L	
HCCC-04	WW_103	2012-02-14		Phosphorus, Total	0.52	mg/L	
HCCC-04	WW_103	2011-07-11		Phosphorus, Total	0.78	mg/L	
HCCC-04	WW_103	2012-06-11		Phosphorus, Total	0.7	mg/L	
HCCC-04	WW_103	2011-04-11		Phosphorus, Total	0.24	mg/L	
HCCC-04	WW_103	2011-03-14		Phosphorus, Total	0.29	mg/L	
HCCC-04	WW_103	2010-10-11		Phosphorus, Total	0.56	mg/L	
HCCC-04	WW_103	2011-02-14		Phosphorus, Total	1.06	mg/L	
HCCC-04	WW_103	2010-11-08		Phosphorus, Total	1.42	mg/L	
HCCC-04	WW_103	2003-12-08		Phosphorus, Total	0.74	mg/L	
HCCC-04	WW_103	2001-08-13		Phosphorus, Total	0.49	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2004-08-09		Phosphorus, Total	0.52	mg/L	
HCCC-04	WW_103	2002-04-08		Phosphorus, Total	0.74	mg/L	
HCCC-04	WW_103	2002-06-10		Phosphorus, Total	0.43	mg/L	
HCCC-04	WW_103	2003-11-10		Phosphorus, Total	0.51	mg/L	
HCCC-04	WW_103	2004-09-13		Phosphorus, Total	0.74	mg/L	
HCCC-04	WW_103	2005-03-14		Phosphorus, Total	0.61	mg/L	
HCCC-04	WW_103	2002-07-08		Phosphorus, Total	0.85	mg/L	
HCCC-04	WW_103	2001-07-09		Phosphorus, Total	0.63	mg/L	
HCCC-04	WW_103	2002-05-13		Phosphorus, Total	0.2	mg/L	
HCCC-04	WW_103	2004-04-12		Phosphorus, Total	0.73	mg/L	
HCCC-04	WW_103	2002-01-14		Phosphorus, Total	1.46	mg/L	
HCCC-04	WW_103	2004-06-14		Phosphorus, Total	0.39	mg/L	
HCCC-04	WW_103	2001-10-08		Phosphorus, Total	0.4	mg/L	
HCCC-04	WW_103	2001-11-13		Phosphorus, Total	0.93	mg/L	
HCCC-04	WW_103	2004-05-10		Phosphorus, Total	0.73	mg/L	
HCCC-04	WW_103	2001-12-10		Phosphorus, Total	1.15	mg/L	
HCCC-04	WW_103	2002-03-11		Phosphorus, Total	0.26	mg/L	
HCCC-04	WW_103	2004-07-12		Phosphorus, Total	0.37	mg/L	
HCCC-04	WW_103	2005-07-11		Phosphorus, Total	1.22	mg/L	
HCCC-04	WW_103	2001-09-10		Phosphorus, Total	0.88	mg/L	
HCCC-04	WW_103	2005-01-10		Phosphorus, Total	0.65	mg/L	
HCCC-04	WW_103	2002-02-11		Phosphorus, Total	0.4	mg/L	
HCCC-04	WW_103	2005-02-14		Phosphorus, Total	0.31	mg/L	
HCCC-04	WW_103	2004-03-08		Phosphorus, Total	0.25	mg/L	
HCCC-04	WW_103	2002-11-12		Phosphorus, Total	1.69	mg/L	
HCCC-04	WW_103	2001-04-09		Phosphorus, Total	0.46	mg/L	
HCCC-04	WW_103	2003-07-14		Phosphorus, Total	0.71	mg/L	
HCCC-04	WW_103	2003-08-11		Phosphorus, Total	0.82	mg/L	
HCCC-04	WW_103	2002-10-14		Phosphorus, Total	0.94	mg/L	
HCCC-04	WW_103	2005-05-09		Phosphorus, Total	1.03	mg/L	
HCCC-04	WW_103	2001-03-12		Phosphorus, Total	0.79	mg/L	
HCCC-04	WW_103	2003-04-14		Phosphorus, Total	0.36	mg/L	
HCCC-04	WW_103	2003-05-12		Phosphorus, Total	0.3	mg/L	
HCCC-04	WW_103	2004-12-13		Phosphorus, Total	0.57	mg/L	
HCCC-04	WW_103	2004-11-08		Phosphorus, Total	0.51	mg/L	
HCCC-04	WW_103	2005-04-11		Phosphorus, Total	0.74	mg/L	
HCCC-04	WW_103	2003-06-09		Phosphorus, Total	0.57	mg/L	
HCCC-04	WW_103	2002-09-09		Phosphorus, Total	0.43	mg/L	
HCCC-04	WW_103	2001-05-14		Phosphorus, Total	0.41	mg/L	
HCCC-04	WW_103	2002-08-12		Phosphorus, Total	0.87	mg/L	
HCCC-04	WW_103	2005-06-13		Phosphorus, Total	1.14	mg/L	
HCCC-04	WW_103	2005-09-12		Phosphorus, Total	0.81	mg/L	
HCCC-04	WW_103	2004-10-11		Phosphorus, Total	0.69	mg/L	
HCCC-04	WW_103	2003-09-08		Phosphorus, Total	0.9	mg/L	
HCCC-04	WW_103	2001-06-11		Phosphorus, Total	0.49	mg/L	
HCCC-04	WW_103	2008-11-10		Phosphorus, Total	0.81	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2008-09-08		Phosphorus, Total	0.41	mg/L	
HCCC-04	WW_103	2006-05-08		Phosphorus, Total	0.63	mg/L	
HCCC-04	WW_103	2009-08-10		Phosphorus, Total	0.48	mg/L	
HCCC-04	WW_103	2006-08-14		Phosphorus, Total	0.53	mg/L	
HCCC-04	WW_103	2006-10-09		Phosphorus, Total	0.47	mg/L	
HCCC-04	WW_103	2009-04-13		Phosphorus, Total	0.42	mg/L	
HCCC-04	WW_103	2008-06-09		Phosphorus, Total	0.32	mg/L	
HCCC-04	WW_103	2008-03-10		Phosphorus, Total	0.36	mg/L	
HCCC-04	WW_103	2006-06-12		Phosphorus, Total	0.55	mg/L	
HCCC-04	WW_103	2009-03-09		Phosphorus, Total	0	mg/L	
HCCC-04	WW_103	2008-08-11		Phosphorus, Total	0.43	mg/L	
HCCC-04	WW_103	2006-09-11		Phosphorus, Total	0.75	mg/L	
HCCC-04	WW_103	2008-07-14		Phosphorus, Total	0.52	mg/L	
HCCC-04	WW_103	2008-04-14		Phosphorus, Total	0.25	mg/L	
HCCC-04	WW_103	2009-02-09		Phosphorus, Total	0.31	mg/L	
HCCC-04	WW_103	2009-06-08		Phosphorus, Total	0.3	mg/L	
HCCC-04	WW_103	2009-05-11		Phosphorus, Total	0.36	mg/L	
HCCC-04	WW_103	2009-07-13		Phosphorus, Total	0.45	mg/L	
HCCC-04	WW_103	2006-11-13		Phosphorus, Total	0.27	mg/L	
HCCC-04	WW_103	2008-05-12		Phosphorus, Total	0.34	mg/L	
HCCC-04	WW_103	2006-07-10		Phosphorus, Total	0.54	mg/L	
HCCC-04	WW_103	2006-04-10		Phosphorus, Total	0.49	mg/L	
HCCC-04	WW_103	2010-02-08		Phosphorus, Total	0.68	mg/L	
HCCC-04	WW_103	2007-01-08		Phosphorus, Total	0.37	mg/L	
HCCC-04	WW_103	2007-12-10		Phosphorus, Total	0.88	mg/L	
HCCC-04	WW_103	2005-11-14		Phosphorus, Total	0.89	mg/L	
HCCC-04	WW_103	2010-07-12		Phosphorus, Total	0.45	mg/L	
HCCC-04	WW_103	2009-11-09		Phosphorus, Total	0.54	mg/L	
HCCC-04	WW_103	2007-10-08		Phosphorus, Total	0.62	mg/L	
HCCC-04	WW_103	2007-06-11		Phosphorus, Total	0.54	mg/L	
HCCC-04	WW_103	2007-03-12		Phosphorus, Total	0.21	mg/L	
HCCC-04	WW_103	2009-12-14		Phosphorus, Total	0.5	mg/L	
HCCC-04	WW_103	2007-11-13		Phosphorus, Total	1.91	mg/L	
HCCC-04	WW_103	2010-06-14		Phosphorus, Total	0.33	mg/L	
HCCC-04	WW_103	2006-02-14		Phosphorus, Total	0.97	mg/L	
HCCC-04	WW_103	2007-07-09		Phosphorus, Total	0.74	mg/L	
HCCC-04	WW_103	2010-05-10		Phosphorus, Total	0.32	mg/L	
HCCC-04	WW_103	2007-08-13		Phosphorus, Total	0.5	mg/L	
HCCC-04	WW_103	2009-09-14		Phosphorus, Total	0.55	mg/L	
HCCC-04	WW_103	2010-03-08		Phosphorus, Total	0.39	mg/L	
HCCC-04	WW_103	2006-03-13		Phosphorus, Total	0.47	mg/L	
HCCC-04	WW_103	2005-10-10		Phosphorus, Total	0.94	mg/L	
HCCC-04	WW_103	2007-05-14		Phosphorus, Total	0.58	mg/L	
HCCC-04	WW_103	2007-04-09		Phosphorus, Total	0.6	mg/L	
HCCC-04	WW_103	2006-01-09		Phosphorus, Total	0.71	mg/L	
HCCC-04	WW_103	2010-09-13		Phosphorus, Total	0.4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2007-09-10		Phosphorus, Total	0.41	mg/L	
HCCC-04	WW_103	2008-10-13		Phosphorus, Total	0.39	mg/L	
HCCC-04	WW_103	2008-01-14		Phosphorus, Total	0.39	mg/L	
HCCC-04	WW_103	2010-08-09		Phosphorus, Total	0.42	mg/L	
HCCC-04	WW_103	2009-10-12		Phosphorus, Total	0.46	mg/L	
HCCC-04	WW_103	2010-04-12		Phosphorus, Total	0.26	mg/L	
HCCC-04	WW_103	2006-12-11		Phosphorus, Total	0.48	mg/L	
HCCC-04	WW_104	2011-07-11		Phosphorus, Total	0.82	mg/L	
HCCC-04	WW_104	2012-06-11		Phosphorus, Total	1.77	mg/L	
HCCC-04	WW_104	2012-07-16		Phosphorus, Total	1.19	mg/L	
HCCC-04	WW_104	2011-06-13		Phosphorus, Total	0.35	mg/L	
HCCC-04	WW_104	2010-11-08		Phosphorus, Total	1.91	mg/L	
HCCC-04	WW_104	2011-03-14		Phosphorus, Total	0.28	mg/L	
HCCC-04	WW_104	2012-02-14		Phosphorus, Total	0.28	mg/L	
HCCC-04	WW_104	2011-10-10		Phosphorus, Total	1.05	mg/L	
HCCC-04	WW_104	2011-08-08		Phosphorus, Total	0.3	mg/L	
HCCC-04	WW_104	2010-12-13		Phosphorus, Total	0.54	mg/L	
HCCC-04	WW_104	2012-04-09		Phosphorus, Total	0.67	mg/L	
HCCC-04	WW_104	2011-01-10		Phosphorus, Total	0.78	mg/L	
HCCC-04	WW_104	2012-03-12		Phosphorus, Total	0.39	mg/L	
HCCC-04	WW_104	2011-09-12		Phosphorus, Total	1.69	mg/L	
HCCC-04	WW_104	2011-02-14		Phosphorus, Total	1.76	mg/L	
HCCC-04	WW_104	2012-05-14		Phosphorus, Total	0.61	mg/L	
HCCC-04	WW_104	2011-12-12		Phosphorus, Total	0.21	mg/L	
HCCC-04	WW_104	2012-01-17		Phosphorus, Total	0.26	mg/L	
HCCC-04	WW_104	2011-04-11		Phosphorus, Total	0.23	mg/L	
HCCC-04	WW_104	2011-05-09		Phosphorus, Total	0.57	mg/L	
HCCC-04	WW_104	2010-10-11		Phosphorus, Total	1.77	mg/L	
HCCC-04	WW_104	2011-11-14		Phosphorus, Total	0.5	mg/L	
HCCC-04	WW_104	2004-04-12		Phosphorus, Total	0.92	mg/L	
HCCC-04	WW_104	2002-01-14		Phosphorus, Total	1.68	mg/L	
HCCC-04	WW_104	2001-12-10		Phosphorus, Total	1.24	mg/L	
HCCC-04	WW_104	2003-05-12		Phosphorus, Total	0.23	mg/L	
HCCC-04	WW_104	2004-05-10		Phosphorus, Total	1.11	mg/L	
HCCC-04	WW_104	2005-03-14		Phosphorus, Total	0.6	mg/L	
HCCC-04	WW_104	2003-04-14		Phosphorus, Total	0.44	mg/L	
HCCC-04	WW_104	2005-04-11		Phosphorus, Total	1.56	mg/L	
HCCC-04	WW_104	2002-08-12		Phosphorus, Total	2.83	mg/L	
HCCC-04	WW_104	2005-06-13		Phosphorus, Total	1.88	mg/L	
HCCC-04	WW_104	2002-02-11		Phosphorus, Total	0.6	mg/L	
HCCC-04	WW_104	2002-03-11		Phosphorus, Total	0.28	mg/L	
HCCC-04	WW_104	2005-07-11		Phosphorus, Total	1.64	mg/L	
HCCC-04	WW_104	2002-04-08		Phosphorus, Total	0.7	mg/L	
HCCC-04	WW_104	2004-01-12		Phosphorus, Total	1.69	mg/L	
HCCC-04	WW_104	2002-10-14		Phosphorus, Total	1.52	mg/L	
HCCC-04	WW_104	2003-08-11		Phosphorus, Total	2.43	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-02-14		Phosphorus, Total	0.27	mg/L	
HCCC-04	WW_104	2002-09-09		Phosphorus, Total	1.43	mg/L	
HCCC-04	WW_104	2004-03-08		Phosphorus, Total	0.18	mg/L	
HCCC-04	WW_104	2004-02-09		Phosphorus, Total	1.61	mg/L	
HCCC-04	WW_104	2005-05-09		Phosphorus, Total	1.74	mg/L	
HCCC-04	WW_104	2002-05-13		Phosphorus, Total	0.21	mg/L	
HCCC-04	WW_104	2002-11-12		Phosphorus, Total	2.05	mg/L	
HCCC-04	WW_104	2004-06-14		Phosphorus, Total	0.29	mg/L	
HCCC-04	WW_104	2001-10-08		Phosphorus, Total	0.96	mg/L	
HCCC-04	WW_104	2004-11-08		Phosphorus, Total	0.85	mg/L	
HCCC-04	WW_104	2005-08-08		Phosphorus, Total	2.76	mg/L	
HCCC-04	WW_104	2001-08-13		Phosphorus, Total	1.06	mg/L	
HCCC-04	WW_104	2005-01-10		Phosphorus, Total	0.76	mg/L	
HCCC-04	WW_104	2001-06-11		Phosphorus, Total	0.7	mg/L	
HCCC-04	WW_104	2005-09-12		Phosphorus, Total	2.99	mg/L	
HCCC-04	WW_104	2004-09-13		Phosphorus, Total	2.51	mg/L	
HCCC-04	WW_104	2001-04-09		Phosphorus, Total	0.58	mg/L	
HCCC-04	WW_104	2004-12-13		Phosphorus, Total	0.41	mg/L	
HCCC-04	WW_104	2004-08-09		Phosphorus, Total	1.31	mg/L	
HCCC-04	WW_104	2001-03-12		Phosphorus, Total	0.88	mg/L	
HCCC-04	WW_104	2001-11-13		Phosphorus, Total	1.05	mg/L	
HCCC-04	WW_104	2001-07-09		Phosphorus, Total	0.48	mg/L	
HCCC-04	WW_104	2004-10-11		Phosphorus, Total	0.96	mg/L	
HCCC-04	WW_104	2001-09-10		Phosphorus, Total	1.15	mg/L	
HCCC-04	WW_104	2001-05-14		Phosphorus, Total	0.34	mg/L	
HCCC-04	WW_104	2004-07-12		Phosphorus, Total	0.33	mg/L	
HCCC-04	WW_104	2009-02-09		Phosphorus, Total	0	mg/L	
HCCC-04	WW_104	2006-06-12		Phosphorus, Total	1.05	mg/L	
HCCC-04	WW_104	2010-05-10		Phosphorus, Total	0.46	mg/L	
HCCC-04	WW_104	2010-04-12		Phosphorus, Total	0.3	mg/L	
HCCC-04	WW_104	2005-12-12		Phosphorus, Total	1.54	mg/L	
HCCC-04	WW_104	2007-09-10		Phosphorus, Total	0.86	mg/L	
HCCC-04	WW_104	2008-07-14		Phosphorus, Total	0.48	mg/L	
HCCC-04	WW_104	2007-08-13		Phosphorus, Total	0.45	mg/L	
HCCC-04	WW_104	2009-03-09		Phosphorus, Total	0	mg/L	
HCCC-04	WW_104	2008-11-10		Phosphorus, Total	1.33	mg/L	
HCCC-04	WW_104	2007-04-09		Phosphorus, Total	0.5	mg/L	
HCCC-04	WW_104	2008-09-08		Phosphorus, Total	0.53	mg/L	
HCCC-04	WW_104	2010-08-09		Phosphorus, Total	0.62	mg/L	
HCCC-04	WW_104	2008-10-13		Phosphorus, Total	0.95	mg/L	
HCCC-04	WW_104	2006-08-14		Phosphorus, Total	2.47	mg/L	
HCCC-04	WW_104	2005-10-10		Phosphorus, Total	0.27	mg/L	
HCCC-04	WW_104	2007-05-14		Phosphorus, Total	1.12	mg/L	
HCCC-04	WW_104	2010-09-13		Phosphorus, Total	0.97	mg/L	
HCCC-04	WW_104	2008-08-11		Phosphorus, Total	1.72	mg/L	
HCCC-04	WW_104	2006-09-11		Phosphorus, Total	0.6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2007-07-09		Phosphorus, Total	1.49	mg/L	
HCCC-04	WW_104	2009-01-12		Phosphorus, Total	0.58	mg/L	
HCCC-04	WW_104	2007-03-12		Phosphorus, Total	0.19	mg/L	
HCCC-04	WW_104	2008-12-08		Phosphorus, Total	1.09	mg/L	
HCCC-04	WW_104	2007-06-11		Phosphorus, Total	0.98	mg/L	
HCCC-04	WW_104	2005-11-14		Phosphorus, Total	0.94	mg/L	
HCCC-04	WW_104	2006-07-10		Phosphorus, Total	1.84	mg/L	
HCCC-04	WW_104	2007-12-10		Phosphorus, Total	1.23	mg/L	
HCCC-04	WW_104	2006-04-10		Phosphorus, Total	0.6	mg/L	
HCCC-04	WW_104	2009-11-09		Phosphorus, Total	0.64	mg/L	
HCCC-04	WW_104	2008-04-14		Phosphorus, Total	0	mg/L	
HCCC-04	WW_104	2009-06-08		Phosphorus, Total	0.66	mg/L	
HCCC-04	WW_104	2008-05-12		Phosphorus, Total	0.5	mg/L	
HCCC-04	WW_104	2007-11-13		Phosphorus, Total	2.32	mg/L	
HCCC-04	WW_104	2009-12-14		Phosphorus, Total	0.44	mg/L	
HCCC-04	WW_104	2006-02-14		Phosphorus, Total	0.59	mg/L	
HCCC-04	WW_104	2006-03-13		Phosphorus, Total	0.63	mg/L	
HCCC-04	WW_104	2008-03-10		Phosphorus, Total	0	mg/L	
HCCC-04	WW_104	2009-09-14		Phosphorus, Total	1.49	mg/L	
HCCC-04	WW_104	2009-08-10		Phosphorus, Total	1.23	mg/L	
HCCC-04	WW_104	2008-02-11		Phosphorus, Total	0.44	mg/L	
HCCC-04	WW_104	2009-07-13		Phosphorus, Total	1.11	mg/L	
HCCC-04	WW_104	2006-11-13		Phosphorus, Total	0.28	mg/L	
HCCC-04	WW_104	2009-10-12		Phosphorus, Total	0.76	mg/L	
HCCC-04	WW_104	2006-12-11		Phosphorus, Total	0.58	mg/L	
HCCC-04	WW_104	2008-01-14		Phosphorus, Total	0.34	mg/L	
HCCC-04	WW_104	2006-10-09		Phosphorus, Total	0.73	mg/L	
HCCC-04	WW_104	2010-03-08		Phosphorus, Total	0.42	mg/L	
HCCC-04	WW_104	2006-05-08		Phosphorus, Total	1.08	mg/L	
HCCC-04	WW_104	2009-04-13		Phosphorus, Total	0.57	mg/L	
HCCC-04	WW_104	2007-01-08		Phosphorus, Total	0.63	mg/L	
HCCC-04	WW_104	2010-02-08		Phosphorus, Total	0.8	mg/L	
HCCC-04	WW_104	2006-01-09		Phosphorus, Total	0.78	mg/L	
HCCC-04	WW_104	2008-06-09		Phosphorus, Total	0.33	mg/L	
HCCC-04	WW_104	2007-10-08		Phosphorus, Total	1.54	mg/L	
HCCC-04	WW_104	2009-05-11		Phosphorus, Total	0.43	mg/L	
HCCD-01	WW_32	2012-07-16		Phosphorus, Total	0.22	mg/L	
HCCD-01	WW_32	2011-09-12		Phosphorus, Total	0.24	mg/L	
HCCD-01	WW_32	2012-03-12		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2010-11-08		Phosphorus, Total	0.15	mg/L	
HCCD-01	WW_32	2011-10-10		Phosphorus, Total	0.25	mg/L	
HCCD-01	WW_32	2011-06-13		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2011-07-11		Phosphorus, Total	0.55	mg/L	
HCCD-01	WW_32	2011-08-08		Phosphorus, Total	0.26	mg/L	
HCCD-01	WW_32	2012-05-14		Phosphorus, Total	0.13	mg/L	
HCCD-01	WW_32	2011-03-14		Phosphorus, Total	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2012-04-09		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2012-06-11		Phosphorus, Total	0.27	mg/L	
HCCD-01	WW_32	2011-11-14		Phosphorus, Total	0.21	mg/L	
HCCD-01	WW_32	2011-12-12		Phosphorus, Total	0.1	mg/L	
HCCD-01	WW_32	2011-04-11		Phosphorus, Total	0.61	mg/L	
HCCD-01	WW_32	2010-10-11		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2012-01-17		Phosphorus, Total	0.11	mg/L	
HCCD-01	WW_32	2011-05-09		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2005-06-13		Phosphorus, Total	0.38	mg/L	
HCCD-01	WW_32	2004-10-11		Phosphorus, Total	0.38	mg/L	
HCCD-01	WW_32	2005-02-14		Phosphorus, Total	0.25	mg/L	
HCCD-01	WW_32	2004-08-09		Phosphorus, Total	0.8	mg/L	
HCCD-01	WW_32	2005-07-11		Phosphorus, Total	0.33	mg/L	
HCCD-01	WW_32	2005-09-12		Phosphorus, Total	0.67	mg/L	
HCCD-01	WW_32	2005-03-14		Phosphorus, Total	0.08	mg/L	
HCCD-01	WW_32	2004-07-12		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2004-09-13		Phosphorus, Total	0.48	mg/L	
HCCD-01	WW_32	2005-05-09		Phosphorus, Total	0.08	mg/L	
HCCD-01	WW_32	2005-08-08		Phosphorus, Total	0.6	mg/L	
HCCD-01	WW_32	2004-11-08		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2004-12-13		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2005-04-11		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2004-06-14		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2010-06-14		Phosphorus, Total	0.12	mg/L	
HCCD-01	WW_32	2007-08-13		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2009-04-13		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2009-03-09		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2010-05-10		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2006-06-12		Phosphorus, Total	0.14	mg/L	
HCCD-01	WW_32	2005-12-12		Phosphorus, Total	2.08	mg/L	
HCCD-01	WW_32	2007-03-12		Phosphorus, Total	0.2	mg/L	
HCCD-01	WW_32	2008-07-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2008-11-10		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2007-04-09		Phosphorus, Total	0.1	mg/L	
HCCD-01	WW_32	2008-09-08		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2010-08-09		Phosphorus, Total	0.22	mg/L	
HCCD-01	WW_32	2008-10-13		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2006-08-14		Phosphorus, Total	0.26	mg/L	
HCCD-01	WW_32	2007-05-14		Phosphorus, Total	0.13	mg/L	
HCCD-01	WW_32	2005-10-10		Phosphorus, Total	2.91	mg/L	
HCCD-01	WW_32	2010-09-13		Phosphorus, Total	0.18	mg/L	
HCCD-01	WW_32	2005-11-14		Phosphorus, Total	2.11	mg/L	
HCCD-01	WW_32	2006-09-11		Phosphorus, Total	0.28	mg/L	
HCCD-01	WW_32	2008-08-11		Phosphorus, Total	0.32	mg/L	
HCCD-01	WW_32	2010-07-12		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2007-07-09		Phosphorus, Total	0.25	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2007-06-11		Phosphorus, Total	0.15	mg/L	
HCCD-01	WW_32	2006-07-10		Phosphorus, Total	0.2	mg/L	
HCCD-01	WW_32	2008-04-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2007-10-08		Phosphorus, Total	0.27	mg/L	
HCCD-01	WW_32	2006-04-10		Phosphorus, Total	1.04	mg/L	
HCCD-01	WW_32	2009-06-08		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2007-01-08		Phosphorus, Total	0.12	mg/L	
HCCD-01	WW_32	2006-02-14		Phosphorus, Total	2.4	mg/L	
HCCD-01	WW_32	2009-11-09		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2009-08-10		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2008-03-10		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2006-11-13		Phosphorus, Total	0.12	mg/L	
HCCD-01	WW_32	2009-07-13		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2007-11-13		Phosphorus, Total	0.2	mg/L	
HCCD-01	WW_32	2009-12-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2007-09-10		Phosphorus, Total	0.16	mg/L	
HCCD-01	WW_32	2006-05-08		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2008-01-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2009-05-11		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2008-06-09		Phosphorus, Total	0.26	mg/L	
HCCD-01	WW_32	2006-10-09		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2010-04-12		Phosphorus, Total	0.1	mg/L	
HCCD-01	WW_32	2009-09-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2008-05-12		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2006-01-09		Phosphorus, Total	1.57	mg/L	
HCCD-01	WW_32	2009-10-12		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2010-03-08		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2006-12-11		Phosphorus, Total	0.15	mg/L	
HCCD-01	WW_32	2006-03-13		Phosphorus, Total	0.69	mg/L	
HCCD-01	WW_32	2002-10-14		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2001-12-10		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2003-08-11		Phosphorus, Total	0.29	mg/L	
HCCD-01	WW_32	2002-08-12		Phosphorus, Total	0.66	mg/L	
HCCD-01	WW_32	2003-09-08		Phosphorus, Total	0.74	mg/L	
HCCD-01	WW_32	2002-09-09		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2001-05-14		Phosphorus, Total	0.12	mg/L	
HCCD-01	WW_32	2001-09-10		Phosphorus, Total	0.14	mg/L	
HCCD-01	WW_32	2004-03-08		Phosphorus, Total	0.07	mg/L	
HCCD-01	WW_32	2001-07-09		Phosphorus, Total	0.3	mg/L	
HCCD-01	WW_32	2003-12-08		Phosphorus, Total	0.07	mg/L	
HCCD-01	WW_32	2002-05-13		Phosphorus, Total	0.2	mg/L	
HCCD-01	WW_32	2002-03-11		Phosphorus, Total	0.1	mg/L	
HCCD-01	WW_32	2002-04-08		Phosphorus, Total	0.11	mg/L	
HCCD-01	WW_32	2001-08-13		Phosphorus, Total	0.17	mg/L	
HCCD-01	WW_32	2001-06-11		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2003-10-13		Phosphorus, Total	1.26	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2004-04-12		Phosphorus, Total	0.07	mg/L	
HCCD-01	WW_32	2002-07-08		Phosphorus, Total	0.31	mg/L	
HCCD-01	WW_32	2002-02-11		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2002-06-10		Phosphorus, Total	0.11	mg/L	
HCCD-01	WW_32	2003-11-10		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2002-11-12		Phosphorus, Total	0.11	mg/L	
HCCD-01	WW_32	2003-07-14		Phosphorus, Total	0.19	mg/L	
HCCD-01	WW_32	2001-02-13		Phosphorus, Total	0.15	mg/L	
HCCD-01	WW_32	2003-06-09		Phosphorus, Total	0.09	mg/L	
HCCD-01	WW_32	2001-10-08		Phosphorus, Total	0.1	mg/L	
HCCD-01	WW_32	2001-04-09		Phosphorus, Total	0.08	mg/L	
HCCD-01	WW_32	2004-05-10		Phosphorus, Total	0.11	mg/L	
HCCD-01	WW_32	2001-03-12		Phosphorus, Total	0.13	mg/L	
HCCD-01	WW_32	2003-05-12		Phosphorus, Total	0.25	mg/L	
HCCD-01	WW_32	2003-04-14		Phosphorus, Total	0	mg/L	
HCCD-01	WW_32	2001-11-13		Phosphorus, Total	0.08	mg/L	
HCCD-09	HCCD-09	2011-08-18	8:20	Phosphorus, Total	0.232	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Phosphorus, Total	2.7	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Phosphorus, Total	0.71	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Phosphorus, Total	0.264	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Phosphorus, Total	0.44	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Phosphorus, Total	2	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Phosphorus, Total	1.27	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Phosphorus, Total	1.94	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Phosphorus, Total	0.927	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Phosphorus, Total	1.24	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Phosphorus, Total	1.35	mg/L	
HCCD-09	WW_105	2012-05-14		Phosphorus, Total	0.76	mg/L	
HCCD-09	WW_105	2011-02-14		Phosphorus, Total	1.62	mg/L	
HCCD-09	WW_105	2011-05-09		Phosphorus, Total	0.72	mg/L	
HCCD-09	WW_105	2011-01-10		Phosphorus, Total	1.35	mg/L	
HCCD-09	WW_105	2011-11-14		Phosphorus, Total	0.58	mg/L	
HCCD-09	WW_105	2012-03-12		Phosphorus, Total	0.5	mg/L	
HCCD-09	WW_105	2011-08-08		Phosphorus, Total	0.33	mg/L	
HCCD-09	WW_105	2012-04-09		Phosphorus, Total	0.96	mg/L	
HCCD-09	WW_105	2011-09-12		Phosphorus, Total	2	mg/L	
HCCD-09	WW_105	2010-10-11		Phosphorus, Total	2.09	mg/L	
HCCD-09	WW_105	2011-12-12		Phosphorus, Total	0.26	mg/L	
HCCD-09	WW_105	2010-12-13		Phosphorus, Total	0.58	mg/L	
HCCD-09	WW_105	2011-04-11		Phosphorus, Total	0.35	mg/L	
HCCD-09	WW_105	2012-01-17		Phosphorus, Total	0.5	mg/L	
HCCD-09	WW_105	2012-06-11		Phosphorus, Total	1.87	mg/L	
HCCD-09	WW_105	2010-11-08		Phosphorus, Total	2.38	mg/L	
HCCD-09	WW_105	2011-10-10		Phosphorus, Total	1.34	mg/L	
HCCD-09	WW_105	2012-02-14		Phosphorus, Total	0.37	mg/L	
HCCD-09	WW_105	2011-03-14		Phosphorus, Total	0.34	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-07-11		Phosphorus, Total	1.86	mg/L	
HCCD-09	WW_105	2011-06-13		Phosphorus, Total	0.48	mg/L	
HCCD-09	WW_105	2012-07-16		Phosphorus, Total	1.5	mg/L	
HCCD-09	WW_105	2005-09-12		Phosphorus, Total	2.87	mg/L	
HCCD-09	WW_105	2002-08-12		Phosphorus, Total	2.99	mg/L	
HCCD-09	WW_105	2003-09-08		Phosphorus, Total	3.06	mg/L	
HCCD-09	WW_105	2005-06-13		Phosphorus, Total	1.99	mg/L	
HCCD-09	WW_105	2003-11-10		Phosphorus, Total	0.53	mg/L	
HCCD-09	WW_105	2002-06-10		Phosphorus, Total	0.41	mg/L	
HCCD-09	WW_105	2002-05-13		Phosphorus, Total	0.22	mg/L	
HCCD-09	WW_105	2001-07-09		Phosphorus, Total	0.57	mg/L	
HCCD-09	WW_105	2004-09-13		Phosphorus, Total	2.69	mg/L	
HCCD-09	WW_105	2005-03-14		Phosphorus, Total	0.73	mg/L	
HCCD-09	WW_105	2003-10-13		Phosphorus, Total	3.05	mg/L	
HCCD-09	WW_105	2001-06-11		Phosphorus, Total	0.74	mg/L	
HCCD-09	WW_105	2002-07-08		Phosphorus, Total	2.44	mg/L	
HCCD-09	WW_105	2003-02-10		Phosphorus, Total	2.63	mg/L	
HCCD-09	WW_105	2003-03-10		Phosphorus, Total	2.2	mg/L	
HCCD-09	WW_105	2005-05-09		Phosphorus, Total	2.01	mg/L	
HCCD-09	WW_105	2003-01-13		Phosphorus, Total	2.55	mg/L	
HCCD-09	WW_105	2001-03-12		Phosphorus, Total	1.04	mg/L	
HCCD-09	WW_105	2003-05-12		Phosphorus, Total	0.32	mg/L	
HCCD-09	WW_105	2004-12-13		Phosphorus, Total	0.48	mg/L	
HCCD-09	WW_105	2005-04-11		Phosphorus, Total	1.63	mg/L	
HCCD-09	WW_105	2003-06-09		Phosphorus, Total	1.17	mg/L	
HCCD-09	WW_105	2003-04-14		Phosphorus, Total	0.51	mg/L	
HCCD-09	WW_105	2004-11-08		Phosphorus, Total	0.95	mg/L	
HCCD-09	WW_105	2003-08-11		Phosphorus, Total	2.29	mg/L	
HCCD-09	WW_105	2002-10-14		Phosphorus, Total	1.62	mg/L	
HCCD-09	WW_105	2002-09-09		Phosphorus, Total	1.69	mg/L	
HCCD-09	WW_105	2004-10-11		Phosphorus, Total	1.36	mg/L	
HCCD-09	WW_105	2001-05-14		Phosphorus, Total	0.41	mg/L	
HCCD-09	WW_105	2003-07-14		Phosphorus, Total	0.81	mg/L	
HCCD-09	WW_105	2001-04-09		Phosphorus, Total	0.64	mg/L	
HCCD-09	WW_105	2002-12-09		Phosphorus, Total	2.46	mg/L	
HCCD-09	WW_105	2002-11-12		Phosphorus, Total	2.38	mg/L	
HCCD-09	WW_105	2004-01-12		Phosphorus, Total	2.13	mg/L	
HCCD-09	WW_105	2004-04-12		Phosphorus, Total	1.01	mg/L	
HCCD-09	WW_105	2004-06-14		Phosphorus, Total	0.36	mg/L	
HCCD-09	WW_105	2002-01-14		Phosphorus, Total	1.81	mg/L	
HCCD-09	WW_105	2002-02-11		Phosphorus, Total	0.51	mg/L	
HCCD-09	WW_105	2001-10-08		Phosphorus, Total	1.08	mg/L	
HCCD-09	WW_105	2001-08-13		Phosphorus, Total	1.3	mg/L	
HCCD-09	WW_105	2005-08-08		Phosphorus, Total	2.9	mg/L	
HCCD-09	WW_105	2004-03-08		Phosphorus, Total	0.27	mg/L	
HCCD-09	WW_105	2005-07-11		Phosphorus, Total	1.84	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2005-01-10		Phosphorus, Total	0.89	mg/L	
HCCD-09	WW_105	2004-02-09		Phosphorus, Total	1.93	mg/L	
HCCD-09	WW_105	2004-07-12		Phosphorus, Total	0.52	mg/L	
HCCD-09	WW_105	2005-02-14		Phosphorus, Total	0.41	mg/L	
HCCD-09	WW_105	2002-03-11		Phosphorus, Total	0.26	mg/L	
HCCD-09	WW_105	2001-11-13		Phosphorus, Total	1	mg/L	
HCCD-09	WW_105	2003-12-08		Phosphorus, Total	1.38	mg/L	
HCCD-09	WW_105	2004-08-09		Phosphorus, Total	1.47	mg/L	
HCCD-09	WW_105	2004-05-10		Phosphorus, Total	1.51	mg/L	
HCCD-09	WW_105	2001-09-10		Phosphorus, Total	1.26	mg/L	
HCCD-09	WW_105	2002-04-08		Phosphorus, Total	0.93	mg/L	
HCCD-09	WW_105	2001-12-10		Phosphorus, Total	1.28	mg/L	
HCCD-09	WW_105	2008-07-14		Phosphorus, Total	0.53	mg/L	
HCCD-09	WW_105	2006-11-13		Phosphorus, Total	0.36	mg/L	
HCCD-09	WW_105	2007-04-09		Phosphorus, Total	0.55	mg/L	
HCCD-09	WW_105	2008-06-09		Phosphorus, Total	0.37	mg/L	
HCCD-09	WW_105	2008-01-14		Phosphorus, Total	0.41	mg/L	
HCCD-09	WW_105	2008-02-11		Phosphorus, Total	0.6	mg/L	
HCCD-09	WW_105	2008-10-13		Phosphorus, Total	1.37	mg/L	
HCCD-09	WW_105	2007-09-10		Phosphorus, Total	1.58	mg/L	
HCCD-09	WW_105	2008-03-10		Phosphorus, Total	0.29	mg/L	
HCCD-09	WW_105	2007-05-14		Phosphorus, Total	1.15	mg/L	
HCCD-09	WW_105	2007-07-09		Phosphorus, Total	1.73	mg/L	
HCCD-09	WW_105	2007-08-13		Phosphorus, Total	0.46	mg/L	
HCCD-09	WW_105	2007-03-12		Phosphorus, Total	0.26	mg/L	
HCCD-09	WW_105	2007-11-13		Phosphorus, Total	2.67	mg/L	
HCCD-09	WW_105	2008-05-12		Phosphorus, Total	0.28	mg/L	
HCCD-09	WW_105	2006-09-11		Phosphorus, Total	1.55	mg/L	
HCCD-09	WW_105	2008-08-11		Phosphorus, Total	2.12	mg/L	
HCCD-09	WW_105	2006-10-09		Phosphorus, Total	0.84	mg/L	
HCCD-09	WW_105	2007-06-11		Phosphorus, Total	1.17	mg/L	
HCCD-09	WW_105	2008-09-08		Phosphorus, Total	0.62	mg/L	
HCCD-09	WW_105	2007-10-08		Phosphorus, Total	1.84	mg/L	
HCCD-09	WW_105	2006-12-11		Phosphorus, Total	0.76	mg/L	
HCCD-09	WW_105	2007-12-10		Phosphorus, Total	1.5	mg/L	
HCCD-09	WW_105	2008-04-14		Phosphorus, Total	0	mg/L	
HCCD-09	WW_105	2007-01-08		Phosphorus, Total	0.8	mg/L	
HCCD-09	WW_105	2010-04-12		Phosphorus, Total	0.48	mg/L	
HCCD-09	WW_105	2009-04-13		Phosphorus, Total	0.71	mg/L	
HCCD-09	WW_105	2010-03-08		Phosphorus, Total	0.6	mg/L	
HCCD-09	WW_105	2006-01-09		Phosphorus, Total	0.9	mg/L	
HCCD-09	WW_105	2006-05-08		Phosphorus, Total	1.22	mg/L	
HCCD-09	WW_105	2009-05-11		Phosphorus, Total	0.55	mg/L	
HCCD-09	WW_105	2005-12-12		Phosphorus, Total	1.86	mg/L	
HCCD-09	WW_105	2005-11-14		Phosphorus, Total	1.14	mg/L	
HCCD-09	WW_105	2009-02-09		Phosphorus, Total	0.27	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2010-05-10		Phosphorus, Total	0.6	mg/L	
HCCD-09	WW_105	2010-06-14		Phosphorus, Total	1.24	mg/L	
HCCD-09	WW_105	2006-06-12		Phosphorus, Total	1.11	mg/L	
HCCD-09	WW_105	2009-03-09		Phosphorus, Total	0	mg/L	
HCCD-09	WW_105	2009-11-09		Phosphorus, Total	0.84	mg/L	
HCCD-09	WW_105	2009-08-10		Phosphorus, Total	1.49	mg/L	
HCCD-09	WW_105	2006-02-14		Phosphorus, Total	0.74	mg/L	
HCCD-09	WW_105	2009-10-12		Phosphorus, Total	0.98	mg/L	
HCCD-09	WW_105	2009-09-14		Phosphorus, Total	1.86	mg/L	
HCCD-09	WW_105	2006-03-13		Phosphorus, Total	0.9	mg/L	
HCCD-09	WW_105	2009-06-08		Phosphorus, Total	0.9	mg/L	
HCCD-09	WW_105	2010-02-08		Phosphorus, Total	0.98	mg/L	
HCCD-09	WW_105	2009-07-13		Phosphorus, Total	1.5	mg/L	
HCCD-09	WW_105	2009-12-14		Phosphorus, Total	0.63	mg/L	
HCCD-09	WW_105	2010-01-11		Phosphorus, Total	0.26	mg/L	
HCCD-09	WW_105	2006-04-10		Phosphorus, Total	0.69	mg/L	
HCCD-09	WW_105	2008-12-08		Phosphorus, Total	1.44	mg/L	
HCCD-09	WW_105	2006-07-10		Phosphorus, Total	2.3	mg/L	
HCCD-09	WW_105	2005-10-10		Phosphorus, Total	0.19	mg/L	
HCCD-09	WW_105	2009-01-12		Phosphorus, Total	0.86	mg/L	
HCCD-09	WW_105	2008-11-10		Phosphorus, Total	1.75	mg/L	
HCCD-09	WW_105	2006-08-14		Phosphorus, Total	2.72	mg/L	
HCCD-09	WW_105	2010-09-13		Phosphorus, Total	1.16	mg/L	
HCCD-09	WW_105	2010-08-09		Phosphorus, Total	0.97	mg/L	
HCCD-09	WW_105	2010-07-12		Phosphorus, Total	1.3	mg/L	
RHJ	RHJ-1	2001-06-22	11:15	Phosphorus, Total	0.129	mg/L	4 ft
RHJ	RHJ-1	2001-06-22	11:15	Phosphorus, Total	0.129	mg/L	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Total	0.203	mg/L	8 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Total	0.203	mg/L	8 ft
RHJ	RHJ-1	2001-11-05	11:30	Phosphorus, Total	0.152	mg/L	1.5 ft
RHJ	RHJ-1	2001-11-05	11:30	Phosphorus, Total	0.152	mg/L	1.5 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Total	0.111	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Total	0.111	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Phosphorus, Total	0.193	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Phosphorus, Total	0.193	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Phosphorus, Total	0.003	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Phosphorus, Total	0.202	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Phosphorus, Total	0.202	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Phosphorus, Total	0.076	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2003-10-10	11:54	Phosphorus, Total	0.076	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Phosphorus, Total	0.084	mg/L	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Phosphorus, Total	0.156	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Phosphorus, Total	0.256	mg/L	1 ft
RHJ	RHJ-1	2001-09-04	12:00	Phosphorus, Total	0.209	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Phosphorus, Total	0.209	mg/L	3 ft
RHJ	RHJ-1	2011-08-04	12:21	Phosphorus, Total	0.196	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Phosphorus, Total	0.151	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Phosphorus, Total	0.104	mg/L	4.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Phosphorus, Total	0.104	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Phosphorus, Total	0.084	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Phosphorus, Total	0.084	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Phosphorus, Total	0.245	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Phosphorus, Total	0.245	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Phosphorus, Total	0.345	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Phosphorus, Total	0.345	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Total	0.124	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Total	0.124	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Phosphorus, Total	0.166	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Phosphorus, Total	0.166	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Phosphorus, Total	0.152	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Phosphorus, Total	0.152	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Phosphorus, Total	0.082	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Phosphorus, Total	0.082	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Phosphorus, Total	0.06	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Phosphorus, Total	0.159	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Phosphorus, Total	0.249	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Phosphorus, Total	0.266	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Phosphorus, Total	0.096	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Phosphorus, Total	0.2	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Phosphorus, Total	0.2	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Total	0.221	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Total	0.221	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Phosphorus, Total	0.186	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Phosphorus, Total	0.186	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Phosphorus, Total	0.275	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Phosphorus, Total	0.275	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Phosphorus, Total	0.096	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Phosphorus, Total	0.274	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Phosphorus, Total	0.51	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Phosphorus, Total	0.396	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Phosphorus, Total	0.176	mg/L	1 ft
RHJA	RHJA-1	2004-07-01	15:00	Phosphorus, Total	0.091	mg/L	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Phosphorus, Total	0.054	mg/L	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Phosphorus, Total	0.094	mg/L	14 ft
RHJA	RHJA-1	2004-07-14	10:25	Phosphorus, Total	0.067	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2004-11-01	10:19	Phosphorus, Total	0.014	mg/L	12 ft
RHJA	RHJA-1	2004-11-01	10:15	Phosphorus, Total	0.008	mg/L	1 ft
RHJA	RHJA-1	2005-04-05	10:26	Phosphorus, Total	0.022	mg/L	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Phosphorus, Total	0.039	mg/L	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Phosphorus, Total	0.046	mg/L	12 ft
RHJA	RHJA-1	2005-04-20	11:36	Phosphorus, Total	0.029	mg/L	1 ft
RHJA	RHJA-1	2005-05-04	10:00	Phosphorus, Total	0.008	mg/L	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Phosphorus, Total	0.036	mg/L	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Phosphorus, Total	0.029	mg/L	1 ft
RHJA	RHJA-1	2005-06-15	9:54	Phosphorus, Total	0.059	mg/L	12 ft
RHJA	RHJA-1	2005-06-15	9:50	Phosphorus, Total	0.029	mg/L	1 ft
RHJA	RHJA-1	2005-06-29	10:10	Phosphorus, Total	0.053	mg/L	1 ft
RHJA	RHJA-1	2005-07-13	9:05	Phosphorus, Total	0.051	mg/L	12 ft
RHJA	RHJA-1	2005-07-13	9:00	Phosphorus, Total	0.041	mg/L	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Phosphorus, Total	0.052	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Phosphorus, Total	0.073	mg/L	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Phosphorus, Total	0.08	mg/L	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Phosphorus, Total	0.053	mg/L	1 ft
RHJA	RHJA-1	2005-08-24	10:03	Phosphorus, Total	0.038	mg/L	12 ft
RHJA	RHJA-1	2005-08-24	9:58	Phosphorus, Total	0.04	mg/L	1 ft
RHJA	RHJA-1	2005-09-15	11:06	Phosphorus, Total	0.052	mg/L	12 ft
RHJA	RHJA-1	2005-09-15	10:01	Phosphorus, Total	0.031	mg/L	1 ft
RHJA	RHJA-1	2005-10-12	10:25	Phosphorus, Total	0.025	mg/L	12 ft
RHJA	RHJA-1	2005-10-12	10:20	Phosphorus, Total	0.037	mg/L	1 ft
RHJA	RHJA-1	2005-11-15	9:50	Phosphorus, Total	0.017	mg/L	12 ft
RHJA	RHJA-1	2005-12-21	10:13	Phosphorus, Total	0.027	mg/L	12 ft
RHJA	RHJA-1	2005-12-21	10:10	Phosphorus, Total	0.028	mg/L	1 ft
RHJA	RHJA-2	2004-07-01	16:22	Phosphorus, Total	0.099	mg/L	15 ft
RHJA	RHJA-2	2004-07-01	16:13	Phosphorus, Total	0.031	mg/L	1 ft
RHJA	RHJA-2	2004-07-14	11:31	Phosphorus, Total	0.167	mg/L	16 ft
RHJA	RHJA-2	2004-07-14	11:25	Phosphorus, Total	0.036	mg/L	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Phosphorus, Total	0.037	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Phosphorus, Total	0.027	mg/L	1 ft
RHJA	RHJA-2	2005-04-05	11:37	Phosphorus, Total	0.025	mg/L	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Phosphorus, Total	0.022	mg/L	1 ft
RHJA	RHJA-2	2005-04-20	12:56	Phosphorus, Total	0.017	mg/L	16 ft
RHJA	RHJA-2	2005-04-20	12:51	Phosphorus, Total	0.03	mg/L	1 ft
RHJA	RHJA-2	2005-05-04	10:51	Phosphorus, Total	0.015	mg/L	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Phosphorus, Total	0.018	mg/L	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Phosphorus, Total	0.028	mg/L	1 ft
RHJA	RHJA-2	2005-06-15	10:58	Phosphorus, Total	0.045	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Phosphorus, Total	0.017	mg/L	1 ft
RHJA	RHJA-2	2005-06-29	11:02	Phosphorus, Total	0.042	mg/L	16 ft
RHJA	RHJA-2	2005-06-29	10:57	Phosphorus, Total	0.023	mg/L	1 ft
RHJA	RHJA-2	2005-07-13	10:07	Phosphorus, Total	0.068	mg/L	16 ft
RHJA	RHJA-2	2005-07-13	10:01	Phosphorus, Total	0.035	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-07-27	10:39	Phosphorus, Total	0.181	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Phosphorus, Total	0.031	mg/L	1 ft
RHJA	RHJA-2	2005-08-11	10:07	Phosphorus, Total	0.147	mg/L	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Phosphorus, Total	0.028	mg/L	1 ft
RHJA	RHJA-2	2005-08-24	10:56	Phosphorus, Total	0.171	mg/L	16 ft
RHJA	RHJA-2	2005-08-24	10:50	Phosphorus, Total	0.037	mg/L	1 ft
RHJA	RHJA-2	2005-09-15	10:55	Phosphorus, Total	0.056	mg/L	16 ft
RHJA	RHJA-2	2005-09-15	10:50	Phosphorus, Total	0.027	mg/L	1 ft
RHJA	RHJA-2	2005-10-12	11:25	Phosphorus, Total	0.045	mg/L	16 ft
RHJA	RHJA-2	2005-10-12	11:19	Phosphorus, Total	0.04	mg/L	1 ft
RHJA	RHJA-2	2005-11-15	10:45	Phosphorus, Total	0.016	mg/L	16 ft
RHJA	RHJA-2	2005-11-15	10:40	Phosphorus, Total	0.022	mg/L	1 ft
RHJA	RHJA-2	2005-12-21	11:30	Phosphorus, Total	0.02	mg/L	15 ft
RHJA	RHJA-2	2005-12-21	11:25	Phosphorus, Total	0.02	mg/L	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Phosphorus, Total	0.135	mg/L	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Phosphorus, Total	0.048	mg/L	1 ft
RHJA	RHJA-3	2004-07-14	11:50	Phosphorus, Total	0.051	mg/L	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Phosphorus, Total	0.073	mg/L	13 ft
RHJA	RHJA-3	2005-04-05	12:05	Phosphorus, Total	0.019	mg/L	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Phosphorus, Total	0.012	mg/L	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Phosphorus, Total	0.023	mg/L	1 ft
RHJA	RHJA-3	2005-04-20	13:25	Phosphorus, Total	0.027	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:39	Phosphorus, Total	0.014	mg/L	12 ft
RHJA	RHJA-3	2005-05-25	11:19	Phosphorus, Total	0.03	mg/L	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Phosphorus, Total	0.021	mg/L	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Phosphorus, Total	0.037	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Phosphorus, Total	0.105	mg/L	1 ft
RHJA	RHJA-3	2005-06-29	11:53	Phosphorus, Total	0.045	mg/L	12 ft
RHJA	RHJA-3	2005-06-29	11:40	Phosphorus, Total	0.032	mg/L	1 ft
RHJA	RHJA-3	2005-07-13	10:31	Phosphorus, Total	0.05	mg/L	12 ft
RHJA	RHJA-3	2005-07-13	10:28	Phosphorus, Total	0.032	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	10:58	Phosphorus, Total	0.082	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Phosphorus, Total	0.1	mg/L	12 ft
RHJA	RHJA-3	2005-08-11	10:35	Phosphorus, Total	0.069	mg/L	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Phosphorus, Total	0.086	mg/L	12 ft
RHJA	RHJA-3	2005-08-24	11:22	Phosphorus, Total	0.065	mg/L	1 ft
RHJA	RHJA-3	2005-08-24	11:29	Phosphorus, Total	0.038	mg/L	12 ft
RHJA	RHJA-3	2005-09-15	11:19	Phosphorus, Total	0.063	mg/L	1 ft
RHJA	RHJA-3	2005-10-12	11:49	Phosphorus, Total	0.025	mg/L	1 ft
RHJA	RHJA-3	2005-10-12	11:54	Phosphorus, Total	0.057	mg/L	12 ft
RHJA	RHJA-3	2005-11-15	11:05	Phosphorus, Total	0.04	mg/L	1 ft
RHJA	RHJA-3	2005-11-15	11:07	Phosphorus, Total	0.029	mg/L	12 ft
RHJA	RHJA-3	2005-12-21	11:55	Phosphorus, Total	0.032	mg/L	11 ft
RHJA	RHJA-3	2005-12-21	11:50	Phosphorus, Total	0.027	mg/L	1 ft
UHH	UHH-1	2002-09-17		Phosphorus, Total	0.115	mg/L	3 ft
UHH	UHH-1	2002-08-20		Phosphorus, Total	0.096	mg/L	3 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-1	2002-07-23		Phosphorus, Total	0.093	mg/L	3 ft
UHH	UHH-1	2002-06-18		Phosphorus, Total	0.089	mg/L	3 ft
UHH	UHH-1	2002-05-14		Phosphorus, Total	0.082	mg/L	3 ft
UHH	UHH-1	2002-05-14		Phosphorus, Total	0.082	mg/L	3 ft
UHH	UHH-1	2002-06-18		Phosphorus, Total	0.089	mg/L	3 ft
UHH	UHH-1	2002-07-23		Phosphorus, Total	0.093	mg/L	3 ft
UHH	UHH-1	2002-08-20		Phosphorus, Total	0.096	mg/L	3 ft
UHH	UHH-1	2002-09-17		Phosphorus, Total	0.115	mg/L	3 ft
UHH	UHH-1	2002-05-14		Phosphorus, Total	0.082	mg/L	3
UHH	UHH-1	2002-06-18		Phosphorus, Total	0.089	mg/L	3
UHH	UHH-1	2002-07-23		Phosphorus, Total	0.093	mg/L	3
UHH	UHH-1	2002-08-20		Phosphorus, Total	0.096	mg/L	3
UHH	UHH-1	2002-09-17		Phosphorus, Total	0.115	mg/L	3
UHH	UHH-2	2002-05-14		Phosphorus, Total	0.056	mg/L	3 ft
UHH	UHH-2	2002-06-18		Phosphorus, Total	0.124	mg/L	3 ft
UHH	UHH-2	2002-07-23		Phosphorus, Total	0.081	mg/L	3 ft
UHH	UHH-2	2002-08-20		Phosphorus, Total	0.038	mg/L	3 ft
UHH	UHH-2	2002-09-17		Phosphorus, Total	0.072	mg/L	3 ft
UHH	UHH-2	2002-05-14		Phosphorus, Total	0.056	mg/L	3 ft
UHH	UHH-2	2002-06-18		Phosphorus, Total	0.124	mg/L	3 ft
UHH	UHH-2	2002-07-23		Phosphorus, Total	0.081	mg/L	3 ft
UHH	UHH-2	2002-08-20		Phosphorus, Total	0.038	mg/L	3 ft
UHH	UHH-2	2002-09-17		Phosphorus, Total	0.072	mg/L	3 ft
UHH	UHH-2	2002-05-14		Phosphorus, Total	0.056	mg/L	3
UHH	UHH-2	2002-06-18		Phosphorus, Total	0.124	mg/L	3
UHH	UHH-2	2002-07-23		Phosphorus, Total	0.081	mg/L	3
UHH	UHH-2	2002-08-20		Phosphorus, Total	0.038	mg/L	3
UHH	UHH-2	2002-09-17		Phosphorus, Total	0.072	mg/L	3
RHJ	RHJ-1	2000-06-27	10:30	Phosphorus, Total in Sediment	846	mg/Kg	14 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Total in Sediment	941	mg/Kg	4 ft
RHJ	RHJ-1	2000-06-27	10:30	Phosphorus, Total in Sediment	846	mg/Kg	14 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Total in Sediment	1130	mg/Kg	10 ft
RHJ	RHJ-1	2001-07-16	14:12	Phosphorus, Total in Sediment	941	mg/Kg	4 ft
RHJ	RHJ-1	2011-06-14	9:18	Phosphorus, Total in Sediment	1160	mg/Kg	8 ft
RHJ	RHJ-1	2003-06-10	9:17	Phosphorus, Total in Sediment	1130	mg/Kg	10 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Total in Sediment	498	mg/Kg	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Phosphorus, Total in Sediment	498	mg/Kg	12 ft
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Total in Sediment	1780	mg/Kg	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Phosphorus, Total in Sediment	1720	mg/Kg	10 ft
RHJ	RHJ-3	2001-07-16	12:45	Phosphorus, Total in Sediment	1780	mg/Kg	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Phosphorus, Total in Sediment	1720	mg/Kg	10 ft
RHJ	RHJ-3	2011-06-14	10:59	Phosphorus, Total in Sediment	1670	mg/Kg	5 ft
HCC-07	HCC-07	2003-08-21	12:30	Solids, Dissolved	589	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Solids, Dissolved	844	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Solids, Dissolved	458	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Solids, Dissolved	907	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2004-08-04	13:15	Solids, Dissolved	577	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Solids, Dissolved	669	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Solids, Dissolved	418	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Solids, Dissolved	2380	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Solids, Dissolved	101	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Solids, Dissolved	815	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Solids, Dissolved	650	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Solids, Dissolved	900	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Solids, Dissolved	400	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Solids, Dissolved	778	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Solids, Dissolved	536	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Solids, Dissolved	898	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Solids, Dissolved	1780	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Solids, Dissolved	860	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Solids, Dissolved	585	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Solids, Dissolved	703	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Solids, Dissolved	801	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Solids, Dissolved	1180	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Solids, Dissolved	444	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Solids, Dissolved	1610	mg/L	
HCC-07	WW_34	2011-11-14		Solids, Dissolved	508	mg/L	
HCC-07	WW_34	2012-04-09		Solids, Dissolved	1062	mg/L	
HCC-07	WW_34	2012-06-11		Solids, Dissolved	784	mg/L	
HCC-07	WW_34	2012-05-14		Solids, Dissolved	792	mg/L	
HCC-07	WW_34	2011-01-10		Solids, Dissolved	990	mg/L	
HCC-07	WW_34	2011-04-11		Solids, Dissolved	934	mg/L	
HCC-07	WW_34	2011-12-12		Solids, Dissolved	578	mg/L	
HCC-07	WW_34	2011-08-08		Solids, Dissolved	320	mg/L	
HCC-07	WW_34	2011-07-11		Solids, Dissolved	772	mg/L	
HCC-07	WW_34	2012-01-17		Solids, Dissolved	1622	mg/L	
HCC-07	WW_34	2012-03-12		Solids, Dissolved	1060	mg/L	
HCC-07	WW_34	2011-06-13		Solids, Dissolved	670	mg/L	
HCC-07	WW_34	2012-07-16		Solids, Dissolved	526	mg/L	
HCC-07	WW_34	2011-10-10		Solids, Dissolved	604	mg/L	
HCC-07	WW_34	2011-03-14		Solids, Dissolved	1052	mg/L	
HCC-07	WW_34	2011-09-12		Solids, Dissolved	574	mg/L	
HCC-07	WW_34	2012-02-14		Solids, Dissolved	1146	mg/L	
HCC-07	WW_34	2011-05-09		Solids, Dissolved	894	mg/L	
HCC-07	WW_34	2005-07-11		Solids, Dissolved	816	mg/L	
HCC-07	WW_34	2004-08-09		Solids, Dissolved	590	mg/L	
HCC-07	WW_34	2005-08-08		Solids, Dissolved	620	mg/L	
HCC-07	WW_34	2004-06-14		Solids, Dissolved	506	mg/L	
HCC-07	WW_34	2005-04-11		Solids, Dissolved	1004	mg/L	
HCC-07	WW_34	2005-02-14		Solids, Dissolved	982	mg/L	
HCC-07	WW_34	2004-10-11		Solids, Dissolved	480	mg/L	
HCC-07	WW_34	2004-09-13		Solids, Dissolved	528	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2004-07-12		Solids, Dissolved	462	mg/L	
HCC-07	WW_34	2004-12-13		Solids, Dissolved	686	mg/L	
HCC-07	WW_34	2005-01-10		Solids, Dissolved	1252	mg/L	
HCC-07	WW_34	2005-06-13		Solids, Dissolved	750	mg/L	
HCC-07	WW_34	2005-03-14		Solids, Dissolved	1328	mg/L	
HCC-07	WW_34	2004-11-08		Solids, Dissolved	492	mg/L	
HCC-07	WW_34	2005-09-12		Solids, Dissolved	566	mg/L	
HCC-07	WW_34	2005-05-09		Solids, Dissolved	918	mg/L	
HCC-07	WW_34	2006-03-13		Solids, Dissolved	690	mg/L	
HCC-07	WW_34	2005-10-10		Solids, Dissolved	620	mg/L	
HCC-07	WW_34	2007-04-09		Solids, Dissolved	970	mg/L	
HCC-07	WW_34	2006-12-11		Solids, Dissolved	720	mg/L	
HCC-07	WW_34	2006-08-14		Solids, Dissolved	640	mg/L	
HCC-07	WW_34	2006-01-09		Solids, Dissolved	1010	mg/L	
HCC-07	WW_34	2007-03-12		Solids, Dissolved	904	mg/L	
HCC-07	WW_34	2006-06-12		Solids, Dissolved	658	mg/L	
HCC-07	WW_34	2007-01-08		Solids, Dissolved	600	mg/L	
HCC-07	WW_34	2006-10-09		Solids, Dissolved	452	mg/L	
HCC-07	WW_34	2006-05-08		Solids, Dissolved	810	mg/L	
HCC-07	WW_34	2006-07-10		Solids, Dissolved	660	mg/L	
HCC-07	WW_34	2005-11-14		Solids, Dissolved	602	mg/L	
HCC-07	WW_34	2006-02-14		Solids, Dissolved	1172	mg/L	
HCC-07	WW_34	2006-11-13		Solids, Dissolved	544	mg/L	
HCC-07	WW_34	2006-09-11		Solids, Dissolved	346	mg/L	
HCC-07	WW_34	2006-04-10		Solids, Dissolved	840	mg/L	
HCC-07	WW_34	2009-08-10		Solids, Dissolved	438	mg/L	
HCC-07	WW_34	2007-10-08		Solids, Dissolved	524	mg/L	
HCC-07	WW_34	2009-07-13		Solids, Dissolved	682	mg/L	
HCC-07	WW_34	2008-11-10		Solids, Dissolved	568	mg/L	
HCC-07	WW_34	2007-11-13		Solids, Dissolved	580	mg/L	
HCC-07	WW_34	2008-04-14		Solids, Dissolved	616	mg/L	
HCC-07	WW_34	2007-09-10		Solids, Dissolved	488	mg/L	
HCC-07	WW_34	2009-11-09		Solids, Dissolved	638	mg/L	
HCC-07	WW_34	2009-10-12		Solids, Dissolved	446	mg/L	
HCC-07	WW_34	2008-10-13		Solids, Dissolved	626	mg/L	
HCC-07	WW_34	2009-09-14		Solids, Dissolved	592	mg/L	
HCC-07	WW_34	2009-04-13		Solids, Dissolved	912	mg/L	
HCC-07	WW_34	2008-01-14		Solids, Dissolved	1166	mg/L	
HCC-07	WW_34	2008-03-10		Solids, Dissolved	1152	mg/L	
HCC-07	WW_34	2009-01-12		Solids, Dissolved	1122	mg/L	
HCC-07	WW_34	2009-02-09		Solids, Dissolved	1150	mg/L	
HCC-07	WW_34	2009-03-09		Solids, Dissolved	416	mg/L	
HCC-07	WW_34	2009-06-08		Solids, Dissolved	422	mg/L	
HCC-07	WW_34	2009-05-11		Solids, Dissolved	712	mg/L	
HCC-07	WW_34	2008-12-08		Solids, Dissolved	1028	mg/L	
HCC-07	WW_34	2007-12-10		Solids, Dissolved	2016	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2007-06-11		Solids, Dissolved	840	mg/L	
HCC-07	WW_34	2010-06-14		Solids, Dissolved	620	mg/L	
HCC-07	WW_34	2008-08-11		Solids, Dissolved	640	mg/L	
HCC-07	WW_34	2010-05-10		Solids, Dissolved	890	mg/L	
HCC-07	WW_34	2007-05-14		Solids, Dissolved	902	mg/L	
HCC-07	WW_34	2008-07-14		Solids, Dissolved	596	mg/L	
HCC-07	WW_34	2010-07-12		Solids, Dissolved	516	mg/L	
HCC-07	WW_34	2008-06-09		Solids, Dissolved	424	mg/L	
HCC-07	WW_34	2010-08-09		Solids, Dissolved	644	mg/L	
HCC-07	WW_34	2010-02-08		Solids, Dissolved	1128	mg/L	
HCC-07	WW_34	2007-08-13		Solids, Dissolved	508	mg/L	
HCC-07	WW_34	2010-03-08		Solids, Dissolved	1664	mg/L	
HCC-07	WW_34	2009-12-14		Solids, Dissolved	852	mg/L	
HCC-07	WW_34	2010-01-11		Solids, Dissolved	682	mg/L	
HCC-07	WW_34	2007-07-09		Solids, Dissolved	824	mg/L	
HCC-07	WW_34	2010-04-12		Solids, Dissolved	922	mg/L	
HCC-07	WW_34	2008-05-12		Solids, Dissolved	742	mg/L	
HCC-07	WW_34	2008-09-08		Solids, Dissolved	528	mg/L	
HCC-07	WW_34	2002-05-13		Solids, Dissolved	474	mg/L	
HCC-07	WW_34	2002-02-11		Solids, Dissolved	820	mg/L	
HCC-07	WW_34	2003-11-10		Solids, Dissolved	524	mg/L	
HCC-07	WW_34	2001-06-11		Solids, Dissolved	682	mg/L	
HCC-07	WW_34	2001-03-12		Solids, Dissolved	992	mg/L	
HCC-07	WW_34	2002-06-10		Solids, Dissolved	424	mg/L	
HCC-07	WW_34	2003-03-10		Solids, Dissolved	2500	mg/L	
HCC-07	WW_34	2003-06-09		Solids, Dissolved	602	mg/L	
HCC-07	WW_34	2004-01-12		Solids, Dissolved	752	mg/L	
HCC-07	WW_34	2001-10-08		Solids, Dissolved	450	mg/L	
HCC-07	WW_34	2002-03-11		Solids, Dissolved	996	mg/L	
HCC-07	WW_34	2004-02-09		Solids, Dissolved	2256	mg/L	
HCC-07	WW_34	2003-05-12		Solids, Dissolved	1064	mg/L	
HCC-07	WW_34	2003-12-08		Solids, Dissolved	550	mg/L	
HCC-07	WW_34	2003-04-14		Solids, Dissolved	906	mg/L	
HCC-07	WW_34	2004-03-08		Solids, Dissolved	854	mg/L	
HCC-07	WW_34	2001-07-09		Solids, Dissolved	486	mg/L	
HCC-07	WW_34	2002-04-08		Solids, Dissolved	902	mg/L	
HCC-07	WW_34	2001-08-13		Solids, Dissolved	528	mg/L	
HCC-07	WW_34	2001-09-10		Solids, Dissolved	394	mg/L	
HCC-07	WW_34	2003-09-08		Solids, Dissolved	562	mg/L	
HCC-07	WW_34	2004-05-10		Solids, Dissolved	990	mg/L	
HCC-07	WW_34	2001-05-14		Solids, Dissolved	770	mg/L	
HCC-07	WW_34	2002-11-12		Solids, Dissolved	562	mg/L	
HCC-07	WW_34	2002-08-12		Solids, Dissolved	544	mg/L	
HCC-07	WW_34	2003-07-14		Solids, Dissolved	708	mg/L	
HCC-07	WW_34	2001-04-09		Solids, Dissolved	1024	mg/L	
HCC-07	WW_34	2002-10-14		Solids, Dissolved	494	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-08-11		Solids, Dissolved	594	mg/L	
HCC-07	WW_34	2002-09-09		Solids, Dissolved	538	mg/L	
HCC-07	WW_34	2001-12-10		Solids, Dissolved	288	mg/L	
HCC-07	WW_34	2001-11-13		Solids, Dissolved	480	mg/L	
HCC-07	WW_34	2003-10-13		Solids, Dissolved	586	mg/L	
HCC-07	WW_34	2002-07-08		Solids, Dissolved	560	mg/L	
HCC-07	WW_34	2003-01-13		Solids, Dissolved	858	mg/L	
HCC-07	WW_34	2002-12-09		Solids, Dissolved	1038	mg/L	
HCC-07	WW_34	2004-04-12		Solids, Dissolved	836	mg/L	
HCC-07	WW_34	2002-01-14		Solids, Dissolved	544	mg/L	
HCC-07	WW_96	2014-06-09		Solids, Dissolved	850	mg/L	
HCC-07	WW_96	2012-03-12		Solids, Dissolved	1092	mg/L	
HCC-07	WW_96	2010-12-13		Solids, Dissolved	1296	mg/L	
HCC-07	WW_96	2014-03-10		Solids, Dissolved	1788	mg/L	
HCC-07	WW_96	2014-04-14		Solids, Dissolved	1048	mg/L	
HCC-07	WW_96	2014-05-12		Solids, Dissolved	974	mg/L	
HCC-07	WW_96	2011-09-12		Solids, Dissolved	638	mg/L	
HCC-07	WW_96	2010-10-11		Solids, Dissolved	606	mg/L	
HCC-07	WW_96	2012-01-17		Solids, Dissolved	1516	mg/L	
HCC-07	WW_96	2014-10-13		Solids, Dissolved	690	mg/L	
HCC-07	WW_96	2014-12-08		Solids, Dissolved	658	mg/L	
HCC-07	WW_96	2014-11-10		Solids, Dissolved	668	mg/L	
HCC-07	WW_96	2011-11-14		Solids, Dissolved	554	mg/L	
HCC-07	WW_96	2011-12-12		Solids, Dissolved	650	mg/L	
HCC-07	WW_96	2014-07-14		Solids, Dissolved	514	mg/L	
HCC-07	WW_96	2012-02-14		Solids, Dissolved	1134	mg/L	
HCC-07	WW_96	2010-11-08		Solids, Dissolved	610	mg/L	
HCC-07	WW_96	2014-09-15		Solids, Dissolved	586	mg/L	
HCC-07	WW_96	2011-10-10		Solids, Dissolved	576	mg/L	
HCC-07	WW_96	2014-08-11		Solids, Dissolved	794	mg/L	
HCC-07	WW_96	2013-04-08		Solids, Dissolved	1022	mg/L	
HCC-07	WW_96	2011-05-09		Solids, Dissolved	932	mg/L	
HCC-07	WW_96	2012-09-10		Solids, Dissolved	556	mg/L	
HCC-07	WW_96	2013-06-10		Solids, Dissolved	884	mg/L	
HCC-07	WW_96	2011-01-10		Solids, Dissolved	1140	mg/L	
HCC-07	WW_96	2013-05-13		Solids, Dissolved	770	mg/L	
HCC-07	WW_96	2012-08-13		Solids, Dissolved	550	mg/L	
HCC-07	WW_96	2011-03-14		Solids, Dissolved	1086	mg/L	
HCC-07	WW_96	2013-01-14		Solids, Dissolved	748	mg/L	
HCC-07	WW_96	2011-04-11		Solids, Dissolved	946	mg/L	
HCC-07	WW_96	2012-11-13		Solids, Dissolved	490	mg/L	
HCC-07	WW_96	2012-12-10		Solids, Dissolved	468	mg/L	
HCC-07	WW_96	2012-10-08		Solids, Dissolved	562	mg/L	
HCC-07	WW_96	2013-03-11		Solids, Dissolved	828	mg/L	
HCC-07	WW_96	2013-02-11		Solids, Dissolved	1238	mg/L	
HCC-07	WW_96	2013-12-09		Solids, Dissolved	688	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2012-05-14		Solids, Dissolved	810	mg/L	
HCC-07	WW_96	2013-11-12		Solids, Dissolved	586	mg/L	
HCC-07	WW_96	2011-07-11		Solids, Dissolved	812	mg/L	
HCC-07	WW_96	2011-08-08		Solids, Dissolved	432	mg/L	
HCC-07	WW_96	2014-01-13		Solids, Dissolved	1552	mg/L	
HCC-07	WW_96	2013-08-12		Solids, Dissolved	672	mg/L	
HCC-07	WW_96	2012-07-16		Solids, Dissolved	556	mg/L	
HCC-07	WW_96	2011-06-13		Solids, Dissolved	664	mg/L	
HCC-07	WW_96	2013-07-15		Solids, Dissolved	692	mg/L	
HCC-07	WW_96	2013-10-14		Solids, Dissolved	572	mg/L	
HCC-07	WW_96	2012-06-11		Solids, Dissolved	812	mg/L	
HCC-07	WW_96	2012-04-09		Solids, Dissolved	888	mg/L	
HCC-07	WW_96	2013-09-16		Solids, Dissolved	372	mg/L	
HCC-07	WW_96	2004-10-11		Solids, Dissolved	452	mg/L	
HCC-07	WW_96	2005-04-11		Solids, Dissolved	1010	mg/L	
HCC-07	WW_96	2004-11-08		Solids, Dissolved	490	mg/L	
HCC-07	WW_96	2005-05-09		Solids, Dissolved	940	mg/L	
HCC-07	WW_96	2004-12-13		Solids, Dissolved	616	mg/L	
HCC-07	WW_96	2004-07-12		Solids, Dissolved	500	mg/L	
HCC-07	WW_96	2005-07-11		Solids, Dissolved	858	mg/L	
HCC-07	WW_96	2005-02-14		Solids, Dissolved	1082	mg/L	
HCC-07	WW_96	2005-08-08		Solids, Dissolved	714	mg/L	
HCC-07	WW_96	2004-06-14		Solids, Dissolved	544	mg/L	
HCC-07	WW_96	2005-01-10		Solids, Dissolved	1396	mg/L	
HCC-07	WW_96	2004-09-13		Solids, Dissolved	610	mg/L	
HCC-07	WW_96	2005-06-13		Solids, Dissolved	720	mg/L	
HCC-07	WW_96	2005-03-14		Solids, Dissolved	1412	mg/L	
HCC-07	WW_96	2005-09-12		Solids, Dissolved	658	mg/L	
HCC-07	WW_96	2004-08-09		Solids, Dissolved	578	mg/L	
HCC-07	WW_96	2005-10-10		Solids, Dissolved	708	mg/L	
HCC-07	WW_96	2007-03-12		Solids, Dissolved	922	mg/L	
HCC-07	WW_96	2010-04-12		Solids, Dissolved	990	mg/L	
HCC-07	WW_96	2006-08-14		Solids, Dissolved	712	mg/L	
HCC-07	WW_96	2007-07-09		Solids, Dissolved	742	mg/L	
HCC-07	WW_96	2008-07-14		Solids, Dissolved	574	mg/L	
HCC-07	WW_96	2010-03-08		Solids, Dissolved	1724	mg/L	
HCC-07	WW_96	2006-01-09		Solids, Dissolved	1276	mg/L	
HCC-07	WW_96	2008-10-13		Solids, Dissolved	642	mg/L	
HCC-07	WW_96	2010-09-13		Solids, Dissolved	574	mg/L	
HCC-07	WW_96	2006-10-09		Solids, Dissolved	470	mg/L	
HCC-07	WW_96	2006-09-11		Solids, Dissolved	508	mg/L	
HCC-07	WW_96	2005-11-14		Solids, Dissolved	588	mg/L	
HCC-07	WW_96	2008-08-11		Solids, Dissolved	668	mg/L	
HCC-07	WW_96	2010-07-12		Solids, Dissolved	418	mg/L	
HCC-07	WW_96	2008-06-09		Solids, Dissolved	402	mg/L	
HCC-07	WW_96	2010-05-10		Solids, Dissolved	862	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2007-04-09		Solids, Dissolved	1032	mg/L	
HCC-07	WW_96	2010-06-14		Solids, Dissolved	690	mg/L	
HCC-07	WW_96	2007-05-14		Solids, Dissolved	948	mg/L	
HCC-07	WW_96	2007-06-11		Solids, Dissolved	908	mg/L	
HCC-07	WW_96	2008-09-08		Solids, Dissolved	484	mg/L	
HCC-07	WW_96	2010-08-09		Solids, Dissolved	636	mg/L	
HCC-07	WW_96	2008-05-12		Solids, Dissolved	700	mg/L	
HCC-07	WW_96	2008-02-11		Solids, Dissolved	2138	mg/L	
HCC-07	WW_96	2009-03-09		Solids, Dissolved	404	mg/L	
HCC-07	WW_96	2006-04-10		Solids, Dissolved	904	mg/L	
HCC-07	WW_96	2007-11-13		Solids, Dissolved	590	mg/L	
HCC-07	WW_96	2006-06-12		Solids, Dissolved	644	mg/L	
HCC-07	WW_96	2009-08-10		Solids, Dissolved	604	mg/L	
HCC-07	WW_96	2009-02-09		Solids, Dissolved	1100	mg/L	
HCC-07	WW_96	2007-10-08		Solids, Dissolved	628	mg/L	
HCC-07	WW_96	2009-04-13		Solids, Dissolved	932	mg/L	
HCC-07	WW_96	2009-05-11		Solids, Dissolved	720	mg/L	
HCC-07	WW_96	2006-12-11		Solids, Dissolved	758	mg/L	
HCC-07	WW_96	2008-01-14		Solids, Dissolved	1262	mg/L	
HCC-07	WW_96	2006-05-08		Solids, Dissolved	874	mg/L	
HCC-07	WW_96	2009-06-08		Solids, Dissolved	876	mg/L	
HCC-07	WW_96	2007-12-10		Solids, Dissolved	1788	mg/L	
HCC-07	WW_96	2009-07-13		Solids, Dissolved	704	mg/L	
HCC-07	WW_96	2009-12-14		Solids, Dissolved	818	mg/L	
HCC-07	WW_96	2006-02-14		Solids, Dissolved	1216	mg/L	
HCC-07	WW_96	2006-07-10		Solids, Dissolved	648	mg/L	
HCC-07	WW_96	2008-12-08		Solids, Dissolved	1230	mg/L	
HCC-07	WW_96	2010-02-08		Solids, Dissolved	1146	mg/L	
HCC-07	WW_96	2008-04-14		Solids, Dissolved	724	mg/L	
HCC-07	WW_96	2009-11-09		Solids, Dissolved	594	mg/L	
HCC-07	WW_96	2008-11-10		Solids, Dissolved	606	mg/L	
HCC-07	WW_96	2007-08-13		Solids, Dissolved	500	mg/L	
HCC-07	WW_96	2009-01-12		Solids, Dissolved	1196	mg/L	
HCC-07	WW_96	2007-01-08		Solids, Dissolved	586	mg/L	
HCC-07	WW_96	2006-03-13		Solids, Dissolved	704	mg/L	
HCC-07	WW_96	2009-09-14		Solids, Dissolved	560	mg/L	
HCC-07	WW_96	2006-11-13		Solids, Dissolved	566	mg/L	
HCC-07	WW_96	2009-10-12		Solids, Dissolved	500	mg/L	
HCC-07	WW_96	2008-03-10		Solids, Dissolved	1170	mg/L	
HCC-07	WW_96	2007-09-10		Solids, Dissolved	560	mg/L	
HCC-07	WW_96	2002-10-14		Solids, Dissolved	474	mg/L	
HCC-07	WW_96	2003-05-12		Solids, Dissolved	539	mg/L	
HCC-07	WW_96	2002-09-09		Solids, Dissolved	538	mg/L	
HCC-07	WW_96	2003-08-11		Solids, Dissolved	610	mg/L	
HCC-07	WW_96	2001-04-09		Solids, Dissolved	632	mg/L	
HCC-07	WW_96	2002-12-09		Solids, Dissolved	1338	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2003-06-09		Solids, Dissolved	698	mg/L	
HCC-07	WW_96	2003-01-13		Solids, Dissolved	826	mg/L	
HCC-07	WW_96	2001-03-12		Solids, Dissolved	1140	mg/L	
HCC-07	WW_96	2003-04-14		Solids, Dissolved	764	mg/L	
HCC-07	WW_96	2003-07-14		Solids, Dissolved	696	mg/L	
HCC-07	WW_96	2002-11-12		Solids, Dissolved	592	mg/L	
HCC-07	WW_96	2004-03-08		Solids, Dissolved	866	mg/L	
HCC-07	WW_96	2002-02-11		Solids, Dissolved	918	mg/L	
HCC-07	WW_96	2002-01-14		Solids, Dissolved	586	mg/L	
HCC-07	WW_96	2002-03-11		Solids, Dissolved	944	mg/L	
HCC-07	WW_96	2001-08-13		Solids, Dissolved	440	mg/L	
HCC-07	WW_96	2001-11-13		Solids, Dissolved	538	mg/L	
HCC-07	WW_96	2004-05-10		Solids, Dissolved	870	mg/L	
HCC-07	WW_96	2001-10-08		Solids, Dissolved	486	mg/L	
HCC-07	WW_96	2001-09-10		Solids, Dissolved	262	mg/L	
HCC-07	WW_96	2004-04-12		Solids, Dissolved	902	mg/L	
HCC-07	WW_96	2001-12-10		Solids, Dissolved	602	mg/L	
HCC-07	WW_96	2002-07-08		Solids, Dissolved	696	mg/L	
HCC-07	WW_96	2003-10-13		Solids, Dissolved	484	mg/L	
HCC-07	WW_96	2002-06-10		Solids, Dissolved	414	mg/L	
HCC-07	WW_96	2001-06-11		Solids, Dissolved	652	mg/L	
HCC-07	WW_96	2001-05-14		Solids, Dissolved	676	mg/L	
HCC-07	WW_96	2003-09-08		Solids, Dissolved	526	mg/L	
HCC-07	WW_96	2002-08-12		Solids, Dissolved	630	mg/L	
HCC-07	WW_96	2002-04-08		Solids, Dissolved	846	mg/L	
HCC-07	WW_96	2003-12-08		Solids, Dissolved	616	mg/L	
HCC-07	WW_96	2001-07-09		Solids, Dissolved	398	mg/L	
HCC-07	WW_96	2004-01-12		Solids, Dissolved	852	mg/L	
HCC-07	WW_96	2003-11-10		Solids, Dissolved	544	mg/L	
HCC-07	WW_96	2002-05-13		Solids, Dissolved	420	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Solids, Dissolved	802	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Solids, Dissolved	839	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Solids, Dissolved	530	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Solids, Dissolved	1195	mg/L	
HCCB-05	WW_106	2011-11-14		Solids, Dissolved	700	mg/L	
HCCB-05	WW_106	2010-10-11		Solids, Dissolved	716	mg/L	
HCCB-05	WW_106	2012-03-12		Solids, Dissolved	1308	mg/L	
HCCB-05	WW_106	2012-01-17		Solids, Dissolved	2310	mg/L	
HCCB-05	WW_106	2010-12-13		Solids, Dissolved	1972	mg/L	
HCCB-05	WW_106	2010-11-08		Solids, Dissolved	592	mg/L	
HCCB-05	WW_106	2012-02-14		Solids, Dissolved	1726	mg/L	
HCCB-05	WW_106	2011-12-12		Solids, Dissolved	828	mg/L	
HCCB-05	WW_106	2012-05-14		Solids, Dissolved	1018	mg/L	
HCCB-05	WW_106	2011-03-14		Solids, Dissolved	1470	mg/L	
HCCB-05	WW_106	2011-07-11		Solids, Dissolved	854	mg/L	
HCCB-05	WW_106	2011-05-09		Solids, Dissolved	1208	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-04-11		Solids, Dissolved	1266	mg/L	
HCCB-05	WW_106	2011-06-13		Solids, Dissolved	1106	mg/L	
HCCB-05	WW_106	2012-07-16		Solids, Dissolved	868	mg/L	
HCCB-05	WW_106	2011-08-08		Solids, Dissolved	442	mg/L	
HCCB-05	WW_106	2011-02-14		Solids, Dissolved	3628	mg/L	
HCCB-05	WW_106	2011-01-10		Solids, Dissolved	1078	mg/L	
HCCB-05	WW_106	2004-03-08		Solids, Dissolved	1206	mg/L	
HCCB-05	WW_106	2001-09-10		Solids, Dissolved	512	mg/L	
HCCB-05	WW_106	2002-02-11		Solids, Dissolved	1068	mg/L	
HCCB-05	WW_106	2004-10-11		Solids, Dissolved	612	mg/L	
HCCB-05	WW_106	2005-02-14		Solids, Dissolved	1200	mg/L	
HCCB-05	WW_106	2001-03-12		Solids, Dissolved	1364	mg/L	
HCCB-05	WW_106	2004-05-10		Solids, Dissolved	1216	mg/L	
HCCB-05	WW_106	2003-05-12		Solids, Dissolved	680	mg/L	
HCCB-05	WW_106	2001-04-09		Solids, Dissolved	732	mg/L	
HCCB-05	WW_106	2004-04-12		Solids, Dissolved	984	mg/L	
HCCB-05	WW_106	2004-11-08		Solids, Dissolved	676	mg/L	
HCCB-05	WW_106	2005-08-08		Solids, Dissolved	630	mg/L	
HCCB-05	WW_106	2004-06-14		Solids, Dissolved	800	mg/L	
HCCB-05	WW_106	2003-07-14		Solids, Dissolved	512	mg/L	
HCCB-05	WW_106	2002-03-11		Solids, Dissolved	1114	mg/L	
HCCB-05	WW_106	2003-10-13		Solids, Dissolved	592	mg/L	
HCCB-05	WW_106	2002-06-10		Solids, Dissolved	598	mg/L	
HCCB-05	WW_106	2004-02-09		Solids, Dissolved	2888	mg/L	
HCCB-05	WW_106	2001-06-11		Solids, Dissolved	896	mg/L	
HCCB-05	WW_106	2005-03-14		Solids, Dissolved	1666	mg/L	
HCCB-05	WW_106	2002-04-08		Solids, Dissolved	1256	mg/L	
HCCB-05	WW_106	2002-08-12		Solids, Dissolved	672	mg/L	
HCCB-05	WW_106	2001-05-14		Solids, Dissolved	966	mg/L	
HCCB-05	WW_106	2002-05-13		Solids, Dissolved	606	mg/L	
HCCB-05	WW_106	2004-01-12		Solids, Dissolved	1570	mg/L	
HCCB-05	WW_106	2007-12-10		Solids, Dissolved	4010	mg/L	
HCCB-05	WW_106	2006-01-09		Solids, Dissolved	1332	mg/L	
HCCB-05	WW_106	2009-08-10		Solids, Dissolved	704	mg/L	
HCCB-05	WW_106	2009-05-11		Solids, Dissolved	1050	mg/L	
HCCB-05	WW_106	2008-05-12		Solids, Dissolved	1180	mg/L	
HCCB-05	WW_106	2010-03-08		Solids, Dissolved	2324	mg/L	
HCCB-05	WW_106	2008-04-14		Solids, Dissolved	906	mg/L	
HCCB-05	WW_106	2008-03-10		Solids, Dissolved	1382	mg/L	
HCCB-05	WW_106	2009-12-14		Solids, Dissolved	1192	mg/L	
HCCB-05	WW_106	2008-11-10		Solids, Dissolved	734	mg/L	
HCCB-05	WW_106	2008-09-08		Solids, Dissolved	698	mg/L	
HCCB-05	WW_106	2010-08-09		Solids, Dissolved	352	mg/L	
HCCB-05	WW_106	2007-01-08		Solids, Dissolved	628	mg/L	
HCCB-05	WW_106	2009-11-09		Solids, Dissolved	768	mg/L	
HCCB-05	WW_106	2010-09-13		Solids, Dissolved	772	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-06-08		Solids, Dissolved	324	mg/L	
HCCB-05	WW_106	2010-02-08		Solids, Dissolved	1540	mg/L	
HCCB-05	WW_106	2008-07-14		Solids, Dissolved	790	mg/L	
HCCB-05	WW_106	2009-03-09		Solids, Dissolved	788	mg/L	
HCCB-05	WW_106	2007-03-12		Solids, Dissolved	1000	mg/L	
HCCB-05	WW_106	2009-09-14		Solids, Dissolved	692	mg/L	
HCCB-05	WW_106	2005-11-14		Solids, Dissolved	576	mg/L	
HCCB-05	WW_106	2006-09-11		Solids, Dissolved	274	mg/L	
HCCB-05	WW_106	2008-10-13		Solids, Dissolved	818	mg/L	
HCCB-05	WW_106	2008-01-14		Solids, Dissolved	1380	mg/L	
HCCB-05	WW_106	2008-08-11		Solids, Dissolved	788	mg/L	
HCCB-05	WW_106	2009-02-09		Solids, Dissolved	1492	mg/L	
HCCB-05	WW_106	2009-01-12		Solids, Dissolved	1552	mg/L	
HCCB-05	WW_106	2010-07-12		Solids, Dissolved	616	mg/L	
HCCB-05	WW_106	2008-12-08		Solids, Dissolved	1322	mg/L	
HCCB-05	WW_106	2009-04-13		Solids, Dissolved	1230	mg/L	
HCCB-05	WW_106	2006-03-13		Solids, Dissolved	710	mg/L	
HCCB-05	WW_106	2008-06-09		Solids, Dissolved	622	mg/L	
HCCB-05	WW_106	2006-10-09		Solids, Dissolved	570	mg/L	
HCCB-05	WW_106	2010-04-12		Solids, Dissolved	1220	mg/L	
HCCB-05	WW_106	2009-10-12		Solids, Dissolved	714	mg/L	
HCCB-05	WW_106	2006-12-11		Solids, Dissolved	1148	mg/L	
HCCB-05	WW_106	2010-05-10		Solids, Dissolved	1246	mg/L	
HCCB-05	WW_106	2007-08-13		Solids, Dissolved	670	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Solids, Dissolved	617	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Solids, Dissolved	310	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Solids, Dissolved	1085	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Solids, Dissolved	552	mg/L	
HCCC-02	WW_31	2011-11-14		Solids, Dissolved	562	mg/L	
HCCC-02	WW_31	2011-04-11		Solids, Dissolved	980	mg/L	
HCCC-02	WW_31	2010-10-11		Solids, Dissolved	672	mg/L	
HCCC-02	WW_31	2010-11-08		Solids, Dissolved	584	mg/L	
HCCC-02	WW_31	2011-03-14		Solids, Dissolved	970	mg/L	
HCCC-02	WW_31	2011-10-10		Solids, Dissolved	604	mg/L	
HCCC-02	WW_31	2011-07-11		Solids, Dissolved	890	mg/L	
HCCC-02	WW_31	2011-05-09		Solids, Dissolved	922	mg/L	
HCCC-02	WW_31	2011-06-13		Solids, Dissolved	752	mg/L	
HCCC-02	WW_31	2011-08-08		Solids, Dissolved	326	mg/L	
HCCC-02	WW_31	2012-03-12		Solids, Dissolved	1010	mg/L	
HCCC-02	WW_31	2011-12-12		Solids, Dissolved	718	mg/L	
HCCC-02	WW_31	2012-04-09		Solids, Dissolved	1010	mg/L	
HCCC-02	WW_31	2012-07-16		Solids, Dissolved	712	mg/L	
HCCC-02	WW_31	2012-05-14		Solids, Dissolved	808	mg/L	
HCCC-02	WW_31	2005-09-12		Solids, Dissolved	616	mg/L	
HCCC-02	WW_31	2005-07-11		Solids, Dissolved	1162	mg/L	
HCCC-02	WW_31	2005-05-09		Solids, Dissolved	960	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2005-08-08		Solids, Dissolved	876	mg/L	
HCCC-02	WW_31	2005-06-13		Solids, Dissolved	772	mg/L	
HCCC-02	WW_31	2004-12-13		Solids, Dissolved	674	mg/L	
HCCC-02	WW_31	2004-07-12		Solids, Dissolved	508	mg/L	
HCCC-02	WW_31	2005-03-14		Solids, Dissolved	1003	mg/L	
HCCC-02	WW_31	2004-11-08		Solids, Dissolved	657	mg/L	
HCCC-02	WW_31	2004-09-13		Solids, Dissolved	680	mg/L	
HCCC-02	WW_31	2005-04-11		Solids, Dissolved	1070	mg/L	
HCCC-02	WW_31	2004-08-09		Solids, Dissolved	530	mg/L	
HCCC-02	WW_31	2004-10-11		Solids, Dissolved	524	mg/L	
HCCC-02	WW_31	2004-06-14		Solids, Dissolved	466	mg/L	
HCCC-02	WW_31	2005-02-14		Solids, Dissolved	605	mg/L	
HCCC-02	WW_31	2005-10-10		Solids, Dissolved	916	mg/L	
HCCC-02	WW_31	2006-12-11		Solids, Dissolved	724	mg/L	
HCCC-02	WW_31	2008-01-14		Solids, Dissolved	1066	mg/L	
HCCC-02	WW_31	2010-09-13		Solids, Dissolved	546	mg/L	
HCCC-02	WW_31	2009-11-09		Solids, Dissolved	638	mg/L	
HCCC-02	WW_31	2009-10-12		Solids, Dissolved	578	mg/L	
HCCC-02	WW_31	2010-05-10		Solids, Dissolved	1098	mg/L	
HCCC-02	WW_31	2007-08-13		Solids, Dissolved	650	mg/L	
HCCC-02	WW_31	2010-04-12		Solids, Dissolved	1088	mg/L	
HCCC-02	WW_31	2007-06-11		Solids, Dissolved	1082	mg/L	
HCCC-02	WW_31	2010-07-12		Solids, Dissolved	550	mg/L	
HCCC-02	WW_31	2007-07-09		Solids, Dissolved	1062	mg/L	
HCCC-02	WW_31	2005-11-14		Solids, Dissolved	660	mg/L	
HCCC-02	WW_31	2007-09-10		Solids, Dissolved	520	mg/L	
HCCC-02	WW_31	2007-03-12		Solids, Dissolved	660	mg/L	
HCCC-02	WW_31	2010-06-14		Solids, Dissolved	870	mg/L	
HCCC-02	WW_31	2007-04-09		Solids, Dissolved	940	mg/L	
HCCC-02	WW_31	2009-12-14		Solids, Dissolved	794	mg/L	
HCCC-02	WW_31	2007-11-13		Solids, Dissolved	572	mg/L	
HCCC-02	WW_31	2010-03-08		Solids, Dissolved	1590	mg/L	
HCCC-02	WW_31	2010-08-09		Solids, Dissolved	504	mg/L	
HCCC-02	WW_31	2007-10-08		Solids, Dissolved	666	mg/L	
HCCC-02	WW_31	2007-01-08		Solids, Dissolved	602	mg/L	
HCCC-02	WW_31	2007-05-14		Solids, Dissolved	1050	mg/L	
HCCC-02	WW_31	2006-01-09		Solids, Dissolved	1140	mg/L	
HCCC-02	WW_31	2009-03-09		Solids, Dissolved	438	mg/L	
HCCC-02	WW_31	2006-07-10		Solids, Dissolved	906	mg/L	
HCCC-02	WW_31	2009-07-13		Solids, Dissolved	774	mg/L	
HCCC-02	WW_31	2008-05-12		Solids, Dissolved	688	mg/L	
HCCC-02	WW_31	2006-11-13		Solids, Dissolved	576	mg/L	
HCCC-02	WW_31	2009-05-11		Solids, Dissolved	782	mg/L	
HCCC-02	WW_31	2009-06-08		Solids, Dissolved	346	mg/L	
HCCC-02	WW_31	2006-06-12		Solids, Dissolved	708	mg/L	
HCCC-02	WW_31	2008-08-11		Solids, Dissolved	772	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2006-04-10		Solids, Dissolved	936	mg/L	
HCCC-02	WW_31	2008-07-14		Solids, Dissolved	836	mg/L	
HCCC-02	WW_31	2008-04-14		Solids, Dissolved	654	mg/L	
HCCC-02	WW_31	2006-09-11		Solids, Dissolved	316	mg/L	
HCCC-02	WW_31	2006-03-13		Solids, Dissolved	348	mg/L	
HCCC-02	WW_31	2009-04-13		Solids, Dissolved	994	mg/L	
HCCC-02	WW_31	2006-08-14		Solids, Dissolved	826	mg/L	
HCCC-02	WW_31	2008-10-13		Solids, Dissolved	630	mg/L	
HCCC-02	WW_31	2008-06-09		Solids, Dissolved	424	mg/L	
HCCC-02	WW_31	2009-09-14		Solids, Dissolved	548	mg/L	
HCCC-02	WW_31	2008-11-10		Solids, Dissolved	592	mg/L	
HCCC-02	WW_31	2006-05-08		Solids, Dissolved	840	mg/L	
HCCC-02	WW_31	2009-08-10		Solids, Dissolved	482	mg/L	
HCCC-02	WW_31	2006-10-09		Solids, Dissolved	648	mg/L	
HCCC-02	WW_31	2008-09-08		Solids, Dissolved	794	mg/L	
HCCC-02	WW_31	2008-03-10		Solids, Dissolved	1306	mg/L	
HCCC-02	WW_31	2001-08-13		Solids, Dissolved	544	mg/L	
HCCC-02	WW_31	2002-06-10		Solids, Dissolved	634	mg/L	
HCCC-02	WW_31	2001-07-09		Solids, Dissolved	582	mg/L	
HCCC-02	WW_31	2002-05-13		Solids, Dissolved	530	mg/L	
HCCC-02	WW_31	2003-04-14		Solids, Dissolved	1040	mg/L	
HCCC-02	WW_31	2001-03-12		Solids, Dissolved	896	mg/L	
HCCC-02	WW_31	2002-04-08		Solids, Dissolved	820	mg/L	
HCCC-02	WW_31	2001-12-10		Solids, Dissolved	604	mg/L	
HCCC-02	WW_31	2001-11-13		Solids, Dissolved	556	mg/L	
HCCC-02	WW_31	2002-02-11		Solids, Dissolved	670	mg/L	
HCCC-02	WW_31	2002-03-11		Solids, Dissolved	786	mg/L	
HCCC-02	WW_31	2001-05-14		Solids, Dissolved	812	mg/L	
HCCC-02	WW_31	2001-09-10		Solids, Dissolved	404	mg/L	
HCCC-02	WW_31	2002-10-14		Solids, Dissolved	572	mg/L	
HCCC-02	WW_31	2002-09-09		Solids, Dissolved	680	mg/L	
HCCC-02	WW_31	2001-06-11		Solids, Dissolved	768	mg/L	
HCCC-02	WW_31	2001-10-08		Solids, Dissolved	512	mg/L	
HCCC-02	WW_31	2002-07-08		Solids, Dissolved	656	mg/L	
HCCC-02	WW_31	2002-11-12		Solids, Dissolved	574	mg/L	
HCCC-02	WW_31	2001-04-09		Solids, Dissolved	804	mg/L	
HCCC-02	WW_31	2002-08-12		Solids, Dissolved	704	mg/L	
HCCC-02	WW_31	2003-09-08		Solids, Dissolved	550	mg/L	
HCCC-02	WW_31	2004-05-10		Solids, Dissolved	699	mg/L	
HCCC-02	WW_31	2003-11-10		Solids, Dissolved	612	mg/L	
HCCC-02	WW_31	2003-06-09		Solids, Dissolved	600	mg/L	
HCCC-02	WW_31	2004-04-12		Solids, Dissolved	760	mg/L	
HCCC-02	WW_31	2003-10-13		Solids, Dissolved	548	mg/L	
HCCC-02	WW_31	2003-07-14		Solids, Dissolved	820	mg/L	
HCCC-02	WW_31	2003-08-11		Solids, Dissolved	640	mg/L	
HCCC-02	WW_31	2003-05-12		Solids, Dissolved	528	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2003-12-08		Solids, Dissolved	658	mg/L	
HCCC-02	WW_31	2004-03-08		Solids, Dissolved	740	mg/L	
HCCC-04	WW_103	2011-05-09		Solids, Dissolved	1292	mg/L	
HCCC-04	WW_103	2011-11-14		Solids, Dissolved	676	mg/L	
HCCC-04	WW_103	2012-07-16		Solids, Dissolved	500	mg/L	
HCCC-04	WW_103	2012-01-17		Solids, Dissolved	1896	mg/L	
HCCC-04	WW_103	2011-12-12		Solids, Dissolved	806	mg/L	
HCCC-04	WW_103	2011-06-13		Solids, Dissolved	834	mg/L	
HCCC-04	WW_103	2012-03-12		Solids, Dissolved	1216	mg/L	
HCCC-04	WW_103	2011-07-11		Solids, Dissolved	988	mg/L	
HCCC-04	WW_103	2011-09-12		Solids, Dissolved	626	mg/L	
HCCC-04	WW_103	2012-05-14		Solids, Dissolved	1022	mg/L	
HCCC-04	WW_103	2011-08-08		Solids, Dissolved	344	mg/L	
HCCC-04	WW_103	2012-02-14		Solids, Dissolved	1594	mg/L	
HCCC-04	WW_103	2012-04-09		Solids, Dissolved	908	mg/L	
HCCC-04	WW_103	2011-10-10		Solids, Dissolved	716	mg/L	
HCCC-04	WW_103	2012-06-11		Solids, Dissolved	940	mg/L	
HCCC-04	WW_103	2011-03-14		Solids, Dissolved	1396	mg/L	
HCCC-04	WW_103	2010-11-08		Solids, Dissolved	702	mg/L	
HCCC-04	WW_103	2011-02-14		Solids, Dissolved	2552	mg/L	
HCCC-04	WW_103	2010-10-11		Solids, Dissolved	678	mg/L	
HCCC-04	WW_103	2011-04-11		Solids, Dissolved	1200	mg/L	
HCCC-04	WW_103	2004-08-09		Solids, Dissolved	672	mg/L	
HCCC-04	WW_103	2002-04-08		Solids, Dissolved	1130	mg/L	
HCCC-04	WW_103	2003-12-08		Solids, Dissolved	746	mg/L	
HCCC-04	WW_103	2002-06-10		Solids, Dissolved	404	mg/L	
HCCC-04	WW_103	2001-06-11		Solids, Dissolved	836	mg/L	
HCCC-04	WW_103	2002-07-08		Solids, Dissolved	668	mg/L	
HCCC-04	WW_103	2001-07-09		Solids, Dissolved	552	mg/L	
HCCC-04	WW_103	2002-05-13		Solids, Dissolved	400	mg/L	
HCCC-04	WW_103	2003-11-10		Solids, Dissolved	612	mg/L	
HCCC-04	WW_103	2004-04-12		Solids, Dissolved	1178	mg/L	
HCCC-04	WW_103	2002-01-14		Solids, Dissolved	634	mg/L	
HCCC-04	WW_103	2001-10-08		Solids, Dissolved	496	mg/L	
HCCC-04	WW_103	2004-06-14		Solids, Dissolved	596	mg/L	
HCCC-04	WW_103	2001-11-13		Solids, Dissolved	576	mg/L	
HCCC-04	WW_103	2004-05-10		Solids, Dissolved	1082	mg/L	
HCCC-04	WW_103	2001-12-10		Solids, Dissolved	642	mg/L	
HCCC-04	WW_103	2002-03-11		Solids, Dissolved	1078	mg/L	
HCCC-04	WW_103	2004-07-12		Solids, Dissolved	530	mg/L	
HCCC-04	WW_103	2005-07-11		Solids, Dissolved	1082	mg/L	
HCCC-04	WW_103	2005-01-10		Solids, Dissolved	1856	mg/L	
HCCC-04	WW_103	2002-02-11		Solids, Dissolved	1226	mg/L	
HCCC-04	WW_103	2001-08-13		Solids, Dissolved	520	mg/L	
HCCC-04	WW_103	2001-09-10		Solids, Dissolved	442	mg/L	
HCCC-04	WW_103	2005-02-14		Solids, Dissolved	1194	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2004-03-08		Solids, Dissolved	1046	mg/L	
HCCC-04	WW_103	2001-04-09		Solids, Dissolved	986	mg/L	
HCCC-04	WW_103	2002-11-12		Solids, Dissolved	612	mg/L	
HCCC-04	WW_103	2003-07-14		Solids, Dissolved	786	mg/L	
HCCC-04	WW_103	2002-10-14		Solids, Dissolved	608	mg/L	
HCCC-04	WW_103	2003-08-11		Solids, Dissolved	686	mg/L	
HCCC-04	WW_103	2005-04-11		Solids, Dissolved	1412	mg/L	
HCCC-04	WW_103	2003-04-14		Solids, Dissolved	1428	mg/L	
HCCC-04	WW_103	2001-03-12		Solids, Dissolved	1176	mg/L	
HCCC-04	WW_103	2005-05-09		Solids, Dissolved	1228	mg/L	
HCCC-04	WW_103	2003-05-12		Solids, Dissolved	632	mg/L	
HCCC-04	WW_103	2004-11-08		Solids, Dissolved	606	mg/L	
HCCC-04	WW_103	2004-12-13		Solids, Dissolved	764	mg/L	
HCCC-04	WW_103	2003-06-09		Solids, Dissolved	650	mg/L	
HCCC-04	WW_103	2002-09-09		Solids, Dissolved	566	mg/L	
HCCC-04	WW_103	2002-08-12		Solids, Dissolved	604	mg/L	
HCCC-04	WW_103	2001-05-14		Solids, Dissolved	862	mg/L	
HCCC-04	WW_103	2003-09-08		Solids, Dissolved	572	mg/L	
HCCC-04	WW_103	2004-10-11		Solids, Dissolved	454	mg/L	
HCCC-04	WW_103	2005-06-13		Solids, Dissolved	976	mg/L	
HCCC-04	WW_103	2004-09-13		Solids, Dissolved	600	mg/L	
HCCC-04	WW_103	2005-03-14		Solids, Dissolved	2354	mg/L	
HCCC-04	WW_103	2005-09-12		Solids, Dissolved	698	mg/L	
HCCC-04	WW_103	2008-09-08		Solids, Dissolved	614	mg/L	
HCCC-04	WW_103	2008-11-10		Solids, Dissolved	610	mg/L	
HCCC-04	WW_103	2006-11-13		Solids, Dissolved	570	mg/L	
HCCC-04	WW_103	2008-06-09		Solids, Dissolved	486	mg/L	
HCCC-04	WW_103	2009-08-10		Solids, Dissolved	494	mg/L	
HCCC-04	WW_103	2008-10-13		Solids, Dissolved	702	mg/L	
HCCC-04	WW_103	2006-08-14		Solids, Dissolved	688	mg/L	
HCCC-04	WW_103	2008-03-10		Solids, Dissolved	1468	mg/L	
HCCC-04	WW_103	2009-04-13		Solids, Dissolved	1230	mg/L	
HCCC-04	WW_103	2006-10-09		Solids, Dissolved	430	mg/L	
HCCC-04	WW_103	2006-05-08		Solids, Dissolved	1080	mg/L	
HCCC-04	WW_103	2008-07-14		Solids, Dissolved	674	mg/L	
HCCC-04	WW_103	2006-09-11		Solids, Dissolved	444	mg/L	
HCCC-04	WW_103	2008-08-11		Solids, Dissolved	714	mg/L	
HCCC-04	WW_103	2008-04-14		Solids, Dissolved	872	mg/L	
HCCC-04	WW_103	2009-06-08		Solids, Dissolved	358	mg/L	
HCCC-04	WW_103	2009-02-09		Solids, Dissolved	1434	mg/L	
HCCC-04	WW_103	2006-06-12		Solids, Dissolved	724	mg/L	
HCCC-04	WW_103	2009-07-13		Solids, Dissolved	874	mg/L	
HCCC-04	WW_103	2009-05-11		Solids, Dissolved	888	mg/L	
HCCC-04	WW_103	2006-04-10		Solids, Dissolved	1178	mg/L	
HCCC-04	WW_103	2008-05-12		Solids, Dissolved	852	mg/L	
HCCC-04	WW_103	2009-03-09		Solids, Dissolved	556	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-07-10		Solids, Dissolved	750	mg/L	
HCCC-04	WW_103	2010-07-12		Solids, Dissolved	574	mg/L	
HCCC-04	WW_103	2007-12-10		Solids, Dissolved	3884	mg/L	
HCCC-04	WW_103	2009-11-09		Solids, Dissolved	782	mg/L	
HCCC-04	WW_103	2009-10-12		Solids, Dissolved	528	mg/L	
HCCC-04	WW_103	2006-12-11		Solids, Dissolved	878	mg/L	
HCCC-04	WW_103	2010-02-08		Solids, Dissolved	1896	mg/L	
HCCC-04	WW_103	2007-06-11		Solids, Dissolved	1024	mg/L	
HCCC-04	WW_103	2007-01-08		Solids, Dissolved	652	mg/L	
HCCC-04	WW_103	2007-10-08		Solids, Dissolved	556	mg/L	
HCCC-04	WW_103	2009-12-14		Solids, Dissolved	1238	mg/L	
HCCC-04	WW_103	2007-11-13		Solids, Dissolved	700	mg/L	
HCCC-04	WW_103	2010-06-14		Solids, Dissolved	772	mg/L	
HCCC-04	WW_103	2007-03-12		Solids, Dissolved	1048	mg/L	
HCCC-04	WW_103	2007-08-13		Solids, Dissolved	586	mg/L	
HCCC-04	WW_103	2010-05-10		Solids, Dissolved	1098	mg/L	
HCCC-04	WW_103	2006-02-14		Solids, Dissolved	1726	mg/L	
HCCC-04	WW_103	2005-11-14		Solids, Dissolved	508	mg/L	
HCCC-04	WW_103	2007-07-09		Solids, Dissolved	872	mg/L	
HCCC-04	WW_103	2010-03-08		Solids, Dissolved	2126	mg/L	
HCCC-04	WW_103	2007-05-14		Solids, Dissolved	1262	mg/L	
HCCC-04	WW_103	2005-10-10		Solids, Dissolved	712	mg/L	
HCCC-04	WW_103	2009-09-14		Solids, Dissolved	780	mg/L	
HCCC-04	WW_103	2007-04-09		Solids, Dissolved	1352	mg/L	
HCCC-04	WW_103	2007-09-10		Solids, Dissolved	540	mg/L	
HCCC-04	WW_103	2010-09-13		Solids, Dissolved	562	mg/L	
HCCC-04	WW_103	2006-03-13		Solids, Dissolved	690	mg/L	
HCCC-04	WW_103	2010-08-09		Solids, Dissolved	760	mg/L	
HCCC-04	WW_103	2006-01-09		Solids, Dissolved	1466	mg/L	
HCCC-04	WW_103	2010-04-12		Solids, Dissolved	1188	mg/L	
HCCC-04	WW_103	2008-01-14		Solids, Dissolved	1406	mg/L	
HCCC-04	WW_104	2012-06-11		Solids, Dissolved	650	mg/L	
HCCC-04	WW_104	2011-10-10		Solids, Dissolved	502	mg/L	
HCCC-04	WW_104	2011-06-13		Solids, Dissolved	652	mg/L	
HCCC-04	WW_104	2012-07-16		Solids, Dissolved	524	mg/L	
HCCC-04	WW_104	2010-11-08		Solids, Dissolved	452	mg/L	
HCCC-04	WW_104	2012-02-14		Solids, Dissolved	1000	mg/L	
HCCC-04	WW_104	2011-03-14		Solids, Dissolved	922	mg/L	
HCCC-04	WW_104	2010-12-13		Solids, Dissolved	850	mg/L	
HCCC-04	WW_104	2011-08-08		Solids, Dissolved	304	mg/L	
HCCC-04	WW_104	2012-04-09		Solids, Dissolved	760	mg/L	
HCCC-04	WW_104	2011-01-10		Solids, Dissolved	842	mg/L	
HCCC-04	WW_104	2011-07-11		Solids, Dissolved	356	mg/L	
HCCC-04	WW_104	2012-05-14		Solids, Dissolved	716	mg/L	
HCCC-04	WW_104	2012-03-12		Solids, Dissolved	974	mg/L	
HCCC-04	WW_104	2011-02-14		Solids, Dissolved	1216	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2011-09-12		Solids, Dissolved	554	mg/L	
HCCC-04	WW_104	2011-12-12		Solids, Dissolved	612	mg/L	
HCCC-04	WW_104	2011-04-11		Solids, Dissolved	870	mg/L	
HCCC-04	WW_104	2012-01-17		Solids, Dissolved	992	mg/L	
HCCC-04	WW_104	2011-05-09		Solids, Dissolved	784	mg/L	
HCCC-04	WW_104	2011-11-14		Solids, Dissolved	548	mg/L	
HCCC-04	WW_104	2010-10-11		Solids, Dissolved	536	mg/L	
HCCC-04	WW_104	2002-01-14		Solids, Dissolved	534	mg/L	
HCCC-04	WW_104	2004-04-12		Solids, Dissolved	718	mg/L	
HCCC-04	WW_104	2005-03-14		Solids, Dissolved	1166	mg/L	
HCCC-04	WW_104	2001-12-10		Solids, Dissolved	556	mg/L	
HCCC-04	WW_104	2004-05-10		Solids, Dissolved	518	mg/L	
HCCC-04	WW_104	2003-05-12		Solids, Dissolved	566	mg/L	
HCCC-04	WW_104	2005-06-13		Solids, Dissolved	668	mg/L	
HCCC-04	WW_104	2002-08-12		Solids, Dissolved	492	mg/L	
HCCC-04	WW_104	2003-04-14		Solids, Dissolved	950	mg/L	
HCCC-04	WW_104	2005-04-11		Solids, Dissolved	902	mg/L	
HCCC-04	WW_104	2002-03-11		Solids, Dissolved	980	mg/L	
HCCC-04	WW_104	2003-08-11		Solids, Dissolved	592	mg/L	
HCCC-04	WW_104	2002-04-08		Solids, Dissolved	764	mg/L	
HCCC-04	WW_104	2004-01-12		Solids, Dissolved	758	mg/L	
HCCC-04	WW_104	2002-10-14		Solids, Dissolved	446	mg/L	
HCCC-04	WW_104	2004-03-08		Solids, Dissolved	830	mg/L	
HCCC-04	WW_104	2002-09-09		Solids, Dissolved	514	mg/L	
HCCC-04	WW_104	2005-05-09		Solids, Dissolved	822	mg/L	
HCCC-04	WW_104	2002-02-11		Solids, Dissolved	698	mg/L	
HCCC-04	WW_104	2005-07-11		Solids, Dissolved	794	mg/L	
HCCC-04	WW_104	2004-02-09		Solids, Dissolved	1778	mg/L	
HCCC-04	WW_104	2005-02-14		Solids, Dissolved	722	mg/L	
HCCC-04	WW_104	2002-05-13		Solids, Dissolved	538	mg/L	
HCCC-04	WW_104	2002-11-12		Solids, Dissolved	478	mg/L	
HCCC-04	WW_104	2001-10-08		Solids, Dissolved	458	mg/L	
HCCC-04	WW_104	2005-08-08		Solids, Dissolved	542	mg/L	
HCCC-04	WW_104	2004-11-08		Solids, Dissolved	538	mg/L	
HCCC-04	WW_104	2001-08-13		Solids, Dissolved	468	mg/L	
HCCC-04	WW_104	2004-06-14		Solids, Dissolved	546	mg/L	
HCCC-04	WW_104	2004-07-12		Solids, Dissolved	460	mg/L	
HCCC-04	WW_104	2004-10-11		Solids, Dissolved	460	mg/L	
HCCC-04	WW_104	2001-04-09		Solids, Dissolved	886	mg/L	
HCCC-04	WW_104	2004-09-13		Solids, Dissolved	490	mg/L	
HCCC-04	WW_104	2001-06-11		Solids, Dissolved	694	mg/L	
HCCC-04	WW_104	2005-01-10		Solids, Dissolved	886	mg/L	
HCCC-04	WW_104	2001-03-12		Solids, Dissolved	894	mg/L	
HCCC-04	WW_104	2004-12-13		Solids, Dissolved	616	mg/L	
HCCC-04	WW_104	2001-11-13		Solids, Dissolved	514	mg/L	
HCCC-04	WW_104	2001-07-09		Solids, Dissolved	500	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2001-05-14		Solids, Dissolved	766	mg/L	
HCCC-04	WW_104	2001-09-10		Solids, Dissolved	342	mg/L	
HCCC-04	WW_104	2005-09-12		Solids, Dissolved	532	mg/L	
HCCC-04	WW_104	2004-08-09		Solids, Dissolved	550	mg/L	
HCCC-04	WW_104	2008-07-14		Solids, Dissolved	580	mg/L	
HCCC-04	WW_104	2009-02-09		Solids, Dissolved	1024	mg/L	
HCCC-04	WW_104	2007-09-10		Solids, Dissolved	542	mg/L	
HCCC-04	WW_104	2009-03-09		Solids, Dissolved	498	mg/L	
HCCC-04	WW_104	2005-12-12		Solids, Dissolved	654	mg/L	
HCCC-04	WW_104	2010-04-12		Solids, Dissolved	870	mg/L	
HCCC-04	WW_104	2010-05-10		Solids, Dissolved	824	mg/L	
HCCC-04	WW_104	2006-06-12		Solids, Dissolved	654	mg/L	
HCCC-04	WW_104	2007-08-13		Solids, Dissolved	468	mg/L	
HCCC-04	WW_104	2008-11-10		Solids, Dissolved	550	mg/L	
HCCC-04	WW_104	2005-11-14		Solids, Dissolved	520	mg/L	
HCCC-04	WW_104	2008-09-08		Solids, Dissolved	482	mg/L	
HCCC-04	WW_104	2010-08-09		Solids, Dissolved	578	mg/L	
HCCC-04	WW_104	2007-04-09		Solids, Dissolved	924	mg/L	
HCCC-04	WW_104	2008-10-13		Solids, Dissolved	608	mg/L	
HCCC-04	WW_104	2006-08-14		Solids, Dissolved	600	mg/L	
HCCC-04	WW_104	2007-05-14		Solids, Dissolved	832	mg/L	
HCCC-04	WW_104	2005-10-10		Solids, Dissolved	638	mg/L	
HCCC-04	WW_104	2010-09-13		Solids, Dissolved	552	mg/L	
HCCC-04	WW_104	2008-08-11		Solids, Dissolved	600	mg/L	
HCCC-04	WW_104	2007-07-09		Solids, Dissolved	664	mg/L	
HCCC-04	WW_104	2007-03-12		Solids, Dissolved	836	mg/L	
HCCC-04	WW_104	2006-09-11		Solids, Dissolved	154	mg/L	
HCCC-04	WW_104	2006-07-10		Solids, Dissolved	528	mg/L	
HCCC-04	WW_104	2008-12-08		Solids, Dissolved	866	mg/L	
HCCC-04	WW_104	2007-06-11		Solids, Dissolved	824	mg/L	
HCCC-04	WW_104	2007-12-10		Solids, Dissolved	1470	mg/L	
HCCC-04	WW_104	2009-06-08		Solids, Dissolved	526	mg/L	
HCCC-04	WW_104	2009-11-09		Solids, Dissolved	634	mg/L	
HCCC-04	WW_104	2006-04-10		Solids, Dissolved	840	mg/L	
HCCC-04	WW_104	2008-04-14		Solids, Dissolved	654	mg/L	
HCCC-04	WW_104	2008-05-12		Solids, Dissolved	696	mg/L	
HCCC-04	WW_104	2009-12-14		Solids, Dissolved	744	mg/L	
HCCC-04	WW_104	2007-11-13		Solids, Dissolved	512	mg/L	
HCCC-04	WW_104	2006-02-14		Solids, Dissolved	1222	mg/L	
HCCC-04	WW_104	2006-12-11		Solids, Dissolved	674	mg/L	
HCCC-04	WW_104	2009-09-14		Solids, Dissolved	544	mg/L	
HCCC-04	WW_104	2008-03-10		Solids, Dissolved	1064	mg/L	
HCCC-04	WW_104	2008-02-11		Solids, Dissolved	1712	mg/L	
HCCC-04	WW_104	2006-03-13		Solids, Dissolved	510	mg/L	
HCCC-04	WW_104	2009-08-10		Solids, Dissolved	478	mg/L	
HCCC-04	WW_104	2009-07-13		Solids, Dissolved	662	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2009-10-12		Solids, Dissolved	468	mg/L	
HCCC-04	WW_104	2008-01-14		Solids, Dissolved	1066	mg/L	
HCCC-04	WW_104	2009-01-12		Solids, Dissolved	996	mg/L	
HCCC-04	WW_104	2006-11-13		Solids, Dissolved	552	mg/L	
HCCC-04	WW_104	2010-03-08		Solids, Dissolved	1398	mg/L	
HCCC-04	WW_104	2009-04-13		Solids, Dissolved	844	mg/L	
HCCC-04	WW_104	2010-02-08		Solids, Dissolved	866	mg/L	
HCCC-04	WW_104	2008-06-09		Solids, Dissolved	372	mg/L	
HCCC-04	WW_104	2006-01-09		Solids, Dissolved	910	mg/L	
HCCC-04	WW_104	2007-01-08		Solids, Dissolved	628	mg/L	
HCCC-04	WW_104	2006-10-09		Solids, Dissolved	470	mg/L	
HCCC-04	WW_104	2006-05-08		Solids, Dissolved	734	mg/L	
HCCC-04	WW_104	2007-10-08		Solids, Dissolved	516	mg/L	
HCCC-04	WW_104	2009-05-11		Solids, Dissolved	692	mg/L	
HCCD-01	WW_32	2011-06-13		Solids, Dissolved	656	mg/L	
HCCD-01	WW_32	2011-09-12		Solids, Dissolved	490	mg/L	
HCCD-01	WW_32	2012-03-12		Solids, Dissolved	1072	mg/L	
HCCD-01	WW_32	2011-10-10		Solids, Dissolved	648	mg/L	
HCCD-01	WW_32	2012-07-16		Solids, Dissolved	520	mg/L	
HCCD-01	WW_32	2010-11-08		Solids, Dissolved	600	mg/L	
HCCD-01	WW_32	2011-07-11		Solids, Dissolved	814	mg/L	
HCCD-01	WW_32	2011-08-08		Solids, Dissolved	318	mg/L	
HCCD-01	WW_32	2012-05-14		Solids, Dissolved	766	mg/L	
HCCD-01	WW_32	2012-04-09		Solids, Dissolved	922	mg/L	
HCCD-01	WW_32	2012-06-11		Solids, Dissolved	808	mg/L	
HCCD-01	WW_32	2011-12-12		Solids, Dissolved	736	mg/L	
HCCD-01	WW_32	2010-10-11		Solids, Dissolved	670	mg/L	
HCCD-01	WW_32	2011-11-14		Solids, Dissolved	552	mg/L	
HCCD-01	WW_32	2011-05-09		Solids, Dissolved	814	mg/L	
HCCD-01	WW_32	2011-03-14		Solids, Dissolved	982	mg/L	
HCCD-01	WW_32	2011-04-11		Solids, Dissolved	888	mg/L	
HCCD-01	WW_32	2012-01-17		Solids, Dissolved	1394	mg/L	
HCCD-01	WW_32	2005-03-14		Solids, Dissolved	1156	mg/L	
HCCD-01	WW_32	2005-06-13		Solids, Dissolved	1050	mg/L	
HCCD-01	WW_32	2004-10-11		Solids, Dissolved	464	mg/L	
HCCD-01	WW_32	2005-02-14		Solids, Dissolved	578	mg/L	
HCCD-01	WW_32	2005-07-11		Solids, Dissolved	1218	mg/L	
HCCD-01	WW_32	2004-08-09		Solids, Dissolved	728	mg/L	
HCCD-01	WW_32	2004-07-12		Solids, Dissolved	572	mg/L	
HCCD-01	WW_32	2004-09-13		Solids, Dissolved	656	mg/L	
HCCD-01	WW_32	2005-09-12		Solids, Dissolved	564	mg/L	
HCCD-01	WW_32	2004-06-14		Solids, Dissolved	534	mg/L	
HCCD-01	WW_32	2005-05-09		Solids, Dissolved	1172	mg/L	
HCCD-01	WW_32	2005-04-11		Solids, Dissolved	1008	mg/L	
HCCD-01	WW_32	2004-11-08		Solids, Dissolved	550	mg/L	
HCCD-01	WW_32	2005-08-08		Solids, Dissolved	712	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2004-12-13		Solids, Dissolved	700	mg/L	
HCCD-01	WW_32	2009-04-13		Solids, Dissolved	944	mg/L	
HCCD-01	WW_32	2007-03-12		Solids, Dissolved	782	mg/L	
HCCD-01	WW_32	2006-06-12		Solids, Dissolved	640	mg/L	
HCCD-01	WW_32	2010-06-14		Solids, Dissolved	868	mg/L	
HCCD-01	WW_32	2010-05-10		Solids, Dissolved	862	mg/L	
HCCD-01	WW_32	2008-07-14		Solids, Dissolved	618	mg/L	
HCCD-01	WW_32	2009-03-09		Solids, Dissolved	474	mg/L	
HCCD-01	WW_32	2007-08-13		Solids, Dissolved	570	mg/L	
HCCD-01	WW_32	2005-12-12		Solids, Dissolved	770	mg/L	
HCCD-01	WW_32	2007-04-09		Solids, Dissolved	1068	mg/L	
HCCD-01	WW_32	2010-08-09		Solids, Dissolved	300	mg/L	
HCCD-01	WW_32	2008-11-10		Solids, Dissolved	684	mg/L	
HCCD-01	WW_32	2008-09-08		Solids, Dissolved	564	mg/L	
HCCD-01	WW_32	2006-08-14		Solids, Dissolved	672	mg/L	
HCCD-01	WW_32	2008-10-13		Solids, Dissolved	624	mg/L	
HCCD-01	WW_32	2007-05-14		Solids, Dissolved	1100	mg/L	
HCCD-01	WW_32	2005-10-10		Solids, Dissolved	492	mg/L	
HCCD-01	WW_32	2010-09-13		Solids, Dissolved	538	mg/L	
HCCD-01	WW_32	2010-07-12		Solids, Dissolved	468	mg/L	
HCCD-01	WW_32	2006-09-11		Solids, Dissolved	204	mg/L	
HCCD-01	WW_32	2007-07-09		Solids, Dissolved	998	mg/L	
HCCD-01	WW_32	2005-11-14		Solids, Dissolved	478	mg/L	
HCCD-01	WW_32	2007-06-11		Solids, Dissolved	1034	mg/L	
HCCD-01	WW_32	2008-08-11		Solids, Dissolved	788	mg/L	
HCCD-01	WW_32	2006-07-10		Solids, Dissolved	776	mg/L	
HCCD-01	WW_32	2008-04-14		Solids, Dissolved	628	mg/L	
HCCD-01	WW_32	2006-04-10		Solids, Dissolved	782	mg/L	
HCCD-01	WW_32	2006-12-11		Solids, Dissolved	922	mg/L	
HCCD-01	WW_32	2009-06-08		Solids, Dissolved	366	mg/L	
HCCD-01	WW_32	2006-03-13		Solids, Dissolved	302	mg/L	
HCCD-01	WW_32	2007-01-08		Solids, Dissolved	636	mg/L	
HCCD-01	WW_32	2007-10-08		Solids, Dissolved	650	mg/L	
HCCD-01	WW_32	2008-03-10		Solids, Dissolved	930	mg/L	
HCCD-01	WW_32	2006-02-14		Solids, Dissolved	790	mg/L	
HCCD-01	WW_32	2009-11-09		Solids, Dissolved	666	mg/L	
HCCD-01	WW_32	2009-12-14		Solids, Dissolved	838	mg/L	
HCCD-01	WW_32	2007-11-13		Solids, Dissolved	698	mg/L	
HCCD-01	WW_32	2009-07-13		Solids, Dissolved	522	mg/L	
HCCD-01	WW_32	2006-11-13		Solids, Dissolved	584	mg/L	
HCCD-01	WW_32	2009-08-10		Solids, Dissolved	474	mg/L	
HCCD-01	WW_32	2007-09-10		Solids, Dissolved	528	mg/L	
HCCD-01	WW_32	2006-05-08		Solids, Dissolved	928	mg/L	
HCCD-01	WW_32	2008-06-09		Solids, Dissolved	308	mg/L	
HCCD-01	WW_32	2010-04-12		Solids, Dissolved	974	mg/L	
HCCD-01	WW_32	2009-05-11		Solids, Dissolved	750	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2006-10-09		Solids, Dissolved	526	mg/L	
HCCD-01	WW_32	2008-01-14		Solids, Dissolved	1120	mg/L	
HCCD-01	WW_32	2006-01-09		Solids, Dissolved	804	mg/L	
HCCD-01	WW_32	2009-10-12		Solids, Dissolved	532	mg/L	
HCCD-01	WW_32	2008-05-12		Solids, Dissolved	728	mg/L	
HCCD-01	WW_32	2010-03-08		Solids, Dissolved	1626	mg/L	
HCCD-01	WW_32	2009-09-14		Solids, Dissolved	586	mg/L	
HCCD-01	WW_32	2003-08-11		Solids, Dissolved	657	mg/L	
HCCD-01	WW_32	2002-08-12		Solids, Dissolved	580	mg/L	
HCCD-01	WW_32	2004-04-12		Solids, Dissolved	900	mg/L	
HCCD-01	WW_32	2002-10-14		Solids, Dissolved	553	mg/L	
HCCD-01	WW_32	2001-05-14		Solids, Dissolved	812	mg/L	
HCCD-01	WW_32	2003-09-08		Solids, Dissolved	238	mg/L	
HCCD-01	WW_32	2001-09-10		Solids, Dissolved	256	mg/L	
HCCD-01	WW_32	2002-09-09		Solids, Dissolved	708	mg/L	
HCCD-01	WW_32	2001-12-10		Solids, Dissolved	716	mg/L	
HCCD-01	WW_32	2003-12-08		Solids, Dissolved	807	mg/L	
HCCD-01	WW_32	2002-05-13		Solids, Dissolved	464	mg/L	
HCCD-01	WW_32	2004-03-08		Solids, Dissolved	896	mg/L	
HCCD-01	WW_32	2001-07-09		Solids, Dissolved	620	mg/L	
HCCD-01	WW_32	2002-03-11		Solids, Dissolved	960	mg/L	
HCCD-01	WW_32	2001-08-13		Solids, Dissolved	566	mg/L	
HCCD-01	WW_32	2002-04-08		Solids, Dissolved	744	mg/L	
HCCD-01	WW_32	2003-10-13		Solids, Dissolved	616	mg/L	
HCCD-01	WW_32	2002-07-08		Solids, Dissolved	682	mg/L	
HCCD-01	WW_32	2002-02-11		Solids, Dissolved	764	mg/L	
HCCD-01	WW_32	2002-06-10		Solids, Dissolved	502	mg/L	
HCCD-01	WW_32	2001-06-11		Solids, Dissolved	810	mg/L	
HCCD-01	WW_32	2003-11-10		Solids, Dissolved	523	mg/L	
HCCD-01	WW_32	2001-11-13		Solids, Dissolved	518	mg/L	
HCCD-01	WW_32	2003-07-14		Solids, Dissolved	792	mg/L	
HCCD-01	WW_32	2001-04-09		Solids, Dissolved	868	mg/L	
HCCD-01	WW_32	2003-04-14		Solids, Dissolved	1166	mg/L	
HCCD-01	WW_32	2004-05-10		Solids, Dissolved	910	mg/L	
HCCD-01	WW_32	2001-10-08		Solids, Dissolved	586	mg/L	
HCCD-01	WW_32	2002-11-12		Solids, Dissolved	472	mg/L	
HCCD-01	WW_32	2003-06-09		Solids, Dissolved	642	mg/L	
HCCD-01	WW_32	2003-05-12		Solids, Dissolved	532	mg/L	
HCCD-01	WW_32	2001-03-12		Solids, Dissolved	1100	mg/L	
HCCD-09	WW_105	2011-02-14		Solids, Dissolved	900	mg/L	
HCCD-09	WW_105	2011-11-14		Solids, Dissolved	510	mg/L	
HCCD-09	WW_105	2012-05-14		Solids, Dissolved	668	mg/L	
HCCD-09	WW_105	2011-05-09		Solids, Dissolved	720	mg/L	
HCCD-09	WW_105	2012-03-12		Solids, Dissolved	906	mg/L	
HCCD-09	WW_105	2010-10-11		Solids, Dissolved	538	mg/L	
HCCD-09	WW_105	2010-12-13		Solids, Dissolved	578	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2012-04-09		Solids, Dissolved	736	mg/L	
HCCD-09	WW_105	2011-04-11		Solids, Dissolved	832	mg/L	
HCCD-09	WW_105	2011-08-08		Solids, Dissolved	360	mg/L	
HCCD-09	WW_105	2011-12-12		Solids, Dissolved	552	mg/L	
HCCD-09	WW_105	2011-09-12		Solids, Dissolved	540	mg/L	
HCCD-09	WW_105	2011-01-10		Solids, Dissolved	718	mg/L	
HCCD-09	WW_105	2012-06-11		Solids, Dissolved	622	mg/L	
HCCD-09	WW_105	2011-03-14		Solids, Dissolved	904	mg/L	
HCCD-09	WW_105	2011-10-10		Solids, Dissolved	534	mg/L	
HCCD-09	WW_105	2012-02-14		Solids, Dissolved	940	mg/L	
HCCD-09	WW_105	2010-11-08		Solids, Dissolved	504	mg/L	
HCCD-09	WW_105	2012-01-17		Solids, Dissolved	826	mg/L	
HCCD-09	WW_105	2012-07-16		Solids, Dissolved	598	mg/L	
HCCD-09	WW_105	2011-07-11		Solids, Dissolved	618	mg/L	
HCCD-09	WW_105	2011-06-13		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2005-09-12		Solids, Dissolved	502	mg/L	
HCCD-09	WW_105	2002-08-12		Solids, Dissolved	504	mg/L	
HCCD-09	WW_105	2003-09-08		Solids, Dissolved	444	mg/L	
HCCD-09	WW_105	2003-11-10		Solids, Dissolved	418	mg/L	
HCCD-09	WW_105	2002-06-10		Solids, Dissolved	378	mg/L	
HCCD-09	WW_105	2002-05-13		Solids, Dissolved	568	mg/L	
HCCD-09	WW_105	2001-07-09		Solids, Dissolved	522	mg/L	
HCCD-09	WW_105	2003-10-13		Solids, Dissolved	530	mg/L	
HCCD-09	WW_105	2001-06-11		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2005-06-13		Solids, Dissolved	626	mg/L	
HCCD-09	WW_105	2005-03-14		Solids, Dissolved	890	mg/L	
HCCD-09	WW_105	2004-09-13		Solids, Dissolved	490	mg/L	
HCCD-09	WW_105	2002-07-08		Solids, Dissolved	532	mg/L	
HCCD-09	WW_105	2003-02-10		Solids, Dissolved	626	mg/L	
HCCD-09	WW_105	2003-03-10		Solids, Dissolved	850	mg/L	
HCCD-09	WW_105	2003-06-09		Solids, Dissolved	678	mg/L	
HCCD-09	WW_105	2004-11-08		Solids, Dissolved	408	mg/L	
HCCD-09	WW_105	2003-01-13		Solids, Dissolved	626	mg/L	
HCCD-09	WW_105	2005-04-11		Solids, Dissolved	828	mg/L	
HCCD-09	WW_105	2003-05-12		Solids, Dissolved	610	mg/L	
HCCD-09	WW_105	2004-12-13		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2001-03-12		Solids, Dissolved	774	mg/L	
HCCD-09	WW_105	2003-04-14		Solids, Dissolved	922	mg/L	
HCCD-09	WW_105	2003-08-11		Solids, Dissolved	560	mg/L	
HCCD-09	WW_105	2004-10-11		Solids, Dissolved	452	mg/L	
HCCD-09	WW_105	2002-10-14		Solids, Dissolved	280	mg/L	
HCCD-09	WW_105	2002-09-09		Solids, Dissolved	534	mg/L	
HCCD-09	WW_105	2001-05-14		Solids, Dissolved	762	mg/L	
HCCD-09	WW_105	2003-07-14		Solids, Dissolved	596	mg/L	
HCCD-09	WW_105	2005-05-09		Solids, Dissolved	734	mg/L	
HCCD-09	WW_105	2002-12-09		Solids, Dissolved	644	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2002-11-12		Solids, Dissolved	482	mg/L	
HCCD-09	WW_105	2001-04-09		Solids, Dissolved	882	mg/L	
HCCD-09	WW_105	2001-10-08		Solids, Dissolved	454	mg/L	
HCCD-09	WW_105	2005-08-08		Solids, Dissolved	518	mg/L	
HCCD-09	WW_105	2002-01-14		Solids, Dissolved	568	mg/L	
HCCD-09	WW_105	2004-06-14		Solids, Dissolved	386	mg/L	
HCCD-09	WW_105	2004-03-08		Solids, Dissolved	862	mg/L	
HCCD-09	WW_105	2004-01-12		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2004-04-12		Solids, Dissolved	674	mg/L	
HCCD-09	WW_105	2001-08-13		Solids, Dissolved	456	mg/L	
HCCD-09	WW_105	2002-03-11		Solids, Dissolved	1040	mg/L	
HCCD-09	WW_105	2004-07-12		Solids, Dissolved	508	mg/L	
HCCD-09	WW_105	2002-02-11		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2004-02-09		Solids, Dissolved	962	mg/L	
HCCD-09	WW_105	2005-01-10		Solids, Dissolved	772	mg/L	
HCCD-09	WW_105	2001-11-13		Solids, Dissolved	448	mg/L	
HCCD-09	WW_105	2005-07-11		Solids, Dissolved	700	mg/L	
HCCD-09	WW_105	2004-05-10		Solids, Dissolved	632	mg/L	
HCCD-09	WW_105	2004-08-09		Solids, Dissolved	542	mg/L	
HCCD-09	WW_105	2003-12-08		Solids, Dissolved	546	mg/L	
HCCD-09	WW_105	2001-09-10		Solids, Dissolved	418	mg/L	
HCCD-09	WW_105	2005-02-14		Solids, Dissolved	876	mg/L	
HCCD-09	WW_105	2001-12-10		Solids, Dissolved	554	mg/L	
HCCD-09	WW_105	2002-04-08		Solids, Dissolved	860	mg/L	
HCCD-09	WW_105	2008-01-14		Solids, Dissolved	1114	mg/L	
HCCD-09	WW_105	2008-09-08		Solids, Dissolved	418	mg/L	
HCCD-09	WW_105	2007-04-09		Solids, Dissolved	902	mg/L	
HCCD-09	WW_105	2008-06-09		Solids, Dissolved	492	mg/L	
HCCD-09	WW_105	2006-11-13		Solids, Dissolved	508	mg/L	
HCCD-09	WW_105	2007-09-10		Solids, Dissolved	482	mg/L	
HCCD-09	WW_105	2008-02-11		Solids, Dissolved	1552	mg/L	
HCCD-09	WW_105	2006-08-14		Solids, Dissolved	532	mg/L	
HCCD-09	WW_105	2007-05-14		Solids, Dissolved	792	mg/L	
HCCD-09	WW_105	2008-03-10		Solids, Dissolved	1060	mg/L	
HCCD-09	WW_105	2007-07-09		Solids, Dissolved	620	mg/L	
HCCD-09	WW_105	2007-08-13		Solids, Dissolved	436	mg/L	
HCCD-09	WW_105	2007-03-12		Solids, Dissolved	1080	mg/L	
HCCD-09	WW_105	2008-08-11		Solids, Dissolved	598	mg/L	
HCCD-09	WW_105	2007-11-13		Solids, Dissolved	454	mg/L	
HCCD-09	WW_105	2008-05-12		Solids, Dissolved	730	mg/L	
HCCD-09	WW_105	2006-09-11		Solids, Dissolved	484	mg/L	
HCCD-09	WW_105	2006-12-11		Solids, Dissolved	602	mg/L	
HCCD-09	WW_105	2007-01-08		Solids, Dissolved	588	mg/L	
HCCD-09	WW_105	2007-06-11		Solids, Dissolved	782	mg/L	
HCCD-09	WW_105	2008-07-14		Solids, Dissolved	506	mg/L	
HCCD-09	WW_105	2007-10-08		Solids, Dissolved	518	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2007-12-10		Solids, Dissolved	794	mg/L	
HCCD-09	WW_105	2008-04-14		Solids, Dissolved	678	mg/L	
HCCD-09	WW_105	2006-10-09		Solids, Dissolved	410	mg/L	
HCCD-09	WW_105	2010-04-12		Solids, Dissolved	800	mg/L	
HCCD-09	WW_105	2005-12-12		Solids, Dissolved	560	mg/L	
HCCD-09	WW_105	2009-04-13		Solids, Dissolved	812	mg/L	
HCCD-09	WW_105	2010-03-08		Solids, Dissolved	1304	mg/L	
HCCD-09	WW_105	2006-01-09		Solids, Dissolved	782	mg/L	
HCCD-09	WW_105	2006-05-08		Solids, Dissolved	670	mg/L	
HCCD-09	WW_105	2009-05-11		Solids, Dissolved	668	mg/L	
HCCD-09	WW_105	2010-06-14		Solids, Dissolved	634	mg/L	
HCCD-09	WW_105	2006-06-12		Solids, Dissolved	658	mg/L	
HCCD-09	WW_105	2005-11-14		Solids, Dissolved	512	mg/L	
HCCD-09	WW_105	2009-02-09		Solids, Dissolved	1108	mg/L	
HCCD-09	WW_105	2010-05-10		Solids, Dissolved	782	mg/L	
HCCD-09	WW_105	2009-03-09		Solids, Dissolved	596	mg/L	
HCCD-09	WW_105	2009-11-09		Solids, Dissolved	562	mg/L	
HCCD-09	WW_105	2009-08-10		Solids, Dissolved	524	mg/L	
HCCD-09	WW_105	2006-02-14		Solids, Dissolved	938	mg/L	
HCCD-09	WW_105	2009-09-14		Solids, Dissolved	516	mg/L	
HCCD-09	WW_105	2006-03-13		Solids, Dissolved	696	mg/L	
HCCD-09	WW_105	2009-10-12		Solids, Dissolved	472	mg/L	
HCCD-09	WW_105	2010-01-11		Solids, Dissolved	850	mg/L	
HCCD-09	WW_105	2010-02-08		Solids, Dissolved	766	mg/L	
HCCD-09	WW_105	2009-06-08		Solids, Dissolved	500	mg/L	
HCCD-09	WW_105	2009-07-13		Solids, Dissolved	490	mg/L	
HCCD-09	WW_105	2009-12-14		Solids, Dissolved	682	mg/L	
HCCD-09	WW_105	2006-04-10		Solids, Dissolved	768	mg/L	
HCCD-09	WW_105	2008-10-13		Solids, Dissolved	594	mg/L	
HCCD-09	WW_105	2010-07-12		Solids, Dissolved	546	mg/L	
HCCD-09	WW_105	2008-12-08		Solids, Dissolved	714	mg/L	
HCCD-09	WW_105	2006-07-10		Solids, Dissolved	516	mg/L	
HCCD-09	WW_105	2008-11-10		Solids, Dissolved	546	mg/L	
HCCD-09	WW_105	2005-10-10		Solids, Dissolved	608	mg/L	
HCCD-09	WW_105	2009-01-12		Solids, Dissolved	788	mg/L	
HCCD-09	WW_105	2010-09-13		Solids, Dissolved	546	mg/L	
HCCD-09	WW_105	2010-08-09		Solids, Dissolved	538	mg/L	
RHJ	RHJ-1	2003-05-08	10:38	Solids, Dissolved	560	mg/L	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Solids, Dissolved	560	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Dissolved	800	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Dissolved	800	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Dissolved	635	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Dissolved	635	mg/L	1 ft
HCC-07	HCC-07	2002-10-29	11:50	Solids, Fixed	455	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Solids, Fixed	1110	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Solids, Fixed	538	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2002-12-12	11:00	Solids, Fixed	728	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Solids, Fixed	642	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Solids, Fixed	601	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Solids, Fixed	1010	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Solids, Fixed	347	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Solids, Fixed	422	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Solids, Fixed	879	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Solids, Fixed	990	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Solids, Fixed	928	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Solids, Fixed	502	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Solids, Fixed	630	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Solids, Fixed	611	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Solids, Fixed	766	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Solids, Fixed	611	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Solids, Fixed	391	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Solids, Fixed	587	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Solids, Fixed	521	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Solids, Fixed	565	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Solids, Fixed	357	mg/L	
RHJ	RHJ-1	2000-06-27	10:30	Solids, Fixed	12	%	14 ft
RHJ	RHJ-1	2000-06-27	10:30	Solids, Fixed	19.4	%	14 ft
RHJ	RHJ-1	2000-06-27	10:30	Solids, Fixed	12	%	14 ft
RHJ	RHJ-1	2000-06-27	10:30	Solids, Fixed	19.4	%	14 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed	13	%	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed	12.8	%	4 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed	13.6	%	10 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed	25.9	%	10 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed	12.8	%	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed	13	%	4 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed	13.6	%	10 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed	25.9	%	10 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed	17.5	%	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed	12.4	%	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed	17.5	%	12 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed	12.4	%	12 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed	10.4	%	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Solids, Fixed	7.2	%	10 ft
RHJ	RHJ-3	2000-06-27	12:30	Solids, Fixed	41.4	%	10 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed	35.8	%	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed	10.4	%	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed	35.8	%	1 ft
RHJ	RHJ-3	2000-06-27	12:30	Solids, Fixed	7.2	%	10 ft
RHJ	RHJ-3	2000-06-27	12:30	Solids, Fixed	41.4	%	10 ft
HCC-07	HCC-07	2000-01-24	13:15	Solids, Fixed Total	12	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Solids, Fixed Total	22	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Solids, Fixed Total	29	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	1999-09-30	12:30	Solids, Fixed Total	59	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Solids, Fixed Total	16	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Solids, Fixed Total	14	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Solids, Fixed Total	28	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Solids, Fixed Total	9	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Solids, Fixed Total	27	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Solids, Fixed Total	30	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Solids, Fixed Total	14	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Solids, Fixed Total	29	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Solids, Fixed Total	24	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Solids, Fixed Total	61	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Solids, Fixed Total	13	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Solids, Fixed Total	28	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Solids, Fixed Total	74	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Solids, Fixed Total	48	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Solids, Fixed Total	238	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Solids, Fixed Total	27	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Solids, Fixed Total	14	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Solids, Fixed Total	54	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Solids, Fixed Total	15	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Solids, Fixed Total	202	mg/L	
HCC-07	HCC-07	2001-11-08	12:00	Solids, Fixed Total	24	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Solids, Fixed Total	39	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Solids, Fixed Total	16	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Solids, Fixed Total	27	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Solids, Fixed Total	19	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Solids, Fixed Total	47	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Solids, Fixed Total	31	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Solids, Fixed Total	43	mg/L	
HCCB-05	HCCB-05	2001-07-02	10:15	Solids, Fixed Total	61	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Solids, Fixed Total	20	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Solids, Fixed Total	41	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Solids, Fixed Total	48	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Solids, Fixed Total	45	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Solids, Fixed Total	8	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Solids, Fixed Total	5	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Solids, Fixed Total	7	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Solids, Fixed Total	28	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Solids, Fixed Total	67	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Solids, Fixed Total	19	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Solids, Fixed Total	74	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Solids, Fixed Total	30	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Solids, Fixed Total	27	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Solids, Fixed Total	31	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Solids, Fixed Total	79	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Solids, Fixed Total	13	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	1999-11-03	11:15	Solids, Fixed Total	32	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Solids, Fixed Total	202	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Solids, Fixed Total	42	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Solids, Fixed Total	37	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Solids, Fixed Total	24	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Solids, Fixed Total	8	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Solids, Fixed Total	33	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Solids, Fixed Total	12	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Solids, Fixed Total	60	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Solids, Fixed Total	17	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Solids, Fixed Total	6	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Solids, Fixed Total	40	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Solids, Fixed Total	27	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Solids, Fixed Total	63	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Solids, Fixed Total	23	mg/L	
HCCC-04	HCCC-04	2001-07-02	12:15	Solids, Fixed Total	21	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Solids, Fixed Total	40	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Solids, Fixed Total	19	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Solids, Fixed Total	26	mg/L	
HCCD-09	HCCD-09	2001-07-02	11:15	Solids, Fixed Total	38	mg/L	
RHJ	RHJ-1	2011-06-14	9:18	Solids, Fixed Total	90.3	%	8 ft
RHJ	RHJ-3	2011-06-14	10:59	Solids, Fixed Total	91	%	5 ft
HCC-07	HCC-07	2000-01-24	13:15	Solids, Fixed Volatile	3	mg/L	
HCC-07	HCC-07	2002-10-29	11:50	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	2000-03-01	12:45	Solids, Fixed Volatile	7	mg/L	
HCC-07	HCC-07	1999-09-30	12:30	Solids, Fixed Volatile	13	mg/L	
HCC-07	HCC-07	1999-11-03	12:30	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	1999-12-16	13:30	Solids, Fixed Volatile	9	mg/L	
HCC-07	HCC-07	2000-11-01	12:30	Solids, Fixed Volatile	3	mg/L	
HCC-07	HCC-07	2000-09-28	13:10	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	2001-04-05	12:00	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	2000-08-10	12:40	Solids, Fixed Volatile	7	mg/L	
HCC-07	HCC-07	2002-05-20	13:30	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	2002-12-12	11:00	Solids, Fixed Volatile	3	mg/L	
HCC-07	HCC-07	2000-04-13	13:20	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	2000-05-18	10:15	Solids, Fixed Volatile	10	mg/L	
HCC-07	HCC-07	2000-07-11	12:30	Solids, Fixed Volatile	12	mg/L	
HCC-07	HCC-07	2002-09-17	12:00	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	1999-05-18	12:15	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	1999-04-01	11:45	Solids, Fixed Volatile	8	mg/L	
HCC-07	HCC-07	1999-06-22	13:00	Solids, Fixed Volatile	11	mg/L	
HCC-07	HCC-07	1999-08-24	15:45	Solids, Fixed Volatile	22	mg/L	
HCC-07	HCC-07	1999-03-05	12:10	Solids, Fixed Volatile	4	mg/L	
HCC-07	HCC-07	2001-02-14	12:30	Solids, Fixed Volatile	12	mg/L	
HCC-07	HCC-07	2001-05-02	12:30	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	2001-08-02	11:05	Solids, Fixed Volatile	30	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2001-11-08	12:00	Solids, Fixed Volatile	7	mg/L	
HCC-07	HCC-07	2001-12-19	13:00	Solids, Fixed Volatile	11	mg/L	
HCC-07	HCC-07	2002-04-03	15:30	Solids, Fixed Volatile	6	mg/L	
HCC-07	HCC-07	2001-03-19	12:00	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	2002-01-30	13:30	Solids, Fixed Volatile	5	mg/L	
HCC-07	HCC-07	2002-07-30	10:15	Solids, Fixed Volatile	10	mg/L	
HCC-07	HCC-07	2002-07-01	13:30	Solids, Fixed Volatile	7	mg/L	
HCCB-05	HCCB-05	2001-09-18	11:05	Solids, Fixed Volatile	8	mg/L	
HCCC-02	HCCC-02	2001-02-14	11:15	Solids, Fixed Volatile	7	mg/L	
HCCC-02	HCCC-02	2001-05-02	11:15	Solids, Fixed Volatile	5	mg/L	
HCCC-02	HCCC-02	2002-01-30	12:15	Solids, Fixed Volatile	9	mg/L	
HCCC-02	HCCC-02	2002-07-30	11:30	Solids, Fixed Volatile	8	mg/L	
HCCC-02	HCCC-02	2002-07-01	12:00	Solids, Fixed Volatile	4	mg/L	
HCCC-02	HCCC-02	2002-10-29	10:30	Solids, Fixed Volatile	3	mg/L	
HCCC-02	HCCC-02	2002-05-20	12:15	Solids, Fixed Volatile	5	mg/L	
HCCC-02	HCCC-02	2002-12-27	10:00	Solids, Fixed Volatile	3	mg/L	
HCCC-02	HCCC-02	2001-03-19	10:45	Solids, Fixed Volatile	9	mg/L	
HCCC-02	HCCC-02	2002-09-17	10:15	Solids, Fixed Volatile	3	mg/L	
HCCC-02	HCCC-02	2001-06-05	11:00	Solids, Fixed Volatile	14	mg/L	
HCCC-02	HCCC-02	2002-03-22	12:00	Solids, Fixed Volatile	6	mg/L	
HCCC-02	HCCC-02	2001-11-08	10:45	Solids, Fixed Volatile	7	mg/L	
HCCC-02	HCCC-02	2001-12-19	11:30	Solids, Fixed Volatile	6	mg/L	
HCCC-02	HCCC-02	1999-11-03	11:15	Solids, Fixed Volatile	16	mg/L	
HCCC-02	HCCC-02	1999-04-01	9:15	Solids, Fixed Volatile	14	mg/L	
HCCC-02	HCCC-02	1999-06-22	10:30	Solids, Fixed Volatile	3	mg/L	
HCCC-02	HCCC-02	1999-05-18	10:20	Solids, Fixed Volatile	12	mg/L	
HCCC-02	HCCC-02	1999-08-24	14:25	Solids, Fixed Volatile	62	mg/L	
HCCC-02	HCCC-02	2000-01-24	10:13	Solids, Fixed Volatile	2	mg/L	
HCCC-02	HCCC-02	1999-12-16	11:30	Solids, Fixed Volatile	3	mg/L	
HCCC-02	HCCC-02	2000-04-13	11:50	Solids, Fixed Volatile	13	mg/L	
HCCC-02	HCCC-02	2001-09-18	12:50	Solids, Fixed Volatile	6	mg/L	
HCCC-02	HCCC-02	2000-07-11	10:30	Solids, Fixed Volatile	12	mg/L	
HCCC-02	HCCC-02	2000-03-01	11:30	Solids, Fixed Volatile	5	mg/L	
HCCC-02	HCCC-02	2000-05-18	12:00	Solids, Fixed Volatile	12	mg/L	
HCCC-02	HCCC-02	2000-09-28	11:45	Solids, Fixed Volatile	1	mg/L	
HCCC-02	HCCC-02	2000-08-10	11:30	Solids, Fixed Volatile	6	mg/L	
HCCC-02	HCCC-02	2001-08-01	10:00	Solids, Fixed Volatile	9	mg/L	
HCCC-02	HCCC-02	1999-09-30	11:00	Solids, Fixed Volatile	12	mg/L	
HCCC-04	HCCC-04	2001-08-01	14:15	Solids, Fixed Volatile	6	mg/L	
HCCC-04	HCCC-04	2001-09-27	12:35	Solids, Fixed Volatile	9	mg/L	
HCCD-09	HCCD-09	2001-08-01	10:10	Solids, Fixed Volatile	4	mg/L	
HCCD-09	HCCD-09	2001-09-27	13:50	Solids, Fixed Volatile	6	mg/L	
RHJ	RHJ-1	2001-09-04	12:00	Solids, Fixed Volatile	12	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Solids, Fixed Volatile	12	mg/L	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Solids, Fixed Volatile	5	mg/L	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Solids, Fixed Volatile	8	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-06-22	11:15	Solids, Fixed Volatile	1	mg/L	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed Volatile	11	mg/L	8 ft
RHJ	RHJ-1	2003-08-27	10:25	Solids, Fixed Volatile	12	mg/L	1 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Fixed Volatile	11	mg/L	8 ft
RHJ	RHJ-1	2003-05-08	10:38	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed Volatile	6	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Solids, Fixed Volatile	7	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-1	2001-11-05	11:30	Solids, Fixed Volatile	5	mg/L	1.5 ft
RHJ	RHJ-1	2001-06-22	11:15	Solids, Fixed Volatile	1	mg/L	4 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Fixed Volatile	6	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Solids, Fixed Volatile	12	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Solids, Fixed Volatile	7	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Fixed Volatile	1	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Solids, Fixed Volatile	6	mg/L	4.5 ft
RHJ	RHJ-2	2001-09-04	12:55	Solids, Fixed Volatile	14	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Solids, Fixed Volatile	3	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Solids, Fixed Volatile	10	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Solids, Fixed Volatile	10	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Fixed Volatile	11	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed Volatile	5	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Solids, Fixed Volatile	10	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Fixed Volatile	11	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Fixed Volatile	5	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Solids, Fixed Volatile	6	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Solids, Fixed Volatile	3	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Solids, Fixed Volatile	14	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Solids, Fixed Volatile	10	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed Volatile	9	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Solids, Fixed Volatile	6	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Solids, Fixed Volatile	8	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Fixed Volatile	6	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Solids, Fixed Volatile	15	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Solids, Fixed Volatile	8	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-09-04	13:45	Solids, Fixed Volatile	15	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Solids, Fixed Volatile	6	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Fixed Volatile	9	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Fixed Volatile	6	mg/L	1 ft
HCC-07	HCC-07	2003-08-21	12:30	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2011-06-02	12:50	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Solids, Suspended Volatile	15	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Solids, Suspended Volatile	26	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Solids, Suspended Volatile	16	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Solids, Suspended Volatile	12	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Solids, Suspended Volatile	14	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Solids, Suspended Volatile	14	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Solids, Suspended Volatile	26	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Solids, Suspended Volatile	12	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2010-04-14	11:40	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Solids, Suspended Volatile	16	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2006-11-06	10:40	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Solids, Suspended Volatile	13	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Solids, Suspended Volatile	16	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Solids, Suspended Volatile	11	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Solids, Suspended Volatile	19	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Solids, Suspended Volatile	11	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Solids, Suspended Volatile	24	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Solids, Suspended Volatile	9	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Solids, Suspended Volatile	19	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Solids, Suspended Volatile	2	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Solids, Suspended Volatile	3	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Solids, Suspended Volatile	11	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Solids, Suspended Volatile	4	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Solids, Suspended Volatile	8	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Solids, Suspended Volatile	5	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Solids, Suspended Volatile	18	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Solids, Suspended Volatile	17	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Solids, Suspended Volatile	6	mg/L	
HCC-07	HCC-07	2003-01-30	13:00	Solids, Suspended Volatile	7	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2011-12-12		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_34	2012-06-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2011-07-11		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2011-01-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2012-05-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2011-11-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2012-04-09		Solids, Suspended Volatile	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2011-08-08		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2011-04-11		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2011-05-09		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_34	2012-02-14		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2011-09-12		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_34	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2012-01-17		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2011-03-14		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_34	2011-10-10		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_34	2011-06-13		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_34	2012-03-12		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2005-07-11		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2004-06-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2004-07-12		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2005-02-14		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_34	2005-04-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2004-08-09		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2005-05-09		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2005-03-14		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2005-08-08		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_34	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2004-10-11		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2005-01-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2005-09-12		Solids, Suspended Volatile	11	mg/L	
HCC-07	WW_34	2004-11-08		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2005-06-13		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2004-09-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2006-08-14		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2006-02-14		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2006-11-13		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2007-04-09		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2006-03-13		Solids, Suspended Volatile	16	mg/L	
HCC-07	WW_34	2005-10-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2006-12-11		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2007-01-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2007-03-12		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2006-09-11		Solids, Suspended Volatile	34	mg/L	
HCC-07	WW_34	2006-01-09		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2005-11-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2006-06-12		Solids, Suspended Volatile	37	mg/L	
HCC-07	WW_34	2006-10-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2006-07-10		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2006-04-10		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2006-05-08		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2007-11-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2009-08-10		Solids, Suspended Volatile	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2007-10-08		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2008-11-10		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2009-07-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2009-10-12		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2009-11-09		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2009-09-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2008-10-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2009-01-12		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2009-04-13		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2008-01-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2009-03-09		Solids, Suspended Volatile	11	mg/L	
HCC-07	WW_34	2009-02-09		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_34	2009-06-08		Solids, Suspended Volatile	20	mg/L	
HCC-07	WW_34	2008-03-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2007-12-10		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2009-05-11		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2008-12-08		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2007-06-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2008-08-11		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2010-06-14		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2010-05-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2008-07-14		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2008-06-09		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_34	2010-08-09		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2010-07-12		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2007-05-14		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2010-02-08		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2009-12-14		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2010-01-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2007-08-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2008-05-12		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2010-04-12		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2007-07-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2008-09-08		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2004-03-08		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2002-05-13		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2003-06-09		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2001-06-11		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2002-06-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2003-03-10		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2003-11-10		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2001-01-16		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2004-01-12		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-05-12		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2001-07-09		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_34	2004-02-09		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2001-10-08		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2002-03-11		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2001-02-13		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2001-08-13		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2002-02-11		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2003-12-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2003-04-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_34	2002-04-08		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2002-11-12		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_34	2003-07-14		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2003-09-08		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2004-04-12		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2002-08-12		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_34	2004-05-10		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_34	2001-05-14		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2003-08-11		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2001-12-10		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2002-09-09		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2001-09-10		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_34	2001-04-09		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_34	2003-10-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2002-07-08		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_34	2002-01-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2001-03-12		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_34	2002-10-14		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2003-01-13		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_34	2001-11-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_34	2002-12-09		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2011-09-12		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_96	2011-08-08		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2014-03-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2010-12-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2012-03-12		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2014-05-12		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2014-04-14		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2014-10-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2014-12-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2011-12-12		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_96	2014-11-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2011-11-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2014-07-14		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2012-02-14		Solids, Suspended Volatile	2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2014-06-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2011-10-10		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_96	2012-01-17		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2014-09-15		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2014-08-11		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2013-04-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2011-05-09		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_96	2011-03-14		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_96	2012-09-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-06-10		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2012-08-13		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2013-05-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-01-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2011-04-11		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2012-12-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2012-11-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-03-11		Solids, Suspended Volatile	14	mg/L	
HCC-07	WW_96	2013-02-11		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2012-10-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2011-07-11		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2012-05-14		Solids, Suspended Volatile	2	mg/L	
HCC-07	WW_96	2011-01-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-12-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-11-12		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2012-04-09		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_96	2014-01-13		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2011-06-13		Solids, Suspended Volatile	1	mg/L	
HCC-07	WW_96	2013-08-12		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-07-15		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-10-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2013-09-16		Solids, Suspended Volatile	15	mg/L	
HCC-07	WW_96	2012-06-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2005-09-12		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2005-04-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2004-10-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2004-11-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2005-05-09		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2004-12-13		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2005-07-11		Solids, Suspended Volatile	11	mg/L	
HCC-07	WW_96	2004-07-12		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2005-02-14		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2004-06-14		Solids, Suspended Volatile	14	mg/L	
HCC-07	WW_96	2005-08-08		Solids, Suspended Volatile	16	mg/L	
HCC-07	WW_96	2005-01-10		Solids, Suspended Volatile	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-09-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2005-06-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2005-03-14		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2004-08-09		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2010-04-12		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2007-07-09		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2007-04-09		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2007-03-12		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2008-06-09		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2006-08-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2008-10-13		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2007-05-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2005-11-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2010-07-12		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2008-08-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2005-10-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2010-08-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2008-09-08		Solids, Suspended Volatile	11	mg/L	
HCC-07	WW_96	2008-07-14		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2010-05-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2007-06-11		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2008-05-12		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2010-06-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2006-10-09		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2006-09-11		Solids, Suspended Volatile	18	mg/L	
HCC-07	WW_96	2008-02-11		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2009-07-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2009-03-09		Solids, Suspended Volatile	11	mg/L	
HCC-07	WW_96	2007-11-13		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2007-10-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2009-08-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2006-03-13		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2009-02-09		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2006-06-12		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2007-12-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2009-05-11		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2008-01-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2006-05-08		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2009-04-13		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2006-04-10		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2009-06-08		Solids, Suspended Volatile	13	mg/L	
HCC-07	WW_96	2006-12-11		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2009-12-14		Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2006-07-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2009-11-09		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2008-12-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2006-01-09		Solids, Suspended Volatile	9	mg/L	
HCC-07	WW_96	2010-02-08		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2007-08-13		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2008-11-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2009-09-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2009-01-12		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2007-01-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2006-11-13		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2006-02-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2008-03-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2009-10-12		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2001-01-16		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2003-05-12		Solids, Suspended Volatile	12	mg/L	
HCC-07	WW_96	2003-04-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2002-10-14		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2002-09-09		Solids, Suspended Volatile	0	mg/L	
HCC-07	WW_96	2003-08-11		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2003-06-09		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2002-12-09		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2001-03-12		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2003-01-13		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2001-04-09		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2001-02-13		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2002-11-12		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2003-07-14		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2001-08-13		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2002-02-11		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2004-03-08		Solids, Suspended Volatile	10	mg/L	
HCC-07	WW_96	2002-01-14		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2002-03-11		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2004-05-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2001-11-13		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2001-10-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2004-04-12		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2001-09-10		Solids, Suspended Volatile	7	mg/L	
HCC-07	WW_96	2001-12-10		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2003-10-13		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2002-07-08		Solids, Suspended Volatile	4	mg/L	
HCC-07	WW_96	2002-06-10		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2004-01-12		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2003-09-08		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2001-05-14		Solids, Suspended Volatile	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2002-08-12		Solids, Suspended Volatile	5	mg/L	
HCC-07	WW_96	2002-04-08		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2003-12-08		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2001-07-09		Solids, Suspended Volatile	8	mg/L	
HCC-07	WW_96	2003-11-10		Solids, Suspended Volatile	6	mg/L	
HCC-07	WW_96	2001-06-11		Solids, Suspended Volatile	3	mg/L	
HCC-07	WW_96	2002-05-13		Solids, Suspended Volatile	14	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Solids, Suspended Volatile	4	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Solids, Suspended Volatile	5	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Solids, Suspended Volatile	3	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Solids, Suspended Volatile	2	mg/L	
HCCB-05	HCCB-13	2011-08-29	15:33	Solids, Suspended Volatile	7	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Solids, Suspended Volatile	6	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Solids, Suspended Volatile	4	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Solids, Suspended Volatile	5	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Solids, Suspended Volatile	2.8	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Solids, Suspended Volatile	13	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2012-01-17		Solids, Suspended Volatile	12	mg/L	
HCCB-05	WW_106	2011-12-12		Solids, Suspended Volatile	10	mg/L	
HCCB-05	WW_106	2012-03-12		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2010-12-13		Solids, Suspended Volatile	15	mg/L	
HCCB-05	WW_106	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2011-11-14		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2012-02-14		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2011-03-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2011-06-13		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2011-07-11		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2011-02-14		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2012-05-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2011-05-09		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2011-04-11		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2011-01-10		Solids, Suspended Volatile	12	mg/L	
HCCB-05	WW_106	2011-08-08		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2004-03-08		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2004-10-11		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2002-02-11		Solids, Suspended Volatile	7	mg/L	
HCCB-05	WW_106	2001-09-10		Solids, Suspended Volatile	7	mg/L	
HCCB-05	WW_106	2001-03-12		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2003-05-12		Solids, Suspended Volatile	16	mg/L	
HCCB-05	WW_106	2004-05-10		Solids, Suspended Volatile	13	mg/L	
HCCB-05	WW_106	2003-07-14		Solids, Suspended Volatile	20	mg/L	
HCCB-05	WW_106	2004-11-08		Solids, Suspended Volatile	7	mg/L	
HCCB-05	WW_106	2001-04-09		Solids, Suspended Volatile	10	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2005-08-08		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2004-04-12		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2004-06-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2005-03-14		Solids, Suspended Volatile	14	mg/L	
HCCB-05	WW_106	2002-03-11		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2002-06-10		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2004-01-12		Solids, Suspended Volatile	17	mg/L	
HCCB-05	WW_106	2002-08-12		Solids, Suspended Volatile	7	mg/L	
HCCB-05	WW_106	2003-10-13		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2002-04-08		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2005-02-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2001-05-14		Solids, Suspended Volatile	14	mg/L	
HCCB-05	WW_106	2002-05-13		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2004-02-09		Solids, Suspended Volatile	15	mg/L	
HCCB-05	WW_106	2001-06-11		Solids, Suspended Volatile	2	mg/L	
HCCB-05	WW_106	2006-10-09		Solids, Suspended Volatile	3	mg/L	
HCCB-05	WW_106	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2009-08-10		Solids, Suspended Volatile	3	mg/L	
HCCB-05	WW_106	2007-12-10		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2008-05-12		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2010-02-08		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2009-05-11		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2007-01-08		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2006-12-11		Solids, Suspended Volatile	9	mg/L	
HCCB-05	WW_106	2009-11-09		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2008-03-10		Solids, Suspended Volatile	10	mg/L	
HCCB-05	WW_106	2009-12-14		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2006-01-09		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2008-09-08		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2010-08-09		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2008-11-10		Solids, Suspended Volatile	29	mg/L	
HCCB-05	WW_106	2009-06-08		Solids, Suspended Volatile	8	mg/L	
HCCB-05	WW_106	2008-08-11		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2010-07-12		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2008-07-14		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2009-09-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2009-03-09		Solids, Suspended Volatile	11	mg/L	
HCCB-05	WW_106	2008-01-14		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2009-01-12		Solids, Suspended Volatile	10	mg/L	
HCCB-05	WW_106	2006-09-11		Solids, Suspended Volatile	43	mg/L	
HCCB-05	WW_106	2007-03-12		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2005-11-14		Solids, Suspended Volatile	5	mg/L	
HCCB-05	WW_106	2009-02-09		Solids, Suspended Volatile	15	mg/L	
HCCB-05	WW_106	2009-04-13		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2008-06-09		Solids, Suspended Volatile	13	mg/L	
HCCB-05	WW_106	2009-10-12		Solids, Suspended Volatile	11	mg/L	
HCCB-05	WW_106	2006-03-13		Solids, Suspended Volatile	13	mg/L	
HCCB-05	WW_106	2010-04-12		Solids, Suspended Volatile	6	mg/L	
HCCB-05	WW_106	2008-10-13		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2010-05-10		Solids, Suspended Volatile	4	mg/L	
HCCB-05	WW_106	2007-08-13		Solids, Suspended Volatile	0	mg/L	
HCCB-05	WW_106	2008-12-08		Solids, Suspended Volatile	35	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Solids, Suspended Volatile	23	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Solids, Suspended Volatile	12	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Solids, Suspended Volatile	18	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Solids, Suspended Volatile	11	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Solids, Suspended Volatile	10	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Solids, Suspended Volatile	11	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Solids, Suspended Volatile	13	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Solids, Suspended Volatile	3	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2005-06-06	11:30	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2003-03-10	12:55	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Solids, Suspended Volatile	14	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Solids, Suspended Volatile	2	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2004-08-04	11:15	Solids, Suspended Volatile	9	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Solids, Suspended Volatile	9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2004-06-21	11:00	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Solids, Suspended Volatile	9	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Solids, Suspended Volatile	3	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2005-03-03	10:00	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Solids, Suspended Volatile	8.5	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Solids, Suspended Volatile	2	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Solids, Suspended Volatile	3	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Solids, Suspended Volatile	26	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Solids, Suspended Volatile	11	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Solids, Suspended Volatile	9	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Solids, Suspended Volatile	10	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Solids, Suspended Volatile	10	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2011-12-06	9:00	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Solids, Suspended Volatile	5	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Solids, Suspended Volatile	20	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Solids, Suspended Volatile	12	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Solids, Suspended Volatile	10	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Solids, Suspended Volatile	8	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Solids, Suspended Volatile	9	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Solids, Suspended Volatile	3.2	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-06	2006-09-18	10:35	Solids, Suspended Volatile	1.6	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Solids, Suspended Volatile	7	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Solids, Suspended Volatile	5	mg/L	1 ft
HCCC-02	HCCC-06	2011-06-29	8:15	Solids, Suspended Volatile	6	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Solids, Suspended Volatile	4	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2011-11-14		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2011-04-11		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2011-03-14		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2011-06-13		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2011-07-11		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2011-08-08		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2011-05-09		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2011-10-10		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2012-04-09		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2011-12-12		Solids, Suspended Volatile	1	mg/L	
HCCC-02	WW_31	2012-05-14		Solids, Suspended Volatile	2	mg/L	
HCCC-02	WW_31	2012-03-12		Solids, Suspended Volatile	1	mg/L	
HCCC-02	WW_31	2005-04-11		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2005-07-11		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2005-09-12		Solids, Suspended Volatile	12	mg/L	
HCCC-02	WW_31	2005-06-13		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2005-08-08		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2005-05-09		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2004-06-14		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2004-11-08		Solids, Suspended Volatile	5	mg/L	
HCCC-02	WW_31	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2004-07-12		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2005-03-14		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2004-09-13		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2005-02-14		Solids, Suspended Volatile	12	mg/L	
HCCC-02	WW_31	2004-08-09		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2004-10-11		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2009-11-09		Solids, Suspended Volatile	5	mg/L	
HCCC-02	WW_31	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2009-10-12		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2007-04-09		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2006-12-11		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2007-08-13		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2007-06-11		Solids, Suspended Volatile	5	mg/L	
HCCC-02	WW_31	2010-05-10		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2010-04-12		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2007-03-12		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2005-11-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2007-07-09		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2010-07-12		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2010-06-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2005-10-10		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2007-11-13		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2009-12-14		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2007-05-14		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2007-10-08		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2006-01-09		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2010-08-09		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2007-01-08		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2009-05-11		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2009-07-13		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2008-05-12		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2006-07-10		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2009-03-09		Solids, Suspended Volatile	14	mg/L	
HCCC-02	WW_31	2006-10-09		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2008-03-10		Solids, Suspended Volatile	9	mg/L	
HCCC-02	WW_31	2006-11-13		Solids, Suspended Volatile	10	mg/L	
HCCC-02	WW_31	2008-08-11		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2006-09-11		Solids, Suspended Volatile	21	mg/L	
HCCC-02	WW_31	2009-06-08		Solids, Suspended Volatile	11	mg/L	
HCCC-02	WW_31	2006-06-12		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2008-07-14		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2006-04-10		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2006-03-13		Solids, Suspended Volatile	60	mg/L	
HCCC-02	WW_31	2006-05-08		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2008-10-13		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2009-04-13		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2009-09-14		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2008-01-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2006-08-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2008-06-09		Solids, Suspended Volatile	21	mg/L	
HCCC-02	WW_31	2008-09-08		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2008-11-10		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2009-08-10		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2001-12-10		Solids, Suspended Volatile	16	mg/L	
HCCC-02	WW_31	2002-06-10		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2002-05-13		Solids, Suspended Volatile	12	mg/L	
HCCC-02	WW_31	2001-11-13		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2001-02-13		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2001-07-09		Solids, Suspended Volatile	6	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2002-04-08		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2001-03-12		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2003-04-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2002-02-11		Solids, Suspended Volatile	5	mg/L	
HCCC-02	WW_31	2002-10-14		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2001-04-09		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2002-08-12		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2002-07-08		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2002-09-09		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2001-09-10		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2001-05-14		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2001-08-13		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2001-10-08		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2001-06-11		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2002-11-12		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2002-03-11		Solids, Suspended Volatile	9	mg/L	
HCCC-02	WW_31	2003-06-09		Solids, Suspended Volatile	6	mg/L	
HCCC-02	WW_31	2003-07-14		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2003-11-10		Solids, Suspended Volatile	7	mg/L	
HCCC-02	WW_31	2003-09-08		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2004-03-08		Solids, Suspended Volatile	8	mg/L	
HCCC-02	WW_31	2003-10-13		Solids, Suspended Volatile	0	mg/L	
HCCC-02	WW_31	2004-05-10		Solids, Suspended Volatile	9	mg/L	
HCCC-02	WW_31	2004-04-12		Solids, Suspended Volatile	4	mg/L	
HCCC-02	WW_31	2003-05-12		Solids, Suspended Volatile	16	mg/L	
HCCC-02	WW_31	2003-08-11		Solids, Suspended Volatile	3	mg/L	
HCCC-02	WW_31	2003-12-08		Solids, Suspended Volatile	4	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Solids, Suspended Volatile	6.4	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Solids, Suspended Volatile	10.8	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Solids, Suspended Volatile	2	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Solids, Suspended Volatile	4	mg/L	
HCCC-04	HCCC-08	2011-06-21	9:20	Solids, Suspended Volatile	8	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Solids, Suspended Volatile	9	mg/L	
HCCC-04	HCCC-08	2011-08-29	12:13	Solids, Suspended Volatile	14	mg/L	
HCCC-04	WW_103	2011-05-09		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2011-12-12		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_103	2012-01-17		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2011-11-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2012-05-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2011-09-12		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2012-03-12		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2011-07-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2011-08-08		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2012-04-09		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2012-02-14		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2011-06-13		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_103	2011-10-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2012-06-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2011-04-11		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2011-02-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2011-03-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2002-04-08		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2003-12-08		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2002-06-10		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_103	2002-07-08		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2005-06-13		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2001-06-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2002-05-13		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2004-08-09		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2001-07-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2003-11-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2001-10-08		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2004-04-12		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2002-01-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2004-05-10		Solids, Suspended Volatile	17	mg/L	
HCCC-04	WW_103	2001-11-13		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2001-12-10		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2004-06-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2005-02-14		Solids, Suspended Volatile	16	mg/L	
HCCC-04	WW_103	2001-08-13		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_103	2002-03-11		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2004-07-12		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2005-07-11		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2001-09-10		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2004-03-08		Solids, Suspended Volatile	11	mg/L	
HCCC-04	WW_103	2005-01-10		Solids, Suspended Volatile	12	mg/L	
HCCC-04	WW_103	2002-02-11		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2003-07-14		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2002-11-12		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2005-05-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2004-10-11		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_103	2003-08-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2001-04-09		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2002-10-14		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2003-04-14		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2005-04-11		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2003-05-12		Solids, Suspended Volatile	12	mg/L	
HCCC-04	WW_103	2004-11-08		Solids, Suspended Volatile	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-06-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2001-03-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2005-03-14		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_103	2001-05-14		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2003-09-08		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2002-09-09		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2002-08-12		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2004-09-13		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2005-09-12		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2008-11-10		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2008-03-10		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2008-09-08		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2006-08-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2006-05-08		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2009-08-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2008-10-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2009-04-13		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2008-06-09		Solids, Suspended Volatile	12	mg/L	
HCCC-04	WW_103	2006-11-13		Solids, Suspended Volatile	11	mg/L	
HCCC-04	WW_103	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2009-06-08		Solids, Suspended Volatile	22	mg/L	
HCCC-04	WW_103	2006-04-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2009-02-09		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2006-06-12		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2008-07-14		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2006-09-11		Solids, Suspended Volatile	22	mg/L	
HCCC-04	WW_103	2006-07-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2006-10-09		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2009-07-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2008-08-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2008-05-12		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_103	2009-03-09		Solids, Suspended Volatile	12	mg/L	
HCCC-04	WW_103	2009-05-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2007-10-08		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2010-07-12		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2006-12-11		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2009-11-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2007-08-13		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2006-02-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2006-01-09		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2010-02-08		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2009-10-12		Solids, Suspended Volatile	15	mg/L	
HCCC-04	WW_103	2007-12-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2007-06-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2007-11-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_103	2009-12-14		Solids, Suspended Volatile	9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2007-03-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_103	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2010-06-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2010-05-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2007-07-09		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2005-11-14		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2008-01-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2009-09-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2007-05-14		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_103	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2006-03-13		Solids, Suspended Volatile	14	mg/L	
HCCC-04	WW_103	2007-04-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_103	2010-09-13		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_103	2010-08-09		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2010-04-12		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_103	2007-01-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_103	2005-10-10		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2011-06-13		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2011-03-14		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2011-10-10		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2012-06-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2012-02-14		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2012-04-09		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2010-12-13		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2011-08-08		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2011-01-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2012-05-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2011-02-14		Solids, Suspended Volatile	23	mg/L	
HCCC-04	WW_104	2011-07-11		Solids, Suspended Volatile	35	mg/L	
HCCC-04	WW_104	2012-03-12		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2011-09-12		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2011-11-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2011-05-09		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2011-12-12		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2011-04-11		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2012-01-17		Solids, Suspended Volatile	11	mg/L	
HCCC-04	WW_104	2005-03-14		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2002-01-14		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2004-03-08		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2005-06-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2005-04-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2003-05-12		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_104	2004-04-12		Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2002-08-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2001-12-10		Solids, Suspended Volatile	1	mg/L	
HCCC-04	WW_104	2003-04-14		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2004-01-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2002-03-11		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2003-08-11		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2002-04-08		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2002-10-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2005-07-11		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2002-02-11		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2005-05-09		Solids, Suspended Volatile	12	mg/L	
HCCC-04	WW_104	2002-05-13		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_104	2002-09-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2005-02-14		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2004-02-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2002-11-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2004-10-11		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2005-01-10		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2001-06-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2001-10-08		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2005-08-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2004-11-08		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2001-09-10		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2004-07-12		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2004-09-13		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2001-04-09		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2004-06-14		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2001-08-13		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2001-11-13		Solids, Suspended Volatile	2	mg/L	
HCCC-04	WW_104	2004-05-10		Solids, Suspended Volatile	14	mg/L	
HCCC-04	WW_104	2004-08-09		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2001-05-14		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2001-03-12		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2005-09-12		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2001-07-09		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_104	2009-02-09		Solids, Suspended Volatile	10	mg/L	
HCCC-04	WW_104	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2006-09-11		Solids, Suspended Volatile	49	mg/L	
HCCC-04	WW_104	2009-03-09		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2007-08-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2010-05-10		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2010-04-12		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2006-06-12		Solids, Suspended Volatile	11	mg/L	
HCCC-04	WW_104	2008-07-14		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2005-12-12		Solids, Suspended Volatile	0	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2008-09-08		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2007-05-14		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2005-10-10		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2010-08-09		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2008-11-10		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2008-10-13		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2006-08-14		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2007-04-09		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2009-01-12		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2005-11-14		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2008-08-11		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2007-07-09		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2007-03-12		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2007-06-11		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2006-07-10		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2008-12-08		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2009-06-08		Solids, Suspended Volatile	18	mg/L	
HCCC-04	WW_104	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2006-02-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2006-04-10		Solids, Suspended Volatile	9	mg/L	
HCCC-04	WW_104	2009-10-12		Solids, Suspended Volatile	8	mg/L	
HCCC-04	WW_104	2007-12-10		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2006-12-11		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2007-11-13		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2009-11-09		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2006-11-13		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2008-02-11		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2006-03-13		Solids, Suspended Volatile	22	mg/L	
HCCC-04	WW_104	2009-08-10		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2009-07-13		Solids, Suspended Volatile	7	mg/L	
HCCC-04	WW_104	2008-01-14		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2009-09-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2008-03-10		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2006-05-08		Solids, Suspended Volatile	13	mg/L	
HCCC-04	WW_104	2008-06-09		Solids, Suspended Volatile	15	mg/L	
HCCC-04	WW_104	2007-01-08		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2007-10-08		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2008-05-12		Solids, Suspended Volatile	6	mg/L	
HCCC-04	WW_104	2009-12-14		Solids, Suspended Volatile	0	mg/L	
HCCC-04	WW_104	2009-04-13		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2009-05-11		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2006-10-09		Solids, Suspended Volatile	4	mg/L	
HCCC-04	WW_104	2010-03-08		Solids, Suspended Volatile	3	mg/L	
HCCC-04	WW_104	2006-01-09		Solids, Suspended Volatile	5	mg/L	
HCCC-04	WW_104	2010-02-08		Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2011-06-13		Solids, Suspended Volatile	2	mg/L	
HCCD-01	WW_32	2012-03-12		Solids, Suspended Volatile	2	mg/L	
HCCD-01	WW_32	2011-09-12		Solids, Suspended Volatile	1	mg/L	
HCCD-01	WW_32	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2012-07-16		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2012-04-09		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2012-05-14		Solids, Suspended Volatile	1	mg/L	
HCCD-01	WW_32	2011-05-09		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2011-07-11		Solids, Suspended Volatile	19	mg/L	
HCCD-01	WW_32	2011-08-08		Solids, Suspended Volatile	9	mg/L	
HCCD-01	WW_32	2012-06-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2011-11-14		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2011-03-14		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2011-04-11		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2012-01-17		Solids, Suspended Volatile	12	mg/L	
HCCD-01	WW_32	2011-10-10		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2011-12-12		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2005-03-14		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2005-09-12		Solids, Suspended Volatile	9	mg/L	
HCCD-01	WW_32	2004-10-11		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2005-07-11		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2005-02-14		Solids, Suspended Volatile	12	mg/L	
HCCD-01	WW_32	2004-08-09		Solids, Suspended Volatile	6	mg/L	
HCCD-01	WW_32	2004-09-13		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2005-06-13		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2004-07-12		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2005-05-09		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2004-11-08		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2005-08-08		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2005-04-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2004-06-14		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2008-06-09		Solids, Suspended Volatile	27	mg/L	
HCCD-01	WW_32	2008-07-14		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2005-12-12		Solids, Suspended Volatile	9	mg/L	
HCCD-01	WW_32	2010-06-14		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2007-08-13		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2009-03-09		Solids, Suspended Volatile	12	mg/L	
HCCD-01	WW_32	2010-05-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2008-09-08		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2005-10-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2007-05-14		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2010-08-09		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2008-11-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2008-10-13		Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-08-14		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2007-04-09		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2005-11-14		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2006-06-12		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2007-03-12		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2007-07-09		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-09-11		Solids, Suspended Volatile	33	mg/L	
HCCD-01	WW_32	2006-07-10		Solids, Suspended Volatile	6	mg/L	
HCCD-01	WW_32	2008-08-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2010-07-12		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2007-06-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-04-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-03-13		Solids, Suspended Volatile	32	mg/L	
HCCD-01	WW_32	2009-10-12		Solids, Suspended Volatile	6	mg/L	
HCCD-01	WW_32	2006-01-09		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2008-04-14		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2007-10-08		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2009-06-08		Solids, Suspended Volatile	13	mg/L	
HCCD-01	WW_32	2009-11-09		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2006-02-14		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2006-11-13		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2008-03-10		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2009-12-14		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2006-12-11		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2009-08-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2007-11-13		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2009-07-13		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2008-05-12		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2009-09-14		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2007-09-10		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-10-09		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2008-01-14		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2009-04-13		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2010-04-12		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2006-05-08		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2007-01-08		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2009-05-11		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2004-04-12		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2003-08-11		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2002-10-14		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2001-09-10		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2001-12-10		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2002-09-09		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2001-05-14		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2002-08-12		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2003-09-08		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2003-12-08		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2001-08-13		Solids, Suspended Volatile	2	mg/L	
HCCD-01	WW_32	2002-04-08		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2004-03-08		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2002-02-11		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2002-03-11		Solids, Suspended Volatile	7	mg/L	
HCCD-01	WW_32	2001-07-09		Solids, Suspended Volatile	6	mg/L	
HCCD-01	WW_32	2003-10-13		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2002-07-08		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2003-11-10		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2002-05-13		Solids, Suspended Volatile	10	mg/L	
HCCD-01	WW_32	2002-06-10		Solids, Suspended Volatile	4	mg/L	
HCCD-01	WW_32	2001-06-11		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2003-06-09		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2003-07-14		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2002-11-12		Solids, Suspended Volatile	6	mg/L	
HCCD-01	WW_32	2003-04-14		Solids, Suspended Volatile	0	mg/L	
HCCD-01	WW_32	2001-02-13		Solids, Suspended Volatile	8	mg/L	
HCCD-01	WW_32	2001-10-08		Solids, Suspended Volatile	2	mg/L	
HCCD-01	WW_32	2001-03-12		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2003-05-12		Solids, Suspended Volatile	12	mg/L	
HCCD-01	WW_32	2001-04-09		Solids, Suspended Volatile	5	mg/L	
HCCD-01	WW_32	2001-11-13		Solids, Suspended Volatile	3	mg/L	
HCCD-01	WW_32	2004-05-10		Solids, Suspended Volatile	11	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Solids, Suspended Volatile	10	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Solids, Suspended Volatile	9	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Solids, Suspended Volatile	11.2	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Solids, Suspended Volatile	6	mg/L	
HCCD-09	HCCD-09	2006-09-18	12:30	Solids, Suspended Volatile	0.4	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Solids, Suspended Volatile	12	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2011-09-12		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2011-07-11		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2011-12-12		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2011-04-11		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2012-05-14		Solids, Suspended Volatile	2	mg/L	
HCCD-09	WW_105	2011-02-14		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2011-01-10		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2011-08-08		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2012-04-09		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2010-12-13		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2011-11-14		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2012-03-12		Solids, Suspended Volatile	2	mg/L	
HCCD-09	WW_105	2012-06-11		Solids, Suspended Volatile	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-06-13		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2011-03-14		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2012-02-14		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2012-01-17		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2012-07-16		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2010-10-11		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2011-05-09		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2011-10-10		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2010-11-08		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2004-09-13		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2005-03-14		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2003-09-08		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2002-08-12		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2003-11-10		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2004-03-08		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2004-08-09		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2001-07-09		Solids, Suspended Volatile	10	mg/L	
HCCD-09	WW_105	2002-05-13		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2002-06-10		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2002-07-08		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2003-10-13		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2005-06-13		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2001-06-11		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2004-11-08		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2003-02-10		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2002-12-09		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2003-06-09		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2003-01-13		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2005-04-11		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2003-05-12		Solids, Suspended Volatile	11	mg/L	
HCCD-09	WW_105	2003-03-10		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2003-04-14		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2001-03-12		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2003-08-11		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2004-10-11		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2002-10-14		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2002-09-09		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2001-05-14		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2005-09-12		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2005-05-09		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2004-12-13		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2003-07-14		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2002-11-12		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2001-04-09		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2002-01-14		Solids, Suspended Volatile	2	mg/L	
HCCD-09	WW_105	2001-10-08		Solids, Suspended Volatile	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2001-08-13		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2004-01-12		Solids, Suspended Volatile	11	mg/L	
HCCD-09	WW_105	2004-04-12		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2004-02-09		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2004-07-12		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2005-08-08		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2002-03-11		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2002-02-11		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2005-07-11		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2004-06-14		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2003-12-08		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2001-09-10		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2001-11-13		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2004-05-10		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2005-02-14		Solids, Suspended Volatile	12	mg/L	
HCCD-09	WW_105	2001-12-10		Solids, Suspended Volatile	2	mg/L	
HCCD-09	WW_105	2005-01-10		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2002-04-08		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2008-09-08		Solids, Suspended Volatile	10	mg/L	
HCCD-09	WW_105	2007-01-08		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2008-01-14		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2006-08-14		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2007-09-10		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2008-02-11		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2006-11-13		Solids, Suspended Volatile	10	mg/L	
HCCD-09	WW_105	2008-06-09		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2008-03-10		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2007-05-14		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2007-04-09		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2008-08-11		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2006-09-11		Solids, Suspended Volatile	17	mg/L	
HCCD-09	WW_105	2006-10-09		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2007-03-12		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2007-11-13		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2007-07-09		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2008-05-12		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2008-07-14		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2008-04-14		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2007-10-08		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2007-12-10		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2007-08-13		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2006-12-11		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2007-06-11		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2006-05-08		Solids, Suspended Volatile	16	mg/L	
HCCD-09	WW_105	2010-04-12		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2005-12-12		Solids, Suspended Volatile	5	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2009-04-13		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2010-03-08		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2009-05-11		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2006-06-12		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2005-11-14		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2009-02-09		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2010-06-14		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2010-05-10		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2009-03-09		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2006-02-14		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2009-08-10		Solids, Suspended Volatile	7	mg/L	
HCCD-09	WW_105	2009-11-09		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2009-09-14		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2006-03-13		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2009-10-12		Solids, Suspended Volatile	10	mg/L	
HCCD-09	WW_105	2009-06-08		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2006-04-10		Solids, Suspended Volatile	14	mg/L	
HCCD-09	WW_105	2010-01-11		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2006-01-09		Solids, Suspended Volatile	3	mg/L	
HCCD-09	WW_105	2010-02-08		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2009-12-14		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2009-07-13		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2008-12-08		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2010-09-13		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2006-07-10		Solids, Suspended Volatile	9	mg/L	
HCCD-09	WW_105	2005-10-10		Solids, Suspended Volatile	6	mg/L	
HCCD-09	WW_105	2008-10-13		Solids, Suspended Volatile	8	mg/L	
HCCD-09	WW_105	2010-07-12		Solids, Suspended Volatile	4	mg/L	
HCCD-09	WW_105	2010-08-09		Solids, Suspended Volatile	0	mg/L	
HCCD-09	WW_105	2008-11-10		Solids, Suspended Volatile	5	mg/L	
HCCD-09	WW_105	2009-01-12		Solids, Suspended Volatile	8	mg/L	
RHJ	RHJ-1	2011-05-04	11:47	Solids, Suspended Volatile	8	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Solids, Suspended Volatile	8	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Solids, Suspended Volatile	8	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Solids, Suspended Volatile	7	mg/L	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Solids, Suspended Volatile	4	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Solids, Suspended Volatile	11	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Solids, Suspended Volatile	11	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Solids, Suspended Volatile	7	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Solids, Suspended Volatile	12	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Solids, Suspended Volatile	6	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Solids, Suspended Volatile	21	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Solids, Suspended Volatile	4	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Solids, Suspended Volatile	9	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Solids, Suspended Volatile	6	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Solids, Suspended Volatile	9	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2004-07-01	15:00	Solids, Suspended Volatile	9	mg/L	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Solids, Suspended Volatile	9	mg/L	14 ft
RHJA	RHJA-1	2004-07-14	10:25	Solids, Suspended Volatile	7	mg/L	1 ft
RHJA	RHJA-1	2004-07-28	11:14	Solids, Suspended Volatile	7	mg/L	11 ft
RHJA	RHJA-1	2004-07-28	11:10	Solids, Suspended Volatile	20	mg/L	1 ft
RHJA	RHJA-1	2004-08-12	9:47	Solids, Suspended Volatile	8	mg/L	12 ft
RHJA	RHJA-1	2004-08-12	9:42	Solids, Suspended Volatile	9	mg/L	1 ft
RHJA	RHJA-1	2004-08-24	12:45	Solids, Suspended Volatile	7	mg/L	11 ft
RHJA	RHJA-1	2004-08-24	12:40	Solids, Suspended Volatile	12	mg/L	1 ft
RHJA	RHJA-1	2004-09-08	9:26	Solids, Suspended Volatile	8	mg/L	11 ft
RHJA	RHJA-1	2004-10-13	9:54	Solids, Suspended Volatile	10	mg/L	11 ft
RHJA	RHJA-1	2004-10-13	9:48	Solids, Suspended Volatile	10	mg/L	1 ft
RHJA	RHJA-1	2004-11-01	10:19	Solids, Suspended Volatile	10	mg/L	12 ft
RHJA	RHJA-1	2004-11-01	10:15	Solids, Suspended Volatile	10	mg/L	1 ft
RHJA	RHJA-1	2004-12-09	9:46	Solids, Suspended Volatile	8	mg/L	12 ft
RHJA	RHJA-1	2004-12-09	9:42	Solids, Suspended Volatile	8	mg/L	1 ft
RHJA	RHJA-1	2005-02-16	10:48	Solids, Suspended Volatile	4	mg/L	11 ft
RHJA	RHJA-1	2005-02-16	10:45	Solids, Suspended Volatile	2	mg/L	1 ft
RHJA	RHJA-1	2005-05-04	10:03	Solids, Suspended Volatile	6	mg/L	12 ft
RHJA	RHJA-1	2005-05-04	10:00	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Solids, Suspended Volatile	4	mg/L	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Solids, Suspended Volatile	0	mg/L	1 ft
RHJA	RHJA-1	2005-06-15	9:54	Solids, Suspended Volatile	4	mg/L	12 ft
RHJA	RHJA-1	2005-06-15	9:50	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Solids, Suspended Volatile	8	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Solids, Suspended Volatile	8	mg/L	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Solids, Suspended Volatile	3	mg/L	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Solids, Suspended Volatile	5	mg/L	1 ft
RHJA	RHJA-2	2004-07-01	16:22	Solids, Suspended Volatile	11	mg/L	15 ft
RHJA	RHJA-2	2004-07-14	11:31	Solids, Suspended Volatile	8	mg/L	16 ft
RHJA	RHJA-2	2004-07-14	11:25	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-2	2004-07-28	12:04	Solids, Suspended Volatile	5	mg/L	16 ft
RHJA	RHJA-2	2004-07-28	11:59	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-2	2004-08-12	10:50	Solids, Suspended Volatile	5	mg/L	16 ft
RHJA	RHJA-2	2004-08-12	10:45	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-2	2004-08-24	13:35	Solids, Suspended Volatile	5	mg/L	16 ft
RHJA	RHJA-2	2004-08-24	13:29	Solids, Suspended Volatile	9	mg/L	1 ft
RHJA	RHJA-2	2004-09-08	10:28	Solids, Suspended Volatile	8	mg/L	16 ft
RHJA	RHJA-2	2004-09-08	10:21	Solids, Suspended Volatile	7	mg/L	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Solids, Suspended Volatile	6	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Solids, Suspended Volatile	5	mg/L	1 ft
RHJA	RHJA-2	2004-10-13	10:45	Solids, Suspended Volatile	10	mg/L	16 ft
RHJA	RHJA-2	2004-10-13	10:42	Solids, Suspended Volatile	8	mg/L	1 ft
RHJA	RHJA-2	2004-11-01	11:23	Solids, Suspended Volatile	8	mg/L	16 ft
RHJA	RHJA-2	2005-02-16	11:36	Solids, Suspended Volatile	0	mg/L	15 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-02-16	11:32	Solids, Suspended Volatile	0	mg/L	1 ft
RHJA	RHJA-2	2005-05-04	10:57	Solids, Suspended Volatile	6	mg/L	16 ft
RHJA	RHJA-2	2005-05-04	10:51	Solids, Suspended Volatile	2	mg/L	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Solids, Suspended Volatile	0	mg/L	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-2	2005-06-15	10:58	Solids, Suspended Volatile	6	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-2	2005-07-27	10:39	Solids, Suspended Volatile	11	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-2	2005-08-11	10:07	Solids, Suspended Volatile	3	mg/L	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Solids, Suspended Volatile	5	mg/L	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Solids, Suspended Volatile	5	mg/L	13 ft
RHJA	RHJA-3	2004-07-14	11:50	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-3	2004-07-28	12:40	Solids, Suspended Volatile	4	mg/L	12 ft
RHJA	RHJA-3	2004-07-28	12:34	Solids, Suspended Volatile	7	mg/L	1 ft
RHJA	RHJA-3	2004-08-12	11:15	Solids, Suspended Volatile	5	mg/L	12 ft
RHJA	RHJA-3	2004-08-12	11:10	Solids, Suspended Volatile	5	mg/L	1 ft
RHJA	RHJA-3	2004-08-24	16:14	Solids, Suspended Volatile	11	mg/L	12 ft
RHJA	RHJA-3	2004-08-24	16:10	Solids, Suspended Volatile	5	mg/L	1 ft
RHJA	RHJA-3	2004-09-08	10:54	Solids, Suspended Volatile	7	mg/L	12 ft
RHJA	RHJA-3	2004-09-08	10:50	Solids, Suspended Volatile	7	mg/L	1 ft
RHJA	RHJA-3	2004-09-22	11:21	Solids, Suspended Volatile	4	mg/L	12 ft
RHJA	RHJA-3	2004-09-22	11:15	Solids, Suspended Volatile	9	mg/L	1 ft
RHJA	RHJA-3	2004-10-13	11:08	Solids, Suspended Volatile	8	mg/L	12 ft
RHJA	RHJA-3	2004-10-13	11:03	Solids, Suspended Volatile	8	mg/L	1 ft
RHJA	RHJA-3	2005-01-26	11:33	Solids, Suspended Volatile	8	mg/L	1 ft
RHJA	RHJA-3	2005-05-04	11:39	Solids, Suspended Volatile	0	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:32	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Solids, Suspended Volatile	0	mg/L	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Solids, Suspended Volatile	0	mg/L	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Solids, Suspended Volatile	4	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-3	2005-07-13	10:28	Solids, Suspended Volatile	10	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	10:58	Solids, Suspended Volatile	6	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Solids, Suspended Volatile	5	mg/L	12 ft
RHJA	RHJA-3	2005-08-11	10:35	Solids, Suspended Volatile	4	mg/L	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Solids, Suspended Volatile	3	mg/L	12 ft
HCC-07	WW_34	2001-01-16		Solids, Total	1822	mg/L	
HCC-07	WW_34	2001-02-13		Solids, Total	914	mg/L	
HCC-07	WW_96	2001-01-16		Solids, Total	1176	mg/L	
HCC-07	WW_96	2001-02-13		Solids, Total	860	mg/L	
HCCC-02	WW_31	2001-02-13		Solids, Total	934	mg/L	
HCCD-01	WW_32	2001-02-13		Solids, Total	1066	mg/L	
RHJ	RHJ-1	2011-06-14	9:18	Solids, Total	47.1	%	8 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2011-06-14	10:59	Solids, Total	47	%	5 ft
UHH	UHH-1	2002-05-14		Solids, Total Dissolved (TDS)	602	mg/L	3
UHH	UHH-1	2002-06-18		Solids, Total Dissolved (TDS)	704	mg/L	3
UHH	UHH-1	2002-07-23		Solids, Total Dissolved (TDS)	684	mg/L	3
UHH	UHH-1	2002-08-20		Solids, Total Dissolved (TDS)	680	mg/L	3
UHH	UHH-1	2002-09-17		Solids, Total Dissolved (TDS)	610	mg/L	3
UHH	UHH-2	2002-05-14		Solids, Total Dissolved (TDS)	782	mg/L	3
UHH	UHH-2	2002-06-18		Solids, Total Dissolved (TDS)	720	mg/L	3
UHH	UHH-2	2002-07-23		Solids, Total Dissolved (TDS)	670	mg/L	3
UHH	UHH-2	2002-08-20		Solids, Total Dissolved (TDS)	658	mg/L	3
UHH	UHH-2	2002-09-17		Solids, Total Dissolved (TDS)	610	mg/L	3
HCC-07	HCC-07	2011-06-02	12:50	Solids, Total Suspended (TSS)	28	mg/L	
HCC-07	HCC-07	2003-08-21	12:30	Solids, Total Suspended (TSS)	39	mg/L	
HCC-07	HCC-07	2004-05-13	12:45	Solids, Total Suspended (TSS)	69	mg/L	
HCC-07	HCC-07	2004-04-12	13:30	Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	HCC-07	2004-08-04	13:15	Solids, Total Suspended (TSS)	153	mg/L	
HCC-07	HCC-07	2004-06-21	12:45	Solids, Total Suspended (TSS)	30	mg/L	
HCC-07	HCC-07	2003-12-22	12:45	Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	HCC-07	2004-03-10	13:15	Solids, Total Suspended (TSS)	33	mg/L	
HCC-07	HCC-07	2004-02-05	11:30	Solids, Total Suspended (TSS)	21	mg/L	
HCC-07	HCC-07	2003-09-23	12:30	Solids, Total Suspended (TSS)	35	mg/L	
HCC-07	HCC-07	2003-11-06	12:15	Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	HCC-07	2011-04-20	9:00	Solids, Total Suspended (TSS)	71	mg/L	
HCC-07	HCC-07	2004-10-26	11:30	Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	HCC-07	2004-09-14	12:15	Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	HCC-07	2011-03-03	9:15	Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	HCC-07	2009-05-28	11:45	Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	HCC-07	2009-04-27	11:55	Solids, Total Suspended (TSS)	44	mg/L	
HCC-07	HCC-07	2009-06-29	11:00	Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	HCC-07	2009-03-23	10:45	Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	HCC-07	2009-03-05	8:40	Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	HCC-07	2009-12-08	10:00	Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	HCC-07	2009-11-05	9:15	Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	HCC-07	2010-01-25	10:33	Solids, Total Suspended (TSS)	38	mg/L	
HCC-07	HCC-07	2009-08-06	11:00	Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	HCC-07	2009-09-15	11:25	Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	HCC-07	2011-10-20	12:05	Solids, Total Suspended (TSS)	51	mg/L	
HCC-07	HCC-07	2011-12-14	13:45	Solids, Total Suspended (TSS)	122	mg/L	
HCC-07	HCC-07	2011-07-21	9:10	Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	HCC-07	2008-11-10	0:00	Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	HCC-07	2008-12-08	10:40	Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	HCC-07	2011-06-28	11:30	Solids, Total Suspended (TSS)	24	mg/L	
HCC-07	HCC-07	2010-05-26	12:05	Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	HCC-07	2010-07-01	12:20	Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	HCC-07	2010-08-05	10:45	Solids, Total Suspended (TSS)	31	mg/L	
HCC-07	HCC-07	2010-03-12	10:00	Solids, Total Suspended (TSS)	35	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2010-04-14	11:40	Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	HCC-07	2010-12-13	9:00	Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	HCC-07	2011-09-12	9:35	Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	HCC-07	2010-09-16	11:20	Solids, Total Suspended (TSS)	36	mg/L	
HCC-07	HCC-07	2010-11-09	9:30	Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	HCC-07	2012-05-29	9:40	Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	HCC-07	2006-11-29	9:30	Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	HCC-07	2007-01-11	13:30	Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	HCC-07	2006-11-06	10:40	Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	HCC-07	2006-09-28	10:00	Solids, Total Suspended (TSS)	29	mg/L	
HCC-07	HCC-07	2006-09-07	12:50	Solids, Total Suspended (TSS)	43	mg/L	
HCC-07	HCC-07	2006-07-25	9:00	Solids, Total Suspended (TSS)	32	mg/L	
HCC-07	HCC-07	2012-04-16	9:14	Solids, Total Suspended (TSS)	43	mg/L	
HCC-07	HCC-07	2013-04-16	9:00	Solids, Total Suspended (TSS)	47	mg/L	
HCC-07	HCC-07	2006-09-18	8:20	Solids, Total Suspended (TSS)	57	mg/L	
HCC-07	HCC-07	2013-05-20	13:10	Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	HCC-07	2013-07-01	10:00	Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	HCC-07	2012-09-17	9:14	Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	HCC-07	2005-10-26	9:30	Solids, Total Suspended (TSS)	32.8	mg/L	
HCC-07	HCC-07	2013-08-05	10:49	Solids, Total Suspended (TSS)	26	mg/L	
HCC-07	HCC-07	2012-06-25	8:29	Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	HCC-07	2012-07-24	9:00	Solids, Total Suspended (TSS)	74	mg/L	
HCC-07	HCC-07	2006-04-05	11:30	Solids, Total Suspended (TSS)	26	mg/L	
HCC-07	HCC-07	2006-03-07	10:10	Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	HCC-07	2006-07-19	9:30	Solids, Total Suspended (TSS)	32	mg/L	
HCC-07	HCC-07	2006-05-25	10:55	Solids, Total Suspended (TSS)	112	mg/L	
HCC-07	HCC-07	2006-07-11	9:33	Solids, Total Suspended (TSS)	28	mg/L	
HCC-07	HCC-07	2012-01-26	10:00	Solids, Total Suspended (TSS)	24	mg/L	
HCC-07	HCC-07	2013-03-14	7:59	Solids, Total Suspended (TSS)	32	mg/L	
HCC-07	HCC-07	2012-03-13	10:00	Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	HCC-07	2013-01-30	9:54	Solids, Total Suspended (TSS)	113	mg/L	
HCC-07	HCC-07	2006-01-24	9:25	Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	HCC-07	2005-06-06	12:45	Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	HCC-07	2013-12-10	9:00	Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	HCC-07	2005-08-08	13:15	Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	HCC-07	2003-03-20	12:30	Solids, Total Suspended (TSS)	31	mg/L	
HCC-07	HCC-07	2013-10-29	13:45	Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	HCC-07	2005-05-03	12:45	Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	HCC-07	2012-12-17	8:45	Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	HCC-07	2012-10-29	10:59	Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	HCC-07	2005-11-17	10:20	Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	HCC-07	2003-06-04	13:15	Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	HCC-07	2003-04-30	13:20	Solids, Total Suspended (TSS)	61	mg/L	
HCC-07	HCC-07	2013-09-26	9:20	Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	HCC-07	2003-07-16	13:20	Solids, Total Suspended (TSS)	73	mg/L	
HCC-07	HCC-07	2005-09-07	11:30	Solids, Total Suspended (TSS)	30	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2003-01-30	13:00	Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	HCC-07	2005-04-05	12:40	Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	HCC-07	2005-03-03	11:15	Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2012-06-11		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_34	2011-01-10		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2012-05-14		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_34	2011-08-08		Solids, Total Suspended (TSS)	39	mg/L	
HCC-07	WW_34	2011-11-14		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2012-04-09		Solids, Total Suspended (TSS)	38	mg/L	
HCC-07	WW_34	2011-12-12		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_34	2011-07-11		Solids, Total Suspended (TSS)	29	mg/L	
HCC-07	WW_34	2011-04-11		Solids, Total Suspended (TSS)	21	mg/L	
HCC-07	WW_34	2011-03-14		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_34	2011-06-13		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2012-02-14		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_34	2011-05-09		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2012-01-17		Solids, Total Suspended (TSS)	29	mg/L	
HCC-07	WW_34	2012-07-16		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_34	2011-10-10		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2012-03-12		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2011-09-12		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2004-06-14		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2005-08-08		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_34	2005-02-14		Solids, Total Suspended (TSS)	63	mg/L	
HCC-07	WW_34	2004-08-09		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_34	2005-04-11		Solids, Total Suspended (TSS)	0	mg/L	
HCC-07	WW_34	2005-07-11		Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	WW_34	2005-05-09		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2005-01-10		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_34	2005-03-14		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2005-09-12		Solids, Total Suspended (TSS)	38	mg/L	
HCC-07	WW_34	2004-10-11		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_34	2004-12-13		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2005-06-13		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2004-11-08		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_34	2004-07-12		Solids, Total Suspended (TSS)	38	mg/L	
HCC-07	WW_34	2004-09-13		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2006-08-14		Solids, Total Suspended (TSS)	30	mg/L	
HCC-07	WW_34	2005-10-10		Solids, Total Suspended (TSS)	32	mg/L	
HCC-07	WW_34	2006-12-11		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_34	2007-04-09		Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	WW_34	2006-03-13		Solids, Total Suspended (TSS)	98	mg/L	
HCC-07	WW_34	2005-11-14		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2007-01-08		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_34	2006-06-12		Solids, Total Suspended (TSS)	47	mg/L	
HCC-07	WW_34	2007-03-12		Solids, Total Suspended (TSS)	25	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-01-09		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_34	2006-05-08		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_34	2006-10-09		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2006-07-10		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_34	2006-02-14		Solids, Total Suspended (TSS)	24	mg/L	
HCC-07	WW_34	2006-11-13		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_34	2006-04-10		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2006-09-11		Solids, Total Suspended (TSS)	141	mg/L	
HCC-07	WW_34	2009-08-10		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_34	2007-10-08		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2009-07-13		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_34	2008-11-10		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_34	2008-04-14		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_34	2007-11-13		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2007-09-10		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_34	2009-11-09		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_34	2009-09-14		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_34	2009-10-12		Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	WW_34	2008-10-13		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2008-01-14		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2009-04-13		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2009-01-12		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_34	2009-02-09		Solids, Total Suspended (TSS)	27	mg/L	
HCC-07	WW_34	2009-03-09		Solids, Total Suspended (TSS)	50	mg/L	
HCC-07	WW_34	2008-03-10		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_34	2009-06-08		Solids, Total Suspended (TSS)	95	mg/L	
HCC-07	WW_34	2009-05-11		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_34	2008-12-08		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2007-12-10		Solids, Total Suspended (TSS)	21	mg/L	
HCC-07	WW_34	2007-06-11		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_34	2010-06-14		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_34	2008-08-11		Solids, Total Suspended (TSS)	49	mg/L	
HCC-07	WW_34	2010-05-10		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2008-07-14		Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	WW_34	2008-06-09		Solids, Total Suspended (TSS)	46	mg/L	
HCC-07	WW_34	2010-08-09		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2010-07-12		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_34	2007-05-14		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2010-02-08		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2010-03-08		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_34	2007-08-13		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2009-12-14		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2010-01-11		Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	WW_34	2008-05-12		Solids, Total Suspended (TSS)	28	mg/L	
HCC-07	WW_34	2008-09-08		Solids, Total Suspended (TSS)	46	mg/L	
HCC-07	WW_34	2007-07-09		Solids, Total Suspended (TSS)	12	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2010-04-12		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_34	2002-02-11		Solids, Total Suspended (TSS)	40	mg/L	
HCC-07	WW_34	2002-05-13		Solids, Total Suspended (TSS)	50	mg/L	
HCC-07	WW_34	2001-06-11		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2001-03-12		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2002-06-10		Solids, Total Suspended (TSS)	26	mg/L	
HCC-07	WW_34	2003-03-10		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2003-06-09		Solids, Total Suspended (TSS)	33	mg/L	
HCC-07	WW_34	2003-11-10		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_34	2003-05-12		Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	WW_34	2004-01-12		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_34	2001-01-16		Solids, Total Suspended (TSS)	42	mg/L	
HCC-07	WW_34	2002-03-11		Solids, Total Suspended (TSS)	27	mg/L	
HCC-07	WW_34	2004-02-09		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2001-10-08		Solids, Total Suspended (TSS)	30	mg/L	
HCC-07	WW_34	2003-04-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_34	2003-12-08		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_34	2001-02-13		Solids, Total Suspended (TSS)	46	mg/L	
HCC-07	WW_34	2001-07-09		Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	WW_34	2001-08-13		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_34	2004-03-08		Solids, Total Suspended (TSS)	47	mg/L	
HCC-07	WW_34	2002-04-08		Solids, Total Suspended (TSS)	35	mg/L	
HCC-07	WW_34	2003-07-14		Solids, Total Suspended (TSS)	31	mg/L	
HCC-07	WW_34	2003-09-08		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2002-11-12		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_34	2002-08-12		Solids, Total Suspended (TSS)	50	mg/L	
HCC-07	WW_34	2001-05-14		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2002-10-14		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_34	2003-08-11		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_34	2004-05-10		Solids, Total Suspended (TSS)	27	mg/L	
HCC-07	WW_34	2002-09-09		Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	WW_34	2001-09-10		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_34	2001-12-10		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_34	2001-04-09		Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	WW_34	2003-10-13		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_34	2002-01-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_34	2002-07-08		Solids, Total Suspended (TSS)	30	mg/L	
HCC-07	WW_34	2003-01-13		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_34	2001-11-13		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_34	2002-12-09		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_34	2004-04-12		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2011-09-12		Solids, Total Suspended (TSS)	0	mg/L	
HCC-07	WW_96	2014-03-10		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2010-12-13		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2014-05-12		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_96	2012-03-12		Solids, Total Suspended (TSS)	19	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2014-04-14		Solids, Total Suspended (TSS)	33	mg/L	
HCC-07	WW_96	2010-10-11		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_96	2014-10-13		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_96	2014-12-08		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_96	2014-11-10		Solids, Total Suspended (TSS)	0	mg/L	
HCC-07	WW_96	2011-12-12		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2011-11-14		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2014-07-14		Solids, Total Suspended (TSS)	35	mg/L	
HCC-07	WW_96	2012-02-14		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_96	2014-06-09		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_96	2010-11-08		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_96	2011-10-10		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_96	2014-09-15		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_96	2012-01-17		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2014-08-11		Solids, Total Suspended (TSS)	29	mg/L	
HCC-07	WW_96	2013-04-08		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_96	2012-09-10		Solids, Total Suspended (TSS)	21	mg/L	
HCC-07	WW_96	2011-05-09		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2013-06-10		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2013-05-13		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_96	2012-08-13		Solids, Total Suspended (TSS)	26	mg/L	
HCC-07	WW_96	2011-03-14		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2013-03-11		Solids, Total Suspended (TSS)	86	mg/L	
HCC-07	WW_96	2011-04-11		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2013-01-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2012-12-10		Solids, Total Suspended (TSS)	0	mg/L	
HCC-07	WW_96	2012-11-13		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2013-02-11		Solids, Total Suspended (TSS)	55	mg/L	
HCC-07	WW_96	2012-10-08		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_96	2012-05-14		Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	WW_96	2011-01-10		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_96	2013-12-09		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2013-11-12		Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	WW_96	2011-07-11		Solids, Total Suspended (TSS)	50	mg/L	
HCC-07	WW_96	2012-04-09		Solids, Total Suspended (TSS)	3	mg/L	
HCC-07	WW_96	2011-08-08		Solids, Total Suspended (TSS)	65	mg/L	
HCC-07	WW_96	2014-01-13		Solids, Total Suspended (TSS)	53	mg/L	
HCC-07	WW_96	2011-06-13		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2013-08-12		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_96	2012-07-16		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2013-07-15		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2013-10-14		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2013-09-16		Solids, Total Suspended (TSS)	93	mg/L	
HCC-07	WW_96	2012-06-11		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2005-04-11		Solids, Total Suspended (TSS)	3	mg/L	
HCC-07	WW_96	2004-10-11		Solids, Total Suspended (TSS)	20	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2004-12-13		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2005-05-09		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_96	2004-11-08		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2005-07-11		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2004-07-12		Solids, Total Suspended (TSS)	35	mg/L	
HCC-07	WW_96	2005-02-14		Solids, Total Suspended (TSS)	31	mg/L	
HCC-07	WW_96	2005-08-08		Solids, Total Suspended (TSS)	27	mg/L	
HCC-07	WW_96	2004-06-14		Solids, Total Suspended (TSS)	52	mg/L	
HCC-07	WW_96	2005-01-10		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2005-06-13		Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	WW_96	2004-09-13		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2005-09-12		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_96	2005-03-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2004-08-09		Solids, Total Suspended (TSS)	24	mg/L	
HCC-07	WW_96	2010-04-12		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2005-10-10		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2007-07-09		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2007-03-12		Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	WW_96	2006-08-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2010-03-08		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_96	2010-09-13		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_96	2008-10-13		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_96	2005-11-14		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2006-10-09		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2006-09-11		Solids, Total Suspended (TSS)	92	mg/L	
HCC-07	WW_96	2007-05-14		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_96	2008-08-11		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2010-07-12		Solids, Total Suspended (TSS)	67	mg/L	
HCC-07	WW_96	2007-04-09		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2008-06-09		Solids, Total Suspended (TSS)	111	mg/L	
HCC-07	WW_96	2010-05-10		Solids, Total Suspended (TSS)	6	mg/L	
HCC-07	WW_96	2007-06-11		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_96	2010-06-14		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_96	2008-09-08		Solids, Total Suspended (TSS)	46	mg/L	
HCC-07	WW_96	2010-08-09		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2008-05-12		Solids, Total Suspended (TSS)	46	mg/L	
HCC-07	WW_96	2008-07-14		Solids, Total Suspended (TSS)	42	mg/L	
HCC-07	WW_96	2009-07-13		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2008-02-11		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2009-03-09		Solids, Total Suspended (TSS)	65	mg/L	
HCC-07	WW_96	2007-11-13		Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	WW_96	2009-02-09		Solids, Total Suspended (TSS)	57	mg/L	
HCC-07	WW_96	2009-08-10		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2006-03-13		Solids, Total Suspended (TSS)	77	mg/L	
HCC-07	WW_96	2007-10-08		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2006-06-12		Solids, Total Suspended (TSS)	17	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2009-04-13		Solids, Total Suspended (TSS)	4	mg/L	
HCC-07	WW_96	2008-01-14		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_96	2009-05-11		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2007-12-10		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2006-12-11		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2006-05-08		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2006-04-10		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2009-06-08		Solids, Total Suspended (TSS)	54	mg/L	
HCC-07	WW_96	2006-07-10		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_96	2009-12-14		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2009-11-09		Solids, Total Suspended (TSS)	10	mg/L	
HCC-07	WW_96	2008-12-08		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2010-02-08		Solids, Total Suspended (TSS)	7	mg/L	
HCC-07	WW_96	2008-04-14		Solids, Total Suspended (TSS)	31	mg/L	
HCC-07	WW_96	2006-01-09		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2008-11-10		Solids, Total Suspended (TSS)	3	mg/L	
HCC-07	WW_96	2007-08-13		Solids, Total Suspended (TSS)	41	mg/L	
HCC-07	WW_96	2009-09-14		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2009-01-12		Solids, Total Suspended (TSS)	0	mg/L	
HCC-07	WW_96	2006-02-14		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2007-01-08		Solids, Total Suspended (TSS)	15	mg/L	
HCC-07	WW_96	2008-03-10		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_96	2006-11-13		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_96	2009-10-12		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_96	2007-09-10		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2002-10-14		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2002-09-09		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_96	2003-05-12		Solids, Total Suspended (TSS)	48	mg/L	
HCC-07	WW_96	2003-08-11		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2001-01-16		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_96	2002-12-09		Solids, Total Suspended (TSS)	9	mg/L	
HCC-07	WW_96	2003-06-09		Solids, Total Suspended (TSS)	26	mg/L	
HCC-07	WW_96	2001-03-12		Solids, Total Suspended (TSS)	12	mg/L	
HCC-07	WW_96	2003-01-13		Solids, Total Suspended (TSS)	8	mg/L	
HCC-07	WW_96	2001-04-09		Solids, Total Suspended (TSS)	19	mg/L	
HCC-07	WW_96	2003-04-14		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2001-02-13		Solids, Total Suspended (TSS)	18	mg/L	
HCC-07	WW_96	2003-07-14		Solids, Total Suspended (TSS)	22	mg/L	
HCC-07	WW_96	2002-11-12		Solids, Total Suspended (TSS)	5	mg/L	
HCC-07	WW_96	2002-02-11		Solids, Total Suspended (TSS)	37	mg/L	
HCC-07	WW_96	2004-03-08		Solids, Total Suspended (TSS)	40	mg/L	
HCC-07	WW_96	2002-01-14		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2002-03-11		Solids, Total Suspended (TSS)	36	mg/L	
HCC-07	WW_96	2001-08-13		Solids, Total Suspended (TSS)	23	mg/L	
HCC-07	WW_96	2001-11-13		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2004-05-10		Solids, Total Suspended (TSS)	10	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2001-10-08		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2004-01-12		Solids, Total Suspended (TSS)	11	mg/L	
HCC-07	WW_96	2004-04-12		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2001-09-10		Solids, Total Suspended (TSS)	34	mg/L	
HCC-07	WW_96	2001-12-10		Solids, Total Suspended (TSS)	21	mg/L	
HCC-07	WW_96	2003-10-13		Solids, Total Suspended (TSS)	17	mg/L	
HCC-07	WW_96	2002-07-08		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2002-06-10		Solids, Total Suspended (TSS)	28	mg/L	
HCC-07	WW_96	2003-09-08		Solids, Total Suspended (TSS)	16	mg/L	
HCC-07	WW_96	2001-05-14		Solids, Total Suspended (TSS)	36	mg/L	
HCC-07	WW_96	2002-08-12		Solids, Total Suspended (TSS)	25	mg/L	
HCC-07	WW_96	2002-04-08		Solids, Total Suspended (TSS)	29	mg/L	
HCC-07	WW_96	2003-12-08		Solids, Total Suspended (TSS)	13	mg/L	
HCC-07	WW_96	2001-07-09		Solids, Total Suspended (TSS)	30	mg/L	
HCC-07	WW_96	2003-11-10		Solids, Total Suspended (TSS)	20	mg/L	
HCC-07	WW_96	2001-06-11		Solids, Total Suspended (TSS)	14	mg/L	
HCC-07	WW_96	2002-05-13		Solids, Total Suspended (TSS)	69	mg/L	
HCCB-05	HCCB-05	2006-07-13	12:45	Solids, Total Suspended (TSS)	20	mg/L	
HCCB-05	HCCB-05	2006-07-21	10:55	Solids, Total Suspended (TSS)	8	mg/L	
HCCB-05	HCCB-05	2006-09-18	11:10	Solids, Total Suspended (TSS)	18	mg/L	
HCCB-05	HCCB-05	2006-09-06	10:05	Solids, Total Suspended (TSS)	13	mg/L	
HCCB-05	HCCB-13	2011-08-29	15:33	Solids, Total Suspended (TSS)	11	mg/L	
HCCB-05	HCCB-13	2011-09-19	12:30	Solids, Total Suspended (TSS)	16	mg/L	
HCCB-05	HCCB-13	2006-09-18	11:25	Solids, Total Suspended (TSS)	19.6	mg/L	
HCCB-05	HCCB-13	2006-07-25	12:00	Solids, Total Suspended (TSS)	23.2	mg/L	
HCCB-05	HCCB-13	2011-06-20	13:15	Solids, Total Suspended (TSS)	24	mg/L	
HCCB-05	HCCB-13	2011-08-17	11:55	Solids, Total Suspended (TSS)	6	mg/L	
HCCB-05	HCCB-13	2006-06-12	14:50	Solids, Total Suspended (TSS)	14.4	mg/L	
HCCB-05	HCCB-13	2011-06-29	6:30	Solids, Total Suspended (TSS)	6	mg/L	
HCCB-05	WW_106	2012-03-12		Solids, Total Suspended (TSS)	20	mg/L	
HCCB-05	WW_106	2010-10-11		Solids, Total Suspended (TSS)	5	mg/L	
HCCB-05	WW_106	2012-02-14		Solids, Total Suspended (TSS)	47	mg/L	
HCCB-05	WW_106	2011-11-14		Solids, Total Suspended (TSS)	30	mg/L	
HCCB-05	WW_106	2010-12-13		Solids, Total Suspended (TSS)	85	mg/L	
HCCB-05	WW_106	2012-01-17		Solids, Total Suspended (TSS)	44	mg/L	
HCCB-05	WW_106	2011-12-12		Solids, Total Suspended (TSS)	64	mg/L	
HCCB-05	WW_106	2010-11-08		Solids, Total Suspended (TSS)	10	mg/L	
HCCB-05	WW_106	2011-03-14		Solids, Total Suspended (TSS)	19	mg/L	
HCCB-05	WW_106	2011-02-14		Solids, Total Suspended (TSS)	30	mg/L	
HCCB-05	WW_106	2012-05-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCB-05	WW_106	2011-07-11		Solids, Total Suspended (TSS)	30	mg/L	
HCCB-05	WW_106	2011-05-09		Solids, Total Suspended (TSS)	6	mg/L	
HCCB-05	WW_106	2011-04-11		Solids, Total Suspended (TSS)	17	mg/L	
HCCB-05	WW_106	2011-06-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCB-05	WW_106	2012-07-16		Solids, Total Suspended (TSS)	4	mg/L	
HCCB-05	WW_106	2011-08-08		Solids, Total Suspended (TSS)	43	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-01-10		Solids, Total Suspended (TSS)	80	mg/L	
HCCB-05	WW_106	2005-02-14		Solids, Total Suspended (TSS)	31	mg/L	
HCCB-05	WW_106	2004-10-11		Solids, Total Suspended (TSS)	36	mg/L	
HCCB-05	WW_106	2004-03-08		Solids, Total Suspended (TSS)	50	mg/L	
HCCB-05	WW_106	2002-02-11		Solids, Total Suspended (TSS)	46	mg/L	
HCCB-05	WW_106	2001-09-10		Solids, Total Suspended (TSS)	41	mg/L	
HCCB-05	WW_106	2001-03-12		Solids, Total Suspended (TSS)	19	mg/L	
HCCB-05	WW_106	2003-05-12		Solids, Total Suspended (TSS)	63	mg/L	
HCCB-05	WW_106	2004-05-10		Solids, Total Suspended (TSS)	27	mg/L	
HCCB-05	WW_106	2003-07-14		Solids, Total Suspended (TSS)	63	mg/L	
HCCB-05	WW_106	2001-04-09		Solids, Total Suspended (TSS)	58	mg/L	
HCCB-05	WW_106	2004-11-08		Solids, Total Suspended (TSS)	57	mg/L	
HCCB-05	WW_106	2004-04-12		Solids, Total Suspended (TSS)	20	mg/L	
HCCB-05	WW_106	2004-06-14		Solids, Total Suspended (TSS)	21	mg/L	
HCCB-05	WW_106	2005-08-08		Solids, Total Suspended (TSS)	24	mg/L	
HCCB-05	WW_106	2002-03-11		Solids, Total Suspended (TSS)	26	mg/L	
HCCB-05	WW_106	2004-01-12		Solids, Total Suspended (TSS)	145	mg/L	
HCCB-05	WW_106	2003-10-13		Solids, Total Suspended (TSS)	26	mg/L	
HCCB-05	WW_106	2002-06-10		Solids, Total Suspended (TSS)	24	mg/L	
HCCB-05	WW_106	2002-04-08		Solids, Total Suspended (TSS)	39	mg/L	
HCCB-05	WW_106	2005-03-14		Solids, Total Suspended (TSS)	53	mg/L	
HCCB-05	WW_106	2002-08-12		Solids, Total Suspended (TSS)	59	mg/L	
HCCB-05	WW_106	2001-05-14		Solids, Total Suspended (TSS)	102	mg/L	
HCCB-05	WW_106	2001-06-11		Solids, Total Suspended (TSS)	14	mg/L	
HCCB-05	WW_106	2004-02-09		Solids, Total Suspended (TSS)	93	mg/L	
HCCB-05	WW_106	2002-05-13		Solids, Total Suspended (TSS)	45	mg/L	
HCCB-05	WW_106	2007-12-10		Solids, Total Suspended (TSS)	49	mg/L	
HCCB-05	WW_106	2009-08-10		Solids, Total Suspended (TSS)	18	mg/L	
HCCB-05	WW_106	2006-10-09		Solids, Total Suspended (TSS)	39	mg/L	
HCCB-05	WW_106	2010-03-08		Solids, Total Suspended (TSS)	12	mg/L	
HCCB-05	WW_106	2008-05-12		Solids, Total Suspended (TSS)	36	mg/L	
HCCB-05	WW_106	2009-05-11		Solids, Total Suspended (TSS)	18	mg/L	
HCCB-05	WW_106	2008-03-10		Solids, Total Suspended (TSS)	57	mg/L	
HCCB-05	WW_106	2009-12-14		Solids, Total Suspended (TSS)	25	mg/L	
HCCB-05	WW_106	2010-08-09		Solids, Total Suspended (TSS)	30	mg/L	
HCCB-05	WW_106	2010-02-08		Solids, Total Suspended (TSS)	40	mg/L	
HCCB-05	WW_106	2006-01-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCB-05	WW_106	2010-09-13		Solids, Total Suspended (TSS)	6	mg/L	
HCCB-05	WW_106	2007-01-08		Solids, Total Suspended (TSS)	29	mg/L	
HCCB-05	WW_106	2009-11-09		Solids, Total Suspended (TSS)	18	mg/L	
HCCB-05	WW_106	2008-11-10		Solids, Total Suspended (TSS)	147	mg/L	
HCCB-05	WW_106	2008-04-14		Solids, Total Suspended (TSS)	22	mg/L	
HCCB-05	WW_106	2009-06-08		Solids, Total Suspended (TSS)	42	mg/L	
HCCB-05	WW_106	2008-09-08		Solids, Total Suspended (TSS)	30	mg/L	
HCCB-05	WW_106	2009-09-14		Solids, Total Suspended (TSS)	29	mg/L	
HCCB-05	WW_106	2008-10-13		Solids, Total Suspended (TSS)	10	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2008-08-11		Solids, Total Suspended (TSS)	53	mg/L	
HCCB-05	WW_106	2007-03-12		Solids, Total Suspended (TSS)	20	mg/L	
HCCB-05	WW_106	2008-07-14		Solids, Total Suspended (TSS)	27	mg/L	
HCCB-05	WW_106	2009-03-09		Solids, Total Suspended (TSS)	78	mg/L	
HCCB-05	WW_106	2008-01-14		Solids, Total Suspended (TSS)	25	mg/L	
HCCB-05	WW_106	2006-09-11		Solids, Total Suspended (TSS)	224	mg/L	
HCCB-05	WW_106	2010-07-12		Solids, Total Suspended (TSS)	9	mg/L	
HCCB-05	WW_106	2009-02-09		Solids, Total Suspended (TSS)	32	mg/L	
HCCB-05	WW_106	2005-11-14		Solids, Total Suspended (TSS)	18	mg/L	
HCCB-05	WW_106	2009-01-12		Solids, Total Suspended (TSS)	70	mg/L	
HCCB-05	WW_106	2008-12-08		Solids, Total Suspended (TSS)	207	mg/L	
HCCB-05	WW_106	2009-04-13		Solids, Total Suspended (TSS)	14	mg/L	
HCCB-05	WW_106	2008-06-09		Solids, Total Suspended (TSS)	62	mg/L	
HCCB-05	WW_106	2006-12-11		Solids, Total Suspended (TSS)	46	mg/L	
HCCB-05	WW_106	2006-03-13		Solids, Total Suspended (TSS)	146	mg/L	
HCCB-05	WW_106	2010-04-12		Solids, Total Suspended (TSS)	42	mg/L	
HCCB-05	WW_106	2010-05-10		Solids, Total Suspended (TSS)	12	mg/L	
HCCB-05	WW_106	2007-08-13		Solids, Total Suspended (TSS)	4	mg/L	
HCCB-05	WW_106	2009-10-12		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-02	HCCC-02	2013-01-30	9:00	Solids, Total Suspended (TSS)	121	mg/L	
HCCC-02	HCCC-02	2011-04-20	10:15	Solids, Total Suspended (TSS)	59	mg/L	
HCCC-02	HCCC-02	2013-05-20	12:00	Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	HCCC-02	2012-06-25	9:30	Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	HCCC-02	2013-09-26	8:39	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-02	2013-10-29	12:50	Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	HCCC-02	2011-03-03	10:15	Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	HCCC-02	2012-05-29	9:00	Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	HCCC-02	2011-06-02	11:20	Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	HCCC-02	2013-08-05	9:54	Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	HCCC-02	2012-09-17	10:04	Solids, Total Suspended (TSS)	24	mg/L	
HCCC-02	HCCC-02	2012-07-24	9:34	Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	HCCC-02	2013-07-01	9:14	Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	HCCC-02	2011-09-12	8:50	Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	HCCC-02	2013-03-14	9:30	Solids, Total Suspended (TSS)	38	mg/L	
HCCC-02	HCCC-02	2012-12-17	9:44	Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	HCCC-02	2012-03-13	9:00	Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	HCCC-02	2012-10-29	11:55	Solids, Total Suspended (TSS)	26	mg/L	
HCCC-02	HCCC-02	2011-06-28	12:30	Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	HCCC-02	2013-04-16	10:00	Solids, Total Suspended (TSS)	25	mg/L	
HCCC-02	HCCC-02	2012-04-16	10:00	Solids, Total Suspended (TSS)	47	mg/L	
HCCC-02	HCCC-02	2011-07-21	8:30	Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	HCCC-02	2003-07-16	12:15	Solids, Total Suspended (TSS)	29	mg/L	
HCCC-02	HCCC-02	2003-04-30	11:45	Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	HCCC-02	2003-06-04	11:30	Solids, Total Suspended (TSS)	21	mg/L	
HCCC-02	HCCC-02	2003-09-23	11:30	Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	HCCC-02	2003-08-21	11:00	Solids, Total Suspended (TSS)	19	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2005-06-06	11:30	Solids, Total Suspended (TSS)	34	mg/L	
HCCC-02	HCCC-02	2005-05-03	11:30	Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	HCCC-02	2005-04-05	11:45	Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	HCCC-02	2003-03-10	12:55	Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	HCCC-02	2005-08-08	11:45	Solids, Total Suspended (TSS)	82	mg/L	
HCCC-02	HCCC-02	2005-11-17	9:30	Solids, Total Suspended (TSS)	26	mg/L	
HCCC-02	HCCC-02	2003-11-06	10:45	Solids, Total Suspended (TSS)	39	mg/L	
HCCC-02	HCCC-02	2004-10-26	10:30	Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	HCCC-02	2004-04-12	12:00	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-02	2004-03-10	12:00	Solids, Total Suspended (TSS)	33	mg/L	
HCCC-02	HCCC-02	2004-08-04	11:15	Solids, Total Suspended (TSS)	43	mg/L	
HCCC-02	HCCC-02	2004-09-14	11:00	Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	HCCC-02	2004-05-13	11:30	Solids, Total Suspended (TSS)	46	mg/L	
HCCC-02	HCCC-02	2004-06-21	11:00	Solids, Total Suspended (TSS)	40	mg/L	
HCCC-02	HCCC-02	2006-03-07	9:20	Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	HCCC-02	2006-04-05	9:16	Solids, Total Suspended (TSS)	30	mg/L	
HCCC-02	HCCC-02	2006-05-25	9:55	Solids, Total Suspended (TSS)	21	mg/L	
HCCC-02	HCCC-02	2006-01-24	8:30	Solids, Total Suspended (TSS)	40	mg/L	
HCCC-02	HCCC-02	2006-07-25	13:00	Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	HCCC-02	2006-09-18	10:15	Solids, Total Suspended (TSS)	19	mg/L	
HCCC-02	HCCC-02	2006-09-06	10:55	Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	HCCC-02	2006-07-21	9:50	Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	HCCC-02	2006-07-13	11:00	Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	HCCC-02	2005-09-07	10:00	Solids, Total Suspended (TSS)	24	mg/L	
HCCC-02	HCCC-02	2005-03-03	10:00	Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	HCCC-02	2005-10-20	11:45	Solids, Total Suspended (TSS)	26.5	mg/L	
HCCC-02	HCCC-02	2007-07-24	9:20	Solids, Total Suspended (TSS)	38	mg/L	
HCCC-02	HCCC-02	2007-04-18	8:50	Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	HCCC-02	2007-05-24	8:40	Solids, Total Suspended (TSS)	33	mg/L	
HCCC-02	HCCC-02	2007-02-28	9:00	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-02	2007-09-19	9:10	Solids, Total Suspended (TSS)	23	mg/L	
HCCC-02	HCCC-02	2006-11-29	11:00	Solids, Total Suspended (TSS)	157	mg/L	
HCCC-02	HCCC-02	2006-09-28	9:00	Solids, Total Suspended (TSS)	22	mg/L	
HCCC-02	HCCC-02	2006-11-06	9:40	Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	HCCC-02	2007-01-11	11:55	Solids, Total Suspended (TSS)	33	mg/L	
HCCC-02	HCCC-02	2009-11-05	10:15	Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	HCCC-02	2009-12-08	11:00	Solids, Total Suspended (TSS)	44	mg/L	
HCCC-02	HCCC-02	2009-06-29	9:00	Solids, Total Suspended (TSS)	22	mg/L	
HCCC-02	HCCC-02	2009-09-15	10:15	Solids, Total Suspended (TSS)	29	mg/L	
HCCC-02	HCCC-02	2009-08-06	9:50	Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	HCCC-02	2010-05-26	10:58	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-02	2010-08-05	10:00	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-02	2010-07-01	11:20	Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	HCCC-02	2010-03-12	11:00	Solids, Total Suspended (TSS)	31	mg/L	
HCCC-02	HCCC-02	2010-01-25	11:35	Solids, Total Suspended (TSS)	40	mg/L	
HCCC-02	HCCC-02	2010-04-14	12:45	Solids, Total Suspended (TSS)	10	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2011-12-06	9:00	Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	HCCC-02	2011-10-20	11:10	Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	HCCC-02	2009-03-23	9:50	Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	HCCC-02	2009-05-28	10:30	Solids, Total Suspended (TSS)	30	mg/L	
HCCC-02	HCCC-02	2009-04-27	11:00	Solids, Total Suspended (TSS)	106	mg/L	
HCCC-02	HCCC-02	2009-03-05	9:55	Solids, Total Suspended (TSS)	22	mg/L	
HCCC-02	HCCC-02	2008-06-17	9:05	Solids, Total Suspended (TSS)	27	mg/L	
HCCC-02	HCCC-02	2010-09-16	10:15	Solids, Total Suspended (TSS)	27	mg/L	
HCCC-02	HCCC-02	2010-11-09	10:35	Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	HCCC-02	2008-11-10	10:05	Solids, Total Suspended (TSS)	6	mg/L	
HCCC-02	HCCC-02	2008-05-20	9:20	Solids, Total Suspended (TSS)	23	mg/L	
HCCC-02	HCCC-02	2008-12-08	9:55	Solids, Total Suspended (TSS)	4	mg/L	
HCCC-02	HCCC-02	2008-08-20	10:30	Solids, Total Suspended (TSS)	27	mg/L	
HCCC-02	HCCC-02	2008-09-24	10:15	Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	HCCC-06	2006-07-26	13:50	Solids, Total Suspended (TSS)	10.8	mg/L	
HCCC-02	HCCC-06	2006-09-18	10:35	Solids, Total Suspended (TSS)	8.8	mg/L	
HCCC-02	HCCC-06	2011-06-20	12:15	Solids, Total Suspended (TSS)	115	mg/L	
HCCC-02	HCCC-06	2009-07-21	10:00	Solids, Total Suspended (TSS)	32	mg/L	1 ft
HCCC-02	HCCC-06	2011-06-29	8:15	Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	HCCC-06	2011-08-17	9:10	Solids, Total Suspended (TSS)	4	mg/L	
HCCC-02	HCCC-06	2011-09-19	11:45	Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2011-11-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2011-04-11		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2010-11-08		Solids, Total Suspended (TSS)	0	mg/L	
HCCC-02	WW_31	2011-03-14		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2011-10-10		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2011-07-11		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	WW_31	2011-08-08		Solids, Total Suspended (TSS)	32	mg/L	
HCCC-02	WW_31	2011-05-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2010-10-11		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-02	WW_31	2011-06-13		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	WW_31	2011-12-12		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2012-03-12		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2012-07-16		Solids, Total Suspended (TSS)	0	mg/L	
HCCC-02	WW_31	2012-04-09		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-02	WW_31	2012-05-14		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2005-09-12		Solids, Total Suspended (TSS)	36	mg/L	
HCCC-02	WW_31	2005-07-11		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2005-06-13		Solids, Total Suspended (TSS)	3	mg/L	
HCCC-02	WW_31	2005-08-08		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2005-05-09		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-02	WW_31	2004-06-14		Solids, Total Suspended (TSS)	38	mg/L	
HCCC-02	WW_31	2004-11-08		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2005-03-14		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	WW_31	2004-09-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	WW_31	2004-12-13		Solids, Total Suspended (TSS)	22	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2004-07-12		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-02	WW_31	2004-10-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	WW_31	2005-04-11		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2004-08-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	WW_31	2005-02-14		Solids, Total Suspended (TSS)	104	mg/L	
HCCC-02	WW_31	2008-01-14		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	WW_31	2006-12-11		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-02	WW_31	2010-09-13		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2009-11-09		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	WW_31	2009-10-12		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-02	WW_31	2007-08-13		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	WW_31	2010-05-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	WW_31	2010-04-12		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2007-06-11		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2005-11-14		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	WW_31	2007-07-09		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	WW_31	2010-07-12		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	WW_31	2010-06-14		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-02	WW_31	2007-03-12		Solids, Total Suspended (TSS)	47	mg/L	
HCCC-02	WW_31	2007-04-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2007-11-13		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-02	WW_31	2007-05-14		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-02	WW_31	2005-10-10		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-02	WW_31	2009-12-14		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-02	WW_31	2010-03-08		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	WW_31	2007-09-10		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2007-01-08		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-02	WW_31	2006-01-09		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-02	WW_31	2010-08-09		Solids, Total Suspended (TSS)	33	mg/L	
HCCC-02	WW_31	2007-10-08		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-02	WW_31	2006-07-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	WW_31	2009-07-13		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	WW_31	2009-05-11		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2009-03-09		Solids, Total Suspended (TSS)	105	mg/L	
HCCC-02	WW_31	2008-05-12		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2006-11-13		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-02	WW_31	2008-03-10		Solids, Total Suspended (TSS)	35	mg/L	
HCCC-02	WW_31	2009-06-08		Solids, Total Suspended (TSS)	36	mg/L	
HCCC-02	WW_31	2008-07-14		Solids, Total Suspended (TSS)	31	mg/L	
HCCC-02	WW_31	2006-06-12		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-02	WW_31	2006-04-10		Solids, Total Suspended (TSS)	45	mg/L	
HCCC-02	WW_31	2008-08-11		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	WW_31	2006-09-11		Solids, Total Suspended (TSS)	83	mg/L	
HCCC-02	WW_31	2008-04-14		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-02	WW_31	2006-03-13		Solids, Total Suspended (TSS)	497	mg/L	
HCCC-02	WW_31	2006-08-14		Solids, Total Suspended (TSS)	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2008-06-09		Solids, Total Suspended (TSS)	144	mg/L	
HCCC-02	WW_31	2008-10-13		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	WW_31	2009-04-13		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-02	WW_31	2009-09-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-02	WW_31	2009-08-10		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2008-11-10		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2006-10-09		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-02	WW_31	2008-09-08		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-02	WW_31	2006-05-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-02	WW_31	2002-06-10		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-02	WW_31	2002-05-13		Solids, Total Suspended (TSS)	84	mg/L	
HCCC-02	WW_31	2003-04-14		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2001-11-13		Solids, Total Suspended (TSS)	27	mg/L	
HCCC-02	WW_31	2001-07-09		Solids, Total Suspended (TSS)	38	mg/L	
HCCC-02	WW_31	2001-02-13		Solids, Total Suspended (TSS)	55	mg/L	
HCCC-02	WW_31	2001-12-10		Solids, Total Suspended (TSS)	122	mg/L	
HCCC-02	WW_31	2001-03-12		Solids, Total Suspended (TSS)	33	mg/L	
HCCC-02	WW_31	2002-04-08		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	WW_31	2002-10-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-02	WW_31	2002-03-11		Solids, Total Suspended (TSS)	46	mg/L	
HCCC-02	WW_31	2001-04-09		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-02	WW_31	2002-02-11		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-02	WW_31	2001-09-10		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-02	WW_31	2001-05-14		Solids, Total Suspended (TSS)	29	mg/L	
HCCC-02	WW_31	2002-09-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2002-07-08		Solids, Total Suspended (TSS)	42	mg/L	
HCCC-02	WW_31	2001-06-11		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-02	WW_31	2001-08-13		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	WW_31	2001-10-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-02	WW_31	2002-11-12		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-02	WW_31	2002-08-12		Solids, Total Suspended (TSS)	44	mg/L	
HCCC-02	WW_31	2003-09-08		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-02	WW_31	2003-06-09		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-02	WW_31	2004-05-10		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-02	WW_31	2003-11-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-02	WW_31	2003-07-14		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-02	WW_31	2004-03-08		Solids, Total Suspended (TSS)	47	mg/L	
HCCC-02	WW_31	2004-04-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-02	WW_31	2003-10-13		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-02	WW_31	2003-05-12		Solids, Total Suspended (TSS)	82	mg/L	
HCCC-02	WW_31	2003-08-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-02	WW_31	2003-12-08		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	HCCC-04	2006-06-13	9:45	Solids, Total Suspended (TSS)	32	mg/L	
HCCC-04	HCCC-04	2006-09-18	13:35	Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	HCCC-04	2006-07-24	11:30	Solids, Total Suspended (TSS)	60.8	mg/L	
HCCC-04	HCCC-08	2011-06-28	14:34	Solids, Total Suspended (TSS)	9	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	HCCC-08	2011-06-21	9:20	Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	HCCC-08	2011-09-20	9:25	Solids, Total Suspended (TSS)	26	mg/L	
HCCC-04	HCCC-08	2011-08-29	12:13	Solids, Total Suspended (TSS)	38	mg/L	
HCCC-04	WW_103	2012-07-16		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_103	2012-01-17		Solids, Total Suspended (TSS)	42	mg/L	
HCCC-04	WW_103	2011-12-12		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2011-05-09		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_103	2011-11-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2012-05-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2012-02-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2011-09-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2011-07-11		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_103	2012-03-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_103	2012-04-09		Solids, Total Suspended (TSS)	56	mg/L	
HCCC-04	WW_103	2011-08-08		Solids, Total Suspended (TSS)	54	mg/L	
HCCC-04	WW_103	2011-06-13		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_103	2011-10-10		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_103	2012-06-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2011-02-14		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_103	2011-03-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2010-11-08		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_103	2011-04-11		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-04	WW_103	2010-10-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2003-12-08		Solids, Total Suspended (TSS)	32	mg/L	
HCCC-04	WW_103	2002-04-08		Solids, Total Suspended (TSS)	35	mg/L	
HCCC-04	WW_103	2002-06-10		Solids, Total Suspended (TSS)	32	mg/L	
HCCC-04	WW_103	2001-06-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2005-06-13		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_103	2002-07-08		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_103	2002-05-13		Solids, Total Suspended (TSS)	62	mg/L	
HCCC-04	WW_103	2001-07-09		Solids, Total Suspended (TSS)	30	mg/L	
HCCC-04	WW_103	2004-08-09		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_103	2003-11-10		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_103	2002-01-14		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_103	2004-04-12		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_103	2002-03-11		Solids, Total Suspended (TSS)	35	mg/L	
HCCC-04	WW_103	2004-06-14		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_103	2001-10-08		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-04	WW_103	2001-11-13		Solids, Total Suspended (TSS)	60	mg/L	
HCCC-04	WW_103	2004-05-10		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-04	WW_103	2001-12-10		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_103	2005-02-14		Solids, Total Suspended (TSS)	68	mg/L	
HCCC-04	WW_103	2001-08-13		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_103	2004-07-12		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_103	2002-02-11		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_103	2005-01-10		Solids, Total Suspended (TSS)	56	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2001-09-10		Solids, Total Suspended (TSS)	52	mg/L	
HCCC-04	WW_103	2004-03-08		Solids, Total Suspended (TSS)	57	mg/L	
HCCC-04	WW_103	2005-07-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2002-11-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_103	2005-05-09		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2003-07-14		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_103	2002-10-14		Solids, Total Suspended (TSS)	35	mg/L	
HCCC-04	WW_103	2003-08-11		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_103	2004-10-11		Solids, Total Suspended (TSS)	27	mg/L	
HCCC-04	WW_103	2003-04-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2003-05-12		Solids, Total Suspended (TSS)	54	mg/L	
HCCC-04	WW_103	2005-04-11		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_103	2004-12-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-04	WW_103	2004-11-08		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_103	2001-03-12		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_103	2001-04-09		Solids, Total Suspended (TSS)	44	mg/L	
HCCC-04	WW_103	2003-06-09		Solids, Total Suspended (TSS)	27	mg/L	
HCCC-04	WW_103	2002-09-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_103	2002-08-12		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_103	2005-03-14		Solids, Total Suspended (TSS)	26	mg/L	
HCCC-04	WW_103	2005-09-12		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2001-05-14		Solids, Total Suspended (TSS)	40	mg/L	
HCCC-04	WW_103	2004-09-13		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_103	2003-09-08		Solids, Total Suspended (TSS)	36	mg/L	
HCCC-04	WW_103	2008-09-08		Solids, Total Suspended (TSS)	20	mg/L	
HCCC-04	WW_103	2008-11-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_103	2006-10-09		Solids, Total Suspended (TSS)	40	mg/L	
HCCC-04	WW_103	2006-05-08		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-04	WW_103	2009-08-10		Solids, Total Suspended (TSS)	3	mg/L	
HCCC-04	WW_103	2006-08-14		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-04	WW_103	2008-10-13		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2008-06-09		Solids, Total Suspended (TSS)	57	mg/L	
HCCC-04	WW_103	2008-03-10		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_103	2006-11-13		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2009-04-13		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2008-07-14		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_103	2006-09-11		Solids, Total Suspended (TSS)	89	mg/L	
HCCC-04	WW_103	2009-06-08		Solids, Total Suspended (TSS)	57	mg/L	
HCCC-04	WW_103	2008-04-14		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_103	2006-06-12		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2009-02-09		Solids, Total Suspended (TSS)	30	mg/L	
HCCC-04	WW_103	2006-07-10		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-04	WW_103	2009-07-13		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-04	WW_103	2009-03-09		Solids, Total Suspended (TSS)	67	mg/L	
HCCC-04	WW_103	2008-08-11		Solids, Total Suspended (TSS)	5	mg/L	
HCCC-04	WW_103	2006-04-10		Solids, Total Suspended (TSS)	25	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2009-05-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2008-05-12		Solids, Total Suspended (TSS)	38	mg/L	
HCCC-04	WW_103	2007-10-08		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_103	2010-07-12		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-04	WW_103	2009-11-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_103	2007-08-13		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_103	2007-12-10		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_103	2009-10-12		Solids, Total Suspended (TSS)	58	mg/L	
HCCC-04	WW_103	2006-12-11		Solids, Total Suspended (TSS)	26	mg/L	
HCCC-04	WW_103	2007-06-11		Solids, Total Suspended (TSS)	3	mg/L	
HCCC-04	WW_103	2010-02-08		Solids, Total Suspended (TSS)	29	mg/L	
HCCC-04	WW_103	2006-02-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_103	2007-11-13		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2009-12-14		Solids, Total Suspended (TSS)	36	mg/L	
HCCC-04	WW_103	2005-11-14		Solids, Total Suspended (TSS)	36	mg/L	
HCCC-04	WW_103	2010-06-14		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_103	2010-05-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_103	2007-07-09		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-04	WW_103	2007-03-12		Solids, Total Suspended (TSS)	29	mg/L	
HCCC-04	WW_103	2007-04-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_103	2007-05-14		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_103	2009-09-14		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_103	2005-10-10		Solids, Total Suspended (TSS)	38	mg/L	
HCCC-04	WW_103	2007-09-10		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2010-09-13		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_103	2006-03-13		Solids, Total Suspended (TSS)	124	mg/L	
HCCC-04	WW_103	2010-03-08		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2007-01-08		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_103	2010-04-12		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-04	WW_103	2010-08-09		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_103	2006-01-09		Solids, Total Suspended (TSS)	29	mg/L	
HCCC-04	WW_103	2008-01-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_104	2012-06-11		Solids, Total Suspended (TSS)	6	mg/L	
HCCC-04	WW_104	2011-06-13		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_104	2011-10-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_104	2011-03-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2010-11-08		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2011-08-08		Solids, Total Suspended (TSS)	43	mg/L	
HCCC-04	WW_104	2010-12-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2012-04-09		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_104	2011-01-10		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_104	2011-02-14		Solids, Total Suspended (TSS)	127	mg/L	
HCCC-04	WW_104	2012-05-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2011-07-11		Solids, Total Suspended (TSS)	85	mg/L	
HCCC-04	WW_104	2012-07-16		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_104	2012-03-12		Solids, Total Suspended (TSS)	8	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2011-09-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2011-11-14		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_104	2012-01-17		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-04	WW_104	2011-05-09		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-04	WW_104	2012-02-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2010-10-11		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_104	2011-12-12		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_104	2011-04-11		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_104	2002-01-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2003-05-12		Solids, Total Suspended (TSS)	32	mg/L	
HCCC-04	WW_104	2005-04-11		Solids, Total Suspended (TSS)	0	mg/L	
HCCC-04	WW_104	2001-12-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2003-04-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2002-08-12		Solids, Total Suspended (TSS)	47	mg/L	
HCCC-04	WW_104	2004-04-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2005-03-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2004-01-12		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-04	WW_104	2002-03-11		Solids, Total Suspended (TSS)	25	mg/L	
HCCC-04	WW_104	2003-08-11		Solids, Total Suspended (TSS)	45	mg/L	
HCCC-04	WW_104	2002-04-08		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2002-10-14		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_104	2002-02-11		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-04	WW_104	2004-03-08		Solids, Total Suspended (TSS)	39	mg/L	
HCCC-04	WW_104	2002-05-13		Solids, Total Suspended (TSS)	37	mg/L	
HCCC-04	WW_104	2004-02-09		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2005-05-09		Solids, Total Suspended (TSS)	34	mg/L	
HCCC-04	WW_104	2005-06-13		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_104	2005-07-11		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2002-09-09		Solids, Total Suspended (TSS)	32	mg/L	
HCCC-04	WW_104	2002-11-12		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2005-02-14		Solids, Total Suspended (TSS)	54	mg/L	
HCCC-04	WW_104	2001-10-08		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_104	2004-10-11		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_104	2001-08-13		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2004-07-12		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_104	2004-12-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2001-09-10		Solids, Total Suspended (TSS)	37	mg/L	
HCCC-04	WW_104	2004-11-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-04	WW_104	2001-06-11		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-04	WW_104	2004-09-13		Solids, Total Suspended (TSS)	27	mg/L	
HCCC-04	WW_104	2001-04-09		Solids, Total Suspended (TSS)	26	mg/L	
HCCC-04	WW_104	2004-06-14		Solids, Total Suspended (TSS)	25	mg/L	
HCCC-04	WW_104	2005-08-08		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_104	2005-09-12		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2001-11-13		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2001-03-12		Solids, Total Suspended (TSS)	13	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2001-05-14		Solids, Total Suspended (TSS)	16	mg/L	
HCCC-04	WW_104	2001-07-09		Solids, Total Suspended (TSS)	33	mg/L	
HCCC-04	WW_104	2004-08-09		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-04	WW_104	2004-05-10		Solids, Total Suspended (TSS)	30	mg/L	
HCCC-04	WW_104	2005-01-10		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2009-02-09		Solids, Total Suspended (TSS)	35	mg/L	
HCCC-04	WW_104	2007-09-10		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2008-07-14		Solids, Total Suspended (TSS)	38	mg/L	
HCCC-04	WW_104	2007-08-13		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-04	WW_104	2010-04-12		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2005-12-12		Solids, Total Suspended (TSS)	3	mg/L	
HCCC-04	WW_104	2006-06-12		Solids, Total Suspended (TSS)	24	mg/L	
HCCC-04	WW_104	2009-03-09		Solids, Total Suspended (TSS)	41	mg/L	
HCCC-04	WW_104	2010-05-10		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_104	2008-11-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_104	2005-10-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_104	2008-09-08		Solids, Total Suspended (TSS)	48	mg/L	
HCCC-04	WW_104	2010-08-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2006-08-14		Solids, Total Suspended (TSS)	52	mg/L	
HCCC-04	WW_104	2008-10-13		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-04	WW_104	2007-04-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2007-05-14		Solids, Total Suspended (TSS)	0	mg/L	
HCCC-04	WW_104	2010-09-13		Solids, Total Suspended (TSS)	4	mg/L	
HCCC-04	WW_104	2009-01-12		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_104	2007-03-12		Solids, Total Suspended (TSS)	27	mg/L	
HCCC-04	WW_104	2007-07-09		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_104	2005-11-14		Solids, Total Suspended (TSS)	19	mg/L	
HCCC-04	WW_104	2008-08-11		Solids, Total Suspended (TSS)	55	mg/L	
HCCC-04	WW_104	2006-09-11		Solids, Total Suspended (TSS)	205	mg/L	
HCCC-04	WW_104	2006-07-10		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_104	2007-06-11		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2008-12-08		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2008-04-14		Solids, Total Suspended (TSS)	21	mg/L	
HCCC-04	WW_104	2007-12-10		Solids, Total Suspended (TSS)	31	mg/L	
HCCC-04	WW_104	2009-11-09		Solids, Total Suspended (TSS)	10	mg/L	
HCCC-04	WW_104	2009-06-08		Solids, Total Suspended (TSS)	54	mg/L	
HCCC-04	WW_104	2006-12-11		Solids, Total Suspended (TSS)	23	mg/L	
HCCC-04	WW_104	2006-04-10		Solids, Total Suspended (TSS)	22	mg/L	
HCCC-04	WW_104	2009-12-14		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_104	2007-11-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2006-02-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCC-04	WW_104	2006-11-13		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2008-03-10		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2009-08-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2009-09-14		Solids, Total Suspended (TSS)	9	mg/L	
HCCC-04	WW_104	2006-03-13		Solids, Total Suspended (TSS)	160	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2008-02-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCC-04	WW_104	2009-07-13		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2009-10-12		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2008-01-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2006-10-09		Solids, Total Suspended (TSS)	18	mg/L	
HCCC-04	WW_104	2007-10-08		Solids, Total Suspended (TSS)	12	mg/L	
HCCC-04	WW_104	2010-02-08		Solids, Total Suspended (TSS)	17	mg/L	
HCCC-04	WW_104	2008-06-09		Solids, Total Suspended (TSS)	56	mg/L	
HCCC-04	WW_104	2006-05-08		Solids, Total Suspended (TSS)	29	mg/L	
HCCC-04	WW_104	2006-01-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCC-04	WW_104	2009-05-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCC-04	WW_104	2007-01-08		Solids, Total Suspended (TSS)	8	mg/L	
HCCC-04	WW_104	2008-05-12		Solids, Total Suspended (TSS)	28	mg/L	
HCCC-04	WW_104	2010-03-08		Solids, Total Suspended (TSS)	14	mg/L	
HCCC-04	WW_104	2009-04-13		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2011-09-12		Solids, Total Suspended (TSS)	4	mg/L	
HCCD-01	WW_32	2012-03-12		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2011-06-13		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2011-10-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2012-07-16		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2010-11-08		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2011-07-11		Solids, Total Suspended (TSS)	61	mg/L	
HCCD-01	WW_32	2011-08-08		Solids, Total Suspended (TSS)	37	mg/L	
HCCD-01	WW_32	2012-05-14		Solids, Total Suspended (TSS)	4	mg/L	
HCCD-01	WW_32	2012-04-09		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2012-06-11		Solids, Total Suspended (TSS)	5	mg/L	
HCCD-01	WW_32	2011-04-11		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-01	WW_32	2012-01-17		Solids, Total Suspended (TSS)	34	mg/L	
HCCD-01	WW_32	2010-10-11		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2011-12-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-01	WW_32	2011-11-14		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2011-05-09		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2011-03-14		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2005-09-12		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2005-03-14		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-01	WW_32	2004-10-11		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-01	WW_32	2005-07-11		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2005-02-14		Solids, Total Suspended (TSS)	112	mg/L	
HCCD-01	WW_32	2004-08-09		Solids, Total Suspended (TSS)	37	mg/L	
HCCD-01	WW_32	2004-07-12		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-01	WW_32	2004-09-13		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-01	WW_32	2005-06-13		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2004-12-13		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-01	WW_32	2005-08-08		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-01	WW_32	2004-11-08		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-01	WW_32	2005-05-09		Solids, Total Suspended (TSS)	10	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2004-06-14		Solids, Total Suspended (TSS)	27	mg/L	
HCCD-01	WW_32	2005-04-11		Solids, Total Suspended (TSS)	3	mg/L	
HCCD-01	WW_32	2007-03-12		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-01	WW_32	2008-07-14		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-01	WW_32	2010-06-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCD-01	WW_32	2008-06-09		Solids, Total Suspended (TSS)	110	mg/L	
HCCD-01	WW_32	2007-08-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-01	WW_32	2009-03-09		Solids, Total Suspended (TSS)	80	mg/L	
HCCD-01	WW_32	2005-12-12		Solids, Total Suspended (TSS)	29	mg/L	
HCCD-01	WW_32	2010-05-10		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2007-05-14		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-01	WW_32	2005-10-10		Solids, Total Suspended (TSS)	0	mg/L	
HCCD-01	WW_32	2008-11-10		Solids, Total Suspended (TSS)	3	mg/L	
HCCD-01	WW_32	2008-09-08		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-01	WW_32	2010-08-09		Solids, Total Suspended (TSS)	45	mg/L	
HCCD-01	WW_32	2006-08-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCD-01	WW_32	2008-10-13		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-01	WW_32	2007-04-09		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2010-09-13		Solids, Total Suspended (TSS)	4	mg/L	
HCCD-01	WW_32	2006-09-11		Solids, Total Suspended (TSS)	142	mg/L	
HCCD-01	WW_32	2007-07-09		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-01	WW_32	2006-06-12		Solids, Total Suspended (TSS)	5	mg/L	
HCCD-01	WW_32	2010-07-12		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2005-11-14		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2007-06-11		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2006-07-10		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-01	WW_32	2008-08-11		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-01	WW_32	2006-04-10		Solids, Total Suspended (TSS)	0	mg/L	
HCCD-01	WW_32	2006-12-11		Solids, Total Suspended (TSS)	32	mg/L	
HCCD-01	WW_32	2009-10-12		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2008-04-14		Solids, Total Suspended (TSS)	32	mg/L	
HCCD-01	WW_32	2006-03-13		Solids, Total Suspended (TSS)	274	mg/L	
HCCD-01	WW_32	2009-06-08		Solids, Total Suspended (TSS)	66	mg/L	
HCCD-01	WW_32	2006-11-13		Solids, Total Suspended (TSS)	23	mg/L	
HCCD-01	WW_32	2006-02-14		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-01	WW_32	2009-11-09		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2008-03-10		Solids, Total Suspended (TSS)	34	mg/L	
HCCD-01	WW_32	2009-12-14		Solids, Total Suspended (TSS)	7	mg/L	
HCCD-01	WW_32	2009-08-10		Solids, Total Suspended (TSS)	5	mg/L	
HCCD-01	WW_32	2009-07-13		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-01	WW_32	2007-11-13		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2007-10-08		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-01	WW_32	2006-10-09		Solids, Total Suspended (TSS)	26	mg/L	
HCCD-01	WW_32	2009-05-11		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2007-09-10		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2009-04-13		Solids, Total Suspended (TSS)	4	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2006-05-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-01	WW_32	2010-04-12		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-01	WW_32	2008-01-14		Solids, Total Suspended (TSS)	4	mg/L	
HCCD-01	WW_32	2008-05-12		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-01	WW_32	2010-03-08		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2007-01-08		Solids, Total Suspended (TSS)	37	mg/L	
HCCD-01	WW_32	2009-09-14		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2006-01-09		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-01	WW_32	2002-08-12		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2003-08-11		Solids, Total Suspended (TSS)	28	mg/L	
HCCD-01	WW_32	2004-04-12		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-01	WW_32	2002-10-14		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2001-09-10		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-01	WW_32	2002-09-09		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2001-12-10		Solids, Total Suspended (TSS)	52	mg/L	
HCCD-01	WW_32	2003-09-08		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2001-05-14		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2003-12-08		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-01	WW_32	2002-05-13		Solids, Total Suspended (TSS)	36	mg/L	
HCCD-01	WW_32	2001-08-13		Solids, Total Suspended (TSS)	5	mg/L	
HCCD-01	WW_32	2002-02-11		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-01	WW_32	2004-03-08		Solids, Total Suspended (TSS)	43	mg/L	
HCCD-01	WW_32	2002-03-11		Solids, Total Suspended (TSS)	33	mg/L	
HCCD-01	WW_32	2001-07-09		Solids, Total Suspended (TSS)	29	mg/L	
HCCD-01	WW_32	2002-04-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-01	WW_32	2003-10-13		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-01	WW_32	2002-07-08		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-01	WW_32	2001-06-11		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-01	WW_32	2002-06-10		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-01	WW_32	2003-11-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-01	WW_32	2004-05-10		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-01	WW_32	2003-06-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-01	WW_32	2001-04-09		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-01	WW_32	2001-11-13		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-01	WW_32	2003-07-14		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2001-02-13		Solids, Total Suspended (TSS)	50	mg/L	
HCCD-01	WW_32	2003-04-14		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-01	WW_32	2002-11-12		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-01	WW_32	2001-10-08		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-01	WW_32	2001-03-12		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-01	WW_32	2003-05-12		Solids, Total Suspended (TSS)	60	mg/L	
HCCD-09	HCCD-09	2011-09-20	10:20	Solids, Total Suspended (TSS)	33	mg/L	
HCCD-09	HCCD-09	2011-08-29	13:53	Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	HCCD-09	2011-06-28	17:16	Solids, Total Suspended (TSS)	6	mg/L	
HCCD-09	HCCD-09	2006-07-25	10:30	Solids, Total Suspended (TSS)	60.4	mg/L	
HCCD-09	HCCD-09	2011-06-20	14:00	Solids, Total Suspended (TSS)	25	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	HCCD-09	2006-09-18	12:30	Solids, Total Suspended (TSS)	15.6	mg/L	
HCCD-09	HCCD-09	2006-06-13	8:30	Solids, Total Suspended (TSS)	16.4	mg/L	
HCCD-09	WW_105	2012-03-12		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2011-09-12		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-09	WW_105	2010-10-11		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2011-02-14		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2012-05-14		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-09	WW_105	2012-04-09		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-09	WW_105	2010-12-13		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2011-11-14		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2011-08-08		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-09	WW_105	2011-12-12		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-09	WW_105	2011-04-11		Solids, Total Suspended (TSS)	34	mg/L	
HCCD-09	WW_105	2011-01-10		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2010-11-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2011-10-10		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2012-06-11		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2011-06-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2011-03-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2012-01-17		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2012-02-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2011-05-09		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2011-07-11		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2012-07-16		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2003-09-08		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2005-03-14		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-09	WW_105	2002-08-12		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-09	WW_105	2003-11-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-09	WW_105	2004-05-10		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2002-06-10		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2001-07-09		Solids, Total Suspended (TSS)	34	mg/L	
HCCD-09	WW_105	2004-08-09		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2002-05-13		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2005-06-13		Solids, Total Suspended (TSS)	36	mg/L	
HCCD-09	WW_105	2002-07-08		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2003-10-13		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2004-09-13		Solids, Total Suspended (TSS)	29	mg/L	
HCCD-09	WW_105	2001-06-11		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-09	WW_105	2004-12-13		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2003-02-10		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2003-03-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2003-06-09		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2004-11-08		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2003-01-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2005-04-11		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-09	WW_105	2003-05-12		Solids, Total Suspended (TSS)	29	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2003-04-14		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2001-03-12		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2002-12-09		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2003-08-11		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-09	WW_105	2004-10-11		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2002-10-14		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2001-05-14		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2002-09-09		Solids, Total Suspended (TSS)	46	mg/L	
HCCD-09	WW_105	2005-09-12		Solids, Total Suspended (TSS)	23	mg/L	
HCCD-09	WW_105	2003-07-14		Solids, Total Suspended (TSS)	38	mg/L	
HCCD-09	WW_105	2005-05-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2002-11-12		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2001-04-09		Solids, Total Suspended (TSS)	22	mg/L	
HCCD-09	WW_105	2004-02-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2001-10-08		Solids, Total Suspended (TSS)	35	mg/L	
HCCD-09	WW_105	2002-01-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2004-01-12		Solids, Total Suspended (TSS)	84	mg/L	
HCCD-09	WW_105	2001-08-13		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2004-04-12		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2002-02-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-09	WW_105	2002-03-11		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2004-07-12		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-09	WW_105	2004-06-14		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2004-03-08		Solids, Total Suspended (TSS)	26	mg/L	
HCCD-09	WW_105	2005-08-08		Solids, Total Suspended (TSS)	7	mg/L	
HCCD-09	WW_105	2001-09-10		Solids, Total Suspended (TSS)	38	mg/L	
HCCD-09	WW_105	2001-11-13		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2005-01-10		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2005-02-14		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2003-12-08		Solids, Total Suspended (TSS)	9	mg/L	
HCCD-09	WW_105	2001-12-10		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-09	WW_105	2002-04-08		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2005-07-11		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2008-09-08		Solids, Total Suspended (TSS)	50	mg/L	
HCCD-09	WW_105	2008-01-14		Solids, Total Suspended (TSS)	12	mg/L	
HCCD-09	WW_105	2008-06-09		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2007-09-10		Solids, Total Suspended (TSS)	25	mg/L	
HCCD-09	WW_105	2006-08-14		Solids, Total Suspended (TSS)	30	mg/L	
HCCD-09	WW_105	2008-02-11		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-09	WW_105	2007-04-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2008-03-10		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2007-05-14		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2006-11-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2008-08-11		Solids, Total Suspended (TSS)	27	mg/L	
HCCD-09	WW_105	2006-10-09		Solids, Total Suspended (TSS)	24	mg/L	
HCCD-09	WW_105	2008-05-12		Solids, Total Suspended (TSS)	32	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2007-11-13		Solids, Total Suspended (TSS)	29	mg/L	
HCCD-09	WW_105	2006-09-11		Solids, Total Suspended (TSS)	31	mg/L	
HCCD-09	WW_105	2007-07-09		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2007-03-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2007-10-08		Solids, Total Suspended (TSS)	26	mg/L	
HCCD-09	WW_105	2007-01-08		Solids, Total Suspended (TSS)	3	mg/L	
HCCD-09	WW_105	2008-07-14		Solids, Total Suspended (TSS)	42	mg/L	
HCCD-09	WW_105	2006-12-11		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2008-04-14		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2007-08-13		Solids, Total Suspended (TSS)	7	mg/L	
HCCD-09	WW_105	2007-06-11		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2007-12-10		Solids, Total Suspended (TSS)	30	mg/L	
HCCD-09	WW_105	2010-04-12		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2006-05-08		Solids, Total Suspended (TSS)	41	mg/L	
HCCD-09	WW_105	2005-12-12		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2009-04-13		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2010-03-08		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-09	WW_105	2009-05-11		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2005-11-14		Solids, Total Suspended (TSS)	17	mg/L	
HCCD-09	WW_105	2006-06-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2010-06-14		Solids, Total Suspended (TSS)	13	mg/L	
HCCD-09	WW_105	2009-02-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2010-05-10		Solids, Total Suspended (TSS)	10	mg/L	
HCCD-09	WW_105	2009-03-09		Solids, Total Suspended (TSS)	33	mg/L	
HCCD-09	WW_105	2009-11-09		Solids, Total Suspended (TSS)	11	mg/L	
HCCD-09	WW_105	2009-08-10		Solids, Total Suspended (TSS)	26	mg/L	
HCCD-09	WW_105	2006-02-14		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2009-09-14		Solids, Total Suspended (TSS)	19	mg/L	
HCCD-09	WW_105	2006-03-13		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2009-10-12		Solids, Total Suspended (TSS)	18	mg/L	
HCCD-09	WW_105	2009-06-08		Solids, Total Suspended (TSS)	32	mg/L	
HCCD-09	WW_105	2006-01-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2010-02-08		Solids, Total Suspended (TSS)	20	mg/L	
HCCD-09	WW_105	2009-07-13		Solids, Total Suspended (TSS)	40	mg/L	
HCCD-09	WW_105	2010-01-11		Solids, Total Suspended (TSS)	6	mg/L	
HCCD-09	WW_105	2009-12-14		Solids, Total Suspended (TSS)	8	mg/L	
HCCD-09	WW_105	2006-04-10		Solids, Total Suspended (TSS)	21	mg/L	
HCCD-09	WW_105	2010-09-13		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2010-07-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2008-12-08		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2008-11-10		Solids, Total Suspended (TSS)	15	mg/L	
HCCD-09	WW_105	2010-08-09		Solids, Total Suspended (TSS)	14	mg/L	
HCCD-09	WW_105	2008-10-13		Solids, Total Suspended (TSS)	34	mg/L	
HCCD-09	WW_105	2009-01-12		Solids, Total Suspended (TSS)	16	mg/L	
HCCD-09	WW_105	2006-07-10		Solids, Total Suspended (TSS)	41	mg/L	
HCCD-09	WW_105	2005-10-10		Solids, Total Suspended (TSS)	24	mg/L	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-1	2001-09-04	12:00	Solids, Total Suspended (TSS)	22	mg/L	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Solids, Total Suspended (TSS)	22	mg/L	3 ft
RHJ	RHJ-1	2001-06-22	11:15	Solids, Total Suspended (TSS)	6	mg/L	4 ft
RHJ	RHJ-1	2001-06-22	11:15	Solids, Total Suspended (TSS)	6	mg/L	4 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Total Suspended (TSS)	23	mg/L	8 ft
RHJ	RHJ-1	2001-07-16	14:12	Solids, Total Suspended (TSS)	23	mg/L	8 ft
RHJ	RHJ-1	2001-11-05	11:30	Solids, Total Suspended (TSS)	9	mg/L	1.5 ft
RHJ	RHJ-1	2001-11-05	11:30	Solids, Total Suspended (TSS)	9	mg/L	1.5 ft
RHJ	RHJ-1	2003-05-08	10:38	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-1	2003-05-08	10:38	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Total Suspended (TSS)	9	mg/L	1 ft
RHJ	RHJ-1	2003-06-10	9:17	Solids, Total Suspended (TSS)	9	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-1	2003-07-28	10:00	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-02	12:44	Solids, Total Suspended (TSS)	1	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Solids, Total Suspended (TSS)	26	mg/L	1 ft
RHJ	RHJ-1	2003-08-27	10:25	Solids, Total Suspended (TSS)	26	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-1	2003-10-10	11:54	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-1	2011-05-04	11:47	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-1	2011-06-14	9:12	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-1	2011-07-07	11:23	Solids, Total Suspended (TSS)	13	mg/L	1 ft
RHJ	RHJ-1	2011-08-04	12:21	Solids, Total Suspended (TSS)	9	mg/L	1 ft
RHJ	RHJ-1	2011-10-04	11:48	Solids, Total Suspended (TSS)	11	mg/L	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Solids, Total Suspended (TSS)	14	mg/L	4.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Solids, Total Suspended (TSS)	14	mg/L	4.5 ft
RHJ	RHJ-2	2001-06-22	12:10	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-2	2001-06-22	12:10	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Solids, Total Suspended (TSS)	20	mg/L	1 ft
RHJ	RHJ-2	2001-07-16	13:35	Solids, Total Suspended (TSS)	20	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-2	2003-05-08	11:33	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-2	2003-06-10	10:29	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Solids, Total Suspended (TSS)	20	mg/L	1 ft
RHJ	RHJ-2	2003-07-28	11:00	Solids, Total Suspended (TSS)	20	mg/L	1 ft
RHJ	RHJ-2	2003-08-27	11:25	Solids, Total Suspended (TSS)	15	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-2	2003-08-27	11:25	Solids, Total Suspended (TSS)	15	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-2	2003-10-10	11:06	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-2	2011-05-04	12:39	Solids, Total Suspended (TSS)	18	mg/L	1 ft
RHJ	RHJ-2	2011-06-14	10:02	Solids, Total Suspended (TSS)	8	mg/L	1 ft
RHJ	RHJ-2	2011-07-07	10:35	Solids, Total Suspended (TSS)	11	mg/L	1 ft
RHJ	RHJ-2	2011-08-04	11:55	Solids, Total Suspended (TSS)	17	mg/L	1 ft
RHJ	RHJ-2	2011-10-04	11:06	Solids, Total Suspended (TSS)	15	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-3	2001-06-22	13:02	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Total Suspended (TSS)	24	mg/L	1 ft
RHJ	RHJ-3	2001-07-16	12:45	Solids, Total Suspended (TSS)	24	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Solids, Total Suspended (TSS)	34	mg/L	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Solids, Total Suspended (TSS)	34	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Total Suspended (TSS)	24	mg/L	1 ft
RHJ	RHJ-3	2003-05-08	13:34	Solids, Total Suspended (TSS)	24	mg/L	1 ft
RHJ	RHJ-3	2011-05-04	13:40	Solids, Total Suspended (TSS)	27	mg/L	1 ft
RHJ	RHJ-3	2011-06-14	10:53	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJ	RHJ-3	2011-07-07	9:51	Solids, Total Suspended (TSS)	27	mg/L	1 ft
RHJ	RHJ-3	2011-08-04	11:08	Solids, Total Suspended (TSS)	19	mg/L	1 ft
RHJ	RHJ-3	2011-10-04	10:16	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-1	2004-07-01	15:00	Solids, Total Suspended (TSS)	17	mg/L	13 ft
RHJA	RHJA-1	2004-07-01	14:50	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-1	2004-07-14	10:30	Solids, Total Suspended (TSS)	23	mg/L	14 ft
RHJA	RHJA-1	2004-07-14	10:25	Solids, Total Suspended (TSS)	14	mg/L	1 ft
RHJA	RHJA-1	2004-07-28	11:14	Solids, Total Suspended (TSS)	15	mg/L	11 ft
RHJA	RHJA-1	2004-07-28	11:10	Solids, Total Suspended (TSS)	31	mg/L	1 ft
RHJA	RHJA-1	2004-08-12	9:47	Solids, Total Suspended (TSS)	28	mg/L	12 ft
RHJA	RHJA-1	2004-08-12	9:42	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJA	RHJA-1	2004-08-24	12:45	Solids, Total Suspended (TSS)	16	mg/L	11 ft
RHJA	RHJA-1	2004-08-24	12:40	Solids, Total Suspended (TSS)	18	mg/L	1 ft
RHJA	RHJA-1	2004-09-08	9:26	Solids, Total Suspended (TSS)	22	mg/L	11 ft
RHJA	RHJA-1	2004-10-13	9:54	Solids, Total Suspended (TSS)	12	mg/L	11 ft
RHJA	RHJA-1	2004-10-13	9:48	Solids, Total Suspended (TSS)	14	mg/L	1 ft
RHJA	RHJA-1	2004-11-01	10:19	Solids, Total Suspended (TSS)	26	mg/L	12 ft
RHJA	RHJA-1	2004-11-01	10:15	Solids, Total Suspended (TSS)	24	mg/L	1 ft
RHJA	RHJA-1	2004-12-09	9:46	Solids, Total Suspended (TSS)	12	mg/L	12 ft
RHJA	RHJA-1	2004-12-09	9:42	Solids, Total Suspended (TSS)	8	mg/L	1 ft
RHJA	RHJA-1	2005-01-26	10:15	Solids, Total Suspended (TSS)	14	mg/L	12 ft
RHJA	RHJA-1	2005-01-26	10:00	Solids, Total Suspended (TSS)	22	mg/L	1 ft
RHJA	RHJA-1	2005-02-16	10:48	Solids, Total Suspended (TSS)	10	mg/L	11 ft
RHJA	RHJA-1	2005-02-16	10:45	Solids, Total Suspended (TSS)	2	mg/L	1 ft
RHJA	RHJA-1	2005-03-23	9:34	Solids, Total Suspended (TSS)	10	mg/L	12 ft
RHJA	RHJA-1	2005-03-23	9:28	Solids, Total Suspended (TSS)	14	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-1	2005-04-05	10:26	Solids, Total Suspended (TSS)	10	mg/L	12 ft
RHJA	RHJA-1	2005-04-05	10:21	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-1	2005-04-20	11:41	Solids, Total Suspended (TSS)	16	mg/L	12 ft
RHJA	RHJA-1	2005-04-20	11:36	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJA	RHJA-1	2005-05-04	10:03	Solids, Total Suspended (TSS)	20	mg/L	12 ft
RHJA	RHJA-1	2005-05-04	10:00	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-1	2005-05-25	10:04	Solids, Total Suspended (TSS)	22	mg/L	11 ft
RHJA	RHJA-1	2005-05-25	10:00	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-1	2005-06-15	9:54	Solids, Total Suspended (TSS)	14	mg/L	12 ft
RHJA	RHJA-1	2005-06-15	9:50	Solids, Total Suspended (TSS)	14	mg/L	1 ft
RHJA	RHJA-1	2005-07-13	9:05	Solids, Total Suspended (TSS)	8	mg/L	12 ft
RHJA	RHJA-1	2005-07-13	9:00	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-1	2005-07-27	9:44	Solids, Total Suspended (TSS)	24	mg/L	12 ft
RHJA	RHJA-1	2005-07-27	9:40	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJA	RHJA-1	2005-08-11	9:14	Solids, Total Suspended (TSS)	3	mg/L	12 ft
RHJA	RHJA-1	2005-08-11	9:09	Solids, Total Suspended (TSS)	6	mg/L	1 ft
RHJA	RHJA-2	2004-07-01	16:22	Solids, Total Suspended (TSS)	16	mg/L	15 ft
RHJA	RHJA-2	2004-07-01	16:13	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJA	RHJA-2	2004-07-14	11:31	Solids, Total Suspended (TSS)	12	mg/L	16 ft
RHJA	RHJA-2	2004-07-14	11:25	Solids, Total Suspended (TSS)	7	mg/L	1 ft
RHJA	RHJA-2	2004-07-28	12:04	Solids, Total Suspended (TSS)	9	mg/L	16 ft
RHJA	RHJA-2	2004-07-28	11:59	Solids, Total Suspended (TSS)	5	mg/L	1 ft
RHJA	RHJA-2	2004-08-12	10:50	Solids, Total Suspended (TSS)	14	mg/L	16 ft
RHJA	RHJA-2	2004-08-12	10:45	Solids, Total Suspended (TSS)	18	mg/L	1 ft
RHJA	RHJA-2	2004-08-24	13:35	Solids, Total Suspended (TSS)	13	mg/L	16 ft
RHJA	RHJA-2	2004-08-24	13:29	Solids, Total Suspended (TSS)	13	mg/L	1 ft
RHJA	RHJA-2	2004-09-08	10:28	Solids, Total Suspended (TSS)	29	mg/L	16 ft
RHJA	RHJA-2	2004-09-08	10:21	Solids, Total Suspended (TSS)	18	mg/L	1 ft
RHJA	RHJA-2	2004-09-22	10:43	Solids, Total Suspended (TSS)	40	mg/L	16 ft
RHJA	RHJA-2	2004-09-22	10:38	Solids, Total Suspended (TSS)	14	mg/L	1 ft
RHJA	RHJA-2	2004-10-13	10:45	Solids, Total Suspended (TSS)	41	mg/L	16 ft
RHJA	RHJA-2	2004-10-13	10:42	Solids, Total Suspended (TSS)	14	mg/L	1 ft
RHJA	RHJA-2	2004-11-01	11:23	Solids, Total Suspended (TSS)	22	mg/L	16 ft
RHJA	RHJA-2	2004-11-01	11:18	Solids, Total Suspended (TSS)	36	mg/L	1 ft
RHJA	RHJA-2	2004-12-09	10:34	Solids, Total Suspended (TSS)	8	mg/L	18 ft
RHJA	RHJA-2	2004-12-09	10:30	Solids, Total Suspended (TSS)	8	mg/L	1 ft
RHJA	RHJA-2	2005-01-26	11:01	Solids, Total Suspended (TSS)	12	mg/L	16 ft
RHJA	RHJA-2	2005-02-16	11:36	Solids, Total Suspended (TSS)	4	mg/L	15 ft
RHJA	RHJA-2	2005-02-16	11:32	Solids, Total Suspended (TSS)	2	mg/L	1 ft
RHJA	RHJA-2	2005-03-23	10:28	Solids, Total Suspended (TSS)	10	mg/L	16 ft
RHJA	RHJA-2	2005-04-05	11:33	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-2	2005-04-20	12:51	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-2	2005-05-04	10:57	Solids, Total Suspended (TSS)	12	mg/L	16 ft
RHJA	RHJA-2	2005-05-04	10:51	Solids, Total Suspended (TSS)	6	mg/L	1 ft
RHJA	RHJA-2	2005-05-25	10:46	Solids, Total Suspended (TSS)	4	mg/L	16 ft
RHJA	RHJA-2	2005-05-25	10:43	Solids, Total Suspended (TSS)	10	mg/L	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJA	RHJA-2	2005-06-15	10:58	Solids, Total Suspended (TSS)	12	mg/L	16 ft
RHJA	RHJA-2	2005-06-15	10:53	Solids, Total Suspended (TSS)	8	mg/L	1 ft
RHJA	RHJA-2	2005-07-13	10:07	Solids, Total Suspended (TSS)	20	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:39	Solids, Total Suspended (TSS)	33	mg/L	16 ft
RHJA	RHJA-2	2005-07-27	10:35	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-2	2005-08-11	10:07	Solids, Total Suspended (TSS)	5	mg/L	16 ft
RHJA	RHJA-2	2005-08-11	10:01	Solids, Total Suspended (TSS)	5	mg/L	1 ft
RHJA	RHJA-3	2004-07-01	17:00	Solids, Total Suspended (TSS)	11	mg/L	12 ft
RHJA	RHJA-3	2004-07-01	16:55	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-3	2004-07-14	11:55	Solids, Total Suspended (TSS)	7	mg/L	13 ft
RHJA	RHJA-3	2004-07-14	11:50	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-3	2004-07-28	12:40	Solids, Total Suspended (TSS)	6	mg/L	12 ft
RHJA	RHJA-3	2004-07-28	12:34	Solids, Total Suspended (TSS)	9	mg/L	1 ft
RHJA	RHJA-3	2004-08-12	11:15	Solids, Total Suspended (TSS)	16	mg/L	12 ft
RHJA	RHJA-3	2004-08-12	11:10	Solids, Total Suspended (TSS)	11	mg/L	1 ft
RHJA	RHJA-3	2004-08-24	16:14	Solids, Total Suspended (TSS)	15	mg/L	12 ft
RHJA	RHJA-3	2004-08-24	16:10	Solids, Total Suspended (TSS)	9	mg/L	1 ft
RHJA	RHJA-3	2004-09-08	10:54	Solids, Total Suspended (TSS)	14	mg/L	12 ft
RHJA	RHJA-3	2004-09-08	10:50	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-3	2004-09-22	11:21	Solids, Total Suspended (TSS)	17	mg/L	12 ft
RHJA	RHJA-3	2004-09-22	11:15	Solids, Total Suspended (TSS)	18	mg/L	1 ft
RHJA	RHJA-3	2004-10-13	11:08	Solids, Total Suspended (TSS)	14	mg/L	12 ft
RHJA	RHJA-3	2004-10-13	11:03	Solids, Total Suspended (TSS)	15	mg/L	1 ft
RHJA	RHJA-3	2004-11-01	11:39	Solids, Total Suspended (TSS)	18	mg/L	12 ft
RHJA	RHJA-3	2004-11-01	11:35	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJA	RHJA-3	2004-12-09	11:03	Solids, Total Suspended (TSS)	10	mg/L	12 ft
RHJA	RHJA-3	2004-12-09	10:58	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-3	2005-01-26	11:33	Solids, Total Suspended (TSS)	16	mg/L	1 ft
RHJA	RHJA-3	2005-03-23	10:51	Solids, Total Suspended (TSS)	8	mg/L	1 ft
RHJA	RHJA-3	2005-04-05	12:05	Solids, Total Suspended (TSS)	18	mg/L	12 ft
RHJA	RHJA-3	2005-04-05	12:01	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-3	2005-04-19	14:30	Solids, Total Suspended (TSS)	10	mg/L	1 ft
RHJA	RHJA-3	2005-04-20	13:25	Solids, Total Suspended (TSS)	18	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:39	Solids, Total Suspended (TSS)	0	mg/L	12 ft
RHJA	RHJA-3	2005-05-04	11:32	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-3	2005-05-25	11:19	Solids, Total Suspended (TSS)	8	mg/L	12 ft
RHJA	RHJA-3	2005-05-25	11:15	Solids, Total Suspended (TSS)	4	mg/L	1 ft
RHJA	RHJA-3	2005-06-15	11:30	Solids, Total Suspended (TSS)	20	mg/L	12 ft
RHJA	RHJA-3	2005-06-15	11:27	Solids, Total Suspended (TSS)	6	mg/L	1 ft
RHJA	RHJA-3	2005-07-13	10:28	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	10:58	Solids, Total Suspended (TSS)	12	mg/L	1 ft
RHJA	RHJA-3	2005-07-27	11:01	Solids, Total Suspended (TSS)	10	mg/L	12 ft
RHJA	RHJA-3	2005-08-11	10:35	Solids, Total Suspended (TSS)	6	mg/L	1 ft
RHJA	RHJA-3	2005-08-11	10:38	Solids, Total Suspended (TSS)	3	mg/L	12 ft
UHH	UHH-1	2002-05-14		Solids, Total Suspended (TSS)	8.5	mg/L	3
UHH	UHH-1	2002-06-18		Solids, Total Suspended (TSS)	10	mg/L	3

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-1	2002-07-23		Solids, Total Suspended (TSS)	19	mg/L	3
UHH	UHH-1	2002-08-20		Solids, Total Suspended (TSS)	16	mg/L	3
UHH	UHH-1	2002-09-17		Solids, Total Suspended (TSS)	22	mg/L	3
UHH	UHH-2	2002-05-14		Solids, Total Suspended (TSS)	3.7	mg/L	3
UHH	UHH-2	2002-06-18		Solids, Total Suspended (TSS)	5.8	mg/L	3
UHH	UHH-2	2002-07-23		Solids, Total Suspended (TSS)	10.3	mg/L	3
UHH	UHH-2	2002-08-20		Solids, Total Suspended (TSS)	NA	mg/L	3
UHH	UHH-2	2002-09-17		Solids, Total Suspended (TSS)	7.9	mg/L	3
RHJ	RHJ-1	2011-06-14	9:18	Solids, Total Volatile	9.7	%	8 ft
RHJ	RHJ-3	2011-06-14	10:59	Solids, Total Volatile	9	%	5 ft
UHH	UHH-1	2002-05-14		Specific conductance	1.086	mS/cm	3
UHH	UHH-1	2002-06-18		Specific conductance	1.221	mS/cm	3
UHH	UHH-1	2002-07-23		Specific conductance	1.241	mS/cm	3
UHH	UHH-1	2002-08-20		Specific conductance	1.242	mS/cm	3
UHH	UHH-1	2002-09-17		Specific conductance	1.147	mS/cm	3
UHH	UHH-2	2002-05-14		Specific conductance	1.47	mS/cm	3
UHH	UHH-2	2002-06-18		Specific conductance	1.317	mS/cm	3
UHH	UHH-2	2002-07-23		Specific conductance	1.262	mS/cm	3
UHH	UHH-2	2002-08-20		Specific conductance	1.217	mS/cm	3
UHH	UHH-2	2002-09-17		Specific conductance	1.165	mS/cm	3
UHH	UHH-1	2002-05-14		Sulfate	NA	mg/L	3
UHH	UHH-1	2002-06-18		Sulfate	NA	mg/L	3
UHH	UHH-1	2002-07-23		Sulfate	NA	mg/L	3
UHH	UHH-1	2002-08-20		Sulfate	NA	mg/L	3
UHH	UHH-1	2002-09-17		Sulfate	NA	mg/L	3
UHH	UHH-2	2002-05-14		Sulfate	NA	mg/L	3
UHH	UHH-2	2002-06-18		Sulfate	NA	mg/L	3
UHH	UHH-2	2002-07-23		Sulfate	NA	mg/L	3
UHH	UHH-2	2002-08-20		Sulfate	NA	mg/L	3
UHH	UHH-2	2002-09-17		Sulfate	NA	mg/L	3
HCC-07	HCC-07	2002-10-29	11:50	Temperature, water	9.04	deg c	
HCC-07	HCC-07	2011-10-20	12:05	Temperature, water	10.32	deg C	
HCC-07	HCC-07	2000-03-01	12:45	Temperature, water	9.11	deg c	
HCC-07	HCC-07	2011-12-14	13:45	Temperature, water	5.97	deg C	
HCC-07	HCC-07	2000-01-24	13:15	Temperature, water	0.2	deg c	
HCC-07	HCC-07	1999-12-16	13:30	Temperature, water	4.72	deg c	
HCC-07	HCC-07	1999-09-30	12:30	Temperature, water	15.39	deg c	
HCC-07	HCC-07	1999-11-03	12:30	Temperature, water	8.24	deg c	
HCC-07	HCC-07	2003-08-21	12:30	Temperature, water	24.75	deg C	
HCC-07	HCC-07	2000-11-01	12:30	Temperature, water	14.34	deg c	
HCC-07	HCC-07	2000-09-28	13:10	Temperature, water	15.08	deg c	
HCC-07	HCC-07	2001-04-05	12:00	Temperature, water	8.87	deg c	
HCC-07	HCC-07	2000-05-18	10:15	Temperature, water	14.92	deg c	
HCC-07	HCC-07	2000-08-10	12:40	Temperature, water	23.65	deg c	
HCC-07	HCC-07	2011-09-12	9:35	Temperature, water	20.16	deg C	
HCC-07	HCC-07	2002-05-20	13:30	Temperature, water	12.04	deg c	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2000-04-13	13:20	Temperature, water	9.75	deg c	
HCC-07	HCC-07	2000-07-11	12:30	Temperature, water	21.68	deg c	
HCC-07	HCC-07	2004-05-13	12:45	Temperature, water	19.63	deg C	
HCC-07	HCC-07	2004-04-12	13:30	Temperature, water	9	deg C	
HCC-07	HCC-07	2002-09-17	12:00	Temperature, water	18.3	deg c	
HCC-07	HCC-07	2004-08-04	13:15	Temperature, water	21.97	deg C	
HCC-07	HCC-07	2004-06-21	12:45	Temperature, water	18.83	deg C	
HCC-07	HCC-07	2003-12-22	12:45	Temperature, water	3.57	deg C	
HCC-07	HCC-07	2003-11-06	12:15	Temperature, water	10.45	deg C	
HCC-07	HCC-07	2004-03-10	13:15	Temperature, water	5.39	deg C	
HCC-07	HCC-07	2004-02-05	11:30	Temperature, water	-0.25	deg C	
HCC-07	HCC-07	2003-09-23	12:30	Temperature, water	16.64	deg C	
HCC-07	HCC-07	1999-04-01	11:45	Temperature, water	12.97	deg c	
HCC-07	HCC-07	1999-05-18	12:15	Temperature, water	17.71	deg c	
HCC-07	HCC-07	1999-06-22	13:00	Temperature, water	21.86	deg c	
HCC-07	HCC-07	1999-08-24	15:45	Temperature, water	21.42	deg c	
HCC-07	HCC-07	2004-10-26	11:30	Temperature, water	13.7	deg C	
HCC-07	HCC-07	2004-09-14	12:15	Temperature, water	21.46	deg C	
HCC-07	HCC-07	2002-12-12	11:00	Temperature, water	2.03	deg c	
HCC-07	HCC-07	1999-03-05	12:10	Temperature, water	4.74	deg c	
HCC-07	HCC-07	2004-11-23	11:45	Temperature, water	9.38	deg C	
HCC-07	HCC-07	2009-05-28	11:45	Temperature, water	15.11	deg C	
HCC-07	HCC-07	2009-06-29	11:00	Temperature, water	22.16	deg C	
HCC-07	HCC-07	2009-03-05	8:40	Temperature, water	3.81	deg C	
HCC-07	HCC-07	2009-04-27	11:55	Temperature, water	13.76	deg C	
HCC-07	HCC-07	2009-03-23	10:45	Temperature, water	8.12	deg C	
HCC-07	HCC-07	2009-12-08	10:00	Temperature, water	2.98	deg C	
HCC-07	HCC-07	2009-11-05	9:15	Temperature, water	9.3	deg C	
HCC-07	HCC-07	2010-01-25	10:33	Temperature, water	1.66	deg C	
HCC-07	HCC-07	2009-08-06	11:00	Temperature, water	20.97	deg C	
HCC-07	HCC-07	2009-09-15	11:25	Temperature, water	20.26	deg C	
HCC-07	HCC-07	2012-03-13	10:00	Temperature, water	9.81	deg C	
HCC-07	HCC-07	2012-04-16	9:15	Temperature, water	15.15	deg C	
HCC-07	HCC-07	2001-02-14	12:30	Temperature, water	2.28	deg c	
HCC-07	HCC-07	2012-05-29	9:40	Temperature, water	22.04	deg C	
HCC-07	HCC-07	2012-06-25	8:30	Temperature, water	22.01	deg C	
HCC-07	HCC-07	2012-07-24	9:00	Temperature, water	24.16	deg C	
HCC-07	HCC-07	2012-01-26	10:00	Temperature, water	1.96	deg C	
HCC-07	HCC-07	2013-05-20	13:10	Temperature, water	21.4	deg C	
HCC-07	HCC-07	2013-07-01	10:00	Temperature, water	20.04	deg C	
HCC-07	HCC-07	2013-08-05	10:50	Temperature, water	20.87	deg C	
HCC-07	HCC-07	2013-09-26	9:20	Temperature, water	16.08	deg C	
HCC-07	HCC-07	2001-05-02	12:30	Temperature, water	18.55	deg c	
HCC-07	HCC-07	2013-10-29	13:45	Temperature, water	9.11	deg C	
HCC-07	HCC-07	2013-12-10	9:00	Temperature, water	0.03	deg C	
HCC-07	HCC-07	2012-10-29	11:00	Temperature, water	8.68	deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2012-12-17	8:45	Temperature, water	6.34	deg C	
HCC-07	HCC-07	2013-01-30	9:55	Temperature, water	4.7	deg C	
HCC-07	HCC-07	2012-09-17	9:15	Temperature, water	17.65	deg C	
HCC-07	HCC-07	2013-03-14	8:00	Temperature, water	1.68	deg C	
HCC-07	HCC-07	2013-04-16	9:00	Temperature, water	9.7	deg C	
HCC-07	HCC-07	2001-08-02	11:05	Temperature, water	23.79	deg c	
HCC-07	HCC-07	2008-10-08	10:40	Temperature, water	0.28	deg C	
HCC-07	HCC-07	2001-12-19	13:00	Temperature, water	6.94	deg c	
HCC-07	HCC-07	2001-11-08	12:00	Temperature, water	11.63	deg c	
HCC-07	HCC-07	2002-04-03	15:30	Temperature, water	6.68	deg c	
HCC-07	HCC-07	2010-07-01	12:20	Temperature, water	20.81	deg C	
HCC-07	HCC-07	2010-05-26	12:05	Temperature, water	22.2	deg C	
HCC-07	HCC-07	2010-08-05	10:45	Temperature, water	23.56	deg C	
HCC-07	HCC-07	2010-03-12	10:00	Temperature, water	3.45	deg C	
HCC-07	HCC-07	2010-04-14	11:40	Temperature, water	13.24	deg C	
HCC-07	HCC-07	2010-12-13	9:00	Temperature, water	-0.02	deg C	
HCC-07	HCC-07	2001-03-19	12:00	Temperature, water	4.33	deg c	
HCC-07	HCC-07	2010-09-16	11:20	Temperature, water	19.57	deg C	
HCC-07	HCC-07	2010-11-09	9:30	Temperature, water	8.57	deg C	
HCC-07	HCC-07	2002-01-30	13:30	Temperature, water	4	deg c	
HCC-07	HCC-07	2002-07-01	13:30	Temperature, water	25.3	deg c	
HCC-07	HCC-07	2002-07-30	10:15	Temperature, water	23.77	deg c	
HCC-07	HCC-07	2006-07-25	9:00	Temperature, water	23.49	deg C	
HCC-07	HCC-07	2006-07-19	9:30	Temperature, water	23.92	deg C	
HCC-07	HCC-07	2006-07-11	9:33	Temperature, water	21.19	deg C	
HCC-07	HCC-07	2006-05-25	10:55	Temperature, water	17.61	deg C	
HCC-07	HCC-07	2006-04-05	11:30	Temperature, water	8.53	deg C	
HCC-07	HCC-07	2006-03-07	10:10	Temperature, water	2.33	deg C	
HCC-07	HCC-07	2006-01-24	9:25	Temperature, water	1.6	deg C	
HCC-07	HCC-07	2007-01-11	13:30	Temperature, water	2.93	deg C	
HCC-07	HCC-07	2006-09-07	12:50	Temperature, water	20.97	deg C	
HCC-07	HCC-07	2006-11-06	10:40	Temperature, water	8.73	deg C	
HCC-07	HCC-07	2006-09-28	10:00	Temperature, water	14.86	deg C	
HCC-07	HCC-07	2006-09-18	8:20	Temperature, water	19.84	deg C	
HCC-07	HCC-07	2006-11-29	9:30	Temperature, water	12.37	deg C	
HCC-07	HCC-07	2005-06-06	12:45	Temperature, water	21.98	deg C	
HCC-07	HCC-07	2003-03-20	12:30	Temperature, water	6.03	deg C	
HCC-07	HCC-07	2005-04-05	12:40	Temperature, water	13.12	deg C	
HCC-07	HCC-07	2005-05-03	12:45	Temperature, water	8.42	deg C	
HCC-07	HCC-07	2003-06-04	13:15	Temperature, water	14.75	deg C	
HCC-07	HCC-07	2005-01-11	11:15	Temperature, water	3.58	deg C	
HCC-07	HCC-07	2005-11-17	10:20	Temperature, water	1.87	deg C	
HCC-07	HCC-07	2005-08-08	13:15	Temperature, water	24.3	deg C	
HCC-07	HCC-07	2005-09-07	11:30	Temperature, water	22	deg C	
HCC-07	HCC-07	2005-10-26	9:30	Temperature, water	9	deg C	
HCC-07	HCC-07	2003-04-30	13:20	Temperature, water	12.22	deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2011-04-20	9:00	Temperature, water	5.16	deg C	
HCC-07	HCC-07	2011-06-02	12:50	Temperature, water	17.5	deg C	
HCC-07	HCC-07	2011-06-28	11:30	Temperature, water	20.9	deg C	
HCC-07	HCC-07	2011-03-03	9:15	Temperature, water	2.75	deg C	
HCC-07	HCC-07	2003-07-16	13:20	Temperature, water	22.6	deg C	
HCC-07	HCC-07	2003-01-30	13:00	Temperature, water	0.1	deg C	
HCC-07	HCC-07	2005-03-03	11:15	Temperature, water	2	deg C	
HCC-07	HCC-07	2011-07-21	9:10	Temperature, water	26.93	deg C	
HCC-07	WW_34	2011-05-09		Temperature, water	14.1	Deg C	
HCC-07	WW_34	2012-04-09		Temperature, water	13.1	Deg C	
HCC-07	WW_34	2011-07-11		Temperature, water	23.6	Deg C	
HCC-07	WW_34	2012-05-14		Temperature, water	15.4	Deg C	
HCC-07	WW_34	2011-08-08		Temperature, water	24.7	Deg C	
HCC-07	WW_34	2011-12-12		Temperature, water	2.5	Deg C	
HCC-07	WW_34	2011-01-10		Temperature, water	3.1	Deg C	
HCC-07	WW_34	2012-06-11		Temperature, water	23.7	Deg C	
HCC-07	WW_34	2011-03-14		Temperature, water	3.3	Deg C	
HCC-07	WW_34	2011-10-10		Temperature, water	17.1	Deg C	
HCC-07	WW_34	2011-06-13		Temperature, water	18.8	Deg C	
HCC-07	WW_34	2012-03-12		Temperature, water	10.7	Deg C	
HCC-07	WW_34	2011-04-11		Temperature, water	15.2	Deg C	
HCC-07	WW_34	2012-01-17		Temperature, water	3	Deg C	
HCC-07	WW_34	2012-02-14		Temperature, water	1.3	Deg C	
HCC-07	WW_34	2011-09-12		Temperature, water	19.6	Deg C	
HCC-07	WW_34	2012-07-16		Temperature, water	26.2	Deg C	
HCC-07	WW_34	2011-11-14		Temperature, water	8.8	Deg C	
HCC-07	WW_34	2004-12-13		Temperature, water	3.5	Deg C	
HCC-07	WW_34	2005-05-09		Temperature, water	21.5	Deg C	
HCC-07	WW_34	2004-09-13		Temperature, water	25.4	Deg C	
HCC-07	WW_34	2005-03-14		Temperature, water	5.4	Deg C	
HCC-07	WW_34	2005-01-10		Temperature, water	3.7	Deg C	
HCC-07	WW_34	2004-08-09		Temperature, water	25.5	Deg C	
HCC-07	WW_34	2004-06-14		Temperature, water	23.8	Deg C	
HCC-07	WW_34	2005-07-11		Temperature, water	23.8	Deg C	
HCC-07	WW_34	2005-09-12		Temperature, water	25.9	Deg C	
HCC-07	WW_34	2004-07-12		Temperature, water	23.1	Deg C	
HCC-07	WW_34	2004-10-11		Temperature, water	17.9	Deg C	
HCC-07	WW_34	2004-11-08		Temperature, water	8.6	Deg C	
HCC-07	WW_34	2005-04-11		Temperature, water	14	Deg C	
HCC-07	WW_34	2005-02-14		Temperature, water	3.4	Deg C	
HCC-07	WW_34	2005-06-13		Temperature, water	28.1	Deg C	
HCC-07	WW_34	2005-08-08		Temperature, water	23.9	Deg C	
HCC-07	WW_34	2006-08-14		Temperature, water	22	Deg C	
HCC-07	WW_34	2006-12-11		Temperature, water	5	Deg C	
HCC-07	WW_34	2005-10-10		Temperature, water	22.6	Deg C	
HCC-07	WW_34	2006-03-13		Temperature, water	10.2	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2006-05-08		Temperature, water	15.8	Deg C	
HCC-07	WW_34	2007-03-12		Temperature, water	4	Deg C	
HCC-07	WW_34	2006-10-09		Temperature, water	17.2	Deg C	
HCC-07	WW_34	2006-01-09		Temperature, water	4.2	Deg C	
HCC-07	WW_34	2006-06-12		Temperature, water	17	Deg C	
HCC-07	WW_34	2006-04-10		Temperature, water	10.2	Deg C	
HCC-07	WW_34	2006-02-14		Temperature, water	4.1	Deg C	
HCC-07	WW_34	2006-09-11		Temperature, water	17.9	Deg C	
HCC-07	WW_34	2007-04-09		Temperature, water	6.8	Deg C	
HCC-07	WW_34	2006-11-13		Temperature, water	7.7	Deg C	
HCC-07	WW_34	2007-01-08		Temperature, water	5	Deg C	
HCC-07	WW_34	2005-11-14		Temperature, water	11.9	Deg C	
HCC-07	WW_34	2006-07-10		Temperature, water	22	Deg C	
HCC-07	WW_34	2008-11-10		Temperature, water	6.2	Deg C	
HCC-07	WW_34	2009-09-14		Temperature, water	19.8	Deg C	
HCC-07	WW_34	2009-07-13		Temperature, water	21.6	Deg C	
HCC-07	WW_34	2007-11-13		Temperature, water	10.2	Deg C	
HCC-07	WW_34	2009-08-10		Temperature, water	25.2	Deg C	
HCC-07	WW_34	2008-10-13		Temperature, water	18.7	Deg C	
HCC-07	WW_34	2007-09-10		Temperature, water	22.1	Deg C	
HCC-07	WW_34	2009-11-09		Temperature, water	16.8	Deg C	
HCC-07	WW_34	2007-10-08		Temperature, water	21.9	Deg C	
HCC-07	WW_34	2009-10-12		Temperature, water	10	Deg C	
HCC-07	WW_34	2008-05-12		Temperature, water	12.4	Deg C	
HCC-07	WW_34	2009-05-11		Temperature, water	12.8	Deg C	
HCC-07	WW_34	2009-03-09		Temperature, water	4.4	Deg C	
HCC-07	WW_34	2008-03-10		Temperature, water	2.3	Deg C	
HCC-07	WW_34	2009-04-13		Temperature, water	8.2	Deg C	
HCC-07	WW_34	2009-02-09		Temperature, water	2.6	Deg C	
HCC-07	WW_34	2008-12-08		Temperature, water	12	Deg C	
HCC-07	WW_34	2007-12-10		Temperature, water	3.1	Deg C	
HCC-07	WW_34	2009-06-08		Temperature, water	15.5	Deg C	
HCC-07	WW_34	2008-04-14		Temperature, water	11	Deg C	
HCC-07	WW_34	2008-01-14		Temperature, water	2.6	Deg C	
HCC-07	WW_34	2009-01-12		Temperature, water	0.5	Deg C	
HCC-07	WW_34	2010-07-12		Temperature, water	23.4	Deg C	
HCC-07	WW_34	2008-06-09		Temperature, water	21	Deg C	
HCC-07	WW_34	2007-07-09		Temperature, water	26.5	Deg C	
HCC-07	WW_34	2008-09-08		Temperature, water	19.2	Deg C	
HCC-07	WW_34	2010-06-14		Temperature, water	19.8	Deg C	
HCC-07	WW_34	2007-06-11		Temperature, water	21.1	Deg C	
HCC-07	WW_34	2008-07-14		Temperature, water	23.1	Deg C	
HCC-07	WW_34	2007-05-14		Temperature, water	15.7	Deg C	
HCC-07	WW_34	2008-08-11		Temperature, water	20.3	Deg C	
HCC-07	WW_34	2010-08-09		Temperature, water	24.2	Deg C	
HCC-07	WW_34	2010-05-10		Temperature, water	12.6	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2010-02-08		Temperature, water	1.8	Deg C	
HCC-07	WW_34	2007-08-13		Temperature, water	25.6	Deg C	
HCC-07	WW_34	2010-03-08		Temperature, water	5.8	Deg C	
HCC-07	WW_34	2009-12-14		Temperature, water	4.8	Deg C	
HCC-07	WW_34	2010-01-11		Temperature, water	2.1	Deg C	
HCC-07	WW_34	2010-04-12		Temperature, water	12.2	Deg C	
HCC-07	WW_34	2003-04-14		Temperature, water	12.4	Deg C	
HCC-07	WW_34	2002-02-11		Temperature, water	4.9	Deg C	
HCC-07	WW_34	2002-06-10		Temperature, water	22.6	Deg C	
HCC-07	WW_34	2001-03-12		Temperature, water	6.1	Deg C	
HCC-07	WW_34	2001-10-08		Temperature, water	12.4	Deg C	
HCC-07	WW_34	2003-11-10		Temperature, water	6.7	Deg C	
HCC-07	WW_34	2003-03-10		Temperature, water	1.5	Deg C	
HCC-07	WW_34	2001-11-13		Temperature, water	11.3	Deg C	
HCC-07	WW_34	2002-03-11		Temperature, water	4.7	Deg C	
HCC-07	WW_34	2004-01-12		Temperature, water	7.8	Deg C	
HCC-07	WW_34	2002-04-08		Temperature, water	10.7	Deg C	
HCC-07	WW_34	2004-02-09		Temperature, water	1.8	Deg C	
HCC-07	WW_34	2001-01-16		Temperature, water	4	Deg C	
HCC-07	WW_34	2001-08-13		Temperature, water	27.7	Deg C	
HCC-07	WW_34	2003-05-12		Temperature, water	16.8	Deg C	
HCC-07	WW_34	2001-07-09		Temperature, water	25	Deg C	
HCC-07	WW_34	2002-05-13		Temperature, water	10.8	Deg C	
HCC-07	WW_34	2003-06-09		Temperature, water	17.8	Deg C	
HCC-07	WW_34	2003-12-08		Temperature, water	5.4	Deg C	
HCC-07	WW_34	2004-03-08		Temperature, water	10.7	Deg C	
HCC-07	WW_34	2001-02-13		Temperature, water	3.6	Deg C	
HCC-07	WW_34	2003-09-08		Temperature, water	21.2	Deg C	
HCC-07	WW_34	2002-01-14		Temperature, water	4.9	Deg C	
HCC-07	WW_34	2003-08-11		Temperature, water	21.7	Deg C	
HCC-07	WW_34	2004-05-10		Temperature, water	28	Deg C	
HCC-07	WW_34	2001-12-10		Temperature, water	6.7	Deg C	
HCC-07	WW_34	2002-11-12		Temperature, water	11	Deg C	
HCC-07	WW_34	2001-05-14		Temperature, water	18.9	Deg C	
HCC-07	WW_34	2001-06-11		Temperature, water	24.2	Deg C	
HCC-07	WW_34	2002-07-08		Temperature, water	23.6	Deg C	
HCC-07	WW_34	2003-01-13		Temperature, water	4	Deg C	
HCC-07	WW_34	2001-09-10		Temperature, water	19.9	Deg C	
HCC-07	WW_34	2004-04-12		Temperature, water	7.4	Deg C	
HCC-07	WW_34	2001-04-09		Temperature, water	10	Deg C	
HCC-07	WW_34	2002-12-09		Temperature, water	5.5	Deg C	
HCC-07	WW_34	2002-08-12		Temperature, water	24.2	Deg C	
HCC-07	WW_34	2003-10-13		Temperature, water	20.9	Deg C	
HCC-07	WW_34	2003-07-14		Temperature, water	29.3	Deg C	
HCC-07	WW_96	2014-06-09		Temperature, water	19.4	Deg C	
HCC-07	WW_96	2014-04-14		Temperature, water	10.6	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2012-04-09		Temperature, water	15.1	Deg C	
HCC-07	WW_96	2010-12-13		Temperature, water	0.3	Deg C	
HCC-07	WW_96	2011-09-12		Temperature, water	23.4	Deg C	
HCC-07	WW_96	2014-05-12		Temperature, water	20.5	Deg C	
HCC-07	WW_96	2014-11-10		Temperature, water	12.5	Deg C	
HCC-07	WW_96	2014-08-11		Temperature, water	23.2	Deg C	
HCC-07	WW_96	2014-10-13		Temperature, water	13.8	Deg C	
HCC-07	WW_96	2011-11-14		Temperature, water	9.6	Deg C	
HCC-07	WW_96	2012-01-17		Temperature, water	0.9	Deg C	
HCC-07	WW_96	2010-10-11		Temperature, water	19.2	Deg C	
HCC-07	WW_96	2011-12-12		Temperature, water	1.6	Deg C	
HCC-07	WW_96	2014-12-08		Temperature, water	2.9	Deg C	
HCC-07	WW_96	2011-10-10		Temperature, water	17.7	Deg C	
HCC-07	WW_96	2012-03-12		Temperature, water	14.7	Deg C	
HCC-07	WW_96	2014-07-14		Temperature, water	21.1	Deg C	
HCC-07	WW_96	2014-09-15		Temperature, water	15.3	Deg C	
HCC-07	WW_96	2010-11-08		Temperature, water	9.81	Deg C	
HCC-07	WW_96	2012-02-14		Temperature, water	2.1	Deg C	
HCC-07	WW_96	2012-09-10		Temperature, water	27	Deg C	
HCC-07	WW_96	2013-05-13		Temperature, water	13.4	Deg C	
HCC-07	WW_96	2013-04-08		Temperature, water	11.5	Deg C	
HCC-07	WW_96	2012-08-13		Temperature, water	22.6	Deg C	
HCC-07	WW_96	2013-06-10		Temperature, water	19.6	Deg C	
HCC-07	WW_96	2013-01-14		Temperature, water	1.8	Deg C	
HCC-07	WW_96	2013-03-11		Temperature, water	4	Deg C	
HCC-07	WW_96	2012-10-08		Temperature, water	10.8	Deg C	
HCC-07	WW_96	2011-06-13		Temperature, water	16.8	Deg C	
HCC-07	WW_96	2011-04-11		Temperature, water	14.3	Deg C	
HCC-07	WW_96	2013-02-11		Temperature, water	2.1	Deg C	
HCC-07	WW_96	2011-05-09		Temperature, water	15.1	Deg C	
HCC-07	WW_96	2012-11-13		Temperature, water	6.6	Deg C	
HCC-07	WW_96	2012-12-10		Temperature, water	5.2	Deg C	
HCC-07	WW_96	2013-12-09		Temperature, water	1.4	Deg C	
HCC-07	WW_96	2011-08-08		Temperature, water	24.7	Deg C	
HCC-07	WW_96	2014-03-10		Temperature, water	3.7	Deg C	
HCC-07	WW_96	2014-01-13		Temperature, water	10.1	Deg C	
HCC-07	WW_96	2012-05-14		Temperature, water	17.4	Deg C	
HCC-07	WW_96	2011-01-10		Temperature, water	2.1	Deg C	
HCC-07	WW_96	2012-06-11		Temperature, water	27.1	Deg C	
HCC-07	WW_96	2013-08-12		Temperature, water	21.1	Deg C	
HCC-07	WW_96	2012-07-16		Temperature, water	26.3	Deg C	
HCC-07	WW_96	2013-07-15		Temperature, water	26.1	Deg C	
HCC-07	WW_96	2011-03-14		Temperature, water	4	Deg C	
HCC-07	WW_96	2013-09-16		Temperature, water	17.1	Deg C	
HCC-07	WW_96	2011-07-11		Temperature, water	25.5	Deg C	
HCC-07	WW_96	2013-11-12		Temperature, water	5.1	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2013-10-14		Temperature, water	17.9	Deg C	
HCC-07	WW_96	2005-06-13		Temperature, water	25.3	Deg C	
HCC-07	WW_96	2005-04-11		Temperature, water	15.7	Deg C	
HCC-07	WW_96	2005-05-09		Temperature, water	19.9	Deg C	
HCC-07	WW_96	2004-11-08		Temperature, water	13.3	Deg C	
HCC-07	WW_96	2004-12-13		Temperature, water	1.8	Deg C	
HCC-07	WW_96	2004-08-09		Temperature, water	21.4	Deg C	
HCC-07	WW_96	2005-01-10		Temperature, water	5.2	Deg C	
HCC-07	WW_96	2005-08-08		Temperature, water	24.8	Deg C	
HCC-07	WW_96	2004-06-14		Temperature, water	22	Deg C	
HCC-07	WW_96	2004-07-12		Temperature, water	23.8	Deg C	
HCC-07	WW_96	2005-02-14		Temperature, water	4	Deg C	
HCC-07	WW_96	2004-10-11		Temperature, water	14.2	Deg C	
HCC-07	WW_96	2005-09-12		Temperature, water	23.7	Deg C	
HCC-07	WW_96	2005-07-11		Temperature, water	24.7	Deg C	
HCC-07	WW_96	2004-09-13		Temperature, water	21.9	Deg C	
HCC-07	WW_96	2005-03-14		Temperature, water	3.8	Deg C	
HCC-07	WW_96	2008-10-13		Temperature, water	20	Deg C	
HCC-07	WW_96	2007-05-14		Temperature, water	17.4	Deg C	
HCC-07	WW_96	2010-05-10		Temperature, water	12.7	Deg C	
HCC-07	WW_96	2006-10-09		Temperature, water	15.5	Deg C	
HCC-07	WW_96	2008-05-12		Temperature, water	15.3	Deg C	
HCC-07	WW_96	2010-09-13		Temperature, water	21.1	Deg C	
HCC-07	WW_96	2010-03-08		Temperature, water	10.1	Deg C	
HCC-07	WW_96	2007-08-13		Temperature, water	24.9	Deg C	
HCC-07	WW_96	2005-10-10		Temperature, water	13.5	Deg C	
HCC-07	WW_96	2006-08-14		Temperature, water	22.8	Deg C	
HCC-07	WW_96	2010-04-12		Temperature, water	13.2	Deg C	
HCC-07	WW_96	2008-07-14		Temperature, water	22.63	Deg C	
HCC-07	WW_96	2006-01-09		Temperature, water	5.8	Deg C	
HCC-07	WW_96	2006-09-11		Temperature, water	17.2	Deg C	
HCC-07	WW_96	2007-06-11		Temperature, water	21.2	Deg C	
HCC-07	WW_96	2010-07-12		Temperature, water	25.6	Deg C	
HCC-07	WW_96	2010-08-09		Temperature, water	25.8	Deg C	
HCC-07	WW_96	2007-04-09		Temperature, water	11.8	Deg C	
HCC-07	WW_96	2005-11-14		Temperature, water	10.2	Deg C	
HCC-07	WW_96	2008-06-09		Temperature, water	24	Deg C	
HCC-07	WW_96	2008-08-11		Temperature, water	24.8	Deg C	
HCC-07	WW_96	2008-09-08		Temperature, water	21.2	Deg C	
HCC-07	WW_96	2007-07-09		Temperature, water	22.3	Deg C	
HCC-07	WW_96	2010-06-14		Temperature, water	19.5	Deg C	
HCC-07	WW_96	2009-03-09		Temperature, water	6.3	Deg C	
HCC-07	WW_96	2006-04-10		Temperature, water	10	Deg C	
HCC-07	WW_96	2007-11-13		Temperature, water	10.1	Deg C	
HCC-07	WW_96	2007-01-08		Temperature, water	4.9	Deg C	
HCC-07	WW_96	2008-02-11		Temperature, water	0	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2009-07-13		Temperature, water	22.3	Deg C	
HCC-07	WW_96	2009-08-10		Temperature, water	25.7	Deg C	
HCC-07	WW_96	2006-12-11		Temperature, water	5.2	Deg C	
HCC-07	WW_96	2006-05-08		Temperature, water	17.5	Deg C	
HCC-07	WW_96	2008-01-14		Temperature, water	3.2	Deg C	
HCC-07	WW_96	2009-05-11		Temperature, water	13.8	Deg C	
HCC-07	WW_96	2006-06-12		Temperature, water	18.6	Deg C	
HCC-07	WW_96	2009-04-13		Temperature, water	8.5	Deg C	
HCC-07	WW_96	2007-12-10		Temperature, water	1.6	Deg C	
HCC-07	WW_96	2009-06-08		Temperature, water	16.7	Deg C	
HCC-07	WW_96	2009-02-09		Temperature, water	2.1	Deg C	
HCC-07	WW_96	2009-12-14		Temperature, water	4.3	Deg C	
HCC-07	WW_96	2006-02-14		Temperature, water	3.2	Deg C	
HCC-07	WW_96	2008-12-08		Temperature, water	0.5	Deg C	
HCC-07	WW_96	2010-02-08		Temperature, water	1.7	Deg C	
HCC-07	WW_96	2007-03-12		Temperature, water	7.5	Deg C	
HCC-07	WW_96	2008-11-10		Temperature, water	7.2	Deg C	
HCC-07	WW_96	2008-04-14		Temperature, water	9.8	Deg C	
HCC-07	WW_96	2006-11-13		Temperature, water	7.6	Deg C	
HCC-07	WW_96	2006-03-13		Temperature, water	9.5	Deg C	
HCC-07	WW_96	2008-03-10		Temperature, water	3	Deg C	
HCC-07	WW_96	2009-09-14		Temperature, water	21.1	Deg C	
HCC-07	WW_96	2007-10-08		Temperature, water	22.6	Deg C	
HCC-07	WW_96	2009-11-09		Temperature, water	13.5	Deg C	
HCC-07	WW_96	2009-10-12		Temperature, water	9.6	Deg C	
HCC-07	WW_96	2007-09-10		Temperature, water	21.5	Deg C	
HCC-07	WW_96	2009-01-12		Temperature, water	0.8	Deg C	
HCC-07	WW_96	2006-07-10		Temperature, water	22.5	Deg C	
HCC-07	WW_96	2001-05-14		Temperature, water	16.1	Deg C	
HCC-07	WW_96	2003-09-08		Temperature, water	24.7	Deg C	
HCC-07	WW_96	2001-01-16		Temperature, water	7.8	Deg C	
HCC-07	WW_96	2003-05-12		Temperature, water	14.5	Deg C	
HCC-07	WW_96	2001-02-13		Temperature, water	9.1	Deg C	
HCC-07	WW_96	2001-03-12		Temperature, water	5.7	Deg C	
HCC-07	WW_96	2001-04-09		Temperature, water	11.9	Deg C	
HCC-07	WW_96	2002-12-09		Temperature, water	1.9	Deg C	
HCC-07	WW_96	2003-07-14		Temperature, water	22.2	Deg C	
HCC-07	WW_96	2003-01-13		Temperature, water	0	Deg C	
HCC-07	WW_96	2003-04-14		Temperature, water	12	Deg C	
HCC-07	WW_96	2003-06-09		Temperature, water	17.8	Deg C	
HCC-07	WW_96	2002-11-12		Temperature, water	8.5	Deg C	
HCC-07	WW_96	2003-08-11		Temperature, water	23.1	Deg C	
HCC-07	WW_96	2002-02-11		Temperature, water	4.2	Deg C	
HCC-07	WW_96	2001-09-10		Temperature, water	22.7	Deg C	
HCC-07	WW_96	2004-04-12		Temperature, water	6.3	Deg C	
HCC-07	WW_96	2004-03-08		Temperature, water	11.9	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2002-03-11		Temperature, water	4.7	Deg C	
HCC-07	WW_96	2001-08-13		Temperature, water	22.6	Deg C	
HCC-07	WW_96	2001-10-08		Temperature, water	17.8	Deg C	
HCC-07	WW_96	2001-11-13		Temperature, water	9	Deg C	
HCC-07	WW_96	2002-01-14		Temperature, water	4.3	Deg C	
HCC-07	WW_96	2001-12-10		Temperature, water	13.5	Deg C	
HCC-07	WW_96	2004-05-10		Temperature, water	19.8	Deg C	
HCC-07	WW_96	2002-07-08		Temperature, water	25.2	Deg C	
HCC-07	WW_96	2001-06-11		Temperature, water	21.8	Deg C	
HCC-07	WW_96	2003-11-10		Temperature, water	6.6	Deg C	
HCC-07	WW_96	2002-08-12		Temperature, water	24	Deg C	
HCC-07	WW_96	2003-10-13		Temperature, water	26.3	Deg C	
HCC-07	WW_96	2001-07-09		Temperature, water	25.7	Deg C	
HCC-07	WW_96	2004-01-12		Temperature, water	1.4	Deg C	
HCC-07	WW_96	2002-09-09		Temperature, water	24.8	Deg C	
HCC-07	WW_96	2002-04-08		Temperature, water	9	Deg C	
HCC-07	WW_96	2002-06-10		Temperature, water	23.2	Deg C	
HCC-07	WW_96	2002-05-13		Temperature, water	11.7	Deg C	
HCC-07	WW_96	2003-12-08		Temperature, water	4.9	Deg C	
HCCB-05	HCCB-05	2001-09-18	11:05	Temperature, water	19.93	deg c	
HCCB-05	HCCB-05	2006-09-06	10:05	Temperature, water	19.79	deg C	
HCCB-05	HCCB-05	2001-07-02	10:15	Temperature, water	18.14	deg c	
HCCB-05	HCCB-05	2006-07-13	12:45	Temperature, water	26.88	deg C	
HCCB-05	HCCB-05	2006-07-21	10:55	Temperature, water	23.64	deg C	
HCCB-05	HCCB-05	2006-09-18	11:10	Temperature, water	20.14	deg C	
HCCB-05	HCCB-13	2011-08-17	11:55	Temperature, water	22.8	deg C	
HCCB-05	HCCB-13	2006-09-18	11:25	Temperature, water	19.58	deg C	
HCCB-05	HCCB-13	2011-09-19	12:30	Temperature, water	18.47	deg C	
HCCB-05	HCCB-13	2006-06-12	14:50	Temperature, water	19.74	deg C	
HCCB-05	HCCB-13	2006-07-25	12:00	Temperature, water	25.02	deg C	
HCCB-05	HCCB-13	2011-06-20	13:15	Temperature, water	18.6	deg C	
HCCB-05	WW_106	2010-11-08		Temperature, water	10.5	Deg C	
HCCB-05	WW_106	2011-12-12		Temperature, water	6.4	Deg C	
HCCB-05	WW_106	2012-02-14		Temperature, water	4.1	Deg C	
HCCB-05	WW_106	2010-10-11		Temperature, water	16.6	Deg C	
HCCB-05	WW_106	2012-01-17		Temperature, water	5.5	Deg C	
HCCB-05	WW_106	2011-11-14		Temperature, water	10.9	Deg C	
HCCB-05	WW_106	2010-12-13		Temperature, water	0.5	Deg C	
HCCB-05	WW_106	2012-03-12		Temperature, water	8.6	Deg C	
HCCB-05	WW_106	2011-03-14		Temperature, water	5.1	Deg C	
HCCB-05	WW_106	2011-07-11		Temperature, water	23	Deg C	
HCCB-05	WW_106	2012-07-16		Temperature, water	25.3	Deg C	
HCCB-05	WW_106	2011-05-09		Temperature, water	15.9	Deg C	
HCCB-05	WW_106	2011-06-13		Temperature, water	18.1	Deg C	
HCCB-05	WW_106	2011-04-11		Temperature, water	14.5	Deg C	
HCCB-05	WW_106	2011-08-08		Temperature, water	24.8	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2011-01-10		Temperature, water	2	Deg C	
HCCB-05	WW_106	2012-05-14		Temperature, water	15.8	Deg C	
HCCB-05	WW_106	2011-02-14		Temperature, water	6.7	Deg C	
HCCB-05	WW_106	2004-03-08		Temperature, water	5.6	Deg C	
HCCB-05	WW_106	2001-05-14		Temperature, water	16.7	Deg C	
HCCB-05	WW_106	2004-06-14		Temperature, water	27	Deg C	
HCCB-05	WW_106	2005-02-14		Temperature, water	9.5	Deg C	
HCCB-05	WW_106	2004-05-10		Temperature, water	19.4	Deg C	
HCCB-05	WW_106	2003-05-12		Temperature, water	21.8	Deg C	
HCCB-05	WW_106	2001-03-12		Temperature, water	5.9	Deg C	
HCCB-05	WW_106	2005-08-08		Temperature, water	26	Deg C	
HCCB-05	WW_106	2004-11-08		Temperature, water	9.2	Deg C	
HCCB-05	WW_106	2002-02-11		Temperature, water	4.2	Deg C	
HCCB-05	WW_106	2003-07-14		Temperature, water	23.3	Deg C	
HCCB-05	WW_106	2004-04-12		Temperature, water	8.1	Deg C	
HCCB-05	WW_106	2001-04-09		Temperature, water	12.9	Deg C	
HCCB-05	WW_106	2004-02-09		Temperature, water	3.3	Deg C	
HCCB-05	WW_106	2005-03-14		Temperature, water	5.4	Deg C	
HCCB-05	WW_106	2001-09-10		Temperature, water	20.9	Deg C	
HCCB-05	WW_106	2002-06-10		Temperature, water	23.4	Deg C	
HCCB-05	WW_106	2003-10-13		Temperature, water	13.2	Deg C	
HCCB-05	WW_106	2001-06-11		Temperature, water	27.9	Deg C	
HCCB-05	WW_106	2002-03-11		Temperature, water	4.8	Deg C	
HCCB-05	WW_106	2004-10-11		Temperature, water	17.8	Deg C	
HCCB-05	WW_106	2004-01-12		Temperature, water	6.4	Deg C	
HCCB-05	WW_106	2002-05-13		Temperature, water	13.1	Deg C	
HCCB-05	WW_106	2002-04-08		Temperature, water	8.4	Deg C	
HCCB-05	WW_106	2008-05-12		Temperature, water	13.9	Deg C	
HCCB-05	WW_106	2008-03-10		Temperature, water	3	Deg C	
HCCB-05	WW_106	2010-03-08		Temperature, water	6.7	Deg C	
HCCB-05	WW_106	2010-08-09		Temperature, water	24	Deg C	
HCCB-05	WW_106	2009-05-11		Temperature, water	11.7	Deg C	
HCCB-05	WW_106	2006-01-09		Temperature, water	9.8	Deg C	
HCCB-05	WW_106	2010-04-12		Temperature, water	11.1	Deg C	
HCCB-05	WW_106	2008-09-08		Temperature, water	19.1	Deg C	
HCCB-05	WW_106	2009-11-09		Temperature, water	15	Deg C	
HCCB-05	WW_106	2008-10-13		Temperature, water	18.1	Deg C	
HCCB-05	WW_106	2009-08-10		Temperature, water	25	Deg C	
HCCB-05	WW_106	2007-01-08		Temperature, water	4.8	Deg C	
HCCB-05	WW_106	2007-12-10		Temperature, water	5.8	Deg C	
HCCB-05	WW_106	2008-11-10		Temperature, water	8	Deg C	
HCCB-05	WW_106	2010-09-13		Temperature, water	22.3	Deg C	
HCCB-05	WW_106	2009-12-14		Temperature, water	7.1	Deg C	
HCCB-05	WW_106	2008-04-14		Temperature, water	9.4	Deg C	
HCCB-05	WW_106	2009-06-08		Temperature, water	16.2	Deg C	
HCCB-05	WW_106	2010-02-08		Temperature, water	4.5	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2009-01-12		Temperature, water	2.5	Deg C	
HCCB-05	WW_106	2006-03-13		Temperature, water	10.9	Deg C	
HCCB-05	WW_106	2009-03-09		Temperature, water	4.4	Deg C	
HCCB-05	WW_106	2009-10-12		Temperature, water	11.3	Deg C	
HCCB-05	WW_106	2006-12-11		Temperature, water	7.7	Deg C	
HCCB-05	WW_106	2008-07-14		Temperature, water	21.8	Deg C	
HCCB-05	WW_106	2007-08-13		Temperature, water	24.2	Deg C	
HCCB-05	WW_106	2009-02-09		Temperature, water	4.2	Deg C	
HCCB-05	WW_106	2010-07-12		Temperature, water	23.5	Deg C	
HCCB-05	WW_106	2008-08-11		Temperature, water	20.1	Deg C	
HCCB-05	WW_106	2009-09-14		Temperature, water	19	Deg C	
HCCB-05	WW_106	2010-05-10		Temperature, water	11.7	Deg C	
HCCB-05	WW_106	2005-11-14		Temperature, water	8.5	Deg C	
HCCB-05	WW_106	2006-09-11		Temperature, water	17.6	Deg C	
HCCB-05	WW_106	2008-06-09		Temperature, water	19.4	Deg C	
HCCB-05	WW_106	2009-04-13		Temperature, water	7.5	Deg C	
HCCB-05	WW_106	2007-03-12		Temperature, water	4.3	Deg C	
HCCB-05	WW_106	2008-01-14		Temperature, water	3	Deg C	
HCCB-05	WW_106	2006-10-09		Temperature, water	20.1	Deg C	
HCCC-02	HCCC-02	2011-03-03	10:15	Temperature, water	1.48	deg C	
HCCC-02	HCCC-02	2001-02-14	11:15	Temperature, water	1.58	deg c	
HCCC-02	HCCC-02	2011-04-20	10:15	Temperature, water	4.98	deg C	
HCCC-02	HCCC-02	2001-05-02	11:15	Temperature, water	18.73	deg c	
HCCC-02	HCCC-02	2011-06-02	11:20	Temperature, water	18.89	deg C	
HCCC-02	HCCC-02	2002-01-30	12:15	Temperature, water	0.94	deg c	
HCCC-02	HCCC-02	2002-07-30	11:30	Temperature, water	22.78	deg c	
HCCC-02	HCCC-02	2002-07-01	12:00	Temperature, water	24.2	deg c	
HCCC-02	HCCC-02	2002-10-29	10:30	Temperature, water	7.2	deg c	
HCCC-02	HCCC-02	2002-05-20	12:15	Temperature, water	10.91	deg c	
HCCC-02	HCCC-02	2002-12-27	10:00	Temperature, water	1.17	deg c	
HCCC-02	HCCC-02	2002-09-17	10:15	Temperature, water	16.28	deg c	
HCCC-02	HCCC-02	2001-03-19	10:45	Temperature, water	2.63	deg c	
HCCC-02	HCCC-02	2011-12-06	9:00	Temperature, water	4.47	deg C	
HCCC-02	HCCC-02	2011-09-12	8:50	Temperature, water	19.05	deg C	
HCCC-02	HCCC-02	2011-07-21	8:30	Temperature, water	25.98	deg C	
HCCC-02	HCCC-02	2011-06-28	12:30	Temperature, water	20.88	deg C	
HCCC-02	HCCC-02	2011-10-20	11:10	Temperature, water	9.78	deg C	
HCCC-02	HCCC-02	2001-06-05	11:00	Temperature, water	12.27	deg c	
HCCC-02	HCCC-02	2001-11-08	10:45	Temperature, water	10.1	deg c	
HCCC-02	HCCC-02	2002-03-22	12:00	Temperature, water	1.49	deg c	
HCCC-02	HCCC-02	2001-12-19	11:30	Temperature, water	4.7	deg c	
HCCC-02	HCCC-02	2003-11-06	10:45	Temperature, water	8.82	deg C	
HCCC-02	HCCC-02	2003-06-04	11:30	Temperature, water	14.02	deg C	
HCCC-02	HCCC-02	2003-04-30	11:45	Temperature, water	11.09	deg C	
HCCC-02	HCCC-02	2003-09-23	11:30	Temperature, water	15	deg C	
HCCC-02	HCCC-02	2003-07-16	12:15	Temperature, water	22.63	deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2003-08-21	11:00	Temperature, water	23.39	deg C	
HCCC-02	HCCC-02	2005-06-06	11:30	Temperature, water	21.14	deg C	
HCCC-02	HCCC-02	2005-04-05	11:45	Temperature, water	12.81	deg C	
HCCC-02	HCCC-02	2005-05-03	11:30	Temperature, water	6.98	deg C	
HCCC-02	HCCC-02	2005-11-17	9:30	Temperature, water	0.15	deg C	
HCCC-02	HCCC-02	2005-01-11	10:30	Temperature, water	0	deg C	
HCCC-02	HCCC-02	2003-03-10	12:55	Temperature, water	-0.4	deg C	
HCCC-02	HCCC-02	2005-10-20	11:45	Temperature, water	11.1	deg C	
HCCC-02	HCCC-02	2005-08-08	11:45	Temperature, water	22	deg C	
HCCC-02	HCCC-02	2005-09-07	10:00	Temperature, water	21.02	deg C	
HCCC-02	HCCC-02	1999-04-01	9:15	Temperature, water	12.53	deg c	
HCCC-02	HCCC-02	2004-10-26	10:30	Temperature, water	12.7	deg C	
HCCC-02	HCCC-02	1999-03-05	9:45	Temperature, water	2.39	deg c	
HCCC-02	HCCC-02	2004-11-23	10:45	Temperature, water	7.66	deg C	
HCCC-02	HCCC-02	1999-06-22	10:30	Temperature, water	19.37	deg c	
HCCC-02	HCCC-02	1999-08-24	14:25	Temperature, water	20.36	deg c	
HCCC-02	HCCC-02	1999-05-18	10:20	Temperature, water	17.27	deg c	
HCCC-02	HCCC-02	2004-03-10	12:00	Temperature, water	3.31	deg C	
HCCC-02	HCCC-02	2004-04-12	12:00	Temperature, water	7.24	deg C	
HCCC-02	HCCC-02	2003-12-22	10:45	Temperature, water	0.78	deg C	
HCCC-02	HCCC-02	2004-08-04	11:15	Temperature, water	21.28	deg C	
HCCC-02	HCCC-02	2004-09-14	11:00	Temperature, water	20.3	deg C	
HCCC-02	HCCC-02	2004-05-13	11:30	Temperature, water	19.21	deg C	
HCCC-02	HCCC-02	2004-06-21	11:00	Temperature, water	16.97	deg C	
HCCC-02	HCCC-02	2006-09-18	10:15	Temperature, water	18.86	deg C	
HCCC-02	HCCC-02	2006-07-25	13:00	Temperature, water	23.6	deg C	
HCCC-02	HCCC-02	2006-09-06	10:55	Temperature, water	18.62	deg C	
HCCC-02	HCCC-02	2006-09-28	9:00	Temperature, water	12.95	deg C	
HCCC-02	HCCC-02	2006-01-24	8:30	Temperature, water	-0.05	deg C	
HCCC-02	HCCC-02	2006-03-07	9:20	Temperature, water	-0.03	deg C	
HCCC-02	HCCC-02	2006-07-21	9:50	Temperature, water	22.34	deg C	
HCCC-02	HCCC-02	2006-04-05	9:16	Temperature, water	7.8	deg C	
HCCC-02	HCCC-02	2006-05-25	9:55	Temperature, water	17.34	deg C	
HCCC-02	HCCC-02	2006-07-13	11:00	Temperature, water	21.17	deg C	
HCCC-02	HCCC-02	2007-07-24	9:20	Temperature, water	19.74	deg C	
HCCC-02	HCCC-02	2007-09-19	9:10	Temperature, water	19.22	deg C	
HCCC-02	HCCC-02	2006-11-06	9:40	Temperature, water	6.17	deg C	
HCCC-02	HCCC-02	2006-11-29	11:00	Temperature, water	13.13	deg C	
HCCC-02	HCCC-02	2007-01-11	11:55	Temperature, water	0.36	deg C	
HCCC-02	HCCC-02	2007-06-07	9:20	Temperature, water	18.2	deg C	
HCCC-02	HCCC-02	2007-04-18	8:50	Temperature, water	7.87	deg C	
HCCC-02	HCCC-02	2007-05-24	8:40	Temperature, water	18.55	deg C	
HCCC-02	HCCC-02	2007-02-28	9:00	Temperature, water	-0.24	deg C	
HCCC-02	HCCC-02	2005-03-03	10:00	Temperature, water	0.43	deg C	
HCCC-02	HCCC-02	2009-11-05	10:15	Temperature, water	7.73	deg C	
HCCC-02	HCCC-02	2009-12-08	11:00	Temperature, water	0.22	deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2009-06-29	9:00	Temperature, water	20.72	deg C	
HCCC-02	HCCC-02	2009-09-15	10:15	Temperature, water	18.24	deg C	
HCCC-02	HCCC-02	2009-08-06	9:50	Temperature, water	19.08	deg C	
HCCC-02	HCCC-02	2010-05-26	10:58	Temperature, water	21.04	deg C	
HCCC-02	HCCC-02	2010-08-05	10:00	Temperature, water	23.59	deg C	
HCCC-02	HCCC-02	2010-07-01	11:20	Temperature, water	18.36	deg C	
HCCC-02	HCCC-02	2010-01-25	11:35	Temperature, water	0.71	deg C	
HCCC-02	HCCC-02	2010-04-14	12:45	Temperature, water	13.34	deg C	
HCCC-02	HCCC-02	2010-03-12	11:00	Temperature, water	1.66	deg C	
HCCC-02	HCCC-02	2012-09-17	10:05	Temperature, water	16.04	deg C	
HCCC-02	HCCC-02	2012-10-29	11:55	Temperature, water	6.79	deg C	
HCCC-02	HCCC-02	2012-07-24	9:35	Temperature, water	24.03	deg C	
HCCC-02	HCCC-02	2013-07-01	9:15	Temperature, water	18.77	deg C	
HCCC-02	HCCC-02	2013-04-16	10:00	Temperature, water	9.19	deg C	
HCCC-02	HCCC-02	2013-05-20	12:00	Temperature, water	20.24	deg C	
HCCC-02	HCCC-02	2012-12-17	9:45	Temperature, water	4.43	deg C	
HCCC-02	HCCC-02	2012-06-25	9:30	Temperature, water	20.12	deg C	
HCCC-02	HCCC-02	2013-03-14	9:30	Temperature, water	0.36	deg C	
HCCC-02	HCCC-02	2013-01-30	9:00	Temperature, water	2.36	deg C	
HCCC-02	HCCC-02	2012-04-16	10:00	Temperature, water	15.7	deg C	
HCCC-02	HCCC-02	2012-05-29	9:00	Temperature, water	20.63	deg C	
HCCC-02	HCCC-02	2012-03-13	9:00	Temperature, water	8.91	deg C	
HCCC-02	HCCC-02	2012-01-26	9:00	Temperature, water	0.82	deg C	
HCCC-02	HCCC-02	2009-04-27	11:00	Temperature, water	13.63	deg C	
HCCC-02	HCCC-02	2009-03-23	9:50	Temperature, water	6.74	deg C	
HCCC-02	HCCC-02	2009-05-28	10:30	Temperature, water	14.75	deg C	
HCCC-02	HCCC-02	2013-09-26	8:40	Temperature, water	14.12	deg C	
HCCC-02	HCCC-02	2013-10-29	12:50	Temperature, water	7.77	deg C	
HCCC-02	HCCC-02	2013-08-05	9:55	Temperature, water	18.82	deg C	
HCCC-02	HCCC-02	2009-03-05	9:55	Temperature, water	3	deg C	
HCCC-02	HCCC-02	2000-04-13	11:50	Temperature, water	7.99	deg c	
HCCC-02	HCCC-02	2000-01-24	10:13	Temperature, water	0.06	deg c	
HCCC-02	HCCC-02	1999-12-16	11:30	Temperature, water	2.39	deg c	
HCCC-02	HCCC-02	2001-09-18	12:50	Temperature, water	16.16	deg c	
HCCC-02	HCCC-02	2000-07-11	10:30	Temperature, water	21.73	deg c	
HCCC-02	HCCC-02	2000-09-28	11:45	Temperature, water	13.33	deg c	
HCCC-02	HCCC-02	2000-03-01	11:30	Temperature, water	8.14	deg c	
HCCC-02	HCCC-02	2000-05-18	12:00	Temperature, water	12.12	deg c	
HCCC-02	HCCC-02	2000-08-10	11:30	Temperature, water	21.82	deg c	
HCCC-02	HCCC-02	2008-08-20	10:30	Temperature, water	20.71	deg C	
HCCC-02	HCCC-02	2008-09-24	10:15	Temperature, water	18.79	deg C	
HCCC-02	HCCC-02	2008-12-08	9:55	Temperature, water	0.01	deg C	
HCCC-02	HCCC-02	2010-09-16	10:15	Temperature, water	18.5	deg C	
HCCC-02	HCCC-02	2008-06-17	9:05	Temperature, water	19.76	deg C	
HCCC-02	HCCC-02	2010-11-09	10:35	Temperature, water	7.4	deg C	
HCCC-02	HCCC-02	2008-05-20	9:20	Temperature, water	11.39	deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2001-08-01	10:00	Temperature, water	24.75	deg c	
HCCC-02	HCCC-02	1999-09-30	11:00	Temperature, water	14.75	deg c	
HCCC-02	HCCC-02	1999-11-03	11:15	Temperature, water	7.42	deg c	
HCCC-02	HCCC-06	2006-09-18	10:35	Temperature, water	18.94	deg C	
HCCC-02	HCCC-06	2006-07-26	13:50	Temperature, water	24.74	deg C	
HCCC-02	HCCC-06	2011-09-19	11:45	Temperature, water	16.62	deg C	
HCCC-02	HCCC-06	2011-06-20	12:15	Temperature, water	19.41	deg C	
HCCC-02	HCCC-06	2011-08-17	9:10	Temperature, water	20.8	deg C	
HCCC-02	WW_31	2010-10-11		Temperature, water	16.6	Deg C	
HCCC-02	WW_31	2011-05-09		Temperature, water	13.9	Deg C	
HCCC-02	WW_31	2011-08-08		Temperature, water	24	Deg C	
HCCC-02	WW_31	2011-10-10		Temperature, water	16.7	Deg C	
HCCC-02	WW_31	2011-03-14		Temperature, water	2.9	Deg C	
HCCC-02	WW_31	2011-07-11		Temperature, water	23.4	Deg C	
HCCC-02	WW_31	2011-04-11		Temperature, water	14.8	Deg C	
HCCC-02	WW_31	2011-11-14		Temperature, water	8.9	Deg C	
HCCC-02	WW_31	2010-11-08		Temperature, water	6.8	Deg C	
HCCC-02	WW_31	2011-06-13		Temperature, water	17.4	Deg C	
HCCC-02	WW_31	2012-03-12		Temperature, water	9.7	Deg C	
HCCC-02	WW_31	2012-07-16		Temperature, water	27.6	Deg C	
HCCC-02	WW_31	2012-04-09		Temperature, water	14.4	Deg C	
HCCC-02	WW_31	2011-12-12		Temperature, water	6.1	Deg C	
HCCC-02	WW_31	2012-05-14		Temperature, water	15.7	Deg C	
HCCC-02	WW_31	2005-05-09		Temperature, water	16.2	Deg C	
HCCC-02	WW_31	2005-09-12		Temperature, water	22.7	Deg C	
HCCC-02	WW_31	2005-08-08		Temperature, water	25.1	Deg C	
HCCC-02	WW_31	2005-07-11		Temperature, water	21.7	Deg C	
HCCC-02	WW_31	2005-06-13		Temperature, water	25	Deg C	
HCCC-02	WW_31	2004-11-08		Temperature, water	6.1	Deg C	
HCCC-02	WW_31	2004-07-12		Temperature, water	30	Deg C	
HCCC-02	WW_31	2004-09-13		Temperature, water	19.9	Deg C	
HCCC-02	WW_31	2004-10-11		Temperature, water	18.1	Deg C	
HCCC-02	WW_31	2005-10-10		Temperature, water	18.4	Deg C	
HCCC-02	WW_31	2005-02-14		Temperature, water	6.6	Deg C	
HCCC-02	WW_31	2005-03-14		Temperature, water	3.3	Deg C	
HCCC-02	WW_31	2004-12-13		Temperature, water	2	Deg C	
HCCC-02	WW_31	2005-04-11		Temperature, water	14.5	Deg C	
HCCC-02	WW_31	2004-06-14		Temperature, water	27.5	Deg C	
HCCC-02	WW_31	2004-08-09		Temperature, water	20.5	Deg C	
HCCC-02	WW_31	2008-01-14		Temperature, water	1	Deg C	
HCCC-02	WW_31	2007-05-14		Temperature, water	16.2	Deg C	
HCCC-02	WW_31	2006-03-13		Temperature, water	9.26	Deg C	
HCCC-02	WW_31	2009-10-12		Temperature, water	8.3	Deg C	
HCCC-02	WW_31	2009-11-09		Temperature, water	13.2	Deg C	
HCCC-02	WW_31	2010-05-10		Temperature, water	11.4	Deg C	
HCCC-02	WW_31	2005-11-14		Temperature, water	7.3	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2007-03-12		Temperature, water	5.9	Deg C	
HCCC-02	WW_31	2007-09-10		Temperature, water	20.5	Deg C	
HCCC-02	WW_31	2006-01-09		Temperature, water	7.1	Deg C	
HCCC-02	WW_31	2010-04-12		Temperature, water	11.3	Deg C	
HCCC-02	WW_31	2010-07-12		Temperature, water	22.8	Deg C	
HCCC-02	WW_31	2007-07-09		Temperature, water	24.9	Deg C	
HCCC-02	WW_31	2010-06-14		Temperature, water	19.4	Deg C	
HCCC-02	WW_31	2007-08-13		Temperature, water	23.7	Deg C	
HCCC-02	WW_31	2007-11-13		Temperature, water	7.9	Deg C	
HCCC-02	WW_31	2010-09-13		Temperature, water	19	Deg C	
HCCC-02	WW_31	2009-12-14		Temperature, water	3.3	Deg C	
HCCC-02	WW_31	2007-01-08		Temperature, water	4.5	Deg C	
HCCC-02	WW_31	2007-04-09		Temperature, water	9.5	Deg C	
HCCC-02	WW_31	2010-08-09		Temperature, water	23.4	Deg C	
HCCC-02	WW_31	2007-10-08		Temperature, water	21.7	Deg C	
HCCC-02	WW_31	2010-03-08		Temperature, water	2.1	Deg C	
HCCC-02	WW_31	2007-06-11		Temperature, water	21.8	Deg C	
HCCC-02	WW_31	2006-09-11		Temperature, water	17.4	Deg C	
HCCC-02	WW_31	2008-04-14		Temperature, water	7.9	Deg C	
HCCC-02	WW_31	2006-06-12		Temperature, water	15.4	Deg C	
HCCC-02	WW_31	2008-09-08		Temperature, water	19.8	Deg C	
HCCC-02	WW_31	2008-07-14		Temperature, water	21.9	Deg C	
HCCC-02	WW_31	2006-04-10		Temperature, water	7	Deg C	
HCCC-02	WW_31	2009-06-08		Temperature, water	15.1	Deg C	
HCCC-02	WW_31	2008-05-12		Temperature, water	12.2	Deg C	
HCCC-02	WW_31	2009-03-09		Temperature, water	3.8	Deg C	
HCCC-02	WW_31	2006-05-08		Temperature, water	14.5	Deg C	
HCCC-02	WW_31	2006-07-10		Temperature, water	21.3	Deg C	
HCCC-02	WW_31	2009-07-13		Temperature, water	19.5	Deg C	
HCCC-02	WW_31	2008-08-11		Temperature, water	19.4	Deg C	
HCCC-02	WW_31	2006-11-13		Temperature, water	7.8	Deg C	
HCCC-02	WW_31	2009-09-14		Temperature, water	17.9	Deg C	
HCCC-02	WW_31	2006-08-14		Temperature, water	22.2	Deg C	
HCCC-02	WW_31	2006-10-09		Temperature, water	14.1	Deg C	
HCCC-02	WW_31	2008-11-10		Temperature, water	6.5	Deg C	
HCCC-02	WW_31	2009-04-13		Temperature, water	6.9	Deg C	
HCCC-02	WW_31	2008-06-09		Temperature, water	20.5	Deg C	
HCCC-02	WW_31	2008-10-13		Temperature, water	16.9	Deg C	
HCCC-02	WW_31	2006-12-11		Temperature, water	2.6	Deg C	
HCCC-02	WW_31	2008-03-10		Temperature, water	1	Deg C	
HCCC-02	WW_31	2009-05-11		Temperature, water	11.5	Deg C	
HCCC-02	WW_31	2009-08-10		Temperature, water	24.2	Deg C	
HCCC-02	WW_31	2003-04-14		Temperature, water	12.8	Deg C	
HCCC-02	WW_31	2002-04-08		Temperature, water	8.1	Deg C	
HCCC-02	WW_31	2001-11-13		Temperature, water	9.5	Deg C	
HCCC-02	WW_31	2001-02-13		Temperature, water	4.8	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2002-05-13		Temperature, water	11.8	Deg C	
HCCC-02	WW_31	2003-05-12		Temperature, water	14.3	Deg C	
HCCC-02	WW_31	2001-08-13		Temperature, water	25.1	Deg C	
HCCC-02	WW_31	2002-06-10		Temperature, water	23.8	Deg C	
HCCC-02	WW_31	2001-12-10		Temperature, water	4.5	Deg C	
HCCC-02	WW_31	2001-03-12		Temperature, water	4.2	Deg C	
HCCC-02	WW_31	2001-07-09		Temperature, water	23.6	Deg C	
HCCC-02	WW_31	2001-09-10		Temperature, water	19.9	Deg C	
HCCC-02	WW_31	2002-11-12		Temperature, water	8	Deg C	
HCCC-02	WW_31	2002-03-11		Temperature, water	4.9	Deg C	
HCCC-02	WW_31	2001-05-14		Temperature, water	15.7	Deg C	
HCCC-02	WW_31	2001-04-09		Temperature, water	12.6	Deg C	
HCCC-02	WW_31	2002-07-08		Temperature, water	24	Deg C	
HCCC-02	WW_31	2001-06-11		Temperature, water	25.6	Deg C	
HCCC-02	WW_31	2002-02-11		Temperature, water	1.6	Deg C	
HCCC-02	WW_31	2001-10-08		Temperature, water	11.1	Deg C	
HCCC-02	WW_31	2003-12-08		Temperature, water	6.5	Deg C	
HCCC-02	WW_31	2004-04-12		Temperature, water	6.5	Deg C	
HCCC-02	WW_31	2003-07-14		Temperature, water	24.2	Deg C	
HCCC-02	WW_31	2003-11-10		Temperature, water	3.8	Deg C	
HCCC-02	WW_31	2003-08-11		Temperature, water	20.8	Deg C	
HCCC-02	WW_31	2004-03-08		Temperature, water	4	Deg C	
HCCC-02	WW_31	2003-09-08		Temperature, water	26.9	Deg C	
HCCC-02	WW_31	2003-06-09		Temperature, water	24.4	Deg C	
HCCC-02	WW_31	2004-05-10		Temperature, water	18.3	Deg C	
HCCC-04	HCCC-04	2006-09-18	13:35	Temperature, water	19.9	deg C	
HCCC-04	HCCC-04	2006-06-13	9:45	Temperature, water	16.91	deg C	
HCCC-04	HCCC-04	2006-07-24	11:30	Temperature, water	22.64	deg C	
HCCC-04	HCCC-04	2001-09-27	12:35	Temperature, water	15.08	deg c	
HCCC-04	HCCC-04	2001-07-02	12:15	Temperature, water	18.92	deg c	
HCCC-04	HCCC-04	2001-08-01	14:15	Temperature, water	25.82	deg c	
HCCC-04	HCCC-08	2011-09-20	9:25	Temperature, water	16.88	deg C	
HCCC-04	HCCC-08	2011-08-18	10:45	Temperature, water	23.8	deg C	
HCCC-04	HCCC-08	2011-06-21	9:20	Temperature, water	19.97	deg C	
HCCC-04	WW_103	2011-12-12		Temperature, water	3.1	Deg C	
HCCC-04	WW_103	2011-11-14		Temperature, water	12.7	Deg C	
HCCC-04	WW_103	2011-05-09		Temperature, water	15.5	Deg C	
HCCC-04	WW_103	2012-01-17		Temperature, water	4.3	Deg C	
HCCC-04	WW_103	2011-06-13		Temperature, water	18.4	Deg C	
HCCC-04	WW_103	2011-09-12		Temperature, water	21.3	Deg C	
HCCC-04	WW_103	2012-04-09		Temperature, water	13.8	Deg C	
HCCC-04	WW_103	2011-08-08		Temperature, water	25.3	Deg C	
HCCC-04	WW_103	2012-05-14		Temperature, water	15.6	Deg C	
HCCC-04	WW_103	2012-07-16		Temperature, water	33.4	Deg C	
HCCC-04	WW_103	2012-02-14		Temperature, water	1.7	Deg C	
HCCC-04	WW_103	2012-06-11		Temperature, water	23.1	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2012-03-12		Temperature, water	10.3	Deg C	
HCCC-04	WW_103	2011-10-10		Temperature, water	17.1	Deg C	
HCCC-04	WW_103	2011-07-11		Temperature, water	24.8	Deg C	
HCCC-04	WW_103	2011-02-14		Temperature, water	2.3	Deg C	
HCCC-04	WW_103	2011-04-11		Temperature, water	18.8	Deg C	
HCCC-04	WW_103	2011-03-14		Temperature, water	3.8	Deg C	
HCCC-04	WW_103	2010-10-11		Temperature, water	18.5	Deg C	
HCCC-04	WW_103	2010-11-08		Temperature, water	13.7	Deg C	
HCCC-04	WW_103	2002-05-13		Temperature, water	10.7	Deg C	
HCCC-04	WW_103	2005-01-10		Temperature, water	3	Deg C	
HCCC-04	WW_103	2002-04-08		Temperature, water	8.8	Deg C	
HCCC-04	WW_103	2001-08-13		Temperature, water	25	Deg C	
HCCC-04	WW_103	2004-08-09		Temperature, water	25.4	Deg C	
HCCC-04	WW_103	2005-07-11		Temperature, water	23.7	Deg C	
HCCC-04	WW_103	2004-09-13		Temperature, water	26.3	Deg C	
HCCC-04	WW_103	2003-11-10		Temperature, water	4.7	Deg C	
HCCC-04	WW_103	2002-07-08		Temperature, water	24.5	Deg C	
HCCC-04	WW_103	2005-09-12		Temperature, water	23.7	Deg C	
HCCC-04	WW_103	2003-12-08		Temperature, water	8.1	Deg C	
HCCC-04	WW_103	2002-06-10		Temperature, water	22.4	Deg C	
HCCC-04	WW_103	2005-03-14		Temperature, water	6.7	Deg C	
HCCC-04	WW_103	2001-07-09		Temperature, water	25.1	Deg C	
HCCC-04	WW_103	2001-10-08		Temperature, water	12.3	Deg C	
HCCC-04	WW_103	2002-01-14		Temperature, water	2.8	Deg C	
HCCC-04	WW_103	2004-06-14		Temperature, water	22.2	Deg C	
HCCC-04	WW_103	2004-04-12		Temperature, water	7.1	Deg C	
HCCC-04	WW_103	2004-05-10		Temperature, water	27.7	Deg C	
HCCC-04	WW_103	2001-12-10		Temperature, water	7.1	Deg C	
HCCC-04	WW_103	2005-02-14		Temperature, water	4.2	Deg C	
HCCC-04	WW_103	2001-11-13		Temperature, water	11.3	Deg C	
HCCC-04	WW_103	2001-09-10		Temperature, water	19.4	Deg C	
HCCC-04	WW_103	2002-03-11		Temperature, water	4.7	Deg C	
HCCC-04	WW_103	2004-07-12		Temperature, water	23.5	Deg C	
HCCC-04	WW_103	2002-02-11		Temperature, water	4.2	Deg C	
HCCC-04	WW_103	2004-03-08		Temperature, water	8	Deg C	
HCCC-04	WW_103	2003-07-14		Temperature, water	22.8	Deg C	
HCCC-04	WW_103	2001-04-09		Temperature, water	10	Deg C	
HCCC-04	WW_103	2005-04-11		Temperature, water	15.7	Deg C	
HCCC-04	WW_103	2004-11-08		Temperature, water	8.1	Deg C	
HCCC-04	WW_103	2002-11-12		Temperature, water	10	Deg C	
HCCC-04	WW_103	2001-05-14		Temperature, water	18.8	Deg C	
HCCC-04	WW_103	2003-08-11		Temperature, water	22.2	Deg C	
HCCC-04	WW_103	2001-03-12		Temperature, water	4.9	Deg C	
HCCC-04	WW_103	2003-05-12		Temperature, water	13.1	Deg C	
HCCC-04	WW_103	2004-12-13		Temperature, water	2.8	Deg C	
HCCC-04	WW_103	2005-05-09		Temperature, water	22.6	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2003-06-09		Temperature, water	18.4	Deg C	
HCCC-04	WW_103	2003-04-14		Temperature, water	11.7	Deg C	
HCCC-04	WW_103	2003-09-08		Temperature, water	20.7	Deg C	
HCCC-04	WW_103	2005-06-13		Temperature, water	26.2	Deg C	
HCCC-04	WW_103	2004-10-11		Temperature, water	15.5	Deg C	
HCCC-04	WW_103	2001-06-11		Temperature, water	24.2	Deg C	
HCCC-04	WW_103	2002-08-12		Temperature, water	24.8	Deg C	
HCCC-04	WW_103	2009-04-13		Temperature, water	9.2	Deg C	
HCCC-04	WW_103	2006-10-09		Temperature, water	14.6	Deg C	
HCCC-04	WW_103	2008-03-10		Temperature, water	3.4	Deg C	
HCCC-04	WW_103	2008-10-13		Temperature, water	17.4	Deg C	
HCCC-04	WW_103	2009-05-11		Temperature, water	13.5	Deg C	
HCCC-04	WW_103	2008-11-10		Temperature, water	4.1	Deg C	
HCCC-04	WW_103	2009-08-10		Temperature, water	27.4	Deg C	
HCCC-04	WW_103	2006-08-14		Temperature, water	22.2	Deg C	
HCCC-04	WW_103	2009-02-09		Temperature, water	3	Deg C	
HCCC-04	WW_103	2008-06-09		Temperature, water	21.6	Deg C	
HCCC-04	WW_103	2008-08-11		Temperature, water	21	Deg C	
HCCC-04	WW_103	2006-11-13		Temperature, water	7.6	Deg C	
HCCC-04	WW_103	2009-06-08		Temperature, water	16.4	Deg C	
HCCC-04	WW_103	2009-03-09		Temperature, water	5.2	Deg C	
HCCC-04	WW_103	2008-05-12		Temperature, water	12.6	Deg C	
HCCC-04	WW_103	2006-09-11		Temperature, water	18.1	Deg C	
HCCC-04	WW_103	2006-06-12		Temperature, water	18	Deg C	
HCCC-04	WW_103	2006-04-10		Temperature, water	10.1	Deg C	
HCCC-04	WW_103	2008-09-08		Temperature, water	19.4	Deg C	
HCCC-04	WW_103	2006-07-10		Temperature, water	21.2	Deg C	
HCCC-04	WW_103	2006-05-08		Temperature, water	14.9	Deg C	
HCCC-04	WW_103	2008-04-14		Temperature, water	13.6	Deg C	
HCCC-04	WW_103	2008-07-14		Temperature, water	22.6	Deg C	
HCCC-04	WW_103	2009-07-13		Temperature, water	21.8	Deg C	
HCCC-04	WW_103	2010-05-10		Temperature, water	13.2	Deg C	
HCCC-04	WW_103	2009-11-09		Temperature, water	14.1	Deg C	
HCCC-04	WW_103	2007-07-09		Temperature, water	26	Deg C	
HCCC-04	WW_103	2007-12-10		Temperature, water	8	Deg C	
HCCC-04	WW_103	2010-02-08		Temperature, water	0.8	Deg C	
HCCC-04	WW_103	2007-04-09		Temperature, water	5.7	Deg C	
HCCC-04	WW_103	2010-08-09		Temperature, water	24.5	Deg C	
HCCC-04	WW_103	2005-11-14		Temperature, water	11.4	Deg C	
HCCC-04	WW_103	2006-02-14		Temperature, water	4.8	Deg C	
HCCC-04	WW_103	2007-01-08		Temperature, water	5.8	Deg C	
HCCC-04	WW_103	2007-08-13		Temperature, water	26.8	Deg C	
HCCC-04	WW_103	2007-11-13		Temperature, water	9.2	Deg C	
HCCC-04	WW_103	2010-06-14		Temperature, water	21	Deg C	
HCCC-04	WW_103	2010-07-12		Temperature, water	25.3	Deg C	
HCCC-04	WW_103	2007-03-12		Temperature, water	4.6	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2009-12-14		Temperature, water	5	Deg C	
HCCC-04	WW_103	2010-09-13		Temperature, water	20.5	Deg C	
HCCC-04	WW_103	2006-12-11		Temperature, water	5.5	Deg C	
HCCC-04	WW_103	2009-09-14		Temperature, water	20.7	Deg C	
HCCC-04	WW_103	2010-04-12		Temperature, water	13.6	Deg C	
HCCC-04	WW_103	2005-10-10		Temperature, water	14.9	Deg C	
HCCC-04	WW_103	2006-01-09		Temperature, water	4.1	Deg C	
HCCC-04	WW_103	2007-05-14		Temperature, water	17.4	Deg C	
HCCC-04	WW_103	2008-01-14		Temperature, water	2.2	Deg C	
HCCC-04	WW_103	2006-03-13		Temperature, water	20.1	Deg C	
HCCC-04	WW_103	2007-06-11		Temperature, water	21.6	Deg C	
HCCC-04	WW_103	2009-10-12		Temperature, water	10.9	Deg C	
HCCC-04	WW_103	2007-09-10		Temperature, water	21.7	Deg C	
HCCC-04	WW_103	2010-03-08		Temperature, water	6.2	Deg C	
HCCC-04	WW_103	2007-10-08		Temperature, water	22.2	Deg C	
HCCC-04	WW_104	2011-10-10		Temperature, water	17.8	Deg C	
HCCC-04	WW_104	2012-06-11		Temperature, water	28.8	Deg C	
HCCC-04	WW_104	2011-07-11		Temperature, water	21.9	Deg C	
HCCC-04	WW_104	2011-03-14		Temperature, water	2.5	Deg C	
HCCC-04	WW_104	2012-02-14		Temperature, water	1.5	Deg C	
HCCC-04	WW_104	2010-11-08		Temperature, water	12.3	Deg C	
HCCC-04	WW_104	2012-03-12		Temperature, water	10.7	Deg C	
HCCC-04	WW_104	2012-07-16		Temperature, water	27.2	Deg C	
HCCC-04	WW_104	2011-09-12		Temperature, water	21.6	Deg C	
HCCC-04	WW_104	2011-02-14		Temperature, water	6.3	Deg C	
HCCC-04	WW_104	2011-01-10		Temperature, water	3.7	Deg C	
HCCC-04	WW_104	2012-04-09		Temperature, water	13.1	Deg C	
HCCC-04	WW_104	2012-05-14		Temperature, water	16.5	Deg C	
HCCC-04	WW_104	2011-08-08		Temperature, water	25.6	Deg C	
HCCC-04	WW_104	2010-12-13		Temperature, water	4	Deg C	
HCCC-04	WW_104	2011-05-09		Temperature, water	14.4	Deg C	
HCCC-04	WW_104	2011-04-11		Temperature, water	13.5	Deg C	
HCCC-04	WW_104	2011-11-14		Temperature, water	9.6	Deg C	
HCCC-04	WW_104	2012-01-17		Temperature, water	1.6	Deg C	
HCCC-04	WW_104	2010-10-11		Temperature, water	18	Deg C	
HCCC-04	WW_104	2011-12-12		Temperature, water	5.1	Deg C	
HCCC-04	WW_104	2011-06-13		Temperature, water	18.5	Deg C	
HCCC-04	WW_104	2004-04-12		Temperature, water	9.6	Deg C	
HCCC-04	WW_104	2003-04-14		Temperature, water	13.8	Deg C	
HCCC-04	WW_104	2005-05-09		Temperature, water	18.9	Deg C	
HCCC-04	WW_104	2001-12-10		Temperature, water	7.4	Deg C	
HCCC-04	WW_104	2004-05-10		Temperature, water	19.1	Deg C	
HCCC-04	WW_104	2002-08-12		Temperature, water	24	Deg C	
HCCC-04	WW_104	2003-05-12		Temperature, water	14	Deg C	
HCCC-04	WW_104	2005-08-08		Temperature, water	25.4	Deg C	
HCCC-04	WW_104	2002-01-14		Temperature, water	7.5	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-02-14		Temperature, water	3.6	Deg C	
HCCC-04	WW_104	2003-08-11		Temperature, water	21.6	Deg C	
HCCC-04	WW_104	2002-05-13		Temperature, water	13	Deg C	
HCCC-04	WW_104	2004-02-09		Temperature, water	1.1	Deg C	
HCCC-04	WW_104	2002-11-12		Temperature, water	10	Deg C	
HCCC-04	WW_104	2004-01-12		Temperature, water	5.5	Deg C	
HCCC-04	WW_104	2002-04-08		Temperature, water	8.2	Deg C	
HCCC-04	WW_104	2005-04-11		Temperature, water	16	Deg C	
HCCC-04	WW_104	2005-03-14		Temperature, water	6.3	Deg C	
HCCC-04	WW_104	2005-07-11		Temperature, water	22.6	Deg C	
HCCC-04	WW_104	2002-03-11		Temperature, water	5.7	Deg C	
HCCC-04	WW_104	2005-06-13		Temperature, water	34.4	Deg C	
HCCC-04	WW_104	2004-03-08		Temperature, water	5.3	Deg C	
HCCC-04	WW_104	2002-02-11		Temperature, water	4.6	Deg C	
HCCC-04	WW_104	2004-09-13		Temperature, water	20.8	Deg C	
HCCC-04	WW_104	2004-06-14		Temperature, water	23.2	Deg C	
HCCC-04	WW_104	2001-05-14		Temperature, water	16.2	Deg C	
HCCC-04	WW_104	2001-04-09		Temperature, water	12.5	Deg C	
HCCC-04	WW_104	2001-06-11		Temperature, water	23.7	Deg C	
HCCC-04	WW_104	2004-11-08		Temperature, water	9.5	Deg C	
HCCC-04	WW_104	2001-10-08		Temperature, water	12.2	Deg C	
HCCC-04	WW_104	2001-03-12		Temperature, water	5.3	Deg C	
HCCC-04	WW_104	2005-09-12		Temperature, water	23.7	Deg C	
HCCC-04	WW_104	2004-10-11		Temperature, water	18.4	Deg C	
HCCC-04	WW_104	2004-12-13		Temperature, water	4.1	Deg C	
HCCC-04	WW_104	2004-08-09		Temperature, water	22.2	Deg C	
HCCC-04	WW_104	2001-08-13		Temperature, water	26.5	Deg C	
HCCC-04	WW_104	2005-01-10		Temperature, water	5.2	Deg C	
HCCC-04	WW_104	2001-11-13		Temperature, water	9.5	Deg C	
HCCC-04	WW_104	2001-07-09		Temperature, water	25.4	Deg C	
HCCC-04	WW_104	2004-07-12		Temperature, water	28	Deg C	
HCCC-04	WW_104	2001-09-10		Temperature, water	20.4	Deg C	
HCCC-04	WW_104	2005-12-12		Temperature, water	1	Deg C	
HCCC-04	WW_104	2006-06-12		Temperature, water	16.5	Deg C	
HCCC-04	WW_104	2007-03-12		Temperature, water	4	Deg C	
HCCC-04	WW_104	2007-09-10		Temperature, water	21.2	Deg C	
HCCC-04	WW_104	2010-04-12		Temperature, water	13.2	Deg C	
HCCC-04	WW_104	2006-01-09		Temperature, water	4	Deg C	
HCCC-04	WW_104	2010-05-10		Temperature, water	13.1	Deg C	
HCCC-04	WW_104	2008-07-14		Temperature, water	22.2	Deg C	
HCCC-04	WW_104	2009-03-09		Temperature, water	4.4	Deg C	
HCCC-04	WW_104	2010-08-09		Temperature, water	24.3	Deg C	
HCCC-04	WW_104	2007-06-11		Temperature, water	18.9	Deg C	
HCCC-04	WW_104	2007-04-09		Temperature, water	6.8	Deg C	
HCCC-04	WW_104	2008-10-13		Temperature, water	18.7	Deg C	
HCCC-04	WW_104	2007-05-14		Temperature, water	18	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2005-10-10		Temperature, water	14.9	Deg C	
HCCC-04	WW_104	2006-08-14		Temperature, water	22.4	Deg C	
HCCC-04	WW_104	2010-09-13		Temperature, water	20.8	Deg C	
HCCC-04	WW_104	2008-11-10		Temperature, water	7.5	Deg C	
HCCC-04	WW_104	2006-07-10		Temperature, water	22.2	Deg C	
HCCC-04	WW_104	2009-02-09		Temperature, water	3.4	Deg C	
HCCC-04	WW_104	2007-08-13		Temperature, water	24.8	Deg C	
HCCC-04	WW_104	2008-08-11		Temperature, water	20.9	Deg C	
HCCC-04	WW_104	2005-11-14		Temperature, water	9.3	Deg C	
HCCC-04	WW_104	2006-09-11		Temperature, water	17.7	Deg C	
HCCC-04	WW_104	2008-12-08		Temperature, water	1.8	Deg C	
HCCC-04	WW_104	2009-01-12		Temperature, water	2.4	Deg C	
HCCC-04	WW_104	2008-09-08		Temperature, water	20.1	Deg C	
HCCC-04	WW_104	2007-07-09		Temperature, water	24.7	Deg C	
HCCC-04	WW_104	2009-11-09		Temperature, water	15.1	Deg C	
HCCC-04	WW_104	2006-11-13		Temperature, water	7.9	Deg C	
HCCC-04	WW_104	2009-07-13		Temperature, water	22.2	Deg C	
HCCC-04	WW_104	2009-12-14		Temperature, water	6.9	Deg C	
HCCC-04	WW_104	2006-05-08		Temperature, water	12.9	Deg C	
HCCC-04	WW_104	2006-02-14		Temperature, water	10.5	Deg C	
HCCC-04	WW_104	2007-12-10		Temperature, water	5.1	Deg C	
HCCC-04	WW_104	2008-05-12		Temperature, water	12.6	Deg C	
HCCC-04	WW_104	2009-06-08		Temperature, water	16.4	Deg C	
HCCC-04	WW_104	2008-02-11		Temperature, water	1.1	Deg C	
HCCC-04	WW_104	2009-09-14		Temperature, water	20.5	Deg C	
HCCC-04	WW_104	2009-08-10		Temperature, water	26.3	Deg C	
HCCC-04	WW_104	2008-03-10		Temperature, water	2.1	Deg C	
HCCC-04	WW_104	2009-10-12		Temperature, water	11.1	Deg C	
HCCC-04	WW_104	2008-01-14		Temperature, water	2	Deg C	
HCCC-04	WW_104	2008-04-14		Temperature, water	8.1	Deg C	
HCCC-04	WW_104	2006-12-11		Temperature, water	6.4	Deg C	
HCCC-04	WW_104	2006-03-13		Temperature, water	8.9	Deg C	
HCCC-04	WW_104	2006-04-10		Temperature, water	9	Deg C	
HCCC-04	WW_104	2006-10-09		Temperature, water	15.9	Deg C	
HCCC-04	WW_104	2009-04-13		Temperature, water	7.8	Deg C	
HCCC-04	WW_104	2008-06-09		Temperature, water	20.4	Deg C	
HCCC-04	WW_104	2010-02-08		Temperature, water	3.3	Deg C	
HCCC-04	WW_104	2009-05-11		Temperature, water	13	Deg C	
HCCC-04	WW_104	2010-03-08		Temperature, water	5.4	Deg C	
HCCC-04	WW_104	2007-10-08		Temperature, water	22.7	Deg C	
HCCC-04	WW_104	2007-01-08		Temperature, water	5.2	Deg C	
HCCC-04	WW_104	2007-11-13		Temperature, water	11.4	Deg C	
HCCD-01	WW_32	2012-07-16		Temperature, water	25.2	Deg C	
HCCD-01	WW_32	2011-03-14		Temperature, water	2.7	Deg C	
HCCD-01	WW_32	2011-06-13		Temperature, water	16.5	Deg C	
HCCD-01	WW_32	2010-11-08		Temperature, water	7.2	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2012-03-12		Temperature, water	10.4	Deg C	
HCCD-01	WW_32	2011-10-10		Temperature, water	19.7	Deg C	
HCCD-01	WW_32	2012-06-11		Temperature, water	21.2	Deg C	
HCCD-01	WW_32	2011-08-08		Temperature, water	25.6	Deg C	
HCCD-01	WW_32	2012-05-14		Temperature, water	15	Deg C	
HCCD-01	WW_32	2011-09-12		Temperature, water	26.2	Deg C	
HCCD-01	WW_32	2011-07-11		Temperature, water	22.1	Deg C	
HCCD-01	WW_32	2012-04-09		Temperature, water	11.9	Deg C	
HCCD-01	WW_32	2011-11-14		Temperature, water	8.6	Deg C	
HCCD-01	WW_32	2012-01-17		Temperature, water	1.1	Deg C	
HCCD-01	WW_32	2010-10-11		Temperature, water	16.6	Deg C	
HCCD-01	WW_32	2011-05-09		Temperature, water	13.6	Deg C	
HCCD-01	WW_32	2011-04-11		Temperature, water	12.9	Deg C	
HCCD-01	WW_32	2011-12-12		Temperature, water	4.3	Deg C	
HCCD-01	WW_32	2005-02-14		Temperature, water	4.8	Deg C	
HCCD-01	WW_32	2005-06-13		Temperature, water	33.7	Deg C	
HCCD-01	WW_32	2004-07-12		Temperature, water	27.5	Deg C	
HCCD-01	WW_32	2004-10-11		Temperature, water	15.2	Deg C	
HCCD-01	WW_32	2005-07-11		Temperature, water	22	Deg C	
HCCD-01	WW_32	2004-08-09		Temperature, water	22.1	Deg C	
HCCD-01	WW_32	2005-09-12		Temperature, water	23	Deg C	
HCCD-01	WW_32	2004-09-13		Temperature, water	23	Deg C	
HCCD-01	WW_32	2005-03-14		Temperature, water	1.8	Deg C	
HCCD-01	WW_32	2005-04-11		Temperature, water	14.8	Deg C	
HCCD-01	WW_32	2004-12-13		Temperature, water	1.5	Deg C	
HCCD-01	WW_32	2004-11-08		Temperature, water	6.5	Deg C	
HCCD-01	WW_32	2004-06-14		Temperature, water	25.2	Deg C	
HCCD-01	WW_32	2005-08-08		Temperature, water	27.2	Deg C	
HCCD-01	WW_32	2005-05-09		Temperature, water	16.9	Deg C	
HCCD-01	WW_32	2006-07-10		Temperature, water	22.7	Deg C	
HCCD-01	WW_32	2009-03-09		Temperature, water	4.4	Deg C	
HCCD-01	WW_32	2005-12-12		Temperature, water	10.1	Deg C	
HCCD-01	WW_32	2010-05-10		Temperature, water	12.6	Deg C	
HCCD-01	WW_32	2006-06-12		Temperature, water	16.6	Deg C	
HCCD-01	WW_32	2007-08-13		Temperature, water	23.3	Deg C	
HCCD-01	WW_32	2010-06-14		Temperature, water	19.1	Deg C	
HCCD-01	WW_32	2006-10-09		Temperature, water	15.1	Deg C	
HCCD-01	WW_32	2009-04-13		Temperature, water	6.8	Deg C	
HCCD-01	WW_32	2008-07-14		Temperature, water	21.7	Deg C	
HCCD-01	WW_32	2008-11-10		Temperature, water	4.2	Deg C	
HCCD-01	WW_32	2007-06-11		Temperature, water	20.8	Deg C	
HCCD-01	WW_32	2007-05-14		Temperature, water	16.1	Deg C	
HCCD-01	WW_32	2010-09-13		Temperature, water	18.9	Deg C	
HCCD-01	WW_32	2006-08-14		Temperature, water	23.3	Deg C	
HCCD-01	WW_32	2008-10-13		Temperature, water	17	Deg C	
HCCD-01	WW_32	2010-07-12		Temperature, water	22.8	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2008-08-11		Temperature, water	20.6	Deg C	
HCCD-01	WW_32	2007-07-09		Temperature, water	25.7	Deg C	
HCCD-01	WW_32	2006-09-11		Temperature, water	17.3	Deg C	
HCCD-01	WW_32	2008-09-08		Temperature, water	18.4	Deg C	
HCCD-01	WW_32	2007-04-09		Temperature, water	5.4	Deg C	
HCCD-01	WW_32	2010-08-09		Temperature, water	23.8	Deg C	
HCCD-01	WW_32	2005-11-14		Temperature, water	15	Deg C	
HCCD-01	WW_32	2007-01-08		Temperature, water	3.1	Deg C	
HCCD-01	WW_32	2007-11-13		Temperature, water	8.3	Deg C	
HCCD-01	WW_32	2009-07-13		Temperature, water	21.6	Deg C	
HCCD-01	WW_32	2009-09-14		Temperature, water	19.1	Deg C	
HCCD-01	WW_32	2006-11-13		Temperature, water	6.2	Deg C	
HCCD-01	WW_32	2005-10-10		Temperature, water	18.6	Deg C	
HCCD-01	WW_32	2008-04-14		Temperature, water	7.2	Deg C	
HCCD-01	WW_32	2009-08-10		Temperature, water	24.9	Deg C	
HCCD-01	WW_32	2006-02-14		Temperature, water	9.7	Deg C	
HCCD-01	WW_32	2009-12-14		Temperature, water	4.1	Deg C	
HCCD-01	WW_32	2009-11-09		Temperature, water	16.9	Deg C	
HCCD-01	WW_32	2006-04-10		Temperature, water	10	Deg C	
HCCD-01	WW_32	2008-03-10		Temperature, water	1.7	Deg C	
HCCD-01	WW_32	2006-03-13		Temperature, water	8.8	Deg C	
HCCD-01	WW_32	2010-04-12		Temperature, water	11.5	Deg C	
HCCD-01	WW_32	2009-05-11		Temperature, water	11.5	Deg C	
HCCD-01	WW_32	2006-01-09		Temperature, water	7.2	Deg C	
HCCD-01	WW_32	2009-10-12		Temperature, water	8.7	Deg C	
HCCD-01	WW_32	2006-12-11		Temperature, water	3.9	Deg C	
HCCD-01	WW_32	2008-06-09		Temperature, water	19.9	Deg C	
HCCD-01	WW_32	2007-09-10		Temperature, water	21.6	Deg C	
HCCD-01	WW_32	2008-05-12		Temperature, water	11.6	Deg C	
HCCD-01	WW_32	2006-05-08		Temperature, water	14.1	Deg C	
HCCD-01	WW_32	2008-01-14		Temperature, water	1	Deg C	
HCCD-01	WW_32	2007-10-08		Temperature, water	21.6	Deg C	
HCCD-01	WW_32	2010-03-08		Temperature, water	4.5	Deg C	
HCCD-01	WW_32	2009-06-08		Temperature, water	15.8	Deg C	
HCCD-01	WW_32	2004-05-10		Temperature, water	19.8	Deg C	
HCCD-01	WW_32	2003-09-08		Temperature, water	28	Deg C	
HCCD-01	WW_32	2001-05-14		Temperature, water	14.9	Deg C	
HCCD-01	WW_32	2003-12-08		Temperature, water	6.3	Deg C	
HCCD-01	WW_32	2001-07-09		Temperature, water	23.8	Deg C	
HCCD-01	WW_32	2002-05-13		Temperature, water	12.6	Deg C	
HCCD-01	WW_32	2002-03-11		Temperature, water	4.7	Deg C	
HCCD-01	WW_32	2001-08-13		Temperature, water	26.9	Deg C	
HCCD-01	WW_32	2004-03-08		Temperature, water	4	Deg C	
HCCD-01	WW_32	2002-04-08		Temperature, water	7.7	Deg C	
HCCD-01	WW_32	2004-04-12		Temperature, water	7.1	Deg C	
HCCD-01	WW_32	2002-07-08		Temperature, water	25	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2001-06-11		Temperature, water	26.9	Deg C	
HCCD-01	WW_32	2001-09-10		Temperature, water	20.3	Deg C	
HCCD-01	WW_32	2003-11-10		Temperature, water	3.7	Deg C	
HCCD-01	WW_32	2002-06-10		Temperature, water	23.5	Deg C	
HCCD-01	WW_32	2002-02-11		Temperature, water	2.6	Deg C	
HCCD-01	WW_32	2001-02-13		Temperature, water	3.1	Deg C	
HCCD-01	WW_32	2002-11-12		Temperature, water	7	Deg C	
HCCD-01	WW_32	2001-11-13		Temperature, water	10	Deg C	
HCCD-01	WW_32	2003-07-14		Temperature, water	23.2	Deg C	
HCCD-01	WW_32	2003-08-11		Temperature, water	22.1	Deg C	
HCCD-01	WW_32	2001-04-09		Temperature, water	12.3	Deg C	
HCCD-01	WW_32	2003-06-09		Temperature, water	18.4	Deg C	
HCCD-01	WW_32	2001-03-12		Temperature, water	4	Deg C	
HCCD-01	WW_32	2001-12-10		Temperature, water	4.6	Deg C	
HCCD-01	WW_32	2003-04-14		Temperature, water	12.7	Deg C	
HCCD-01	WW_32	2001-10-08		Temperature, water	11.3	Deg C	
HCCD-01	WW_32	2003-05-12		Temperature, water	14.2	Deg C	
HCCD-09	HCCD-09	2001-08-01	10:10	Temperature, water	22.79	deg c	
HCCD-09	HCCD-09	2001-09-27	13:50	Temperature, water	16.1	deg c	
HCCD-09	HCCD-09	2001-07-02	11:15	Temperature, water	18.25	deg c	
HCCD-09	HCCD-09	2006-07-25	10:30	Temperature, water	22.48	deg C	
HCCD-09	HCCD-09	2006-09-18	12:30	Temperature, water	20.41	deg C	
HCCD-09	HCCD-09	2011-09-20	10:20	Temperature, water	17.91	deg C	
HCCD-09	HCCD-09	2006-06-13	8:30	Temperature, water	17.24	deg C	
HCCD-09	HCCD-09	2011-06-20	14:00	Temperature, water	19.52	deg C	
HCCD-09	HCCD-09	2011-08-18	8:20	Temperature, water	24.47	deg C	
HCCD-09	WW_105	2012-04-09		Temperature, water	14	Deg C	
HCCD-09	WW_105	2010-12-13		Temperature, water	4.3	Deg C	
HCCD-09	WW_105	2011-01-10		Temperature, water	5	Deg C	
HCCD-09	WW_105	2011-09-12		Temperature, water	21.4	Deg C	
HCCD-09	WW_105	2012-05-14		Temperature, water	21.1	Deg C	
HCCD-09	WW_105	2011-05-09		Temperature, water	14.4	Deg C	
HCCD-09	WW_105	2011-02-14		Temperature, water	8	Deg C	
HCCD-09	WW_105	2011-08-08		Temperature, water	25.1	Deg C	
HCCD-09	WW_105	2010-10-11		Temperature, water	18.5	Deg C	
HCCD-09	WW_105	2011-12-12		Temperature, water	4.4	Deg C	
HCCD-09	WW_105	2011-03-14		Temperature, water	5.1	Deg C	
HCCD-09	WW_105	2012-02-14		Temperature, water	1.8	Deg C	
HCCD-09	WW_105	2012-07-16		Temperature, water	26.5	Deg C	
HCCD-09	WW_105	2011-06-13		Temperature, water	18.8	Deg C	
HCCD-09	WW_105	2011-04-11		Temperature, water	12.9	Deg C	
HCCD-09	WW_105	2010-11-08		Temperature, water	12	Deg C	
HCCD-09	WW_105	2012-03-12		Temperature, water	15.5	Deg C	
HCCD-09	WW_105	2011-07-11		Temperature, water	21.9	Deg C	
HCCD-09	WW_105	2012-06-11		Temperature, water	24.3	Deg C	
HCCD-09	WW_105	2011-11-14		Temperature, water	10.8	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-10-10		Temperature, water	18	Deg C	
HCCD-09	WW_105	2012-01-17		Temperature, water	3	Deg C	
HCCD-09	WW_105	2001-06-11		Temperature, water	24.6	Deg C	
HCCD-09	WW_105	2001-07-09		Temperature, water	25.2	Deg C	
HCCD-09	WW_105	2002-06-10		Temperature, water	20.5	Deg C	
HCCD-09	WW_105	2003-12-08		Temperature, water	7.3	Deg C	
HCCD-09	WW_105	2005-03-14		Temperature, water	6.1	Deg C	
HCCD-09	WW_105	2005-09-12		Temperature, water	25.3	Deg C	
HCCD-09	WW_105	2002-08-12		Temperature, water	23.8	Deg C	
HCCD-09	WW_105	2004-09-13		Temperature, water	21.1	Deg C	
HCCD-09	WW_105	2003-11-10		Temperature, water	8.6	Deg C	
HCCD-09	WW_105	2002-07-08		Temperature, water	23.1	Deg C	
HCCD-09	WW_105	2003-02-10		Temperature, water	9.4	Deg C	
HCCD-09	WW_105	2005-05-09		Temperature, water	15.5	Deg C	
HCCD-09	WW_105	2003-03-10		Temperature, water	7.8	Deg C	
HCCD-09	WW_105	2003-01-13		Temperature, water	8.5	Deg C	
HCCD-09	WW_105	2001-03-12		Temperature, water	5.8	Deg C	
HCCD-09	WW_105	2003-05-12		Temperature, water	15.8	Deg C	
HCCD-09	WW_105	2004-12-13		Temperature, water	3.8	Deg C	
HCCD-09	WW_105	2003-04-14		Temperature, water	12.1	Deg C	
HCCD-09	WW_105	2003-06-09		Temperature, water	28.3	Deg C	
HCCD-09	WW_105	2001-05-14		Temperature, water	17.2	Deg C	
HCCD-09	WW_105	2005-01-10		Temperature, water	6.5	Deg C	
HCCD-09	WW_105	2005-06-13		Temperature, water	26.2	Deg C	
HCCD-09	WW_105	2004-10-11		Temperature, water	18.1	Deg C	
HCCD-09	WW_105	2003-09-08		Temperature, water	21.7	Deg C	
HCCD-09	WW_105	2004-11-08		Temperature, water	10.6	Deg C	
HCCD-09	WW_105	2002-12-09		Temperature, water	5.2	Deg C	
HCCD-09	WW_105	2003-07-14		Temperature, water	24	Deg C	
HCCD-09	WW_105	2005-04-11		Temperature, water	15.3	Deg C	
HCCD-09	WW_105	2001-04-09		Temperature, water	12.5	Deg C	
HCCD-09	WW_105	2002-11-12		Temperature, water	10	Deg C	
HCCD-09	WW_105	2003-08-11		Temperature, water	22.2	Deg C	
HCCD-09	WW_105	2002-04-08		Temperature, water	9.9	Deg C	
HCCD-09	WW_105	2004-01-12		Temperature, water	7.4	Deg C	
HCCD-09	WW_105	2002-01-14		Temperature, water	9.3	Deg C	
HCCD-09	WW_105	2004-06-14		Temperature, water	24.2	Deg C	
HCCD-09	WW_105	2002-02-11		Temperature, water	5.2	Deg C	
HCCD-09	WW_105	2004-02-09		Temperature, water	1.4	Deg C	
HCCD-09	WW_105	2004-04-12		Temperature, water	10.2	Deg C	
HCCD-09	WW_105	2001-10-08		Temperature, water	14.5	Deg C	
HCCD-09	WW_105	2001-09-10		Temperature, water	20.9	Deg C	
HCCD-09	WW_105	2001-12-10		Temperature, water	8.9	Deg C	
HCCD-09	WW_105	2002-05-13		Temperature, water	12.8	Deg C	
HCCD-09	WW_105	2005-08-08		Temperature, water	24.8	Deg C	
HCCD-09	WW_105	2005-07-11		Temperature, water	21.6	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2002-03-11		Temperature, water	6.9	Deg C	
HCCD-09	WW_105	2004-05-10		Temperature, water	17.8	Deg C	
HCCD-09	WW_105	2004-07-12		Temperature, water	26	Deg C	
HCCD-09	WW_105	2004-03-08		Temperature, water	4.4	Deg C	
HCCD-09	WW_105	2001-11-13		Temperature, water	12	Deg C	
HCCD-09	WW_105	2005-02-14		Temperature, water	6.1	Deg C	
HCCD-09	WW_105	2004-08-09		Temperature, water	21.8	Deg C	
HCCD-09	WW_105	2001-08-13		Temperature, water	25.2	Deg C	
HCCD-09	WW_105	2007-10-08		Temperature, water	22.2	Deg C	
HCCD-09	WW_105	2007-09-10		Temperature, water	21.8	Deg C	
HCCD-09	WW_105	2007-05-14		Temperature, water	16.7	Deg C	
HCCD-09	WW_105	2006-10-09		Temperature, water	16.4	Deg C	
HCCD-09	WW_105	2008-10-13		Temperature, water	17.9	Deg C	
HCCD-09	WW_105	2008-03-10		Temperature, water	2.9	Deg C	
HCCD-09	WW_105	2006-12-11		Temperature, water	7.9	Deg C	
HCCD-09	WW_105	2008-02-11		Temperature, water	4.6	Deg C	
HCCD-09	WW_105	2008-07-14		Temperature, water	23.3	Deg C	
HCCD-09	WW_105	2007-07-09		Temperature, water	24.8	Deg C	
HCCD-09	WW_105	2007-12-10		Temperature, water	6.9	Deg C	
HCCD-09	WW_105	2008-08-11		Temperature, water	20.4	Deg C	
HCCD-09	WW_105	2008-05-12		Temperature, water	13.6	Deg C	
HCCD-09	WW_105	2007-11-13		Temperature, water	12.8	Deg C	
HCCD-09	WW_105	2007-08-13		Temperature, water	24.5	Deg C	
HCCD-09	WW_105	2007-01-08		Temperature, water	5.8	Deg C	
HCCD-09	WW_105	2007-04-09		Temperature, water	6.1	Deg C	
HCCD-09	WW_105	2008-06-09		Temperature, water	21.9	Deg C	
HCCD-09	WW_105	2008-09-08		Temperature, water	20	Deg C	
HCCD-09	WW_105	2007-06-11		Temperature, water	19.5	Deg C	
HCCD-09	WW_105	2008-01-14		Temperature, water	1	Deg C	
HCCD-09	WW_105	2008-04-14		Temperature, water	8.4	Deg C	
HCCD-09	WW_105	2007-03-12		Temperature, water	3.15	Deg C	
HCCD-09	WW_105	2006-09-11		Temperature, water	19	Deg C	
HCCD-09	WW_105	2006-11-13		Temperature, water	8.4	Deg C	
HCCD-09	WW_105	2010-05-10		Temperature, water	14	Deg C	
HCCD-09	WW_105	2006-05-08		Temperature, water	15.6	Deg C	
HCCD-09	WW_105	2010-03-08		Temperature, water	7.1	Deg C	
HCCD-09	WW_105	2009-04-13		Temperature, water	8.8	Deg C	
HCCD-09	WW_105	2009-05-11		Temperature, water	13.3	Deg C	
HCCD-09	WW_105	2010-04-12		Temperature, water	12.7	Deg C	
HCCD-09	WW_105	2006-01-09		Temperature, water	4.2	Deg C	
HCCD-09	WW_105	2009-03-09		Temperature, water	4.3	Deg C	
HCCD-09	WW_105	2009-02-09		Temperature, water	5.1	Deg C	
HCCD-09	WW_105	2010-07-12		Temperature, water	22.5	Deg C	
HCCD-09	WW_105	2006-06-12		Temperature, water	16.8	Deg C	
HCCD-09	WW_105	2005-12-12		Temperature, water	1.5	Deg C	
HCCD-09	WW_105	2010-06-14		Temperature, water	19.2	Deg C	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2009-11-09		Temperature, water	13.9	Deg C	
HCCD-09	WW_105	2009-12-14		Temperature, water	6.1	Deg C	
HCCD-09	WW_105	2009-08-10		Temperature, water	24.1	Deg C	
HCCD-09	WW_105	2009-10-12		Temperature, water	12.1	Deg C	
HCCD-09	WW_105	2006-03-13		Temperature, water	9.6	Deg C	
HCCD-09	WW_105	2009-09-14		Temperature, water	18.9	Deg C	
HCCD-09	WW_105	2010-02-08		Temperature, water	5.3	Deg C	
HCCD-09	WW_105	2009-06-08		Temperature, water	16.1	Deg C	
HCCD-09	WW_105	2006-02-14		Temperature, water	6	Deg C	
HCCD-09	WW_105	2006-04-10		Temperature, water	10	Deg C	
HCCD-09	WW_105	2010-01-11		Temperature, water	2.5	Deg C	
HCCD-09	WW_105	2009-07-13		Temperature, water	21.6	Deg C	
HCCD-09	WW_105	2010-08-09		Temperature, water	23.8	Deg C	
HCCD-09	WW_105	2006-07-10		Temperature, water	21.8	Deg C	
HCCD-09	WW_105	2005-11-14		Temperature, water	9.2	Deg C	
HCCD-09	WW_105	2009-01-12		Temperature, water	3.2	Deg C	
HCCD-09	WW_105	2006-08-14		Temperature, water	22	Deg C	
HCCD-09	WW_105	2010-09-13		Temperature, water	20.2	Deg C	
HCCD-09	WW_105	2008-11-10		Temperature, water	8.9	Deg C	
HCCD-09	WW_105	2008-12-08		Temperature, water	5.2	Deg C	
HCCD-09	WW_105	2005-10-10		Temperature, water	14.6	Deg C	
UHH	UHH-1	2002-05-14		Total solids	603	mg/L	3
UHH	UHH-1	2002-06-18		Total solids	721	mg/L	3
UHH	UHH-1	2002-07-23		Total solids	750	mg/L	3
UHH	UHH-1	2002-08-20		Total solids	735	mg/L	3
UHH	UHH-1	2002-09-17		Total solids	665	mg/L	3
UHH	UHH-2	2002-05-14		Total solids	821	mg/L	3
UHH	UHH-2	2002-06-18		Total solids	819	mg/L	3
UHH	UHH-2	2002-07-23		Total solids	748	mg/L	3
UHH	UHH-2	2002-08-20		Total solids	678	mg/L	3
UHH	UHH-2	2002-09-17		Total solids	671	mg/L	3
UHH	UHH-1	2002-05-14		Total volatile solids	129	mg/L	3
UHH	UHH-1	2002-06-18		Total volatile solids	184	mg/L	3
UHH	UHH-1	2002-07-23		Total volatile solids	177	mg/L	3
UHH	UHH-1	2002-08-20		Total volatile solids	168	mg/L	3
UHH	UHH-1	2002-09-17		Total volatile solids	119	mg/L	3
UHH	UHH-2	2002-05-14		Total volatile solids	178	mg/L	3
UHH	UHH-2	2002-06-18		Total volatile solids	223	mg/L	3
UHH	UHH-2	2002-07-23		Total volatile solids	173	mg/L	3
UHH	UHH-2	2002-08-20		Total volatile solids	127	mg/L	3
UHH	UHH-2	2002-09-17		Total volatile solids	126	mg/L	3
UHH	UHH-1	2002-05-14		TRP	0	NA	3
UHH	UHH-1	2002-06-18		TRP	0	NA	3
UHH	UHH-1	2002-07-23		TRP	0	NA	3
UHH	UHH-1	2002-08-20		TRP	0	NA	3
UHH	UHH-1	2002-09-17		TRP	0	NA	3

Segment	Station	Date	Time	Parameter	Result	Units	Depth
UHH	UHH-2	2002-05-14		TRP	0	NA	3
UHH	UHH-2	2002-06-18		TRP	0	NA	3
UHH	UHH-2	2002-07-23		TRP	0	NA	3
UHH	UHH-2	2002-08-20		TRP	0	NA	3
UHH	UHH-2	2002-09-17		TRP	0	NA	3
HCC-07	HCC-07	2002-10-29	11:50	Turbidity	17.31	NTU	
HCC-07	HCC-07	2011-10-20	12:05	Turbidity	51.5	NTU	
HCC-07	HCC-07	2000-03-01	12:45	Turbidity	17.4	NTU	
HCC-07	HCC-07	2000-01-24	13:15	Turbidity	7	NTU	
HCC-07	HCC-07	1999-09-30	12:30	Turbidity	48	NTU	
HCC-07	HCC-07	2011-12-14	13:45	Turbidity	102.8	NTU	
HCC-07	HCC-07	1999-12-16	13:30	Turbidity	24	NTU	
HCC-07	HCC-07	1999-11-03	12:30	Turbidity	9.7	NTU	
HCC-07	HCC-07	2000-11-01	12:30	Turbidity	14	NTU	
HCC-07	HCC-07	2001-04-05	12:00	Turbidity	19	NTU	
HCC-07	HCC-07	2000-08-10	12:40	Turbidity	15	NTU	
HCC-07	HCC-07	2002-05-20	13:30	Turbidity	29	NTU	
HCC-07	HCC-07	1999-06-22	13:00	Turbidity	33	NTU	
HCC-07	HCC-07	2003-08-21	12:30	Turbidity	33.4	NTU	
HCC-07	HCC-07	2011-07-21	9:10	Turbidity	11	NTU	
HCC-07	HCC-07	2011-09-12	9:35	Turbidity	8.2	NTU	
HCC-07	HCC-07	2000-05-18	10:15	Turbidity	9.3	NTU	
HCC-07	HCC-07	2000-04-13	13:20	Turbidity	7.6	NTU	
HCC-07	HCC-07	2004-05-13	12:45	Turbidity	46.2	NTU	
HCC-07	HCC-07	2004-04-12	13:30	Turbidity	11.4	NTU	
HCC-07	HCC-07	2003-09-23	12:30	Turbidity	38.8	NTU	
HCC-07	HCC-07	2002-09-17	12:00	Turbidity	18	NTU	
HCC-07	HCC-07	2004-06-21	12:45	Turbidity	32.8	NTU	
HCC-07	HCC-07	2004-08-04	13:15	Turbidity	130	NTU	
HCC-07	HCC-07	2003-12-22	12:45	Turbidity	20.4	NTU	
HCC-07	HCC-07	2003-11-06	12:15	Turbidity	37.4	NTU	
HCC-07	HCC-07	2004-03-10	13:15	Turbidity	35.4	NTU	
HCC-07	HCC-07	2004-02-05	11:30	Turbidity	19.7	NTU	
HCC-07	HCC-07	1999-05-18	12:15	Turbidity	22	NTU	
HCC-07	HCC-07	1999-04-01	11:45	Turbidity	8.2	NTU	
HCC-07	HCC-07	2002-12-12	11:00	Turbidity	14.2	NTU	
HCC-07	HCC-07	1999-08-24	15:45	Turbidity	38	NTU	
HCC-07	HCC-07	2004-10-26	11:30	Turbidity	17.8	NTU	
HCC-07	HCC-07	2004-09-14	12:15	Turbidity	21.4	NTU	
HCC-07	HCC-07	1999-03-05	12:10	Turbidity	10	NTU	
HCC-07	HCC-07	2004-11-23	11:45	Turbidity	19.5	NTU	
HCC-07	HCC-07	2009-06-29	11:00	Turbidity	16.3	NTU	
HCC-07	HCC-07	2009-05-28	11:45	Turbidity	35.5	NTU	
HCC-07	HCC-07	2009-03-05	8:40	Turbidity	34	NTU	
HCC-07	HCC-07	2009-04-27	11:55	Turbidity	50	NTU	
HCC-07	HCC-07	2009-03-23	10:45	Turbidity	20	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2010-01-25	10:33	Turbidity	38	NTU	
HCC-07	HCC-07	2009-12-08	10:00	Turbidity	18	NTU	
HCC-07	HCC-07	2009-11-05	9:15	Turbidity	13.5	NTU	
HCC-07	HCC-07	2009-09-15	11:25	Turbidity	20.1	NTU	
HCC-07	HCC-07	2012-03-13	10:00	Turbidity	13.4	NTU	
HCC-07	HCC-07	2012-04-16	9:15	Turbidity	50	NTU	
HCC-07	HCC-07	2012-01-26	10:00	Turbidity	21.5	NTU	
HCC-07	HCC-07	2001-02-14	12:30	Turbidity	72	NTU	
HCC-07	HCC-07	2012-05-29	9:40	Turbidity	4.67	NTU	
HCC-07	HCC-07	2012-06-25	8:30	Turbidity	10.3	NTU	
HCC-07	HCC-07	2012-07-24	9:00	Turbidity	51.8	NTU	
HCC-07	HCC-07	2012-09-17	9:15	Turbidity	17.7	NTU	
HCC-07	HCC-07	2013-09-26	9:20	Turbidity	17	NTU	
HCC-07	HCC-07	2001-05-02	12:30	Turbidity	21	NTU	
HCC-07	HCC-07	2013-05-20	13:10	Turbidity	6.9	NTU	
HCC-07	HCC-07	2013-07-01	10:00	Turbidity	16.5	NTU	
HCC-07	HCC-07	2013-08-05	10:50	Turbidity	16.8	NTU	
HCC-07	HCC-07	2013-10-29	13:45	Turbidity	17	NTU	
HCC-07	HCC-07	2013-12-10	9:00	Turbidity	13.3	NTU	
HCC-07	HCC-07	2012-10-29	11:00	Turbidity	3.72	NTU	
HCC-07	HCC-07	2012-12-17	8:45	Turbidity	20.2	NTU	
HCC-07	HCC-07	2013-03-14	8:00	Turbidity	34.2	NTU	
HCC-07	HCC-07	2013-04-16	9:00	Turbidity	31	NTU	
HCC-07	HCC-07	2013-01-30	9:55	Turbidity	120	NTU	
HCC-07	HCC-07	2001-12-19	13:00	Turbidity	41	NTU	
HCC-07	HCC-07	2008-10-08	10:40	Turbidity	16	NTU	
HCC-07	HCC-07	2001-11-08	12:00	Turbidity	20	NTU	
HCC-07	HCC-07	2001-08-02	11:05	Turbidity	185.7	NTU	
HCC-07	HCC-07	2002-04-03	15:30	Turbidity	11	NTU	
HCC-07	HCC-07	2010-05-26	12:05	Turbidity	16.3	NTU	
HCC-07	HCC-07	2010-07-01	12:20	Turbidity	17.6	NTU	
HCC-07	HCC-07	2010-03-12	10:00	Turbidity	44.6	NTU	
HCC-07	HCC-07	2010-04-14	11:40	Turbidity	8.69	NTU	
HCC-07	HCC-07	2010-08-05	10:45	Turbidity	42.1	NTU	
HCC-07	HCC-07	2010-12-13	9:00	Turbidity	24	NTU	
HCC-07	HCC-07	2001-03-19	12:00	Turbidity	27	NTU	
HCC-07	HCC-07	2010-09-16	11:20	Turbidity	40.4	NTU	
HCC-07	HCC-07	2010-11-09	9:30	Turbidity	12.3	NTU	
HCC-07	HCC-07	2002-07-01	13:30	Turbidity	10	NTU	
HCC-07	HCC-07	2002-07-30	10:15	Turbidity	41	NTU	
HCC-07	HCC-07	2002-01-30	13:30	Turbidity	17	NTU	
HCC-07	HCC-07	2006-07-19	9:30	Turbidity	37	NTU	
HCC-07	HCC-07	2006-07-11	9:33	Turbidity	29	NTU	
HCC-07	HCC-07	2006-09-07	12:50	Turbidity	39	NTU	
HCC-07	HCC-07	2006-04-05	11:30	Turbidity	24	NTU	
HCC-07	HCC-07	2006-03-07	10:10	Turbidity	15	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	HCC-07	2006-01-24	9:25	Turbidity	17	NTU	
HCC-07	HCC-07	2006-05-25	10:55	Turbidity	80	NTU	
HCC-07	HCC-07	2006-11-06	10:40	Turbidity	12.9	NTU	
HCC-07	HCC-07	2007-01-11	13:30	Turbidity	15	NTU	
HCC-07	HCC-07	2006-11-29	9:30	Turbidity	16	NTU	
HCC-07	HCC-07	2006-09-28	10:00	Turbidity	21	NTU	
HCC-07	HCC-07	2006-09-18	8:20	Turbidity	42	NTU	
HCC-07	HCC-07	2003-06-04	13:15	Turbidity	14.7	NTU	
HCC-07	HCC-07	2005-06-06	12:45	Turbidity	13.6	NTU	
HCC-07	HCC-07	2005-04-05	12:40	Turbidity	15.7	NTU	
HCC-07	HCC-07	2003-03-20	12:30	Turbidity	29.4	NTU	
HCC-07	HCC-07	2005-05-03	12:45	Turbidity	19.9	NTU	
HCC-07	HCC-07	2005-01-11	11:15	Turbidity	32.4	NTU	
HCC-07	HCC-07	2005-11-17	10:20	Turbidity	19.4	NTU	
HCC-07	HCC-07	2005-10-26	9:30	Turbidity	25	NTU	
HCC-07	HCC-07	2005-08-08	13:15	Turbidity	70.1	NTU	
HCC-07	HCC-07	2005-09-07	11:30	Turbidity	28.7	NTU	
HCC-07	HCC-07	2003-04-30	13:20	Turbidity	49.3	NTU	
HCC-07	HCC-07	2011-06-02	12:50	Turbidity	27.8	NTU	
HCC-07	HCC-07	2011-04-20	9:00	Turbidity	84.7	NTU	
HCC-07	HCC-07	2011-06-28	11:30	Turbidity	24.9	NTU	
HCC-07	HCC-07	2011-03-03	9:15	Turbidity	15.3	NTU	
HCC-07	HCC-07	2003-07-16	13:20	Turbidity	51.3	NTU	
HCC-07	HCC-07	2005-03-03	11:15	Turbidity	19.1	NTU	
HCC-07	HCC-07	2003-01-30	13:00	Turbidity	17.06	NTU	
HCC-07	WW_34	2011-08-08		Turbidity	36.6	NTU	
HCC-07	WW_34	2011-12-12		Turbidity	11.4	NTU	
HCC-07	WW_34	2011-07-11		Turbidity	20.2	NTU	
HCC-07	WW_34	2011-01-10		Turbidity	13.4	NTU	
HCC-07	WW_34	2011-04-11		Turbidity	6.04	NTU	
HCC-07	WW_34	2011-11-14		Turbidity	8.43	NTU	
HCC-07	WW_34	2012-02-14		Turbidity	10.3	NTU	
HCC-07	WW_34	2011-10-10		Turbidity	9.83	NTU	
HCC-07	WW_34	2011-09-12		Turbidity	4.7	NTU	
HCC-07	WW_34	2011-03-14		Turbidity	10.5	NTU	
HCC-07	WW_34	2012-01-17		Turbidity	21.7	NTU	
HCC-07	WW_34	2011-05-09		Turbidity	5.34	NTU	
HCC-07	WW_34	2011-06-13		Turbidity	11.1	NTU	
HCC-07	WW_34	2012-03-12		Turbidity	7.43	NTU	
HCC-07	WW_34	2005-07-11		Turbidity	13.8	NTU	
HCC-07	WW_34	2005-02-14		Turbidity	56.2	NTU	
HCC-07	WW_34	2004-08-09		Turbidity	19.4	NTU	
HCC-07	WW_34	2005-04-11		Turbidity	14.5	NTU	
HCC-07	WW_34	2005-03-14		Turbidity	12.2	NTU	
HCC-07	WW_34	2005-05-09		Turbidity	13.4	NTU	
HCC-07	WW_34	2004-10-11		Turbidity	19.1	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2005-09-12		Turbidity	20.9	NTU	
HCC-07	WW_34	2005-08-08		Turbidity	14.2	NTU	
HCC-07	WW_34	2004-12-13		Turbidity	17.9	NTU	
HCC-07	WW_34	2004-09-13		Turbidity	17.5	NTU	
HCC-07	WW_34	2004-06-14		Turbidity	20.4	NTU	
HCC-07	WW_34	2005-06-13		Turbidity	9.32	NTU	
HCC-07	WW_34	2004-11-08		Turbidity	12.7	NTU	
HCC-07	WW_34	2005-01-10		Turbidity	16.5	NTU	
HCC-07	WW_34	2006-12-11		Turbidity	18.3	NTU	
HCC-07	WW_34	2005-10-10		Turbidity	20.9	NTU	
HCC-07	WW_34	2006-03-13		Turbidity	81.9	NTU	
HCC-07	WW_34	2006-11-13		Turbidity	16.2	NTU	
HCC-07	WW_34	2006-02-14		Turbidity	18.3	NTU	
HCC-07	WW_34	2006-08-14		Turbidity	20	NTU	
HCC-07	WW_34	2007-04-09		Turbidity	6.35	NTU	
HCC-07	WW_34	2005-11-14		Turbidity	15.9	NTU	
HCC-07	WW_34	2007-01-08		Turbidity	16.4	NTU	
HCC-07	WW_34	2006-06-12		Turbidity	14.3	NTU	
HCC-07	WW_34	2006-01-09		Turbidity	14.4	NTU	
HCC-07	WW_34	2006-09-11		Turbidity	102	NTU	
HCC-07	WW_34	2006-05-08		Turbidity	10.9	NTU	
HCC-07	WW_34	2006-04-10		Turbidity	11.8	NTU	
HCC-07	WW_34	2006-10-09		Turbidity	21.8	NTU	
HCC-07	WW_34	2006-07-10		Turbidity	17	NTU	
HCC-07	WW_34	2007-03-12		Turbidity	35.8	NTU	
HCC-07	WW_34	2008-04-14		Turbidity	19.4	NTU	
HCC-07	WW_34	2007-10-08		Turbidity	11	NTU	
HCC-07	WW_34	2009-08-10		Turbidity	7.41	NTU	
HCC-07	WW_34	2008-11-10		Turbidity	12.9	NTU	
HCC-07	WW_34	2009-07-13		Turbidity	5.85	NTU	
HCC-07	WW_34	2009-10-12		Turbidity	10.6	NTU	
HCC-07	WW_34	2009-11-09		Turbidity	11	NTU	
HCC-07	WW_34	2009-09-14		Turbidity	6.42	NTU	
HCC-07	WW_34	2007-09-10		Turbidity	19.8	NTU	
HCC-07	WW_34	2008-10-13		Turbidity	12.6	NTU	
HCC-07	WW_34	2009-01-12		Turbidity	14.2	NTU	
HCC-07	WW_34	2008-01-14		Turbidity	7.4	NTU	
HCC-07	WW_34	2009-04-13		Turbidity	4.35	NTU	
HCC-07	WW_34	2009-03-09		Turbidity	63.8	NTU	
HCC-07	WW_34	2009-02-09		Turbidity	18.9	NTU	
HCC-07	WW_34	2007-11-13		Turbidity	16.7	NTU	
HCC-07	WW_34	2009-06-08		Turbidity	43.3	NTU	
HCC-07	WW_34	2008-03-10		Turbidity	19.6	NTU	
HCC-07	WW_34	2009-05-11		Turbidity	4.94	NTU	
HCC-07	WW_34	2008-12-08		Turbidity	12.7	NTU	
HCC-07	WW_34	2007-12-10		Turbidity	18.6	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2010-06-14		Turbidity	15.4	NTU	
HCC-07	WW_34	2008-08-11		Turbidity	25.6	NTU	
HCC-07	WW_34	2007-06-11		Turbidity	13.2	NTU	
HCC-07	WW_34	2010-05-10		Turbidity	6.42	NTU	
HCC-07	WW_34	2008-05-12		Turbidity	22.3	NTU	
HCC-07	WW_34	2010-08-09		Turbidity	8.2	NTU	
HCC-07	WW_34	2008-07-14		Turbidity	20.9	NTU	
HCC-07	WW_34	2008-06-09		Turbidity	20.6	NTU	
HCC-07	WW_34	2010-07-12		Turbidity	34.38	NTU	
HCC-07	WW_34	2007-05-14		Turbidity	10.7	NTU	
HCC-07	WW_34	2010-02-08		Turbidity	14	NTU	
HCC-07	WW_34	2010-03-08		Turbidity	6.67	NTU	
HCC-07	WW_34	2009-12-14		Turbidity	13.5	NTU	
HCC-07	WW_34	2008-09-08		Turbidity	21.5	NTU	
HCC-07	WW_34	2007-08-13		Turbidity	13.1	NTU	
HCC-07	WW_34	2010-01-11		Turbidity	3.16	NTU	
HCC-07	WW_34	2010-04-12		Turbidity	6.99	NTU	
HCC-07	WW_34	2007-07-09		Turbidity	6.72	NTU	
HCC-07	WW_34	2001-08-13		Turbidity	16.2	NTU	
HCC-07	WW_34	2004-03-08		Turbidity	44.6	NTU	
HCC-07	WW_34	2003-11-10		Turbidity	12.1	NTU	
HCC-07	WW_34	2003-06-09		Turbidity	17.3	NTU	
HCC-07	WW_34	2002-06-10		Turbidity	18	NTU	
HCC-07	WW_34	2003-03-10		Turbidity	3.8	NTU	
HCC-07	WW_34	2002-05-13		Turbidity	32.3	NTU	
HCC-07	WW_34	2001-06-11		Turbidity	11.2	NTU	
HCC-07	WW_34	2001-01-16		Turbidity	20	NTU	
HCC-07	WW_34	2001-10-08		Turbidity	18.6	NTU	
HCC-07	WW_34	2004-01-12		Turbidity	20.2	NTU	
HCC-07	WW_34	2003-05-12		Turbidity	28	NTU	
HCC-07	WW_34	2001-07-09		Turbidity	20.5	NTU	
HCC-07	WW_34	2002-03-11		Turbidity	20.7	NTU	
HCC-07	WW_34	2004-02-09		Turbidity	14.4	NTU	
HCC-07	WW_34	2001-02-13		Turbidity	29	NTU	
HCC-07	WW_34	2002-02-11		Turbidity	26.1	NTU	
HCC-07	WW_34	2003-12-08		Turbidity	11.9	NTU	
HCC-07	WW_34	2002-04-08		Turbidity	15	NTU	
HCC-07	WW_34	2003-04-14		Turbidity	11	NTU	
HCC-07	WW_34	2003-07-14		Turbidity	18.5	NTU	
HCC-07	WW_34	2002-11-12		Turbidity	10.5	NTU	
HCC-07	WW_34	2001-11-13		Turbidity	12	NTU	
HCC-07	WW_34	2001-05-14		Turbidity	17.1	NTU	
HCC-07	WW_34	2003-09-08		Turbidity	13.7	NTU	
HCC-07	WW_34	2004-04-12		Turbidity	10.4	NTU	
HCC-07	WW_34	2002-08-12		Turbidity	27.1	NTU	
HCC-07	WW_34	2001-09-10		Turbidity	26.1	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_34	2003-08-11		Turbidity	17.1	NTU	
HCC-07	WW_34	2001-04-09		Turbidity	19	NTU	
HCC-07	WW_34	2002-10-14		Turbidity	12.8	NTU	
HCC-07	WW_34	2002-09-09		Turbidity	18.3	NTU	
HCC-07	WW_34	2001-12-10		Turbidity	13	NTU	
HCC-07	WW_34	2003-10-13		Turbidity	15	NTU	
HCC-07	WW_34	2002-07-08		Turbidity	8.9	NTU	
HCC-07	WW_34	2002-01-14		Turbidity	13.5	NTU	
HCC-07	WW_34	2003-01-13		Turbidity	11.1	NTU	
HCC-07	WW_34	2001-03-12		Turbidity	14	NTU	
HCC-07	WW_34	2002-12-09		Turbidity	13.1	NTU	
HCC-07	WW_34	2004-05-10		Turbidity	10.3	NTU	
HCC-07	WW_96	2010-11-08		Turbidity	5.21	NTU	
HCC-07	WW_96	2011-09-12		Turbidity	2.52	NTU	
HCC-07	WW_96	2011-08-08		Turbidity	37.4	NTU	
HCC-07	WW_96	2010-12-13		Turbidity	13.9	NTU	
HCC-07	WW_96	2012-03-12		Turbidity	9.32	NTU	
HCC-07	WW_96	2010-10-11		Turbidity	6.7	NTU	
HCC-07	WW_96	2011-12-12		Turbidity	7.67	NTU	
HCC-07	WW_96	2011-11-14		Turbidity	7.39	NTU	
HCC-07	WW_96	2012-02-14		Turbidity	4.02	NTU	
HCC-07	WW_96	2012-01-17		Turbidity	11.2	NTU	
HCC-07	WW_96	2011-10-10		Turbidity	4.6	NTU	
HCC-07	WW_96	2011-03-14		Turbidity	11.2	NTU	
HCC-07	WW_96	2011-05-09		Turbidity	7.32	NTU	
HCC-07	WW_96	2011-04-11		Turbidity	5.7	NTU	
HCC-07	WW_96	2011-07-11		Turbidity	15.1	NTU	
HCC-07	WW_96	2011-01-10		Turbidity	7.86	NTU	
HCC-07	WW_96	2011-06-13		Turbidity	10.1	NTU	
HCC-07	WW_96	2005-09-12		Turbidity	14.1	NTU	
HCC-07	WW_96	2004-12-13		Turbidity	16.5	NTU	
HCC-07	WW_96	2005-03-14		Turbidity	8.4	NTU	
HCC-07	WW_96	2005-04-11		Turbidity	8.38	NTU	
HCC-07	WW_96	2004-10-11		Turbidity	18.6	NTU	
HCC-07	WW_96	2004-11-08		Turbidity	13.9	NTU	
HCC-07	WW_96	2005-05-09		Turbidity	4.59	NTU	
HCC-07	WW_96	2005-07-11		Turbidity	8.77	NTU	
HCC-07	WW_96	2005-02-14		Turbidity	77.3	NTU	
HCC-07	WW_96	2004-06-14		Turbidity	21.3	NTU	
HCC-07	WW_96	2005-01-10		Turbidity	6.81	NTU	
HCC-07	WW_96	2005-08-08		Turbidity	11.7	NTU	
HCC-07	WW_96	2004-09-13		Turbidity	12.4	NTU	
HCC-07	WW_96	2005-06-13		Turbidity	8.73	NTU	
HCC-07	WW_96	2004-08-09		Turbidity	16.6	NTU	
HCC-07	WW_96	2010-04-12		Turbidity	6.03	NTU	
HCC-07	WW_96	2007-04-09		Turbidity	6.32	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2007-07-09		Turbidity	20.8	NTU	
HCC-07	WW_96	2008-04-14		Turbidity	26.6	NTU	
HCC-07	WW_96	2010-09-13		Turbidity	11.5	NTU	
HCC-07	WW_96	2008-10-13		Turbidity	9.56	NTU	
HCC-07	WW_96	2010-03-08		Turbidity	5.62	NTU	
HCC-07	WW_96	2008-06-09		Turbidity	68.3	NTU	
HCC-07	WW_96	2010-05-10		Turbidity	5.93	NTU	
HCC-07	WW_96	2008-05-12		Turbidity	34.5	NTU	
HCC-07	WW_96	2010-06-14		Turbidity	20.1	NTU	
HCC-07	WW_96	2010-07-12		Turbidity	44.06	NTU	
HCC-07	WW_96	2008-08-11		Turbidity	7.7	NTU	
HCC-07	WW_96	2007-05-14		Turbidity	5.22	NTU	
HCC-07	WW_96	2010-08-09		Turbidity	10.5	NTU	
HCC-07	WW_96	2008-09-08		Turbidity	26.2	NTU	
HCC-07	WW_96	2006-10-09		Turbidity	23.3	NTU	
HCC-07	WW_96	2007-03-12		Turbidity	37.1	NTU	
HCC-07	WW_96	2008-07-14		Turbidity	30.5	NTU	
HCC-07	WW_96	2006-08-14		Turbidity	14	NTU	
HCC-07	WW_96	2006-09-11		Turbidity	63	NTU	
HCC-07	WW_96	2005-10-10		Turbidity	15.5	NTU	
HCC-07	WW_96	2005-11-14		Turbidity	11.2	NTU	
HCC-07	WW_96	2007-06-11		Turbidity	20.6	NTU	
HCC-07	WW_96	2007-11-13		Turbidity	5.76	NTU	
HCC-07	WW_96	2009-07-13		Turbidity	8.63	NTU	
HCC-07	WW_96	2009-08-10		Turbidity	7.33	NTU	
HCC-07	WW_96	2007-10-08		Turbidity	12.3	NTU	
HCC-07	WW_96	2006-03-13		Turbidity	63.8	NTU	
HCC-07	WW_96	2006-06-12		Turbidity	14.1	NTU	
HCC-07	WW_96	2008-02-11		Turbidity	5.02	NTU	
HCC-07	WW_96	2009-02-09		Turbidity	29.8	NTU	
HCC-07	WW_96	2007-12-10		Turbidity	14.9	NTU	
HCC-07	WW_96	2009-05-11		Turbidity	5.74	NTU	
HCC-07	WW_96	2006-05-08		Turbidity	7.03	NTU	
HCC-07	WW_96	2009-04-13		Turbidity	3.72	NTU	
HCC-07	WW_96	2008-01-14		Turbidity	6.68	NTU	
HCC-07	WW_96	2006-04-10		Turbidity	8.78	NTU	
HCC-07	WW_96	2009-03-09		Turbidity	75	NTU	
HCC-07	WW_96	2009-06-08		Turbidity	31.6	NTU	
HCC-07	WW_96	2006-12-11		Turbidity	24.9	NTU	
HCC-07	WW_96	2009-12-14		Turbidity	9.74	NTU	
HCC-07	WW_96	2008-12-08		Turbidity	7.33	NTU	
HCC-07	WW_96	2009-11-09		Turbidity	7.06	NTU	
HCC-07	WW_96	2006-01-09		Turbidity	12	NTU	
HCC-07	WW_96	2010-02-08		Turbidity	7.82	NTU	
HCC-07	WW_96	2007-08-13		Turbidity	15.2	NTU	
HCC-07	WW_96	2008-11-10		Turbidity	2.52	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2006-07-10		Turbidity	19.2	NTU	
HCC-07	WW_96	2009-09-14		Turbidity	4.14	NTU	
HCC-07	WW_96	2009-01-12		Turbidity	12.4	NTU	
HCC-07	WW_96	2007-01-08		Turbidity	13.4	NTU	
HCC-07	WW_96	2007-09-10		Turbidity	9.18	NTU	
HCC-07	WW_96	2006-11-13		Turbidity	17.8	NTU	
HCC-07	WW_96	2006-02-14		Turbidity	13.7	NTU	
HCC-07	WW_96	2008-03-10		Turbidity	17.8	NTU	
HCC-07	WW_96	2009-10-12		Turbidity	13.6	NTU	
HCC-07	WW_96	2003-04-14		Turbidity	9.3	NTU	
HCC-07	WW_96	2001-01-16		Turbidity	7	NTU	
HCC-07	WW_96	2002-09-09		Turbidity	11.4	NTU	
HCC-07	WW_96	2003-05-12		Turbidity	28.3	NTU	
HCC-07	WW_96	2003-08-11		Turbidity	14.8	NTU	
HCC-07	WW_96	2003-06-09		Turbidity	16.2	NTU	
HCC-07	WW_96	2002-12-09		Turbidity	7.8	NTU	
HCC-07	WW_96	2003-01-13		Turbidity	6.1	NTU	
HCC-07	WW_96	2001-03-12		Turbidity	11	NTU	
HCC-07	WW_96	2001-02-13		Turbidity	9	NTU	
HCC-07	WW_96	2002-10-14		Turbidity	10.5	NTU	
HCC-07	WW_96	2001-04-09		Turbidity	11	NTU	
HCC-07	WW_96	2002-11-12		Turbidity	6.9	NTU	
HCC-07	WW_96	2003-07-14		Turbidity	16	NTU	
HCC-07	WW_96	2001-08-13		Turbidity	16.9	NTU	
HCC-07	WW_96	2002-02-11		Turbidity	26.2	NTU	
HCC-07	WW_96	2004-03-08		Turbidity	47.2	NTU	
HCC-07	WW_96	2002-01-14		Turbidity	11	NTU	
HCC-07	WW_96	2004-01-12		Turbidity	11.1	NTU	
HCC-07	WW_96	2002-03-11		Turbidity	6.9	NTU	
HCC-07	WW_96	2004-05-10		Turbidity	3.53	NTU	
HCC-07	WW_96	2001-11-13		Turbidity	11.5	NTU	
HCC-07	WW_96	2001-10-08		Turbidity	15	NTU	
HCC-07	WW_96	2004-04-12		Turbidity	10.1	NTU	
HCC-07	WW_96	2001-12-10		Turbidity	12.6	NTU	
HCC-07	WW_96	2001-09-10		Turbidity	18.8	NTU	
HCC-07	WW_96	2003-10-13		Turbidity	13.5	NTU	
HCC-07	WW_96	2002-07-08		Turbidity	9.4	NTU	
HCC-07	WW_96	2002-06-10		Turbidity	11.5	NTU	
HCC-07	WW_96	2002-08-12		Turbidity	12	NTU	
HCC-07	WW_96	2003-09-08		Turbidity	12.8	NTU	
HCC-07	WW_96	2001-05-14		Turbidity	18.4	NTU	
HCC-07	WW_96	2003-12-08		Turbidity	11.5	NTU	
HCC-07	WW_96	2002-04-08		Turbidity	18.3	NTU	
HCC-07	WW_96	2001-07-09		Turbidity	17.3	NTU	
HCC-07	WW_96	2003-11-10		Turbidity	12.5	NTU	
HCC-07	WW_96	2001-06-11		Turbidity	11.2	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCC-07	WW_96	2002-05-13		Turbidity	42.2	NTU	
HCCB-05	HCCB-05	2001-09-18	11:05	Turbidity	55	NTU	
HCCB-05	HCCB-05	2006-09-06	10:05	Turbidity	21	NTU	
HCCB-05	HCCB-05	2006-07-13	12:45	Turbidity	24	NTU	
HCCB-05	HCCB-05	2006-07-21	10:55	Turbidity	34	NTU	
HCCB-05	HCCB-05	2001-07-02	10:15	Turbidity	36	NTU	
HCCB-05	HCCB-05	2006-09-18	11:10	Turbidity	27	NTU	
HCCB-05	HCCB-13	2011-08-17	11:55	Turbidity	7	NTU	
HCCB-05	HCCB-13	2006-06-12	14:50	Turbidity	15	NTU	
HCCB-05	HCCB-13	2011-06-20	13:15	Turbidity	24	NTU	
HCCB-05	HCCB-13	2006-09-18	11:25	Turbidity	27	NTU	
HCCB-05	HCCB-13	2011-09-19	12:30	Turbidity	21	NTU	
HCCB-05	WW_106	2010-12-13		Turbidity	39	NTU	
HCCB-05	WW_106	2012-01-17		Turbidity	32.5	NTU	
HCCB-05	WW_106	2011-12-12		Turbidity	48.9	NTU	
HCCB-05	WW_106	2010-11-08		Turbidity	10.9	NTU	
HCCB-05	WW_106	2010-10-11		Turbidity	4.8	NTU	
HCCB-05	WW_106	2011-11-14		Turbidity	12.2	NTU	
HCCB-05	WW_106	2012-03-12		Turbidity	17.1	NTU	
HCCB-05	WW_106	2012-02-14		Turbidity	31.6	NTU	
HCCB-05	WW_106	2011-06-13		Turbidity	20.2	NTU	
HCCB-05	WW_106	2011-03-14		Turbidity	14.8	NTU	
HCCB-05	WW_106	2011-02-14		Turbidity	19.5	NTU	
HCCB-05	WW_106	2011-07-11		Turbidity	13.9	NTU	
HCCB-05	WW_106	2011-05-09		Turbidity	5.97	NTU	
HCCB-05	WW_106	2011-04-11		Turbidity	10.2	NTU	
HCCB-05	WW_106	2011-01-10		Turbidity	74.9	NTU	
HCCB-05	WW_106	2011-08-08		Turbidity	33.4	NTU	
HCCB-05	WW_106	2002-02-11		Turbidity	26.2	NTU	
HCCB-05	WW_106	2001-04-09		Turbidity	42	NTU	
HCCB-05	WW_106	2004-03-08		Turbidity	25.8	NTU	
HCCB-05	WW_106	2001-09-10		Turbidity	26.5	NTU	
HCCB-05	WW_106	2005-08-08		Turbidity	31.1	NTU	
HCCB-05	WW_106	2004-10-11		Turbidity	54.4	NTU	
HCCB-05	WW_106	2004-04-12		Turbidity	18.4	NTU	
HCCB-05	WW_106	2004-11-08		Turbidity	35.7	NTU	
HCCB-05	WW_106	2001-03-12		Turbidity	13	NTU	
HCCB-05	WW_106	2003-05-12		Turbidity	35.3	NTU	
HCCB-05	WW_106	2004-05-10		Turbidity	23	NTU	
HCCB-05	WW_106	2003-07-14		Turbidity	40.2	NTU	
HCCB-05	WW_106	2004-06-14		Turbidity	33.3	NTU	
HCCB-05	WW_106	2004-01-12		Turbidity	125	NTU	
HCCB-05	WW_106	2002-08-12		Turbidity	9.7	NTU	
HCCB-05	WW_106	2005-03-14		Turbidity	44.8	NTU	
HCCB-05	WW_106	2002-03-11		Turbidity	11.5	NTU	
HCCB-05	WW_106	2002-04-08		Turbidity	12.3	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCB-05	WW_106	2001-06-11		Turbidity	14.4	NTU	
HCCB-05	WW_106	2002-05-13		Turbidity	39.8	NTU	
HCCB-05	WW_106	2003-10-13		Turbidity	21.1	NTU	
HCCB-05	WW_106	2004-02-09		Turbidity	80.6	NTU	
HCCB-05	WW_106	2005-02-14		Turbidity	27.9	NTU	
HCCB-05	WW_106	2001-05-14		Turbidity	27.1	NTU	
HCCB-05	WW_106	2002-06-10		Turbidity	15.7	NTU	
HCCB-05	WW_106	2007-01-08		Turbidity	36.9	NTU	
HCCB-05	WW_106	2006-12-11		Turbidity	31.3	NTU	
HCCB-05	WW_106	2006-03-13		Turbidity	116	NTU	
HCCB-05	WW_106	2007-12-10		Turbidity	45.8	NTU	
HCCB-05	WW_106	2009-05-11		Turbidity	15.4	NTU	
HCCB-05	WW_106	2010-09-13		Turbidity	8.5	NTU	
HCCB-05	WW_106	2008-05-12		Turbidity	30	NTU	
HCCB-05	WW_106	2006-10-09		Turbidity	34.8	NTU	
HCCB-05	WW_106	2009-08-10		Turbidity	11.5	NTU	
HCCB-05	WW_106	2010-03-08		Turbidity	10.2	NTU	
HCCB-05	WW_106	2009-11-09		Turbidity	21.8	NTU	
HCCB-05	WW_106	2008-09-08		Turbidity	29.2	NTU	
HCCB-05	WW_106	2009-12-14		Turbidity	26.4	NTU	
HCCB-05	WW_106	2008-03-10		Turbidity	46.5	NTU	
HCCB-05	WW_106	2006-01-09		Turbidity	14.7	NTU	
HCCB-05	WW_106	2010-02-08		Turbidity	37.7	NTU	
HCCB-05	WW_106	2008-11-10		Turbidity	47.3	NTU	
HCCB-05	WW_106	2010-08-09		Turbidity	28	NTU	
HCCB-05	WW_106	2009-06-08		Turbidity	21.8	NTU	
HCCB-05	WW_106	2008-04-14		Turbidity	19.9	NTU	
HCCB-05	WW_106	2009-03-09		Turbidity	63.1	NTU	
HCCB-05	WW_106	2010-07-12		Turbidity	28.33	NTU	
HCCB-05	WW_106	2008-08-11		Turbidity	37.9	NTU	
HCCB-05	WW_106	2009-01-12		Turbidity	76.8	NTU	
HCCB-05	WW_106	2008-07-14		Turbidity	15.3	NTU	
HCCB-05	WW_106	2005-11-14		Turbidity	16.6	NTU	
HCCB-05	WW_106	2009-09-14		Turbidity	14.1	NTU	
HCCB-05	WW_106	2007-03-12		Turbidity	16.7	NTU	
HCCB-05	WW_106	2008-01-14		Turbidity	15.8	NTU	
HCCB-05	WW_106	2009-02-09		Turbidity	19.4	NTU	
HCCB-05	WW_106	2006-09-11		Turbidity	136	NTU	
HCCB-05	WW_106	2009-04-13		Turbidity	9.93	NTU	
HCCB-05	WW_106	2009-10-12		Turbidity	16.1	NTU	
HCCB-05	WW_106	2010-04-12		Turbidity	20.8	NTU	
HCCB-05	WW_106	2008-10-13		Turbidity	10.6	NTU	
HCCB-05	WW_106	2008-12-08		Turbidity	69.2	NTU	
HCCB-05	WW_106	2007-08-13		Turbidity	16.7	NTU	
HCCB-05	WW_106	2008-06-09		Turbidity	23.4	NTU	
HCCB-05	WW_106	2010-05-10		Turbidity	11.3	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2011-03-03	10:15	Turbidity	13.1	NTU	
HCCC-02	HCCC-02	2011-04-20	10:15	Turbidity	53.5	NTU	
HCCC-02	HCCC-02	2001-02-14	11:15	Turbidity	45	NTU	
HCCC-02	HCCC-02	2001-05-02	11:15	Turbidity	13	NTU	
HCCC-02	HCCC-02	2002-01-30	12:15	Turbidity	52	NTU	
HCCC-02	HCCC-02	2002-07-30	11:30	Turbidity	17	NTU	
HCCC-02	HCCC-02	2002-07-01	12:00	Turbidity	10	NTU	
HCCC-02	HCCC-02	2002-10-29	10:30	Turbidity	9.23	NTU	
HCCC-02	HCCC-02	2002-12-27	10:00	Turbidity	8.12	NTU	
HCCC-02	HCCC-02	2002-05-20	12:15	Turbidity	27	NTU	
HCCC-02	HCCC-02	2011-10-20	11:10	Turbidity	13	NTU	
HCCC-02	HCCC-02	2002-09-17	10:15	Turbidity	17	NTU	
HCCC-02	HCCC-02	2011-12-06	9:00	Turbidity	7.11	NTU	
HCCC-02	HCCC-02	2001-03-19	10:45	Turbidity	53	NTU	
HCCC-02	HCCC-02	2011-07-21	8:30	Turbidity	14	NTU	
HCCC-02	HCCC-02	2011-06-28	12:30	Turbidity	8.17	NTU	
HCCC-02	HCCC-02	2011-09-12	8:50	Turbidity	7.3	NTU	
HCCC-02	HCCC-02	2001-06-05	11:00	Turbidity	79	NTU	
HCCC-02	HCCC-02	2001-11-08	10:45	Turbidity	30	NTU	
HCCC-02	HCCC-02	2002-03-22	12:00	Turbidity	17	NTU	
HCCC-02	HCCC-02	2001-12-19	11:30	Turbidity	27	NTU	
HCCC-02	HCCC-02	2011-06-02	11:20	Turbidity	18.8	NTU	
HCCC-02	HCCC-02	2003-06-04	11:30	Turbidity	20.4	NTU	
HCCC-02	HCCC-02	2003-07-16	12:15	Turbidity	24.8	NTU	
HCCC-02	HCCC-02	2003-04-30	11:45	Turbidity	21.8	NTU	
HCCC-02	HCCC-02	2003-09-23	11:30	Turbidity	12.3	NTU	
HCCC-02	HCCC-02	2003-08-21	11:00	Turbidity	15.9	NTU	
HCCC-02	HCCC-02	2005-06-06	11:30	Turbidity	25.2	NTU	
HCCC-02	HCCC-02	2005-04-05	11:45	Turbidity	18.4	NTU	
HCCC-02	HCCC-02	2005-05-03	11:30	Turbidity	20.9	NTU	
HCCC-02	HCCC-02	2005-11-17	9:30	Turbidity	33.9	NTU	
HCCC-02	HCCC-02	2005-01-11	10:30	Turbidity	21.8	NTU	
HCCC-02	HCCC-02	2003-03-10	12:55	Turbidity	13	NTU	
HCCC-02	HCCC-02	2005-08-08	11:45	Turbidity	43.8	NTU	
HCCC-02	HCCC-02	2005-10-20	11:45	Turbidity	27	NTU	
HCCC-02	HCCC-02	2003-11-06	10:45	Turbidity	42.8	NTU	
HCCC-02	HCCC-02	2005-09-07	10:00	Turbidity	10.8	NTU	
HCCC-02	HCCC-02	1999-04-01	9:15	Turbidity	8.8	NTU	
HCCC-02	HCCC-02	2004-10-26	10:30	Turbidity	23.5	NTU	
HCCC-02	HCCC-02	1999-03-05	9:45	Turbidity	9.7	NTU	
HCCC-02	HCCC-02	2004-11-23	10:45	Turbidity	33.6	NTU	
HCCC-02	HCCC-02	1999-06-22	10:30	Turbidity	29	NTU	
HCCC-02	HCCC-02	1999-05-18	10:20	Turbidity	20	NTU	
HCCC-02	HCCC-02	1999-08-24	14:25	Turbidity	80	NTU	
HCCC-02	HCCC-02	2004-04-12	12:00	Turbidity	20.9	NTU	
HCCC-02	HCCC-02	2004-03-10	12:00	Turbidity	34.9	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2003-12-22	10:45	Turbidity	17.2	NTU	
HCCC-02	HCCC-02	2004-08-04	11:15	Turbidity	39.2	NTU	
HCCC-02	HCCC-02	2004-09-14	11:00	Turbidity	16.2	NTU	
HCCC-02	HCCC-02	2004-05-13	11:30	Turbidity	36.1	NTU	
HCCC-02	HCCC-02	2004-06-21	11:00	Turbidity	40.2	NTU	
HCCC-02	HCCC-02	2006-07-21	9:50	Turbidity	18	NTU	
HCCC-02	HCCC-02	2006-11-06	9:40	Turbidity	16.4	NTU	
HCCC-02	HCCC-02	2006-07-13	11:00	Turbidity	8.1	NTU	
HCCC-02	HCCC-02	2006-09-18	10:15	Turbidity	19	NTU	
HCCC-02	HCCC-02	2006-09-28	9:00	Turbidity	15	NTU	
HCCC-02	HCCC-02	2006-09-06	10:55	Turbidity	15	NTU	
HCCC-02	HCCC-02	2006-04-05	9:16	Turbidity	29	NTU	
HCCC-02	HCCC-02	2006-01-24	8:30	Turbidity	26	NTU	
HCCC-02	HCCC-02	2006-03-07	9:20	Turbidity	14	NTU	
HCCC-02	HCCC-02	2006-05-25	9:55	Turbidity	24	NTU	
HCCC-02	HCCC-02	2007-07-24	9:20	Turbidity	35	NTU	
HCCC-02	HCCC-02	2007-09-19	9:10	Turbidity	28	NTU	
HCCC-02	HCCC-02	2006-11-29	11:00	Turbidity	136	NTU	
HCCC-02	HCCC-02	2007-01-11	11:55	Turbidity	26	NTU	
HCCC-02	HCCC-02	2007-06-07	9:20	Turbidity	15.48	NTU	
HCCC-02	HCCC-02	2007-02-28	9:00	Turbidity	16	NTU	
HCCC-02	HCCC-02	2007-04-18	8:50	Turbidity	11	NTU	
HCCC-02	HCCC-02	2007-05-24	8:40	Turbidity	24.9	NTU	
HCCC-02	HCCC-02	2005-03-03	10:00	Turbidity	9.12	NTU	
HCCC-02	HCCC-02	2009-11-05	10:15	Turbidity	16.8	NTU	
HCCC-02	HCCC-02	2009-12-08	11:00	Turbidity	37	NTU	
HCCC-02	HCCC-02	2009-09-15	10:15	Turbidity	26.6	NTU	
HCCC-02	HCCC-02	2009-06-29	9:00	Turbidity	22.7	NTU	
HCCC-02	HCCC-02	2010-08-05	10:00	Turbidity	19.8	NTU	
HCCC-02	HCCC-02	2009-08-06	9:50	Turbidity	21	NTU	
HCCC-02	HCCC-02	2010-05-26	10:58	Turbidity	16.4	NTU	
HCCC-02	HCCC-02	2010-07-01	11:20	Turbidity	19.6	NTU	
HCCC-02	HCCC-02	2010-03-12	11:00	Turbidity	33.3	NTU	
HCCC-02	HCCC-02	2010-01-25	11:35	Turbidity	34	NTU	
HCCC-02	HCCC-02	2010-04-14	12:45	Turbidity	6.96	NTU	
HCCC-02	HCCC-02	2012-06-25	9:30	Turbidity	5.72	NTU	
HCCC-02	HCCC-02	2012-10-29	11:55	Turbidity	22.9	NTU	
HCCC-02	HCCC-02	2012-12-17	9:45	Turbidity	8.97	NTU	
HCCC-02	HCCC-02	2012-09-17	10:05	Turbidity	13.7	NTU	
HCCC-02	HCCC-02	2012-07-24	9:35	Turbidity	19.3	NTU	
HCCC-02	HCCC-02	2013-05-20	12:00	Turbidity	12.7	NTU	
HCCC-02	HCCC-02	2013-04-16	10:00	Turbidity	22	NTU	
HCCC-02	HCCC-02	2013-03-14	9:30	Turbidity	32.2	NTU	
HCCC-02	HCCC-02	2013-01-30	9:00	Turbidity	110	NTU	
HCCC-02	HCCC-02	2012-05-29	9:00	Turbidity	3.11	NTU	
HCCC-02	HCCC-02	2012-04-16	10:00	Turbidity	50.3	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	HCCC-02	2013-07-01	9:15	Turbidity	6.3	NTU	
HCCC-02	HCCC-02	2012-03-13	9:00	Turbidity	6.49	NTU	
HCCC-02	HCCC-02	2012-01-26	9:00	Turbidity	9.75	NTU	
HCCC-02	HCCC-02	2009-04-27	11:00	Turbidity	95	NTU	
HCCC-02	HCCC-02	2009-03-23	9:50	Turbidity	16	NTU	
HCCC-02	HCCC-02	2009-05-28	10:30	Turbidity	32.6	NTU	
HCCC-02	HCCC-02	2013-10-29	12:50	Turbidity	13	NTU	
HCCC-02	HCCC-02	2013-09-26	8:40	Turbidity	11	NTU	
HCCC-02	HCCC-02	2013-08-05	9:55	Turbidity	8.12	NTU	
HCCC-02	HCCC-02	2009-03-05	9:55	Turbidity	31	NTU	
HCCC-02	HCCC-02	2000-04-13	11:50	Turbidity	8.5	NTU	
HCCC-02	HCCC-02	2000-01-24	10:13	Turbidity	3.2	NTU	
HCCC-02	HCCC-02	2001-09-18	12:50	Turbidity	27	NTU	
HCCC-02	HCCC-02	2000-03-01	11:30	Turbidity	9.7	NTU	
HCCC-02	HCCC-02	2000-09-28	11:45	Turbidity	14.8	NTU	
HCCC-02	HCCC-02	2000-08-10	11:30	Turbidity	12.3	NTU	
HCCC-02	HCCC-02	2000-05-18	12:00	Turbidity	19	NTU	
HCCC-02	HCCC-02	2008-08-20	10:30	Turbidity	29	NTU	
HCCC-02	HCCC-02	2008-09-24	10:15	Turbidity	21	NTU	
HCCC-02	HCCC-02	2008-12-08	9:55	Turbidity	4.3	NTU	
HCCC-02	HCCC-02	2010-09-16	10:15	Turbidity	45.1	NTU	
HCCC-02	HCCC-02	2008-06-17	9:05	Turbidity	31.1	NTU	
HCCC-02	HCCC-02	2010-11-09	10:35	Turbidity	6.57	NTU	
HCCC-02	HCCC-02	2008-05-20	9:20	Turbidity	19	NTU	
HCCC-02	HCCC-02	1999-09-30	11:00	Turbidity	64	NTU	
HCCC-02	HCCC-02	1999-12-16	11:30	Turbidity	7.5	NTU	
HCCC-02	HCCC-02	2001-08-01	10:00	Turbidity	24	NTU	
HCCC-02	HCCC-02	1999-11-03	11:15	Turbidity	18	NTU	
HCCC-02	HCCC-06	2006-09-18	10:35	Turbidity	21	NTU	
HCCC-02	HCCC-06	2006-07-26	13:50	Turbidity	13	NTU	
HCCC-02	HCCC-06	2011-06-20	12:15	Turbidity	15	NTU	
HCCC-02	HCCC-06	2011-09-19	11:45	Turbidity	14	NTU	
HCCC-02	HCCC-06	2011-08-17	9:10	Turbidity	11	NTU	
HCCC-02	WW_31	2011-11-14		Turbidity	7.27	NTU	
HCCC-02	WW_31	2011-04-11		Turbidity	6.84	NTU	
HCCC-02	WW_31	2011-06-13		Turbidity	10.2	NTU	
HCCC-02	WW_31	2011-07-11		Turbidity	8.94	NTU	
HCCC-02	WW_31	2010-11-08		Turbidity	4.13	NTU	
HCCC-02	WW_31	2011-05-09		Turbidity	9.18	NTU	
HCCC-02	WW_31	2011-03-14		Turbidity	7.03	NTU	
HCCC-02	WW_31	2010-10-11		Turbidity	3.3	NTU	
HCCC-02	WW_31	2011-08-08		Turbidity	30.2	NTU	
HCCC-02	WW_31	2011-10-10		Turbidity	4.59	NTU	
HCCC-02	WW_31	2011-12-12		Turbidity	5.27	NTU	
HCCC-02	WW_31	2012-03-12		Turbidity	4.88	NTU	
HCCC-02	WW_31	2005-04-11		Turbidity	13.9	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2005-08-08		Turbidity	4.77	NTU	
HCCC-02	WW_31	2005-09-12		Turbidity	8.32	NTU	
HCCC-02	WW_31	2005-06-13		Turbidity	4.31	NTU	
HCCC-02	WW_31	2005-07-11		Turbidity	6.5	NTU	
HCCC-02	WW_31	2005-05-09		Turbidity	11.3	NTU	
HCCC-02	WW_31	2005-03-14		Turbidity	12.3	NTU	
HCCC-02	WW_31	2004-12-13		Turbidity	29.3	NTU	
HCCC-02	WW_31	2005-02-14		Turbidity	75.8	NTU	
HCCC-02	WW_31	2004-09-13		Turbidity	18.3	NTU	
HCCC-02	WW_31	2004-11-08		Turbidity	15.3	NTU	
HCCC-02	WW_31	2004-06-14		Turbidity	29.5	NTU	
HCCC-02	WW_31	2004-10-11		Turbidity	24.1	NTU	
HCCC-02	WW_31	2004-08-09		Turbidity	20.4	NTU	
HCCC-02	WW_31	2006-12-11		Turbidity	16	NTU	
HCCC-02	WW_31	2009-11-09		Turbidity	7.76	NTU	
HCCC-02	WW_31	2007-04-09		Turbidity	8.95	NTU	
HCCC-02	WW_31	2010-09-13		Turbidity	8	NTU	
HCCC-02	WW_31	2009-10-12		Turbidity	8.68	NTU	
HCCC-02	WW_31	2007-06-11		Turbidity	11.1	NTU	
HCCC-02	WW_31	2007-08-13		Turbidity	23.6	NTU	
HCCC-02	WW_31	2010-05-10		Turbidity	8.32	NTU	
HCCC-02	WW_31	2010-04-12		Turbidity	3.88	NTU	
HCCC-02	WW_31	2005-11-14		Turbidity	17.3	NTU	
HCCC-02	WW_31	2010-06-14		Turbidity	16.5	NTU	
HCCC-02	WW_31	2007-03-12		Turbidity	29.5	NTU	
HCCC-02	WW_31	2010-07-12		Turbidity	29.54	NTU	
HCCC-02	WW_31	2007-07-09		Turbidity	10.2	NTU	
HCCC-02	WW_31	2005-10-10		Turbidity	12.8	NTU	
HCCC-02	WW_31	2010-08-09		Turbidity	31.9	NTU	
HCCC-02	WW_31	2007-11-13		Turbidity	6.21	NTU	
HCCC-02	WW_31	2009-12-14		Turbidity	9	NTU	
HCCC-02	WW_31	2007-05-14		Turbidity	12.9	NTU	
HCCC-02	WW_31	2010-03-08		Turbidity	8.42	NTU	
HCCC-02	WW_31	2007-10-08		Turbidity	6.17	NTU	
HCCC-02	WW_31	2007-09-10		Turbidity	15	NTU	
HCCC-02	WW_31	2006-01-09		Turbidity	27.8	NTU	
HCCC-02	WW_31	2007-01-08		Turbidity	25	NTU	
HCCC-02	WW_31	2006-10-09		Turbidity	17	NTU	
HCCC-02	WW_31	2009-07-13		Turbidity	11.3	NTU	
HCCC-02	WW_31	2008-08-11		Turbidity	16.2	NTU	
HCCC-02	WW_31	2009-05-11		Turbidity	9.23	NTU	
HCCC-02	WW_31	2008-03-10		Turbidity	16.6	NTU	
HCCC-02	WW_31	2009-03-09		Turbidity	81.9	NTU	
HCCC-02	WW_31	2008-11-10		Turbidity	7.27	NTU	
HCCC-02	WW_31	2006-07-10		Turbidity	9.86	NTU	
HCCC-02	WW_31	2008-05-12		Turbidity	8.62	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2006-06-12		Turbidity	7.74	NTU	
HCCC-02	WW_31	2008-04-14		Turbidity	22.1	NTU	
HCCC-02	WW_31	2009-06-08		Turbidity	25.5	NTU	
HCCC-02	WW_31	2008-07-14		Turbidity	20.6	NTU	
HCCC-02	WW_31	2006-09-11		Turbidity	76.1	NTU	
HCCC-02	WW_31	2006-04-10		Turbidity	10.1	NTU	
HCCC-02	WW_31	2006-08-14		Turbidity	7.25	NTU	
HCCC-02	WW_31	2006-05-08		Turbidity	9.78	NTU	
HCCC-02	WW_31	2008-06-09		Turbidity	49.1	NTU	
HCCC-02	WW_31	2009-09-14		Turbidity	16.2	NTU	
HCCC-02	WW_31	2008-01-14		Turbidity	8.32	NTU	
HCCC-02	WW_31	2009-04-13		Turbidity	5.83	NTU	
HCCC-02	WW_31	2008-10-13		Turbidity	9.3	NTU	
HCCC-02	WW_31	2008-09-08		Turbidity	25.2	NTU	
HCCC-02	WW_31	2006-11-13		Turbidity	14.9	NTU	
HCCC-02	WW_31	2009-08-10		Turbidity	7.84	NTU	
HCCC-02	WW_31	2006-03-13		Turbidity	312	NTU	
HCCC-02	WW_31	2002-06-10		Turbidity	16.5	NTU	
HCCC-02	WW_31	2001-03-12		Turbidity	21	NTU	
HCCC-02	WW_31	2001-12-10		Turbidity	43.6	NTU	
HCCC-02	WW_31	2001-11-13		Turbidity	22.3	NTU	
HCCC-02	WW_31	2002-05-13		Turbidity	43.9	NTU	
HCCC-02	WW_31	2001-07-09		Turbidity	27.6	NTU	
HCCC-02	WW_31	2001-02-13		Turbidity	22	NTU	
HCCC-02	WW_31	2002-04-08		Turbidity	12.2	NTU	
HCCC-02	WW_31	2003-04-14		Turbidity	6.8	NTU	
HCCC-02	WW_31	2002-10-14		Turbidity	6.9	NTU	
HCCC-02	WW_31	2002-02-11		Turbidity	15.7	NTU	
HCCC-02	WW_31	2002-08-12		Turbidity	25.3	NTU	
HCCC-02	WW_31	2001-04-09		Turbidity	17	NTU	
HCCC-02	WW_31	2002-09-09		Turbidity	11.3	NTU	
HCCC-02	WW_31	2001-05-14		Turbidity	20.2	NTU	
HCCC-02	WW_31	2001-09-10		Turbidity	22.8	NTU	
HCCC-02	WW_31	2002-07-08		Turbidity	8.4	NTU	
HCCC-02	WW_31	2001-08-13		Turbidity	14.9	NTU	
HCCC-02	WW_31	2001-06-11		Turbidity	16.6	NTU	
HCCC-02	WW_31	2001-10-08		Turbidity	17.5	NTU	
HCCC-02	WW_31	2002-03-11		Turbidity	15	NTU	
HCCC-02	WW_31	2002-11-12		Turbidity	11.2	NTU	
HCCC-02	WW_31	2003-11-10		Turbidity	16.2	NTU	
HCCC-02	WW_31	2003-07-14		Turbidity	9.1	NTU	
HCCC-02	WW_31	2003-09-08		Turbidity	8.6	NTU	
HCCC-02	WW_31	2003-06-09		Turbidity	12.1	NTU	
HCCC-02	WW_31	2004-03-08		Turbidity	39.2	NTU	
HCCC-02	WW_31	2003-10-13		Turbidity	9.1	NTU	
HCCC-02	WW_31	2004-05-10		Turbidity	15.6	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-02	WW_31	2004-04-12		Turbidity	16	NTU	
HCCC-02	WW_31	2003-12-08		Turbidity	15.5	NTU	
HCCC-02	WW_31	2003-08-11		Turbidity	12.5	NTU	
HCCC-02	WW_31	2003-05-12		Turbidity	28.3	NTU	
HCCC-04	HCCC-04	2006-06-13	9:45	Turbidity	28	NTU	
HCCC-04	HCCC-04	2006-09-18	13:35	Turbidity	23	NTU	
HCCC-04	HCCC-04	2006-07-24	11:30	Turbidity	55	NTU	
HCCC-04	HCCC-04	2001-08-01	14:15	Turbidity	14	NTU	
HCCC-04	HCCC-04	2001-09-27	12:35	Turbidity	30	NTU	
HCCC-04	HCCC-04	2001-07-02	12:15	Turbidity	21	NTU	
HCCC-04	HCCC-08	2011-09-20	9:25	Turbidity	17	NTU	
HCCC-04	HCCC-08	2011-08-18	10:45	Turbidity	22	NTU	
HCCC-04	HCCC-08	2011-06-21	9:20	Turbidity	22	NTU	
HCCC-04	WW_103	2011-04-11		Turbidity	7.02	NTU	
HCCC-04	WW_103	2011-12-12		Turbidity	12.6	NTU	
HCCC-04	WW_103	2011-05-09		Turbidity	6.31	NTU	
HCCC-04	WW_103	2012-01-17		Turbidity	31.7	NTU	
HCCC-04	WW_103	2011-11-14		Turbidity	12.3	NTU	
HCCC-04	WW_103	2011-07-11		Turbidity	10.1	NTU	
HCCC-04	WW_103	2012-03-12		Turbidity	11.6	NTU	
HCCC-04	WW_103	2011-08-08		Turbidity	41.9	NTU	
HCCC-04	WW_103	2011-09-12		Turbidity	12.7	NTU	
HCCC-04	WW_103	2011-10-10		Turbidity	11.6	NTU	
HCCC-04	WW_103	2011-06-13		Turbidity	11.4	NTU	
HCCC-04	WW_103	2012-02-14		Turbidity	11.1	NTU	
HCCC-04	WW_103	2010-10-11		Turbidity	10	NTU	
HCCC-04	WW_103	2011-03-14		Turbidity	12.4	NTU	
HCCC-04	WW_103	2011-02-14		Turbidity	17.5	NTU	
HCCC-04	WW_103	2010-11-08		Turbidity	6.52	NTU	
HCCC-04	WW_103	2001-07-09		Turbidity	19.7	NTU	
HCCC-04	WW_103	2003-12-08		Turbidity	23.1	NTU	
HCCC-04	WW_103	2002-04-08		Turbidity	16.4	NTU	
HCCC-04	WW_103	2002-06-10		Turbidity	27.8	NTU	
HCCC-04	WW_103	2001-06-11		Turbidity	10.6	NTU	
HCCC-04	WW_103	2002-07-08		Turbidity	8.2	NTU	
HCCC-04	WW_103	2005-06-13		Turbidity	3.53	NTU	
HCCC-04	WW_103	2004-08-09		Turbidity	8.58	NTU	
HCCC-04	WW_103	2002-05-13		Turbidity	39.1	NTU	
HCCC-04	WW_103	2003-11-10		Turbidity	11.1	NTU	
HCCC-04	WW_103	2001-10-08		Turbidity	23.2	NTU	
HCCC-04	WW_103	2004-04-12		Turbidity	14.2	NTU	
HCCC-04	WW_103	2002-01-14		Turbidity	20.5	NTU	
HCCC-04	WW_103	2001-11-13		Turbidity	31.8	NTU	
HCCC-04	WW_103	2004-05-10		Turbidity	7.47	NTU	
HCCC-04	WW_103	2001-12-10		Turbidity	10.5	NTU	
HCCC-04	WW_103	2005-02-14		Turbidity	66.5	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2001-08-13		Turbidity	11.1	NTU	
HCCC-04	WW_103	2002-03-11		Turbidity	23.3	NTU	
HCCC-04	WW_103	2005-01-10		Turbidity	40.9	NTU	
HCCC-04	WW_103	2004-03-08		Turbidity	49.8	NTU	
HCCC-04	WW_103	2005-07-11		Turbidity	8.62	NTU	
HCCC-04	WW_103	2004-06-14		Turbidity	22.3	NTU	
HCCC-04	WW_103	2002-02-11		Turbidity	25.6	NTU	
HCCC-04	WW_103	2001-09-10		Turbidity	21.3	NTU	
HCCC-04	WW_103	2003-07-14		Turbidity	11.5	NTU	
HCCC-04	WW_103	2005-05-09		Turbidity	13.6	NTU	
HCCC-04	WW_103	2002-11-12		Turbidity	15.7	NTU	
HCCC-04	WW_103	2003-08-11		Turbidity	9.8	NTU	
HCCC-04	WW_103	2004-12-13		Turbidity	26.1	NTU	
HCCC-04	WW_103	2004-10-11		Turbidity	25.5	NTU	
HCCC-04	WW_103	2005-09-12		Turbidity	7.42	NTU	
HCCC-04	WW_103	2002-10-14		Turbidity	26.2	NTU	
HCCC-04	WW_103	2001-04-09		Turbidity	28	NTU	
HCCC-04	WW_103	2003-04-14		Turbidity	12.2	NTU	
HCCC-04	WW_103	2003-05-12		Turbidity	28	NTU	
HCCC-04	WW_103	2005-04-11		Turbidity	23.1	NTU	
HCCC-04	WW_103	2003-06-09		Turbidity	18	NTU	
HCCC-04	WW_103	2001-03-12		Turbidity	14	NTU	
HCCC-04	WW_103	2004-11-08		Turbidity	21.9	NTU	
HCCC-04	WW_103	2003-09-08		Turbidity	21.5	NTU	
HCCC-04	WW_103	2002-08-12		Turbidity	13.1	NTU	
HCCC-04	WW_103	2004-09-13		Turbidity	8.28	NTU	
HCCC-04	WW_103	2002-09-09		Turbidity	12	NTU	
HCCC-04	WW_103	2001-05-14		Turbidity	14.8	NTU	
HCCC-04	WW_103	2005-03-14		Turbidity	23.2	NTU	
HCCC-04	WW_103	2008-06-09		Turbidity	39.4	NTU	
HCCC-04	WW_103	2008-03-10		Turbidity	26.3	NTU	
HCCC-04	WW_103	2008-11-10		Turbidity	13.5	NTU	
HCCC-04	WW_103	2006-05-08		Turbidity	12.7	NTU	
HCCC-04	WW_103	2009-04-13		Turbidity	13.1	NTU	
HCCC-04	WW_103	2008-10-13		Turbidity	13.1	NTU	
HCCC-04	WW_103	2006-11-13		Turbidity	18.1	NTU	
HCCC-04	WW_103	2009-08-10		Turbidity	3.72	NTU	
HCCC-04	WW_103	2006-03-13		Turbidity	125	NTU	
HCCC-04	WW_103	2008-09-08		Turbidity	18.2	NTU	
HCCC-04	WW_103	2006-08-14		Turbidity	6.61	NTU	
HCCC-04	WW_103	2006-04-10		Turbidity	15.7	NTU	
HCCC-04	WW_103	2008-04-14		Turbidity	19.6	NTU	
HCCC-04	WW_103	2009-06-08		Turbidity	41.2	NTU	
HCCC-04	WW_103	2009-02-09		Turbidity	24.3	NTU	
HCCC-04	WW_103	2008-07-14		Turbidity	16.6	NTU	
HCCC-04	WW_103	2006-09-11		Turbidity	70.2	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_103	2006-06-12		Turbidity	10.8	NTU	
HCCC-04	WW_103	2008-05-12		Turbidity	25.2	NTU	
HCCC-04	WW_103	2009-07-13		Turbidity	2.96	NTU	
HCCC-04	WW_103	2006-07-10		Turbidity	7.72	NTU	
HCCC-04	WW_103	2008-08-11		Turbidity	5	NTU	
HCCC-04	WW_103	2009-05-11		Turbidity	7.27	NTU	
HCCC-04	WW_103	2009-03-09		Turbidity	79.2	NTU	
HCCC-04	WW_103	2006-10-09		Turbidity	41.5	NTU	
HCCC-04	WW_103	2007-08-13		Turbidity	14.4	NTU	
HCCC-04	WW_103	2010-07-12		Turbidity	33.17	NTU	
HCCC-04	WW_103	2006-01-09		Turbidity	21.4	NTU	
HCCC-04	WW_103	2006-02-14		Turbidity	24.7	NTU	
HCCC-04	WW_103	2007-10-08		Turbidity	6.92	NTU	
HCCC-04	WW_103	2007-06-11		Turbidity	6.72	NTU	
HCCC-04	WW_103	2006-12-11		Turbidity	31.6	NTU	
HCCC-04	WW_103	2009-10-12		Turbidity	46.8	NTU	
HCCC-04	WW_103	2007-12-10		Turbidity	14.8	NTU	
HCCC-04	WW_103	2010-05-10		Turbidity	8.44	NTU	
HCCC-04	WW_103	2009-12-14		Turbidity	29.8	NTU	
HCCC-04	WW_103	2010-02-08		Turbidity	27.2	NTU	
HCCC-04	WW_103	2009-11-09		Turbidity	10.7	NTU	
HCCC-04	WW_103	2007-03-12		Turbidity	36.9	NTU	
HCCC-04	WW_103	2005-11-14		Turbidity	34.7	NTU	
HCCC-04	WW_103	2007-11-13		Turbidity	16.1	NTU	
HCCC-04	WW_103	2007-07-09		Turbidity	6.55	NTU	
HCCC-04	WW_103	2010-06-14		Turbidity	6.5	NTU	
HCCC-04	WW_103	2007-05-14		Turbidity	11.9	NTU	
HCCC-04	WW_103	2008-01-14		Turbidity	7.41	NTU	
HCCC-04	WW_103	2009-09-14		Turbidity	6.4	NTU	
HCCC-04	WW_103	2007-01-08		Turbidity	17.9	NTU	
HCCC-04	WW_103	2010-03-08		Turbidity	10.1	NTU	
HCCC-04	WW_103	2007-09-10		Turbidity	13.9	NTU	
HCCC-04	WW_103	2010-09-13		Turbidity	19.5	NTU	
HCCC-04	WW_103	2007-04-09		Turbidity	8.51	NTU	
HCCC-04	WW_103	2005-10-10		Turbidity	34.2	NTU	
HCCC-04	WW_103	2010-04-12		Turbidity	10.4	NTU	
HCCC-04	WW_103	2010-08-09		Turbidity	8.3	NTU	
HCCC-04	WW_104	2010-11-08		Turbidity	8.91	NTU	
HCCC-04	WW_104	2011-03-14		Turbidity	11.3	NTU	
HCCC-04	WW_104	2011-10-10		Turbidity	7.12	NTU	
HCCC-04	WW_104	2012-02-14		Turbidity	7.04	NTU	
HCCC-04	WW_104	2011-06-13		Turbidity	10.7	NTU	
HCCC-04	WW_104	2011-01-10		Turbidity	12.8	NTU	
HCCC-04	WW_104	2010-12-13		Turbidity	8.6	NTU	
HCCC-04	WW_104	2011-08-08		Turbidity	31	NTU	
HCCC-04	WW_104	2011-02-14		Turbidity	22.7	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2011-07-11		Turbidity	40.3	NTU	
HCCC-04	WW_104	2011-09-12		Turbidity	9.22	NTU	
HCCC-04	WW_104	2012-03-12		Turbidity	6.57	NTU	
HCCC-04	WW_104	2011-11-14		Turbidity	9.72	NTU	
HCCC-04	WW_104	2010-10-11		Turbidity	3.4	NTU	
HCCC-04	WW_104	2011-05-09		Turbidity	7.09	NTU	
HCCC-04	WW_104	2011-12-12		Turbidity	8.24	NTU	
HCCC-04	WW_104	2012-01-17		Turbidity	30.4	NTU	
HCCC-04	WW_104	2011-04-11		Turbidity	7.27	NTU	
HCCC-04	WW_104	2002-01-14		Turbidity	10.6	NTU	
HCCC-04	WW_104	2003-05-12		Turbidity	13.6	NTU	
HCCC-04	WW_104	2005-06-13		Turbidity	14.8	NTU	
HCCC-04	WW_104	2005-04-11		Turbidity	13.3	NTU	
HCCC-04	WW_104	2004-04-12		Turbidity	10.7	NTU	
HCCC-04	WW_104	2001-12-10		Turbidity	10.9	NTU	
HCCC-04	WW_104	2003-04-14		Turbidity	9.2	NTU	
HCCC-04	WW_104	2002-08-12		Turbidity	23.2	NTU	
HCCC-04	WW_104	2004-01-12		Turbidity	14.5	NTU	
HCCC-04	WW_104	2005-02-14		Turbidity	52.3	NTU	
HCCC-04	WW_104	2002-03-11		Turbidity	16.5	NTU	
HCCC-04	WW_104	2003-08-11		Turbidity	21.4	NTU	
HCCC-04	WW_104	2002-04-08		Turbidity	11.8	NTU	
HCCC-04	WW_104	2002-10-14		Turbidity	11.2	NTU	
HCCC-04	WW_104	2002-05-13		Turbidity	23.5	NTU	
HCCC-04	WW_104	2004-03-08		Turbidity	32	NTU	
HCCC-04	WW_104	2002-02-11		Turbidity	13.5	NTU	
HCCC-04	WW_104	2005-03-14		Turbidity	11.4	NTU	
HCCC-04	WW_104	2005-07-11		Turbidity	16.9	NTU	
HCCC-04	WW_104	2002-09-09		Turbidity	16	NTU	
HCCC-04	WW_104	2004-02-09		Turbidity	21.2	NTU	
HCCC-04	WW_104	2002-11-12		Turbidity	11.6	NTU	
HCCC-04	WW_104	2005-05-09		Turbidity	10.6	NTU	
HCCC-04	WW_104	2005-09-12		Turbidity	9.88	NTU	
HCCC-04	WW_104	2004-10-11		Turbidity	18.5	NTU	
HCCC-04	WW_104	2001-06-11		Turbidity	12.1	NTU	
HCCC-04	WW_104	2001-09-10		Turbidity	22.7	NTU	
HCCC-04	WW_104	2005-08-08		Turbidity	7	NTU	
HCCC-04	WW_104	2001-10-08		Turbidity	15.4	NTU	
HCCC-04	WW_104	2001-04-09		Turbidity	11	NTU	
HCCC-04	WW_104	2004-12-13		Turbidity	17.7	NTU	
HCCC-04	WW_104	2005-01-10		Turbidity	12.3	NTU	
HCCC-04	WW_104	2001-08-13		Turbidity	16.6	NTU	
HCCC-04	WW_104	2004-09-13		Turbidity	23.4	NTU	
HCCC-04	WW_104	2004-06-14		Turbidity	16.7	NTU	
HCCC-04	WW_104	2001-05-14		Turbidity	11.9	NTU	
HCCC-04	WW_104	2004-08-09		Turbidity	19.2	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2004-05-10		Turbidity	12.9	NTU	
HCCC-04	WW_104	2001-07-09		Turbidity	16.9	NTU	
HCCC-04	WW_104	2004-11-08		Turbidity	13.5	NTU	
HCCC-04	WW_104	2001-11-13		Turbidity	11.4	NTU	
HCCC-04	WW_104	2001-03-12		Turbidity	12	NTU	
HCCC-04	WW_104	2006-06-12		Turbidity	17.4	NTU	
HCCC-04	WW_104	2010-04-12		Turbidity	6.86	NTU	
HCCC-04	WW_104	2010-05-10		Turbidity	5.42	NTU	
HCCC-04	WW_104	2005-12-12		Turbidity	11.5	NTU	
HCCC-04	WW_104	2008-07-14		Turbidity	18.8	NTU	
HCCC-04	WW_104	2007-08-13		Turbidity	11.3	NTU	
HCCC-04	WW_104	2009-02-09		Turbidity	15	NTU	
HCCC-04	WW_104	2006-09-11		Turbidity	101	NTU	
HCCC-04	WW_104	2009-03-09		Turbidity	49.6	NTU	
HCCC-04	WW_104	2005-10-10		Turbidity	8.59	NTU	
HCCC-04	WW_104	2008-09-08		Turbidity	41.3	NTU	
HCCC-04	WW_104	2010-08-09		Turbidity	8.6	NTU	
HCCC-04	WW_104	2007-05-14		Turbidity	10.2	NTU	
HCCC-04	WW_104	2008-11-10		Turbidity	5.13	NTU	
HCCC-04	WW_104	2010-09-13		Turbidity	4.8	NTU	
HCCC-04	WW_104	2008-10-13		Turbidity	9.33	NTU	
HCCC-04	WW_104	2007-04-09		Turbidity	8.75	NTU	
HCCC-04	WW_104	2006-08-14		Turbidity	17.6	NTU	
HCCC-04	WW_104	2005-11-14		Turbidity	13.8	NTU	
HCCC-04	WW_104	2009-01-12		Turbidity	12.9	NTU	
HCCC-04	WW_104	2007-07-09		Turbidity	6	NTU	
HCCC-04	WW_104	2007-03-12		Turbidity	24.9	NTU	
HCCC-04	WW_104	2007-06-11		Turbidity	14.3	NTU	
HCCC-04	WW_104	2006-07-10		Turbidity	24.3	NTU	
HCCC-04	WW_104	2008-08-11		Turbidity	23.4	NTU	
HCCC-04	WW_104	2008-12-08		Turbidity	11.6	NTU	
HCCC-04	WW_104	2006-04-10		Turbidity	12	NTU	
HCCC-04	WW_104	2009-06-08		Turbidity	38.9	NTU	
HCCC-04	WW_104	2008-04-14		Turbidity	17.3	NTU	
HCCC-04	WW_104	2006-12-11		Turbidity	13.6	NTU	
HCCC-04	WW_104	2006-02-14		Turbidity	7.47	NTU	
HCCC-04	WW_104	2009-10-12		Turbidity	8.81	NTU	
HCCC-04	WW_104	2009-05-11		Turbidity	5.3	NTU	
HCCC-04	WW_104	2007-12-10		Turbidity	24.7	NTU	
HCCC-04	WW_104	2007-11-13		Turbidity	14.4	NTU	
HCCC-04	WW_104	2009-11-09		Turbidity	7.23	NTU	
HCCC-04	WW_104	2008-02-11		Turbidity	5.58	NTU	
HCCC-04	WW_104	2006-03-13		Turbidity	146	NTU	
HCCC-04	WW_104	2009-08-10		Turbidity	12.4	NTU	
HCCC-04	WW_104	2006-11-13		Turbidity	15	NTU	
HCCC-04	WW_104	2008-01-14		Turbidity	9.26	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCC-04	WW_104	2008-03-10		Turbidity	16.9	NTU	
HCCC-04	WW_104	2009-09-14		Turbidity	7.61	NTU	
HCCC-04	WW_104	2009-07-13		Turbidity	10.8	NTU	
HCCC-04	WW_104	2008-06-09		Turbidity	27	NTU	
HCCC-04	WW_104	2006-01-09		Turbidity	12.2	NTU	
HCCC-04	WW_104	2007-10-08		Turbidity	7.32	NTU	
HCCC-04	WW_104	2007-01-08		Turbidity	14.3	NTU	
HCCC-04	WW_104	2006-05-08		Turbidity	13.4	NTU	
HCCC-04	WW_104	2007-09-10		Turbidity	14	NTU	
HCCC-04	WW_104	2009-12-14		Turbidity	6.9	NTU	
HCCC-04	WW_104	2006-10-09		Turbidity	15	NTU	
HCCC-04	WW_104	2010-03-08		Turbidity	11.5	NTU	
HCCC-04	WW_104	2009-04-13		Turbidity	5.03	NTU	
HCCC-04	WW_104	2008-05-12		Turbidity	17.3	NTU	
HCCC-04	WW_104	2010-02-08		Turbidity	10.6	NTU	
HCCD-01	WW_32	2012-03-12		Turbidity	8.59	NTU	
HCCD-01	WW_32	2011-06-13		Turbidity	9.44	NTU	
HCCD-01	WW_32	2011-09-12		Turbidity	1.84	NTU	
HCCD-01	WW_32	2010-11-08		Turbidity	6.64	NTU	
HCCD-01	WW_32	2011-07-11		Turbidity	44.3	NTU	
HCCD-01	WW_32	2011-08-08		Turbidity	24.9	NTU	
HCCD-01	WW_32	2011-03-14		Turbidity	10.3	NTU	
HCCD-01	WW_32	2010-10-11		Turbidity	4.1	NTU	
HCCD-01	WW_32	2011-04-11		Turbidity	5.48	NTU	
HCCD-01	WW_32	2011-05-09		Turbidity	6.8	NTU	
HCCD-01	WW_32	2011-12-12		Turbidity	10.1	NTU	
HCCD-01	WW_32	2011-11-14		Turbidity	8.89	NTU	
HCCD-01	WW_32	2012-01-17		Turbidity	23.5	NTU	
HCCD-01	WW_32	2011-10-10		Turbidity	6.64	NTU	
HCCD-01	WW_32	2004-10-11		Turbidity	27.7	NTU	
HCCD-01	WW_32	2005-03-14		Turbidity	17.3	NTU	
HCCD-01	WW_32	2005-08-08		Turbidity	19.2	NTU	
HCCD-01	WW_32	2005-09-12		Turbidity	5.24	NTU	
HCCD-01	WW_32	2005-02-14		Turbidity	83.2	NTU	
HCCD-01	WW_32	2004-08-09		Turbidity	32.6	NTU	
HCCD-01	WW_32	2005-06-13		Turbidity	6.55	NTU	
HCCD-01	WW_32	2004-09-13		Turbidity	13.1	NTU	
HCCD-01	WW_32	2005-07-11		Turbidity	8.27	NTU	
HCCD-01	WW_32	2004-12-13		Turbidity	23.1	NTU	
HCCD-01	WW_32	2005-04-11		Turbidity	10.6	NTU	
HCCD-01	WW_32	2005-05-09		Turbidity	9.36	NTU	
HCCD-01	WW_32	2004-06-14		Turbidity	19	NTU	
HCCD-01	WW_32	2004-11-08		Turbidity	17.4	NTU	
HCCD-01	WW_32	2010-05-10		Turbidity	8.39	NTU	
HCCD-01	WW_32	2007-07-09		Turbidity	5.52	NTU	
HCCD-01	WW_32	2007-08-13		Turbidity	17.2	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2009-03-09		Turbidity	78.2	NTU	
HCCD-01	WW_32	2008-06-09		Turbidity	45.3	NTU	
HCCD-01	WW_32	2005-10-10		Turbidity	2.39	NTU	
HCCD-01	WW_32	2008-09-08		Turbidity	19.7	NTU	
HCCD-01	WW_32	2007-05-14		Turbidity	18.3	NTU	
HCCD-01	WW_32	2010-08-09		Turbidity	31.6	NTU	
HCCD-01	WW_32	2008-11-10		Turbidity	4.81	NTU	
HCCD-01	WW_32	2010-09-13		Turbidity	5.1	NTU	
HCCD-01	WW_32	2008-10-13		Turbidity	9.4	NTU	
HCCD-01	WW_32	2006-08-14		Turbidity	4.04	NTU	
HCCD-01	WW_32	2007-04-09		Turbidity	7.84	NTU	
HCCD-01	WW_32	2005-12-12		Turbidity	18.5	NTU	
HCCD-01	WW_32	2006-09-11		Turbidity	86.8	NTU	
HCCD-01	WW_32	2010-06-14		Turbidity	8.3	NTU	
HCCD-01	WW_32	2008-07-14		Turbidity	13.8	NTU	
HCCD-01	WW_32	2007-03-12		Turbidity	24.3	NTU	
HCCD-01	WW_32	2006-06-12		Turbidity	6.46	NTU	
HCCD-01	WW_32	2006-07-10		Turbidity	10.5	NTU	
HCCD-01	WW_32	2008-08-11		Turbidity	6.9	NTU	
HCCD-01	WW_32	2010-07-12		Turbidity	30.75	NTU	
HCCD-01	WW_32	2005-11-14		Turbidity	3.91	NTU	
HCCD-01	WW_32	2007-06-11		Turbidity	11.2	NTU	
HCCD-01	WW_32	2009-08-10		Turbidity	5.64	NTU	
HCCD-01	WW_32	2006-03-13		Turbidity	223	NTU	
HCCD-01	WW_32	2006-01-09		Turbidity	3.56	NTU	
HCCD-01	WW_32	2006-04-10		Turbidity	4	NTU	
HCCD-01	WW_32	2008-04-14		Turbidity	26.1	NTU	
HCCD-01	WW_32	2009-10-12		Turbidity	6.88	NTU	
HCCD-01	WW_32	2007-10-08		Turbidity	11.1	NTU	
HCCD-01	WW_32	2009-06-08		Turbidity	29.7	NTU	
HCCD-01	WW_32	2008-03-10		Turbidity	37.1	NTU	
HCCD-01	WW_32	2006-02-14		Turbidity	8.39	NTU	
HCCD-01	WW_32	2006-11-13		Turbidity	18.8	NTU	
HCCD-01	WW_32	2009-11-09		Turbidity	6.64	NTU	
HCCD-01	WW_32	2009-12-14		Turbidity	6.44	NTU	
HCCD-01	WW_32	2007-11-13		Turbidity	11.3	NTU	
HCCD-01	WW_32	2006-12-11		Turbidity	21.4	NTU	
HCCD-01	WW_32	2009-07-13		Turbidity	11.9	NTU	
HCCD-01	WW_32	2009-09-14		Turbidity	6.15	NTU	
HCCD-01	WW_32	2008-01-14		Turbidity	8.28	NTU	
HCCD-01	WW_32	2007-09-10		Turbidity	13.9	NTU	
HCCD-01	WW_32	2008-05-12		Turbidity	13.6	NTU	
HCCD-01	WW_32	2010-04-12		Turbidity	6.51	NTU	
HCCD-01	WW_32	2009-04-13		Turbidity	5.61	NTU	
HCCD-01	WW_32	2006-05-08		Turbidity	13.7	NTU	
HCCD-01	WW_32	2007-01-08		Turbidity	25.4	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-01	WW_32	2010-03-08		Turbidity	6.71	NTU	
HCCD-01	WW_32	2009-05-11		Turbidity	5.16	NTU	
HCCD-01	WW_32	2006-10-09		Turbidity	43.5	NTU	
HCCD-01	WW_32	2003-08-11		Turbidity	6.3	NTU	
HCCD-01	WW_32	2001-12-10		Turbidity	28	NTU	
HCCD-01	WW_32	2002-09-09		Turbidity	6.2	NTU	
HCCD-01	WW_32	2002-08-12		Turbidity	9.6	NTU	
HCCD-01	WW_32	2001-09-10		Turbidity	17	NTU	
HCCD-01	WW_32	2004-04-12		Turbidity	9.2	NTU	
HCCD-01	WW_32	2001-05-14		Turbidity	21.4	NTU	
HCCD-01	WW_32	2003-09-08		Turbidity	5.9	NTU	
HCCD-01	WW_32	2003-12-08		Turbidity	10.3	NTU	
HCCD-01	WW_32	2002-04-08		Turbidity	11.4	NTU	
HCCD-01	WW_32	2001-08-13		Turbidity	7.5	NTU	
HCCD-01	WW_32	2002-02-11		Turbidity	13.6	NTU	
HCCD-01	WW_32	2002-03-11		Turbidity	17	NTU	
HCCD-01	WW_32	2004-03-08		Turbidity	34.3	NTU	
HCCD-01	WW_32	2001-07-09		Turbidity	19.2	NTU	
HCCD-01	WW_32	2003-10-13		Turbidity	16.4	NTU	
HCCD-01	WW_32	2002-07-08		Turbidity	7.4	NTU	
HCCD-01	WW_32	2002-06-10		Turbidity	13.6	NTU	
HCCD-01	WW_32	2003-11-10		Turbidity	17.2	NTU	
HCCD-01	WW_32	2002-05-13		Turbidity	30.2	NTU	
HCCD-01	WW_32	2001-06-11		Turbidity	11.7	NTU	
HCCD-01	WW_32	2001-03-12		Turbidity	9	NTU	
HCCD-01	WW_32	2003-05-12		Turbidity	31.8	NTU	
HCCD-01	WW_32	2001-02-13		Turbidity	20	NTU	
HCCD-01	WW_32	2004-05-10		Turbidity	8.35	NTU	
HCCD-01	WW_32	2003-07-14		Turbidity	8	NTU	
HCCD-01	WW_32	2003-04-14		Turbidity	6.9	NTU	
HCCD-01	WW_32	2002-11-12		Turbidity	16.8	NTU	
HCCD-01	WW_32	2001-11-13		Turbidity	15.9	NTU	
HCCD-01	WW_32	2002-10-14		Turbidity	8.6	NTU	
HCCD-01	WW_32	2001-10-08		Turbidity	8.7	NTU	
HCCD-01	WW_32	2003-06-09		Turbidity	11	NTU	
HCCD-01	WW_32	2001-04-09		Turbidity	13	NTU	
HCCD-09	HCCD-09	2001-09-27	13:50	Turbidity	21	NTU	
HCCD-09	HCCD-09	2001-08-01	10:10	Turbidity	23	NTU	
HCCD-09	HCCD-09	2001-07-02	11:15	Turbidity	29	NTU	
HCCD-09	HCCD-09	2006-09-18	12:30	Turbidity	20	NTU	
HCCD-09	HCCD-09	2011-09-20	10:20	Turbidity	30	NTU	
HCCD-09	HCCD-09	2011-08-18	8:20	Turbidity	17	NTU	
HCCD-09	HCCD-09	2011-06-20	14:00	Turbidity	24	NTU	
HCCD-09	HCCD-09	2006-06-13	8:30	Turbidity	17	NTU	
HCCD-09	WW_105	2011-12-12		Turbidity	9.49	NTU	
HCCD-09	WW_105	2011-02-14		Turbidity	16.1	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2011-07-11		Turbidity	17.2	NTU	
HCCD-09	WW_105	2011-04-11		Turbidity	5.35	NTU	
HCCD-09	WW_105	2011-09-12		Turbidity	15.1	NTU	
HCCD-09	WW_105	2011-01-10		Turbidity	15.5	NTU	
HCCD-09	WW_105	2011-11-14		Turbidity	8.8	NTU	
HCCD-09	WW_105	2010-12-13		Turbidity	7.96	NTU	
HCCD-09	WW_105	2012-03-12		Turbidity	7.32	NTU	
HCCD-09	WW_105	2011-08-08		Turbidity	12.8	NTU	
HCCD-09	WW_105	2012-02-14		Turbidity	8.2	NTU	
HCCD-09	WW_105	2012-01-17		Turbidity	9.51	NTU	
HCCD-09	WW_105	2011-03-14		Turbidity	10.8	NTU	
HCCD-09	WW_105	2011-06-13		Turbidity	13.3	NTU	
HCCD-09	WW_105	2010-10-11		Turbidity	9.5	NTU	
HCCD-09	WW_105	2011-05-09		Turbidity	8.53	NTU	
HCCD-09	WW_105	2011-10-10		Turbidity	10.3	NTU	
HCCD-09	WW_105	2010-11-08		Turbidity	11.4	NTU	
HCCD-09	WW_105	2001-05-14		Turbidity	11.7	NTU	
HCCD-09	WW_105	2002-08-12		Turbidity	14.1	NTU	
HCCD-09	WW_105	2003-09-08		Turbidity	11.3	NTU	
HCCD-09	WW_105	2004-09-13		Turbidity	23.6	NTU	
HCCD-09	WW_105	2005-03-14		Turbidity	4.94	NTU	
HCCD-09	WW_105	2003-11-10		Turbidity	8.4	NTU	
HCCD-09	WW_105	2001-07-09		Turbidity	17.1	NTU	
HCCD-09	WW_105	2004-08-09		Turbidity	19.2	NTU	
HCCD-09	WW_105	2002-05-13		Turbidity	13.9	NTU	
HCCD-09	WW_105	2002-07-08		Turbidity	15.2	NTU	
HCCD-09	WW_105	2003-10-13		Turbidity	10.8	NTU	
HCCD-09	WW_105	2002-06-10		Turbidity	12.6	NTU	
HCCD-09	WW_105	2005-06-13		Turbidity	18.4	NTU	
HCCD-09	WW_105	2001-06-11		Turbidity	10.4	NTU	
HCCD-09	WW_105	2003-06-09		Turbidity	14	NTU	
HCCD-09	WW_105	2003-02-10		Turbidity	11.7	NTU	
HCCD-09	WW_105	2004-11-08		Turbidity	15.1	NTU	
HCCD-09	WW_105	2002-12-09		Turbidity	12.3	NTU	
HCCD-09	WW_105	2003-01-13		Turbidity	9.7	NTU	
HCCD-09	WW_105	2005-04-11		Turbidity	13.5	NTU	
HCCD-09	WW_105	2003-05-12		Turbidity	14	NTU	
HCCD-09	WW_105	2003-04-14		Turbidity	10.5	NTU	
HCCD-09	WW_105	2001-03-12		Turbidity	10	NTU	
HCCD-09	WW_105	2003-03-10		Turbidity	11.6	NTU	
HCCD-09	WW_105	2005-09-12		Turbidity	13.1	NTU	
HCCD-09	WW_105	2003-08-11		Turbidity	15.7	NTU	
HCCD-09	WW_105	2002-10-14		Turbidity	12.3	NTU	
HCCD-09	WW_105	2004-10-11		Turbidity	19.5	NTU	
HCCD-09	WW_105	2002-09-09		Turbidity	18	NTU	
HCCD-09	WW_105	2002-11-12		Turbidity	12.3	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2005-05-09		Turbidity	11.1	NTU	
HCCD-09	WW_105	2003-07-14		Turbidity	18.3	NTU	
HCCD-09	WW_105	2001-04-09		Turbidity	13	NTU	
HCCD-09	WW_105	2004-12-13		Turbidity	14.8	NTU	
HCCD-09	WW_105	2002-01-14		Turbidity	10.6	NTU	
HCCD-09	WW_105	2002-02-11		Turbidity	8.5	NTU	
HCCD-09	WW_105	2001-08-13		Turbidity	13	NTU	
HCCD-09	WW_105	2004-04-12		Turbidity	8.9	NTU	
HCCD-09	WW_105	2004-02-09		Turbidity	11.2	NTU	
HCCD-09	WW_105	2001-09-10		Turbidity	19.4	NTU	
HCCD-09	WW_105	2001-10-08		Turbidity	14.2	NTU	
HCCD-09	WW_105	2005-07-11		Turbidity	15.9	NTU	
HCCD-09	WW_105	2002-03-11		Turbidity	10.6	NTU	
HCCD-09	WW_105	2005-01-10		Turbidity	13.4	NTU	
HCCD-09	WW_105	2004-03-08		Turbidity	26.3	NTU	
HCCD-09	WW_105	2005-02-14		Turbidity	14.4	NTU	
HCCD-09	WW_105	2004-01-12		Turbidity	23.3	NTU	
HCCD-09	WW_105	2004-06-14		Turbidity	9.35	NTU	
HCCD-09	WW_105	2003-12-08		Turbidity	8.5	NTU	
HCCD-09	WW_105	2002-04-08		Turbidity	9.7	NTU	
HCCD-09	WW_105	2004-05-10		Turbidity	9.83	NTU	
HCCD-09	WW_105	2001-11-13		Turbidity	9.5	NTU	
HCCD-09	WW_105	2001-12-10		Turbidity	10.5	NTU	
HCCD-09	WW_105	2005-08-08		Turbidity	9.32	NTU	
HCCD-09	WW_105	2007-05-14		Turbidity	21.7	NTU	
HCCD-09	WW_105	2008-03-10		Turbidity	17.7	NTU	
HCCD-09	WW_105	2008-09-08		Turbidity	15.9	NTU	
HCCD-09	WW_105	2008-01-14		Turbidity	6.78	NTU	
HCCD-09	WW_105	2007-09-10		Turbidity	21.4	NTU	
HCCD-09	WW_105	2008-02-11		Turbidity	6.04	NTU	
HCCD-09	WW_105	2007-01-08		Turbidity	8.01	NTU	
HCCD-09	WW_105	2007-04-09		Turbidity	9.15	NTU	
HCCD-09	WW_105	2006-11-13		Turbidity	11.3	NTU	
HCCD-09	WW_105	2006-08-14		Turbidity	22.6	NTU	
HCCD-09	WW_105	2008-06-09		Turbidity	13.8	NTU	
HCCD-09	WW_105	2007-03-12		Turbidity	13.3	NTU	
HCCD-09	WW_105	2006-09-11		Turbidity	29	NTU	
HCCD-09	WW_105	2006-10-09		Turbidity	15.4	NTU	
HCCD-09	WW_105	2008-05-12		Turbidity	18.5	NTU	
HCCD-09	WW_105	2007-11-13		Turbidity	29.3	NTU	
HCCD-09	WW_105	2007-07-09		Turbidity	8.27	NTU	
HCCD-09	WW_105	2008-08-11		Turbidity	15.8	NTU	
HCCD-09	WW_105	2007-10-08		Turbidity	19.1	NTU	
HCCD-09	WW_105	2006-12-11		Turbidity	11.2	NTU	
HCCD-09	WW_105	2008-04-14		Turbidity	16.3	NTU	
HCCD-09	WW_105	2007-12-10		Turbidity	18.6	NTU	

Segment	Station	Date	Time	Parameter	Result	Units	Depth
HCCD-09	WW_105	2008-07-14		Turbidity	11.2	NTU	
HCCD-09	WW_105	2007-08-13		Turbidity	9.68	NTU	
HCCD-09	WW_105	2007-06-11		Turbidity	13	NTU	
HCCD-09	WW_105	2009-09-14		Turbidity	14.5	NTU	
HCCD-09	WW_105	2006-05-08		Turbidity	15.4	NTU	
HCCD-09	WW_105	2010-04-12		Turbidity	10.2	NTU	
HCCD-09	WW_105	2005-12-12		Turbidity	17.3	NTU	
HCCD-09	WW_105	2009-05-11		Turbidity	4.97	NTU	
HCCD-09	WW_105	2010-03-08		Turbidity	4.74	NTU	
HCCD-09	WW_105	2009-02-09		Turbidity	8.47	NTU	
HCCD-09	WW_105	2010-06-14		Turbidity	10.7	NTU	
HCCD-09	WW_105	2005-11-14		Turbidity	13.2	NTU	
HCCD-09	WW_105	2006-06-12		Turbidity	10.6	NTU	
HCCD-09	WW_105	2010-05-10		Turbidity	7.11	NTU	
HCCD-09	WW_105	2009-03-09		Turbidity	30	NTU	
HCCD-09	WW_105	2006-03-13		Turbidity	21.7	NTU	
HCCD-09	WW_105	2006-02-14		Turbidity	11.8	NTU	
HCCD-09	WW_105	2009-11-09		Turbidity	8.23	NTU	
HCCD-09	WW_105	2009-08-10		Turbidity	19.3	NTU	
HCCD-09	WW_105	2009-10-12		Turbidity	10.3	NTU	
HCCD-09	WW_105	2009-06-08		Turbidity	28.3	NTU	
HCCD-09	WW_105	2006-04-10		Turbidity	11.9	NTU	
HCCD-09	WW_105	2010-01-11		Turbidity	7.08	NTU	
HCCD-09	WW_105	2010-02-08		Turbidity	9.85	NTU	
HCCD-09	WW_105	2006-01-09		Turbidity	11.5	NTU	
HCCD-09	WW_105	2009-12-14		Turbidity	5.71	NTU	
HCCD-09	WW_105	2009-07-13		Turbidity	26.5	NTU	
HCCD-09	WW_105	2008-12-08		Turbidity	10.1	NTU	
HCCD-09	WW_105	2006-07-10		Turbidity	25.9	NTU	
HCCD-09	WW_105	2010-08-09		Turbidity	12.8	NTU	
HCCD-09	WW_105	2005-10-10		Turbidity	15.8	NTU	
HCCD-09	WW_105	2010-07-12		Turbidity	31.96	NTU	
HCCD-09	WW_105	2008-11-10		Turbidity	8.02	NTU	
HCCD-09	WW_105	2008-10-13		Turbidity	16.8	NTU	
HCCD-09	WW_105	2010-09-13		Turbidity	11.3	NTU	
HCCD-09	WW_105	2009-01-12		Turbidity	11.8	NTU	
HCCD-09	WW_105	2009-04-13		Turbidity	9.87	NTU	
RHJ	RHJ-1	2001-09-04	12:00	Turbidity	20.1	NTU	3 ft
RHJ	RHJ-1	2001-09-04	12:00	Turbidity	20.1	NTU	3 ft
RHJ	RHJ-1	2001-11-05	11:30	Turbidity	13	NTU	1.5 ft
RHJ	RHJ-1	2001-11-05	11:30	Turbidity	13	NTU	1.5 ft
RHJ	RHJ-2	2001-05-31	11:30	Turbidity	10.7	NTU	4.5 ft
RHJ	RHJ-2	2001-09-04	12:55	Turbidity	19.6	NTU	1 ft
RHJ	RHJ-2	2001-09-04	12:55	Turbidity	19.6	NTU	1 ft
RHJ	RHJ-2	2001-05-31	11:30	Turbidity	10.7	NTU	4.5 ft
RHJ	RHJ-3	2001-09-04	13:45	Turbidity	18.7	NTU	1 ft

Segment	Station	Date	Time	Parameter	Result	Units	Depth
RHJ	RHJ-3	2001-11-05	13:00	Turbidity	38	NTU	1 ft
RHJ	RHJ-3	2001-09-04	13:45	Turbidity	18.7	NTU	1 ft
RHJ	RHJ-3	2001-11-05	13:00	Turbidity	38	NTU	1 ft

Appendix E

QUAL2K Model Files

QUAL2K
FORTRAN
Stream Water Quality Model
Steve Chapra, Hua Tao and Greg Pelletier
Version 2.12b1

System ID:		
River name	North Branch Chicago River	
Saved file name	BC092187v2_11b8	
Directory where file saved	C:\Tim's Hard Drive Files\IEPA 2016\N Branch Chicago River QUAL2K	
Month	7	
Day	15	
Year	2006	
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	0.17	minutes
Time of sunrise	5:44 AM	
Time of solar noon	1:01 PM	
Time of sunset	8:18 PM	
Photoperiod	14.58	hours

QUAL2K

Stream Water Quality Model

North Branch Chicago River

(7/15/2006)

Headwater Data:

Number of Headwaters	3						
Headwater 0 (Mainstem)							
Headwater label	*Reach No*	*Flow*	*Elevation*	*Weir*			
		Rate		*Weir*	*Height*	*Width*	*adam*
		(m^3/s)	*(m)*	*Type*	*(m)*	*(m)*	
Middle Fork North Branch HCC02	1	0.001	100.000				1.2500
Water Quality Constituents	*Units*	*12:00 AM*	*1:00 AM*	*2:00 AM*	*3:00 AM*	*4:00 AM*	*5:00 AM*
Temperature	C	27.00	27.00	27.00	27.00	27.00	27.00
Conductivity	umhos	276.42	277.23	279.22	282.26	286.14	290.60
Inorganic Solids	mgD/L	11.96	12.14	12.08	11.79	11.28	10.58
Dissolved Oxygen	mg/L	5.00	5.00	5.00	5.00	5.00	5.00
CBODslow	mgO2/L						
CBODfast	mgO2/L	6.00	6.00	6.00	6.00	6.00	6.00
Organic Nitrogen	ugN/L	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
NH4-Nitrogen	ugN/L	100.00	100.00	100.00	100.00	100.00	100.00
NO3-Nitrogen	ugN/L	0.00	0.00	0.00	0.00	0.00	0.00
Organic Phosphorus	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Inorganic Phosphorus (SRP)	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Phytoplankton	ugA/L						
Internal Nitrogen (INP)	ugN/L						
Internal Phosphorus (IPP)	ugP/L						
Detritus (POM)	mgD/L						
Pathogen	cfu/100 mL						
Alkalinity	mgCaCO3/L	100.00	100.00	100.00	100.00	100.00	100.00
Constituent i							
Constituent ii							
Constituent iii							
pH	s.u.	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 0 (Mainstem), cont'd										
Rating Curves					**Manning Formula**					***Prescribed***
bdam	***Velocity***		***Depth***		***Channel***	***Manning***	***Bot Width***	***Side***	***Side***	***Dispersion***
	Coefficient	***Exponent***	***Coefficient***	***Exponent***	***Slope***	***n***	***m***	***Slope***	***Slope***	***m2/s***
0.9000	0.4210	0.042	0.4430	0.462						0.00
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***
27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
295.33	300.02	304.33	307.98	310.72	312.36	312.80	311.99	310.00	306.96	303.08
9.76	8.85	7.93	7.05	6.28	5.67	5.26	5.08	5.13	5.43	5.94
5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 0 (Mainstem), cont'd

5:00 PM	*6:00 PM*	*7:00 PM*	*8:00 PM*	*9:00 PM*	*10:00 PM*	*11:00 PM*
27.00	27.00	27.00	27.00	27.00	27.00	27.00
298.62	293.89	289.21	284.89	281.24	278.50	276.86
6.63	7.46	8.37	9.29	10.16	10.93	11.54
5.00	5.00	5.00	5.00	5.00	5.00	5.00
6.00	6.00	6.00	6.00	6.00	6.00	6.00
1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00
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
100.00	100.00	100.00	100.00	100.00	100.00	100.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 1 (Tributary 1)							
Headwater label	*Reach No*	*Flow*	*Elevation*	*Weir*			
		Rate		*Weir*	*Height*	*Width*	*adam*
		(m^3/s)	*(m)*	*Type*	*(m)*	*(m)*	
Skokie River HCCD01	2	0.050	100.000				1.2500
Water Quality Constituents	*Units*	*12:00 AM*	*1:00 AM*	*2:00 AM*	*3:00 AM*	*4:00 AM*	*5:00 AM*
Temperature	C	27.00	27.00	27.00	27.00	27.00	27.00
Conductivity	umhos	276.42	277.23	279.22	282.26	286.14	290.60
Inorganic Solids	mgD/L	11.96	12.14	12.08	11.79	11.28	10.58
Dissolved Oxygen	mg/L	5.00	5.00	5.00	5.00	5.00	5.00
CBODslow	mgO2/L						
CBODfast	mgO2/L	5.00	5.00	5.00	5.00	5.00	5.00
Organic Nitrogen	ugN/L	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
NH4-Nitrogen	ugN/L	100.00	100.00	100.00	100.00	100.00	100.00
NO3-Nitrogen	ugN/L	0.00	0.00	0.00	0.00	0.00	0.00
Organic Phosphorus	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Inorganic Phosphorus (SRP)	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Phytoplankton	ugA/L						
Internal Nitrogen	ugN/L						
Internal Phosphorus	ugP/L						
Detritus (POM)	mgD/L						
Pathogen	cfu/100 mL						
Alkalinity	mgCaCO3/L	100.00	100.00	100.00	100.00	100.00	100.00
Constituent i							
Constituent ii							
Constituent iii							
pH	s.u.	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 1 (Tributary 1), cont'd										
Rating Curves					**Manning Formula**					***Prescribed***
bdam	***Velocity***		***Depth***		***Channel***	***Manning***	***Bot Width***	***Side***	***Side***	***Dispersion***
	Coefficient	***Exponent***	***Coefficient***	***Exponent***	***Slope***	***n***	***m***	***Slope***	***Slope***	***m2/s***
0.9	**0.2730**	**0.273**	**0.4100**	**0.378**						
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***
27.00	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**	**27.00**
295.33	**300.02**	**304.33**	**307.98**	**310.72**	**312.36**	**312.80**	**311.99**	**310.00**	**306.96**	**303.08**
9.76	**8.85**	**7.93**	**7.05**	**6.28**	**5.67**	**5.26**	**5.08**	**5.13**	**5.43**	**5.94**
5.00	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**
5.00	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**
1000.00	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**	**1000.00**
100.00	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
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	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
100.00	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
7.00	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**	**7.00**

Headwater 1 (Tributary 1), cont'd						
5:00 PM	*6:00 PM*	*7:00 PM*	*8:00 PM*	*9:00 PM*	*10:00 PM*	*11:00 PM*
27.00	27.00	27.00	27.00	27.00	27.00	27.00
298.62	293.89	289.21	284.89	281.24	278.50	276.86
6.63	7.46	8.37	9.29	10.16	10.93	11.54
5.00	5.00	5.00	5.00	5.00	5.00	5.00
5.00	5.00	5.00	5.00	5.00	5.00	5.00
1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00
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
100.00	100.00	100.00	100.00	100.00	100.00	100.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 2 (Tributary 2)							
Headwater label	*Reach No*	*Flow*	*Elevation*	*Weir*			
		Rate		*Weir*	*Height*	*Width*	*adam*
		(m^3/s)	*(m)*	*Type*	*(m)*	*(m)*	
West Fork North Branch HCCB05	5	0.0075	100.000				1.2500
Water Quality Constituents	*Units*	*12:00 AM*	*1:00 AM*	*2:00 AM*	*3:00 AM*	*4:00 AM*	*5:00 AM*
Temperature	C	27.00	27.00	27.00	27.00	27.00	27.00
Conductivity	umhos	276.42	277.23	279.22	282.26	286.14	290.60
Inorganic Solids	mgD/L	11.96	12.14	12.08	11.79	11.28	10.58
Dissolved Oxygen	mg/L	5.00	5.00	5.00	5.00	5.00	5.00
CBODslow	mgO2/L						
CBODfast	mgO2/L	6.00	6.00	6.00	6.00	6.00	6.00
Organic Nitrogen	ugN/L	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
NH4-Nitrogen	ugN/L	100.00	100.00	100.00	100.00	100.00	100.00
NO3-Nitrogen	ugN/L	0.00	0.00	0.00	0.00	0.00	0.00
Organic Phosphorus	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Inorganic Phosphorus (SRP)	ugP/L	0.00	0.00	0.00	0.00	0.00	0.00
Phytoplankton	ugA/L						
Internal Nitrogen	ugN/L						
Internal Phosphorus	ugP/L						
Detritus (POM)	mgD/L						
Pathogen	cfu/100 mL						
Alkalinity	mgCaCO3/L	100.00	100.00	100.00	100.00	100.00	100.00
Constituent i							
Constituent ii							
Constituent iii							
pH	s.u.	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 2 (Tributary 2), cont'd										
Rating Curves					Manning Formula					Prescribed
bdam	Velocity		Depth		Channel	Manning	Bot Width	Side	Side	Dispersion
	Coefficient	Exponent	Coefficient	Exponent	Slope	n	m	Slope	Slope	m2/s
0.9000	0.3440	0.301	0.3750	0.477						
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
27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
295.33	300.02	304.33	307.98	310.72	312.36	312.80	311.99	310.00	306.96	303.08
9.76	8.85	7.93	7.05	6.28	5.67	5.26	5.08	5.13	5.43	5.94
5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00

Headwater 2 (Tributary 2), cont'd

5:00 PM	*6:00 PM*	*7:00 PM*	*8:00 PM*	*9:00 PM*	*10:00 PM*	*11:00 PM*
27.00	27.00	27.00	27.00	27.00	27.00	27.00
298.62	293.89	289.21	284.89	281.24	278.50	276.86
6.63	7.46	8.37	9.29	10.16	10.93	11.54
5.00	5.00	5.00	5.00	5.00	5.00	5.00
6.00	6.00	6.00	6.00	6.00	6.00	6.00
1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00
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
100.00	100.00	100.00	100.00	100.00	100.00	100.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
Reach Data:

Reach for diel plot	6					
Element for diel plot	1	*Reach*	*Headwater*	*Reach*		
Reach	*Downstream*	*Number*	*Reach*	*length*	*Downstream*	
Label	*end of reach label*			*(km)*	*Latitude*	*Longitude*
Middle Fork North Branch HCC02		1	Yes	30.30	38.34	88.92
Skokie River HCCD01		2	Yes	21.40	38.34	88.92
Skokie River HCCD09		3		2.80	38.34	88.92
Middle Fork North Branch HCC04		4		5.30	38.34	88.92
West Fork North Branch HCCB05		5	Yes	23.70	38.34	88.92
North Branch HCC07		6		18.50	38.34	88.92

Location		*Element*	*Elevation*		*Downstream*					
Upstream	*Downstream*	*Number*	*Upstream*	*Downstream*	*Latitude*			*Longitude*		
(km)	*(km)*	*>=1*	*(m)*	*(m)*	*Degrees*	*Minutes*	*Seconds*	*Degrees*	*Minutes*	*Seconds*
54.100	23.800	30	100.000	80.000	38.00	20	6	-88.00	-55	0
24.200	2.800	22	80.000	5.000	38.00	20	6	-88.00	-55	0
2.800	0.000	3	5.000	0.000	38.00	20	6	-88.00	-55	0
23.800	18.500	5	80.000	40.000	38.00	20	6	-88.00	-55	0
23.700	0.000	24	100.000	0.000	38.00	20	6	-88.00	-55	0
18.500	0.000	19	40.000	0.000	38.00	20	6	-88.00	-55	0

Hydraulic Model (Weir Overrides Manning Formula; Manning Formula Override Rating Curves)													
Weir					Rating Curves				Manning Formula				
Weir	Height	Width	adam	bdam	Velocity		Depth		Channel	Manning	Bot Width	Side	Side
Type	(m)	(m)			Coefficient	Exponent	Coefficient	Exponent	Slope	n	m	Slope	Slope
			1.2500	0.9000	0.4210	0.042	0.4430	0.462					
			1.2500	0.9000	0.2730	0.273	0.4100	0.378					
			1.2500	0.9000	0.2730	0.273	0.4100	0.378					
			1.2500	0.9000	0.2850	0.344	0.2810	0.511					
			1.2500	0.9000	0.3440	0.301	0.3750	0.477					
			1.2500	0.9000	0.3160	0.407	0.2730	0.412					

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
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000
0.00	0.00%	100.00%	10.00	0.0000	0.0000	0.0000	0.0000

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
Air Temperature Data:

				Upstream	Downstream
Upstream	*Reach*	*Downstream*	*Reach*	*Distance*	*Distance*
Label	*Label*	*Label*	*Number*	*km*	*km*
Middle Fork North Branch HCC02	Middle Fork North Branch HCC02		1	54.10	23.80
Skokie River HCCD01	Skokie River HCCD01		2	24.20	2.80
	Skokie River HCCD09		3	2.80	0.00
	Middle Fork North Branch HCC04		4	23.80	18.50
West Fork North Branch HCCB05	West Fork North Branch HCCB05		5	23.70	0.00
	North Branch HCC07		6	18.50	0.00

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
Hourly air temperature for each reach (degrees C)											
(The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)											
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00

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
Hourly air temperature for each reach (degrees C)											
(The input values are applied as point estimates at each time. Linear interpolation is used to estimate values between the hourly inputs.)											
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
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	0.1	/d	k_{hc}
Temp correction	1.07		θ_{hc}
Oxidation rate	0.1	/d	k_{dcs}
Temp correction	1.047		θ_{dcs}
Fast CBOD:			
Oxidation rate	0.15	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.9	/d	k_{hn}
Temp correction	1.07		θ_{hn}
Settling velocity	0.00001	m/d	v_{on}
Ammonium:			
Nitrification	0.9	/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	3.8	/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	0	mgA/m²/d or /d	C_{gb}
Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m²	$a_{b,max}$
Respiration rate	0.2	/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	0.00		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}

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
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 ^oC)	C_{ps}
Water heat capacity	1	cal/(g ^oC)	C_{pw}
Sediment diagenesis model			
Compute SOD and nutrient fluxes	Yes		

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
Diffuse Source Data:

			Location		Diffuse	Diffuse		Spec	Inorg	Diss	CBOD	CBOD	Organic
	Tributary	Headwater	Up	Down	Abstraction	Inflow	Temp	Cond	SS	Oxygen	slow	fast	N
Name	No.*	Label	km	km	m3/s	m3/s	C	umhos	mgD/L	mg/L	mgO2/L	mgO2/L	ugN/L
Skokie River HCCD01	1	Skokie River HCCD01	24.20	2.80		0.0800	27.00			5.00		5.00	1700.00
Skokie River HCCD09	1	Skokie River HCCD01	2.80	0.00		0.0400	27.00			5.00		5.00	1700.00

Ammon	Nitrate	Organic	Inorganic	Phyto	Internal	Internal				Constituent	Constituent	Constituent	
N	N	P	P	plankton	Nitrogen	Phosphorus	Detritus	Pathogen	Alk	i	ii	iii	pH
ugN/L	ugN/L	ugP/L	ugP/L	ug/L	ugN/L	ugP/L	mgD/L	cfu/100 mL	mgCaCO3/L				
100.00												100.00	7.00
100.00												100.00	7.00

QUAL2K
Stream Water Quality Model
North Branch Chicago River (7/15/2006)
Point Source Data:

				Point		Temperature			Specific Conductance			Inorganic Suspended Solids		
	Tributary	Headwater	Location	Abstraction	Inflow	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of
Name	No.	Label	km	m3/s	m3/s	°C	°C	max	umhos	umhos	max	mg/L	mg/L	max
Village of Deerfield	2	West Fork North Branch HCCB05	12.80		0.1400	27.00								
Abbott Labs	0	Middle Fork North Branch HCC02	47.10		0.0700	27.00								
North Shore Sanitary	1	Skokie River HCCD01	2.20		0.6400	27.00								

Dissolved Oxygen			Slow CBOD			Fast CBOD			Organic N			Ammonia N			Nitrate + Nitrite N		
mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of
mg/L	mg/L	max	mgO2/L	mgO2/L	max	mgO2/L	mgO2/L	max	ugN/L	ugN/L	max	ugN/L	ugN/L	max	ugN/L	ugN/L	max
5.00						5.00			9100.00			240.00					
5.00						7.00			1500.00			240.00					
5.00						5.00			1500.00			50.00					

Organic P			Inorganic P			Phytoplankton			Internal Nitrogen			Internal Phosphorus			Detritus		
mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of
ugP/L	ugP/L	max	ugP/L	ugP/L	max	ugA/L	ugA/L	max	ugN/L	ugN/L	max	ugP/L	ugP/L	max	mgD/L	mgD/L	max
1200.00			1200.00														
1200.00			1200.00														
1200.00			1200.00														

Pathogen Indicator Bacteria			Alkalinity			Constituent i			Constituent ii			Constituent iii			pH		
mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of	mean	range/2	time of
cfu/100ml	cfu/100ml	max	mgCaCO3/L	mgCaCO3/L	max			max			max			max	s.u.	s.u.	max
			100.00												7.00		
			100.00												7.00		
			100.00												7.00		

Appendix F

Load Duration Curve Calculations

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_gr	Limit/Standard	Actual Load (lbs/day)	Allowable Load (lbs/day)
5536105	3/9/2009	1870	1870	1.00	1870	11	0.1882%	Chloride	168.00	mg	500	1,693,502	5,040,184.1
5536105	3/9/2009	1870	1870	1.00	1870	11	0.1882%	Chloride	171	mg	500	1,723,743	5,040,184.1
5536105	3/11/2013	1260	1260	1.00	1260	42	0.7187%	Chloride	382.00	mg	500	2,594,590	3,396,059.9
5536105	3/12/2010	1030	1030	1.00	1030	69	1.1807%	Chloride	348.00	mg	500	1,932,196	2,776,144.2
5536105	4/20/2011	1000	1000	1.00	1000	77	1.3176%	Chloride	165.00	mg	500	889,444	2,695,285.6
5536105	5/13/2002	939	939	1.00	939	91	1.5572%	Chloride	131.50	mg	500	665,620	2,530,873.2
5536105	5/13/2002	939	939	1.00	939	91	1.5572%	Chloride	112.7	mg	500	570,459	2,530,873.2
5536105	1/30/2013	891	891	1.00	891	110	1.8823%	Chloride	244.00	mg	500	1,171,932	2,401,499.5
5536105	4/27/2009	873	873	1.00	873	112	1.9165%	Chloride	201.00	mg	500	945,900	2,352,984.4
5536105	1/25/2010	827	827	1.00	827	126	2.1561%	Chloride	433.00	mg	500	1,930,315	2,229,001.2
5536105	6/9/2008	791	791	1.00	791	143	2.4470%	Chloride	129.00	mg	500	550,049	2,131,970.9
5536105	6/9/2008	791	791	1.00	791	143	2.4470%	Chloride	117	mg	500	498,881	2,131,970.9
5536105	5/12/2003	714	714	1.00	714	177	3.0287%	Chloride	152.30	mg	500	586,183	1,924,433.9
5536105	5/12/2003	714	714	1.00	714	177	3.0287%	Chloride	154.5	mg	500	594,650	1,924,433.9
5536105	4/16/2012	706	706	1.00	706	181	3.0972%	Chloride	209.00	mg	500	795,400	1,902,871.7
5536105	8/5/2010	689	689	1.00	689	191	3.2683%	Chloride	88.90	mg	500	330,184	1,857,051.8
5536105	5/28/2009	643	643	1.00	643	215	3.6790%	Chloride	192.00	mg	500	665,498	1,733,068.7
5536105	8/2/2001	611	611	1.00	611	240	4.1068%	Chloride	30.90	mg	500	101,773	1,646,819.5
5536105	3/12/2007	593	593	1.00	593	252	4.3121%	Chloride	407.30	mg	500	1,301,979	1,598,304.4
5536105	3/12/2007	593	593	1.00	593	252	4.3121%	Chloride	415.7	mg	500	1,328,830	1,598,304.4
5536105	3/14/2013	529	529	1.00	529	312	5.3388%	Chloride	418.00	mg	500	1,191,974	1,425,806.1
5536105	2/9/2009	493	493	1.00	493	359	6.1431%	Chloride	477.00	mg	500	1,267,652	1,328,775.8
5536105	2/9/2009	493	493	1.00	493	359	6.1431%	Chloride	492	mg	500	1,307,515	1,328,775.8
5536105	6/2/2011	490	490	1.00	490	363	6.2115%	Chloride	128.00	mg	500	338,097	1,320,690.0
5536105	4/14/2008	485	485	1.00	485	369	6.3142%	Chloride	296.00	mg	500	773,870	1,307,213.5
5536105	2/11/2013	485	485	1.00	485	369	6.3142%	Chloride	635.00	mg	500	1,660,161	1,307,213.5
5536105	4/14/2008	485	485	1.00	485	369	6.3142%	Chloride	287	mg	500	750,341	1,307,213.5
5536105	2/14/2005	472	472	1.00	472	390	6.6735%	Chloride	453.00	mg	500	1,152,590	1,272,174.8
5536105	2/14/2005	472	472	1.00	472	390	6.6735%	Chloride	497	mg	500	1,264,542	1,272,174.8
5536105	8/8/2011	470	470	1.00	470	395	6.7591%	Chloride	75.00	mg	500	190,018	1,266,784.2
5536105	8/8/2011	470	470	1.00	470	395	6.7591%	Chloride	116	mg	500	293,894	1,266,784.2
5536105	3/13/2006	460	460	1.00	460	411	7.0329%	Chloride	288.90	mg	500	716,375	1,239,831.4
5536105	3/13/2006	460	460	1.00	460	411	7.0329%	Chloride	272.6	mg	500	675,956	1,239,831.4
5536105	8/4/2004	455	455	1.00	455	419	7.1697%	Chloride	90.60	mg	500	222,216	1,226,355.0
5536105	3/19/2001	420	420	1.00	420	474	8.1109%	Chloride	337.00	mg	500	762,981	1,132,020.0
5536105	3/8/2004	399	399	1.00	399	510	8.7269%	Chloride	361.50	mg	500	777,528	1,075,419.0
5536105	3/8/2004	399	399	1.00	399	510	8.7269%	Chloride	371.6	mg	500	799,251	1,075,419.0
5536105	2/13/2001	380	380	1.00	380	534	9.1376%	Chloride	318.00	mg	500	651,397	1,024,208.5
5536105	2/13/2001	380	380	1.00	380	534	9.1376%	Chloride	257	mg	500	526,443	1,024,208.5
5536105	9/8/2008	370	370	1.00	370	553	9.4627%	Chloride	152.00	mg	500	303,166	997,255.7
5536105	9/8/2008	370	370	1.00	370	553	9.4627%	Chloride	142	mg	500	283,221	997,255.7
5536105	7/1/2013	349	349	1.00	349	588	10.0616%	Chloride	105.00	mg	500	197,537	940,654.7
5536105	1/13/2014	321	321	1.00	321	648	11.0883%	Chloride	790.00	mg	500	1,366,995	865,186.7
5536105	3/11/2002	319	319	1.00	319	658	11.2594%	Chloride	357.00	mg	500	613,894	859,796.1
5536105	6/14/2004	319	319	1.00	319	658	11.2594%	Chloride	146.40	mg	500	251,748	859,796.1

Note: Workbook display in appendices trimmed to dates with instream concentration data

5536105	3/11/2002	319	319	1.00	319	658	11.2594%	Chloride	341	mg	500	586,381	859,796.1
5536105	6/14/2004	319	319	1.00	319	658	11.2594%	Chloride	158.8	mg	500	273,071	859,796.1
5536105	2/14/2001	306	306	1.00	306	696	11.9097%	Chloride	380.00	mg	500	626,816	824,757.4
5536105	4/16/2013	306	306	1.00	306	696	11.9097%	Chloride	344.00	mg	500	567,433	824,757.4
5536105	9/11/2006	299	299	1.00	299	722	12.3546%	Chloride	93.80	mg	500	151,185	805,890.4
5536105	9/11/2006	299	299	1.00	299	722	12.3546%	Chloride	151.8	mg	500	244,668	805,890.4
5536105	12/14/2011	291	291	1.00	291	742	12.6968%	Chloride	145.00	mg	500	227,455	784,328.1
5536105	4/14/2014	279	279	1.00	279	776	13.2786%	Chloride	439.00	mg	500	660,243	751,984.7
5536105	5/12/2008	270	270	1.00	270	803	13.7406%	Chloride	266.00	mg	500	387,151	727,727.1
5536105	5/12/2008	270	270	1.00	270	803	13.7406%	Chloride	246	mg	500	358,042	727,727.1
5536105	6/10/2002	256	256	1.00	256	847	14.4935%	Chloride	107.80	mg	500	148,763	689,993.1
5536105	6/10/2002	256	256	1.00	256	847	14.4935%	Chloride	114.5	mg	500	158,008	689,993.1
5536105	5/14/2001	246	246	1.00	246	876	14.9897%	Chloride	212.00	mg	500	281,129	663,040.3
5536105	5/14/2001	246	246	1.00	246	876	14.9897%	Chloride	221	mg	500	293,064	663,040.3
5536105	1/16/2001	226	226	1.00	226	967	16.5469%	Chloride	802.00	mg	500	977,052	609,134.6
5536105	1/16/2001	226	226	1.00	226	967	16.5469%	Chloride	434	mg	500	528,729	609,134.6
5536105	4/8/2002	221	221	1.00	221	982	16.8036%	Chloride	298.10	mg	500	355,131	595,658.1
5536105	4/8/2002	221	221	1.00	221	982	16.8036%	Chloride	298.8	mg	500	355,965	595,658.1
5536105	7/14/2008	220	220	1.00	220	991	16.9576%	Chloride	184.00	mg	500	218,210	592,962.8
5536105	7/14/2008	220	220	1.00	220	991	16.9576%	Chloride	174	mg	500	206,351	592,962.8
5536105	10/20/2011	213	213	1.00	213	1023	17.5051%	Chloride	110.00	mg	500	126,301	574,095.8
5536105	3/10/2004	212	212	1.00	212	1032	17.6591%	Chloride	290.00	mg	500	331,412	571,400.6
5536105	1/26/2012	212	212	1.00	212	1032	17.6591%	Chloride	389.00	mg	500	444,550	571,400.6
5536105	8/13/2007	207	207	1.00	207	1055	18.0527%	Chloride	151.90	mg	500	169,497	557,924.1
5536105	8/13/2007	207	207	1.00	207	1055	18.0527%	Chloride	155.5	mg	500	173,514	557,924.1
5536105	5/20/2002	195	195	1.00	195	1125	19.2505%	Chloride	134.00	mg	500	140,856	525,580.7
5536105	4/5/2006	179	179	1.00	179	1208	20.6708%	Chloride	887.00	mg	500	855,877	482,456.1
5536105	2/11/2002	174	174	1.00	174	1240	21.2183%	Chloride	340.00	mg	500	318,906	468,979.7
5536105	2/11/2002	174	174	1.00	174	1240	21.2183%	Chloride	372	mg	500	348,921	468,979.7
5536105	3/10/2008	172	172	1.00	172	1251	21.4066%	Chloride	523.00	mg	500	484,914	463,589.1
5536105	3/10/2008	172	172	1.00	172	1251	21.4066%	Chloride	521	mg	500	483,060	463,589.1
5536105	6/21/2004	168	168	1.00	168	1285	21.9884%	Chloride	141.00	mg	500	127,692	452,808.0
5536105	5/25/2006	165	165	1.00	165	1303	22.2964%	Chloride	216.00	mg	500	192,120	444,722.1
5536105	9/16/2013	161	161	1.00	161	1331	22.7755%	Chloride	98.00	mg	500	85,052	433,941.0
5536105	7/12/2010	157	157	1.00	157	1356	23.2033%	Chloride	166.00	mg	500	140,489	423,159.8
5536105	7/12/2010	157	157	1.00	157	1356	23.2033%	Chloride	132	mg	500	111,714	423,159.8
5536105	5/13/2004	156	156	1.00	156	1367	23.3915%	Chloride	257.00	mg	500	216,119	420,464.6
5536105	5/12/2014	156	156	1.00	156	1367	23.3915%	Chloride	393.00	mg	500	330,485	420,464.6
5536105	7/12/2004	152	152	1.00	152	1396	23.8877%	Chloride	141.80	mg	500	116,186	409,683.4
5536105	4/11/2011	152	152	1.00	152	1396	23.8877%	Chloride	356.00	mg	500	291,695	409,683.4
5536105	7/12/2004	152	152	1.00	152	1396	23.8877%	Chloride	139.9	mg	500	114,629	409,683.4
5536105	4/11/2011	152	152	1.00	152	1396	23.8877%	Chloride	371	mg	500	303,985	409,683.4
5536105	4/8/2013	151	151	1.00	151	1407	24.0760%	Chloride	396.00	mg	500	322,335	406,988.1
5536105	6/8/2009	148	148	1.00	148	1431	24.4867%	Chloride	144.00	mg	500	114,884	398,902.3
5536105	6/8/2009	148	148	1.00	148	1431	24.4867%	Chloride	316	mg	500	252,106	398,902.3
5536105	11/13/2006	146	146	1.00	146	1454	24.8802%	Chloride	134.80	mg	500	106,091	393,511.7
5536105	11/13/2006	146	146	1.00	146	1454	24.8802%	Chloride	128.5	mg	500	101,133	393,511.7

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5536105	11/29/2006	144	144	1.00	144	1473	25.2053%	Chloride	175.00	mg	500	135,842	388,121.1
5536105	7/14/2014	138	138	1.00	138	1526	26.1123%	Chloride	187.00	mg	500	139,109	371,949.4
5536105	3/10/2014	131	131	1.00	131	1597	27.3272%	Chloride	894.00	mg	500	631,311	353,082.4
5536105	8/11/2014	130	130	1.00	130	1608	27.5154%	Chloride	295.00	mg	500	206,728	350,387.1
5536105	3/5/2009	129	129	1.00	129	1617	27.6694%	Chloride	391.00	mg	500	271,895	347,691.8
5536105	3/3/2005	126	126	1.00	126	1645	28.1485%	Chloride	405.00	mg	500	275,081	339,606.0
5536105	3/3/2011	124	124	1.00	124	1664	28.4736%	Chloride	731.00	mg	500	488,623	334,215.4
5536105	6/29/2009	121	121	1.00	121	1700	29.0897%	Chloride	155.00	mg	500	101,100	326,129.6
5536105	3/14/2011	117	117	1.00	117	1752	29.9795%	Chloride	452.00	mg	500	285,075	315,348.4
5536105	3/14/2011	117	117	1.00	117	1752	29.9795%	Chloride	462	mg	500	291,382	315,348.4
5536105	9/18/2006	116	116	1.00	116	1758	30.0821%	Chloride	196.00	mg	500	122,560	312,653.1
5536105	1/8/2007	115	115	1.00	115	1771	30.3046%	Chloride	183.20	mg	500	113,569	309,957.8
5536105	1/8/2007	115	115	1.00	115	1771	30.3046%	Chloride	188.7	mg	500	116,978	309,957.8
5536105	3/8/2010	113	113	1.00	113	1801	30.8179%	Chloride	667.00	mg	500	406,293	304,567.3
5536105	3/8/2010	113	113	1.00	113	1801	30.8179%	Chloride	707	mg	500	430,658	304,567.3
5536105	6/9/2003	112	112	1.00	112	1813	31.0233%	Chloride	185.40	mg	500	111,934	301,872.0
5536105	8/13/2012	112	112	1.00	112	1813	31.0233%	Chloride	177.00	mg	500	106,863	301,872.0
5536105	6/9/2003	112	112	1.00	112	1813	31.0233%	Chloride	228.8	mg	500	138,137	301,872.0
5536105	3/13/2012	111	111	1.00	111	1823	31.1944%	Chloride	381.00	mg	500	227,973	299,176.7
5536105	11/5/2009	109	109	1.00	109	1855	31.7420%	Chloride	165.00	mg	500	96,949	293,786.1
5536105	7/24/2012	109	109	1.00	109	1855	31.7420%	Chloride	117.00	mg	500	68,746	293,786.1
5536105	1/17/2012	108	108	1.00	108	1871	32.0157%	Chloride	866.00	mg	500	504,169	291,090.8
5536105	1/17/2012	108	108	1.00	108	1871	32.0157%	Chloride	755	mg	500	439,547	291,090.8
5536105	2/11/2008	106	106	1.00	106	1896	32.4435%	Chloride	1102.60	mg	500	630,026	285,700.3
5536105	3/12/2012	105	105	1.00	105	1914	32.7515%	Chloride	364.00	mg	500	206,028	283,005.0
5536105	3/12/2012	105	105	1.00	105	1914	32.7515%	Chloride	380	mg	500	215,084	283,005.0
5536105	9/28/2000	103	103	1.00	103	1939	33.1793%	Chloride	92.30	mg	500	51,248	277,614.4
5536105	12/11/2006	102	102	1.00	102	1959	33.5216%	Chloride	208.20	mg	500	114,476	274,919.1
5536105	12/11/2006	102	102	1.00	102	1959	33.5216%	Chloride	233	mg	500	128,112	274,919.1
5536105	4/3/2002	100	100	1.00	100	2001	34.2402%	Chloride	351.00	mg	500	189,209	269,528.6
5536105	1/14/2008	98	98	1.00	98	2041	34.9247%	Chloride	506.30	mg	500	267,466	264,138.0
5536105	1/14/2008	98	98	1.00	98	2041	34.9247%	Chloride	531.9	mg	500	280,990	264,138.0
5536105	4/9/2001	97	97	1.00	97	2056	35.1814%	Chloride	372.00	mg	500	194,513	261,442.7
5536105	4/9/2001	97	97	1.00	97	2056	35.1814%	Chloride	325	mg	500	169,938	261,442.7
5536105	5/11/2009	96	96	1.00	96	2076	35.5236%	Chloride	238.00	mg	500	123,164	258,747.4
5536105	4/12/2010	96	96	1.00	96	2076	35.5236%	Chloride	310.00	mg	500	160,423	258,747.4
5536105	5/11/2009	96	96	1.00	96	2076	35.5236%	Chloride	252	mg	500	130,409	258,747.4
5536105	4/12/2010	96	96	1.00	96	2076	35.5236%	Chloride	335	mg	500	173,361	258,747.4
5536105	12/14/2009	94	94	1.00	94	2114	36.1739%	Chloride	315.00	mg	500	159,615	253,356.8
5536105	12/14/2009	94	94	1.00	94	2114	36.1739%	Chloride	291	mg	500	147,454	253,356.8
5536105	12/13/2004	93	93	1.00	93	2134	36.5161%	Chloride	233.10	mg	500	116,858	250,661.6
5536105	12/13/2004	93	93	1.00	93	2134	36.5161%	Chloride	238.3	mg	500	119,465	250,661.6
5536105	7/9/2001	90	90	1.00	90	2192	37.5086%	Chloride	157.00	mg	500	76,169	242,575.7
5536105	10/9/2006	90	90	1.00	90	2192	37.5086%	Chloride	120.20	mg	500	58,315	242,575.7
5536105	1/14/2013	90	90	1.00	90	2192	37.5086%	Chloride	274.00	mg	500	132,931	242,575.7
5536105	7/9/2001	90	90	1.00	90	2192	37.5086%	Chloride	143	mg	500	69,377	242,575.7
5536105	10/9/2006	90	90	1.00	90	2192	37.5086%	Chloride	118.1	mg	500	57,296	242,575.7

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5536105	4/14/2003	88	88	1.00	88	2246	38.4326%	Chloride	410.40	mg	500	194,682	237,185.1
5536105	4/14/2003	88	88	1.00	88	2246	38.4326%	Chloride	436.3	mg	500	206,968	237,185.1
5536105	11/10/2003	85	85	1.00	85	2319	39.6817%	Chloride	157.80	mg	500	72,304	229,099.3
5536105	4/13/2009	85	85	1.00	85	2319	39.6817%	Chloride	327.00	mg	500	149,831	229,099.3
5536105	5/10/2010	85	85	1.00	85	2319	39.6817%	Chloride	308.00	mg	500	141,125	229,099.3
5536105	11/10/2003	85	85	1.00	85	2319	39.6817%	Chloride	172.9	mg	500	79,223	229,099.3
5536105	4/13/2009	85	85	1.00	85	2319	39.6817%	Chloride	354	mg	500	162,202	229,099.3
5536105	5/10/2010	85	85	1.00	85	2319	39.6817%	Chloride	314	mg	500	143,874	229,099.3
5536105	6/13/2011	83	83	1.00	83	2368	40.5202%	Chloride	209.00	mg	500	93,510	223,708.7
5536105	6/13/2011	83	83	1.00	83	2368	40.5202%	Chloride	216	mg	500	96,642	223,708.7
5536105	9/10/2001	82	82	1.00	82	2396	40.9993%	Chloride	129.00	mg	500	57,021	221,013.4
5536105	9/10/2001	82	82	1.00	82	2396	40.9993%	Chloride	117	mg	500	51,717	221,013.4
5536105	11/14/2011	80	80	1.00	80	2439	41.7351%	Chloride	148.00	mg	500	63,824	215,622.9
5536105	11/14/2011	80	80	1.00	80	2439	41.7351%	Chloride	165	mg	500	71,156	215,622.9
5536105	1/11/2007	78	78	1.00	78	2506	42.8816%	Chloride	157.00	mg	500	66,013	210,232.3
5536105	6/14/2010	77	77	1.00	77	2539	43.4463%	Chloride	192.00	mg	500	79,694	207,537.0
5536105	6/14/2010	77	77	1.00	77	2539	43.4463%	Chloride	222	mg	500	92,146	207,537.0
5536105	11/8/2001	75	75	1.00	75	2598	44.4559%	Chloride	93.30	mg	500	37,721	202,146.4
5536105	8/9/2010	75	75	1.00	75	2598	44.4559%	Chloride	183.00	mg	500	73,986	202,146.4
5536105	8/9/2010	75	75	1.00	75	2598	44.4559%	Chloride	180	mg	500	72,773	202,146.4
5536105	6/11/2001	74	74	1.00	74	2642	45.2088%	Chloride	192.00	mg	500	76,589	199,451.1
5536105	12/19/2001	74	74	1.00	74	2642	45.2088%	Chloride	101.00	mg	500	40,289	199,451.1
5536105	12/8/2008	74	74	1.00	74	2642	45.2088%	Chloride	330.00	mg	500	131,638	199,451.1
5536105	6/10/2013	74	74	1.00	74	2642	45.2088%	Chloride	82.00	mg	500	32,710	199,451.1
5536105	6/11/2001	74	74	1.00	74	2642	45.2088%	Chloride	201	mg	500	80,179	199,451.1
5536105	12/8/2008	74	74	1.00	74	2642	45.2088%	Chloride	345	mg	500	137,621	199,451.1
5536105	12/8/2008	74	74	1.00	74	2642	45.2088%	Chloride	453	mg	500	180,703	199,451.1
5536105	7/14/2003	73	73	1.00	73	2678	45.8248%	Chloride	181.60	mg	500	71,462	196,755.9
5536105	9/7/2006	73	73	1.00	73	2678	45.8248%	Chloride	192.00	mg	500	75,554	196,755.9
5536105	7/14/2003	73	73	1.00	73	2678	45.8248%	Chloride	186.5	mg	500	73,390	196,755.9
5536105	5/2/2001	72	72	1.00	72	2719	46.5264%	Chloride	302.00	mg	500	117,213	194,060.6
5536105	12/13/2010	72	72	1.00	72	2719	46.5264%	Chloride	682.00	mg	500	264,699	194,060.6
5536105	12/13/2010	72	72	1.00	72	2719	46.5264%	Chloride	631	mg	500	244,904	194,060.6
5536105	3/12/2001	70	70	1.00	70	2783	47.6215%	Chloride	389.00	mg	500	146,785	188,670.0
5536105	3/14/2005	70	70	1.00	70	2783	47.6215%	Chloride	693.80	mg	500	261,798	188,670.0
5536105	9/15/2014	70	70	1.00	70	2783	47.6215%	Chloride	204.00	mg	500	76,977	188,670.0
5536105	3/12/2001	70	70	1.00	70	2783	47.6215%	Chloride	490	mg	500	184,897	188,670.0
5536105	3/14/2005	70	70	1.00	70	2783	47.6215%	Chloride	727.8	mg	500	274,628	188,670.0
5536105	8/10/2009	68	68	1.00	68	2854	48.8364%	Chloride	141.00	mg	500	51,685	183,279.4
5536105	8/10/2009	68	68	1.00	68	2854	48.8364%	Chloride	185	mg	500	67,813	183,279.4
5536105	4/5/2005	66	66	1.00	66	2940	50.3080%	Chloride	346.00	mg	500	123,099	177,888.9
5536105	1/9/2006	66	66	1.00	66	2940	50.3080%	Chloride	477.90	mg	500	170,026	177,888.9
5536105	9/28/2006	66	66	1.00	66	2940	50.3080%	Chloride	167.00	mg	500	59,415	177,888.9
5536105	3/23/2009	66	66	1.00	66	2940	50.3080%	Chloride	1650.00	mg	500	587,033	177,888.9
5536105	1/9/2006	66	66	1.00	66	2940	50.3080%	Chloride	525.6	mg	500	186,997	177,888.9
5536105	1/24/2006	65	65	1.00	65	2988	51.1294%	Chloride	709.00	mg	500	248,424	175,193.6
5536105	5/8/2006	65	65	1.00	65	2988	51.1294%	Chloride	280.40	mg	500	98,249	175,193.6

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5536105	6/9/2014	65	65	1.00	65	2988	51.1294%	Chloride	300.00	mg	500	105,116	175,193.6
5536105	5/8/2006	65	65	1.00	65	2988	51.1294%	Chloride	295.8	mg	500	103,645	175,193.6
5536105	4/10/2006	63	63	1.00	63	3078	52.6694%	Chloride	311.20	mg	500	105,685	169,803.0
5536105	1/11/2010	63	63	1.00	63	3078	52.6694%	Chloride	253.00	mg	500	85,920	169,803.0
5536105	4/10/2006	63	63	1.00	63	3078	52.6694%	Chloride	183.9	mg	500	62,454	169,803.0
5536105	1/12/2009	62	62	1.00	62	3120	53.3881%	Chloride	471.00	mg	500	157,415	167,107.7
5536105	5/26/2010	62	62	1.00	62	3120	53.3881%	Chloride	349.00	mg	500	116,641	167,107.7
5536105	1/12/2009	62	62	1.00	62	3120	53.3881%	Chloride	510	mg	500	170,450	167,107.7
5536105	4/9/2007	61	61	1.00	61	3165	54.1581%	Chloride	358.50	mg	500	117,884	164,412.4
5536105	11/12/2013	61	61	1.00	61	3165	54.1581%	Chloride	194.00	mg	500	63,792	164,412.4
5536105	4/9/2007	61	61	1.00	61	3165	54.1581%	Chloride	367.8	mg	500	120,942	164,412.4
5536105	3/7/2006	60	60	1.00	60	3212	54.9624%	Chloride	719.00	mg	500	232,549	161,717.1
5536105	9/10/2012	60	60	1.00	60	3212	54.9624%	Chloride	186.00	mg	500	60,159	161,717.1
5536105	2/5/2004	58	58	1.00	58	3310	56.6393%	Chloride	1086.00	mg	500	339,541	156,326.6
5536105	4/12/2004	57	57	1.00	57	3385	57.9227%	Chloride	279.00	mg	500	85,726	153,631.3
5536105	5/9/2005	57	57	1.00	57	3385	57.9227%	Chloride	325.20	mg	500	99,922	153,631.3
5536105	6/11/2007	57	57	1.00	57	3385	57.9227%	Chloride	328.00	mg	500	100,782	153,631.3
5536105	4/12/2004	57	57	1.00	57	3385	57.9227%	Chloride	290.3	mg	500	89,198	153,631.3
5536105	4/12/2004	57	57	1.00	57	3385	57.9227%	Chloride	317.9	mg	500	97,679	153,631.3
5536105	5/9/2005	57	57	1.00	57	3385	57.9227%	Chloride	336.1	mg	500	103,271	153,631.3
5536105	6/11/2007	57	57	1.00	57	3385	57.9227%	Chloride	346.1	mg	500	106,344	153,631.3
5536105	1/10/2005	56	56	1.00	56	3427	58.6413%	Chloride	523.20	mg	500	157,939	150,936.0
5536105	4/11/2005	56	56	1.00	56	3427	58.6413%	Chloride	400.40	mg	500	120,870	150,936.0
5536105	6/12/2006	56	56	1.00	56	3427	58.6413%	Chloride	216.80	mg	500	65,446	150,936.0
5536105	1/10/2011	56	56	1.00	56	3427	58.6413%	Chloride	412.00	mg	500	124,371	150,936.0
5536105	1/10/2005	56	56	1.00	56	3427	58.6413%	Chloride	400.6	mg	500	120,930	150,936.0
5536105	4/11/2005	56	56	1.00	56	3427	58.6413%	Chloride	405.3	mg	500	122,349	150,936.0
5536105	6/12/2006	56	56	1.00	56	3427	58.6413%	Chloride	209.4	mg	500	63,212	150,936.0
5536105	1/10/2011	56	56	1.00	56	3427	58.6413%	Chloride	479	mg	500	144,597	150,936.0
5536105	10/13/2008	55	55	1.00	55	3488	59.6851%	Chloride	166.00	mg	500	49,216	148,240.7
5536105	5/9/2011	55	55	1.00	55	3488	59.6851%	Chloride	282.00	mg	500	83,608	148,240.7
5536105	12/10/2012	55	55	1.00	55	3488	59.6851%	Chloride	129.00	mg	500	38,246	148,240.7
5536105	10/13/2008	55	55	1.00	55	3488	59.6851%	Chloride	170	mg	500	50,402	148,240.7
5536105	5/9/2011	55	55	1.00	55	3488	59.6851%	Chloride	295	mg	500	87,462	148,240.7
5536105	11/17/2005	54	54	1.00	54	3547	60.6947%	Chloride	236.00	mg	500	68,697	145,545.4
5536105	12/12/2011	54	54	1.00	54	3547	60.6947%	Chloride	187.00	mg	500	54,434	145,545.4
5536105	12/12/2011	54	54	1.00	54	3547	60.6947%	Chloride	206	mg	500	59,965	145,545.4
5536105	4/5/2001	53	53	1.00	53	3593	61.4819%	Chloride	1.00	mg	500	286	142,850.1
5536105	11/9/2009	53	53	1.00	53	3593	61.4819%	Chloride	163.00	mg	500	46,569	142,850.1
5536105	11/9/2009	53	53	1.00	53	3593	61.4819%	Chloride	179	mg	500	51,140	142,850.1
5536105	10/8/2001	52	52	1.00	52	3641	62.3032%	Chloride	119.00	mg	500	33,357	140,154.9
5536105	5/3/2005	52	52	1.00	52	3641	62.3032%	Chloride	294.00	mg	500	82,411	140,154.9
5536105	11/14/2005	52	52	1.00	52	3641	62.3032%	Chloride	177.40	mg	500	49,727	140,154.9
5536105	11/6/2006	52	52	1.00	52	3641	62.3032%	Chloride	148.00	mg	500	41,486	140,154.9
5536105	12/8/2014	52	52	1.00	52	3641	62.3032%	Chloride	225.00	mg	500	63,070	140,154.9
5536105	10/8/2001	52	52	1.00	52	3641	62.3032%	Chloride	119	mg	500	33,357	140,154.9
5536105	11/14/2005	52	52	1.00	52	3641	62.3032%	Chloride	195.9	mg	500	54,913	140,154.9

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5536105	2/14/2012	51	51	1.00	51	3716	63.5866%	Chloride	451.00	mg	500	123,989	137,459.6
5536105	8/5/2013	51	51	1.00	51	3716	63.5866%	Chloride	179.00	mg	500	49,211	137,459.6
5536105	2/14/2012	51	51	1.00	51	3716	63.5866%	Chloride	476	mg	500	130,862	137,459.6
5536105	5/10/2004	50	50	1.00	50	3769	64.4935%	Chloride	338.00	mg	500	91,101	134,764.3
5536105	8/9/2004	50	50	1.00	50	3769	64.4935%	Chloride	156.50	mg	500	42,181	134,764.3
5536105	10/26/2004	50	50	1.00	50	3769	64.4935%	Chloride	134.00	mg	500	36,117	134,764.3
5536105	11/8/2004	50	50	1.00	50	3769	64.4935%	Chloride	155.60	mg	500	41,939	134,764.3
5536105	7/25/2006	50	50	1.00	50	3769	64.4935%	Chloride	410.00	mg	500	110,507	134,764.3
5536105	4/9/2012	50	50	1.00	50	3769	64.4935%	Chloride	422.00	mg	500	113,741	134,764.3
5536105	5/10/2004	50	50	1.00	50	3769	64.4935%	Chloride	292.8	mg	500	78,918	134,764.3
5536105	8/9/2004	50	50	1.00	50	3769	64.4935%	Chloride	167.3	mg	500	45,092	134,764.3
5536105	11/8/2004	50	50	1.00	50	3769	64.4935%	Chloride	165.1	mg	500	44,499	134,764.3
5536105	4/9/2012	50	50	1.00	50	3769	64.4935%	Chloride	331	mg	500	89,214	134,764.3
5536105	12/8/2003	49	49	1.00	49	3839	65.6913%	Chloride	173.80	mg	500	45,907	132,069.0
5536105	9/10/2007	49	49	1.00	49	3839	65.6913%	Chloride	130.90	mg	500	34,576	132,069.0
5536105	7/1/2010	49	49	1.00	49	3839	65.6913%	Chloride	346.00	mg	500	91,392	132,069.0
5536105	5/13/2013	49	49	1.00	49	3839	65.6913%	Chloride	235.00	mg	500	62,072	132,069.0
5536105	12/8/2003	49	49	1.00	49	3839	65.6913%	Chloride	189.4	mg	500	50,028	132,069.0
5536105	9/10/2007	49	49	1.00	49	3839	65.6913%	Chloride	152.8	mg	500	40,360	132,069.0
5536105	11/13/2001	48	48	1.00	48	3913	66.9576%	Chloride	105.00	mg	500	27,168	129,373.7
5536105	2/9/2004	48	48	1.00	48	3913	66.9576%	Chloride	1272.00	mg	500	329,127	129,373.7
5536105	5/14/2012	48	48	1.00	48	3913	66.9576%	Chloride	271.00	mg	500	70,121	129,373.7
5536105	11/13/2001	48	48	1.00	48	3913	66.9576%	Chloride	134	mg	500	34,672	129,373.7
5536105	5/14/2012	48	48	1.00	48	3913	66.9576%	Chloride	286	mg	500	74,002	129,373.7
5536105	7/21/2011	47	47	1.00	47	3975	68.0185%	Chloride	226.00	mg	500	57,259	126,678.4
5536105	8/13/2001	46	46	1.00	46	4028	68.9254%	Chloride	159.00	mg	500	39,427	123,983.1
5536105	12/9/2002	46	46	1.00	46	4028	68.9254%	Chloride	426.90	mg	500	105,857	123,983.1
5536105	6/6/2005	46	46	1.00	46	4028	68.9254%	Chloride	295.00	mg	500	73,150	123,983.1
5536105	2/14/2006	46	46	1.00	46	4028	68.9254%	Chloride	519.70	mg	500	128,868	123,983.1
5536105	12/10/2007	46	46	1.00	46	4028	68.9254%	Chloride	560.00	mg	500	138,861	123,983.1
5536105	10/12/2009	46	46	1.00	46	4028	68.9254%	Chloride	141.00	mg	500	34,963	123,983.1
5536105	8/13/2001	46	46	1.00	46	4028	68.9254%	Chloride	147	mg	500	36,451	123,983.1
5536105	12/9/2002	46	46	1.00	46	4028	68.9254%	Chloride	580.2	mg	500	143,870	123,983.1
5536105	2/14/2006	46	46	1.00	46	4028	68.9254%	Chloride	521.1	mg	500	129,215	123,983.1
5536105	12/10/2007	46	46	1.00	46	4028	68.9254%	Chloride	506.4	mg	500	125,570	123,983.1
5536105	10/12/2009	46	46	1.00	46	4028	68.9254%	Chloride	148	mg	500	36,699	123,983.1
5536105	12/17/2012	45	45	1.00	45	4088	69.9521%	Chloride	171.00	mg	500	41,480	121,287.9
5536105	7/15/2013	45	45	1.00	45	4088	69.9521%	Chloride	209.00	mg	500	50,698	121,287.9
5536105	12/10/2013	45	45	1.00	45	4088	69.9521%	Chloride	468.00	mg	500	113,525	121,287.9
5536105	10/26/2005	44	44	1.00	44	4147	70.9617%	Chloride	180.00	mg	500	42,693	118,592.6
5536105	5/20/2013	44	44	1.00	44	4147	70.9617%	Chloride	307.00	mg	500	72,816	118,592.6
5536105	12/9/2013	43	43	1.00	43	4191	71.7146%	Chloride	236.00	mg	500	54,704	115,897.3
5536105	11/10/2014	43	43	1.00	43	4191	71.7146%	Chloride	214.00	mg	500	49,604	115,897.3
5536105	9/9/2002	42	42	1.00	42	4262	72.9295%	Chloride	114.90	mg	500	26,014	113,202.0
5536105	11/23/2004	42	42	1.00	42	4262	72.9295%	Chloride	141.00	mg	500	31,923	113,202.0
5536105	5/14/2007	42	42	1.00	42	4262	72.9295%	Chloride	305.60	mg	500	69,189	113,202.0
5536105	12/8/2009	42	42	1.00	42	4262	72.9295%	Chloride	411.00	mg	500	93,052	113,202.0

Note: Workbook display in appendices trimmed to dates with instream concentration data

5536105	5/29/2012	42	42	1.00	42	4262	72.9295%	Chloride	232.00	mg	500	52,526	113,202.0
5536105	8/12/2013	42	42	1.00	42	4262	72.9295%	Chloride	23.00	mg	500	5,207	113,202.0
5536105	9/9/2002	42	42	1.00	42	4262	72.9295%	Chloride	121.7	mg	500	27,553	113,202.0
5536105	5/14/2007	42	42	1.00	42	4262	72.9295%	Chloride	325.4	mg	500	73,672	113,202.0
5536105	11/10/2008	41	41	1.00	41	4334	74.1615%	Chloride	189.00	mg	500	41,772	110,506.7
5536105	2/8/2010	41	41	1.00	41	4334	74.1615%	Chloride	447.00	mg	500	98,793	110,506.7
5536105	11/10/2008	41	41	1.00	41	4334	74.1615%	Chloride	155	mg	500	34,257	110,506.7
5536105	11/10/2008	41	41	1.00	41	4334	74.1615%	Chloride	170	mg	500	37,572	110,506.7
5536105	2/8/2010	41	41	1.00	41	4334	74.1615%	Chloride	448	mg	500	99,014	110,506.7
5536105	12/10/2001	39	39	1.00	39	4453	76.1978%	Chloride	33.00	mg	500	6,938	105,116.1
5536105	1/12/2004	39	39	1.00	39	4453	76.1978%	Chloride	320.40	mg	500	67,358	105,116.1
5536105	10/13/2014	39	39	1.00	39	4453	76.1978%	Chloride	239.00	mg	500	50,246	105,116.1
5536105	12/10/2001	39	39	1.00	39	4453	76.1978%	Chloride	149	mg	500	31,325	105,116.1
5536105	1/12/2004	39	39	1.00	39	4453	76.1978%	Chloride	364.5	mg	500	76,630	105,116.1
5536105	10/14/2002	38	38	1.00	38	4530	77.5154%	Chloride	137.80	mg	500	28,227	102,420.9
5536105	9/13/2010	38	38	1.00	38	4530	77.5154%	Chloride	171.00	mg	500	35,028	102,420.9
5536105	7/11/2011	38	38	1.00	38	4530	77.5154%	Chloride	245.00	mg	500	50,186	102,420.9
5536105	10/14/2002	38	38	1.00	38	4530	77.5154%	Chloride	127.3	mg	500	26,076	102,420.9
5536105	7/11/2011	38	38	1.00	38	4530	77.5154%	Chloride	281	mg	500	57,561	102,420.9
5536105	8/10/2000	37	37	1.00	37	4597	78.6619%	Chloride	133.00	mg	500	26,527	99,725.6
5536105	11/12/2002	37	37	1.00	37	4597	78.6619%	Chloride	147.70	mg	500	29,459	99,725.6
5536105	10/11/2004	37	37	1.00	37	4597	78.6619%	Chloride	133.70	mg	500	26,667	99,725.6
5536105	7/13/2009	37	37	1.00	37	4597	78.6619%	Chloride	194.00	mg	500	38,694	99,725.6
5536105	9/16/2010	37	37	1.00	37	4597	78.6619%	Chloride	116.00	mg	500	23,136	99,725.6
5536105	11/13/2012	37	37	1.00	37	4597	78.6619%	Chloride	159.00	mg	500	31,713	99,725.6
5536105	11/12/2002	37	37	1.00	37	4597	78.6619%	Chloride	157.8	mg	500	31,473	99,725.6
5536105	10/11/2004	37	37	1.00	37	4597	78.6619%	Chloride	108.4	mg	500	21,621	99,725.6
5536105	7/13/2009	37	37	1.00	37	4597	78.6619%	Chloride	208	mg	500	41,486	99,725.6
5536105	8/11/2003	36	36	1.00	36	4672	79.9452%	Chloride	165.10	mg	500	32,039	97,030.3
5536105	10/14/2013	36	36	1.00	36	4672	79.9452%	Chloride	191.00	mg	500	37,066	97,030.3
5536105	8/11/2003	36	36	1.00	36	4672	79.9452%	Chloride	175.5	mg	500	34,058	97,030.3
5536105	1/30/2002	35	35	1.00	35	4743	81.1602%	Chloride	217.00	mg	500	40,941	94,335.0
5536105	6/28/2011	35	35	1.00	35	4743	81.1602%	Chloride	241.00	mg	500	45,469	94,335.0
5536105	7/16/2012	35	35	1.00	35	4743	81.1602%	Chloride	156.00	mg	500	29,433	94,335.0
5536105	7/16/2012	35	35	1.00	35	4743	81.1602%	Chloride	178	mg	500	33,583	94,335.0
5536105	7/1/2002	34	34	1.00	34	4804	82.2040%	Chloride	183.00	mg	500	33,540	91,639.7
5536105	12/12/2002	34	34	1.00	34	4804	82.2040%	Chloride	263.00	mg	500	48,202	91,639.7
5536105	10/8/2007	34	34	1.00	34	4804	82.2040%	Chloride	158.40	mg	500	29,031	91,639.7
5536105	10/8/2007	34	34	1.00	34	4804	82.2040%	Chloride	206.1	mg	500	37,774	91,639.7
5536105	7/9/2007	33	33	1.00	33	4873	83.3847%	Chloride	286.40	mg	500	50,947	88,944.4
5536105	7/9/2007	33	33	1.00	33	4873	83.3847%	Chloride	266.7	mg	500	47,443	88,944.4
5536105	9/15/2009	32	32	1.00	32	4949	84.6851%	Chloride	228.00	mg	500	39,330	86,249.1
5536105	10/10/2011	32	32	1.00	32	4949	84.6851%	Chloride	172.00	mg	500	29,670	86,249.1
5536105	10/10/2011	32	32	1.00	32	4949	84.6851%	Chloride	191	mg	500	32,947	86,249.1
5536105	6/13/2005	31	31	1.00	31	5016	85.8316%	Chloride	267.00	mg	500	44,618	83,553.9
5536105	8/6/2009	31	31	1.00	31	5016	85.8316%	Chloride	254.00	mg	500	42,445	83,553.9
5536105	6/13/2005	31	31	1.00	31	5016	85.8316%	Chloride	274.6	mg	500	45,888	83,553.9

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5536105	10/29/2002	30	30	1.00	30	5061	86.6016%	Chloride	111.00	mg	500	17,951	80,858.6
5536105	3/10/2003	30	30	1.00	30	5061	86.6016%	Chloride	160.20	mg	500	25,907	80,858.6
5536105	9/14/2009	30	30	1.00	30	5061	86.6016%	Chloride	175.00	mg	500	28,300	80,858.6
5536105	9/14/2009	30	30	1.00	30	5061	86.6016%	Chloride	178	mg	500	28,786	80,858.6
5536105	9/17/2002	29	29	1.00	29	5128	87.7481%	Chloride	146.00	mg	500	22,824	78,163.3
5536105	10/29/2013	29	29	1.00	29	5128	87.7481%	Chloride	176.00	mg	500	27,513	78,163.3
5536105	1/14/2002	28	28	1.00	28	5207	89.0999%	Chloride	146.00	mg	500	22,037	75,468.0
5536105	7/30/2002	28	28	1.00	28	5207	89.0999%	Chloride	99.00	mg	500	14,943	75,468.0
5536105	1/13/2003	28	28	1.00	28	5207	89.0999%	Chloride	376.50	mg	500	56,827	75,468.0
5536105	11/13/2007	28	28	1.00	28	5207	89.0999%	Chloride	176.20	mg	500	26,595	75,468.0
5536105	1/14/2002	28	28	1.00	28	5207	89.0999%	Chloride	159	mg	500	23,999	75,468.0
5536105	1/13/2003	28	28	1.00	28	5207	89.0999%	Chloride	420.9	mg	500	63,529	75,468.0
5536105	11/13/2007	28	28	1.00	28	5207	89.0999%	Chloride	177	mg	500	26,716	75,468.0
5536105	9/17/2012	27	27	1.00	27	5291	90.5373%	Chloride	216.00	mg	500	31,438	72,772.7
5536105	9/13/2004	26	26	1.00	26	5368	91.8549%	Chloride	131.60	mg	500	18,444	70,077.4
5536105	9/14/2004	26	26	1.00	26	5368	91.8549%	Chloride	180.00	mg	500	25,228	70,077.4
5536105	9/13/2004	26	26	1.00	26	5368	91.8549%	Chloride	179.9	mg	500	25,214	70,077.4
5536105	11/1/2000	25	25	1.00	25	5437	93.0356%	Chloride	166.00	mg	500	22,371	67,382.1
5536105	10/13/2003	25	25	1.00	25	5437	93.0356%	Chloride	151.30	mg	500	20,390	67,382.1
5536105	7/19/2006	25	25	1.00	25	5437	93.0356%	Chloride	524.00	mg	500	70,616	67,382.1
5536105	8/14/2006	25	25	1.00	25	5437	93.0356%	Chloride	187.10	mg	500	25,214	67,382.1
5536105	8/11/2008	25	25	1.00	25	5437	93.0356%	Chloride	197.00	mg	500	26,549	67,382.1
5536105	6/11/2012	25	25	1.00	25	5437	93.0356%	Chloride	267.00	mg	500	35,982	67,382.1
5536105	10/13/2003	25	25	1.00	25	5437	93.0356%	Chloride	168.2	mg	500	22,667	67,382.1
5536105	8/14/2006	25	25	1.00	25	5437	93.0356%	Chloride	220.4	mg	500	29,702	67,382.1
5536105	8/11/2008	25	25	1.00	25	5437	93.0356%	Chloride	227	mg	500	30,591	67,382.1
5536105	6/11/2012	25	25	1.00	25	5437	93.0356%	Chloride	296	mg	500	39,890	67,382.1
5536105	7/8/2002	24	24	1.00	24	5501	94.1307%	Chloride	141.20	mg	500	18,268	64,686.9
5536105	9/12/2011	24	24	1.00	24	5501	94.1307%	Chloride	175.00	mg	500	22,640	64,686.9
5536105	7/8/2002	24	24	1.00	24	5501	94.1307%	Chloride	166.4	mg	500	21,528	64,686.9
5536105	9/12/2011	24	24	1.00	24	5501	94.1307%	Chloride	221	mg	500	28,592	64,686.9
5536105	9/7/2005	23	23	1.00	23	5545	94.8836%	Chloride	240.00	mg	500	29,756	61,991.6
5536105	9/12/2005	23	23	1.00	23	5545	94.8836%	Chloride	147.30	mg	500	18,263	61,991.6
5536105	9/12/2005	23	23	1.00	23	5545	94.8836%	Chloride	171.1	mg	500	21,214	61,991.6
5536105	10/10/2005	22	22	1.00	22	5598	95.7906%	Chloride	223.70	mg	500	26,529	59,296.3
5536105	10/10/2005	22	22	1.00	22	5598	95.7906%	Chloride	239.6	mg	500	28,415	59,296.3
5536105	7/11/2005	21	21	1.00	21	5648	96.6461%	Chloride	296.50	mg	500	33,564	56,601.0
5536105	7/11/2005	21	21	1.00	21	5648	96.6461%	Chloride	315.8	mg	500	35,749	56,601.0
5536105	10/8/2012	20	20	1.00	20	5688	97.3306%	Chloride	171.00	mg	500	18,436	53,905.7
5536105	9/8/2003	19	19	1.00	19	5732	98.0835%	Chloride	145.80	mg	500	14,933	51,210.4
5536105	6/25/2012	19	19	1.00	19	5732	98.0835%	Chloride	287.00	mg	500	29,395	51,210.4
5536105	9/26/2013	19	19	1.00	19	5732	98.0835%	Chloride	195.00	mg	500	19,972	51,210.4
5536105	9/8/2003	19	19	1.00	19	5732	98.0835%	Chloride	164.3	mg	500	16,828	51,210.4
5536105	10/11/2010	18	18	1.00	18	5780	98.9049%	Chloride	191.00	mg	500	18,533	48,515.1
5536105	7/10/2006	17	17	1.00	17	5802	99.2813%	Chloride	214.40	mg	500	19,648	45,819.9
5536105	7/10/2006	17	17	1.00	17	5802	99.2813%	Chloride	212.7	mg	500	19,492	45,819.9
5536105	8/12/2002	16	16	1.00	16	5814	99.4867%	Chloride	114.50	mg	500	9,876	43,124.6

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5536105	11/8/2010	16	16	1.00	16	5814	99.4867%	Chloride	176.00	mg	500	15,180	43,124.6
5536105	8/12/2002	16	16	1.00	16	5814	99.4867%	Chloride	127.5	mg	500	10,997	43,124.6
5536105	11/9/2010	15	15	1.00	15	5829	99.7433%	Chloride	169.00	mg	500	13,665	40,429.3
5536105	8/8/2005	13	13	1.00	13	5839	99.9144%	Chloride	200.00	mg	500	14,015	35,038.7
5536105	8/8/2005	13	13	1.00	13	5839	99.9144%	Chloride	202.6	mg	500	14,198	35,038.7
5536105	8/8/2005	13	13	1.00	13	5839	99.9144%	Chloride	237.5	mg	500	16,643	35,038.7

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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	Actual Load (million colonies/day)	Allowable Load (million colonies/day)
5536105	5/13/2002	939	939	1.00	939.00	58	1.9588%	Fecal	25000	CFU/100 mL	574,397,568	4,595,180.5
5536105	6/9/2008	791	791	1.00	791.00	85	2.8707%	Fecal	20000	CFU/100 mL	387,091,354	3,870,913.5
5536105	5/12/2003	714	714	1.00	714.00	106	3.5799%	Fecal	13000	CFU/100 mL	227,116,431	3,494,098.9
5536105	6/2/2011	490	490	1.00	490.00	189	6.3830%	Fecal	530	CFU/100 mL	6,354,464	2,397,911.0
5536105	8/8/2011	470	470	1.00	470.00	203	6.8558%	Fecal	10000	CFU/100 mL	115,001,856	2,300,037.1
5536105	8/8/2011	470	470	1.00	470.00	203	6.8558%	Fecal	23000	CFU/100 mL	264,504,269	2,300,037.1
5536105	9/8/2008	370	370	1.00	370.00	274	9.2536%	Fecal	780	CFU/100 mL	7,061,603	1,810,667.5
5536105	7/1/2013	349	349	1.00	349.00	289	9.7602%	Fecal	3000	CFU/100 mL	25,618,499	1,707,899.9
5536105	6/14/2004	319	319	1.00	319.00	324	10.9422%	Fecal	100000	CFU/100 mL	780,544,512	1,561,089.0
5536105	9/11/2006	299	299	1.00	299.00	354	11.9554%	Fecal	11000	CFU/100 mL	80,476,831	1,463,215.1
5536105	5/12/2008	270	270	1.00	270.00	384	12.9686%	Fecal	2600	CFU/100 mL	17,176,873	1,321,297.9
5536105	6/10/2002	256	256	1.00	256.00	407	13.7454%	Fecal	250	CFU/100 mL	1,565,983	1,252,786.2
5536105	5/14/2001	246	246	1.00	246.00	427	14.4208%	Fecal	450	CFU/100 mL	2,708,661	1,203,849.2
5536105	7/14/2008	220	220	1.00	220.00	480	16.2107%	Fecal	680	CFU/100 mL	3,660,485	1,076,613.1
5536105	10/20/2011	213	213	1.00	213.00	498	16.8186%	Fecal	5200	CFU/100 mL	27,101,288	1,042,357.2
5536105	8/13/2007	207	207	1.00	207.00	514	17.3590%	Fecal	500	CFU/100 mL	2,532,488	1,012,995.1
5536105	9/16/2013	161	161	1.00	161.00	628	21.2091%	Fecal	10000	CFU/100 mL	39,394,253	787,885.1
5536105	7/12/2010	157	157	1.00	157.00	640	21.6143%	Fecal	4500	CFU/100 mL	17,286,981	768,310.3
5536105	7/12/2010	157	157	1.00	157.00	640	21.6143%	Fecal	20000	CFU/100 mL	76,831,027	768,310.3
5536105	5/12/2014	156	156	1.00	156.00	647	21.8507%	Fecal	300	CFU/100 mL	1,145,125	763,416.6
5536105	7/12/2004	152	152	1.00	152.00	661	22.3235%	Fecal	990	CFU/100 mL	3,682,017	743,841.8
5536105	6/8/2009	148	148	1.00	148.00	679	22.9314%	Fecal	1400	CFU/100 mL	5,069,869	724,267.0
5536105	7/14/2014	138	138	1.00	138.00	722	24.3837%	Fecal	2900	CFU/100 mL	9,792,286	675,330.0
5536105	8/11/2014	130	130	1.00	130.00	760	25.6670%	Fecal	3400	CFU/100 mL	10,815,068	636,180.5
5536105	8/13/2012	112	112	1.00	112.00	856	28.9092%	Fecal	1300	CFU/100 mL	3,562,611	548,094.0
5536105	6/9/2003	112	112	1.00	112.00	856	28.9092%	Fecal	2600	CFU/100 mL	7,125,221	548,094.0
5536105	7/24/2012	109	109	1.00	109.00	876	29.5846%	Fecal	1900	CFU/100 mL	5,067,422	533,412.9
5536105	5/11/2009	96	96	1.00	96.00	962	32.4890%	Fecal	330	CFU/100 mL	775,161	469,794.8
5536105	7/9/2001	90	90	1.00	90.00	1005	33.9412%	Fecal	2900	CFU/100 mL	6,386,273	440,432.6
5536105	10/9/2006	90	90	1.00	90.00	1005	33.9412%	Fecal	820	CFU/100 mL	1,805,774	440,432.6
5536105	5/10/2010	85	85	1.00	85.00	1059	35.7649%	Fecal	520	CFU/100 mL	1,081,507	415,964.2
5536105	5/10/2010	85	85	1.00	85.00	1059	35.7649%	Fecal	40	CFU/100 mL	83,193	415,964.2
5536105	6/13/2011	83	83	1.00	83.00	1072	36.2040%	Fecal	1600	CFU/100 mL	3,249,414	406,176.8
5536105	6/13/2011	83	83	1.00	83.00	1072	36.2040%	Fecal	590	CFU/100 mL	1,198,221	406,176.8
5536105	9/10/2001	82	82	1.00	82.00	1086	36.6768%	Fecal	4100	CFU/100 mL	8,226,303	401,283.1
5536105	6/14/2010	77	77	1.00	77.00	1134	38.2979%	Fecal	51000	CFU/100 mL	96,087,721	376,814.6
5536105	6/14/2010	77	77	1.00	77.00	1134	38.2979%	Fecal	680	CFU/100 mL	1,281,170	376,814.6
5536105	8/9/2010	75	75	1.00	75.00	1158	39.1084%	Fecal	320	CFU/100 mL	587,244	367,027.2
5536105	8/9/2010	75	75	1.00	75.00	1158	39.1084%	Fecal	410	CFU/100 mL	752,406	367,027.2
5536105	6/10/2013	74	74	1.00	74.00	1184	39.9865%	Fecal	460	CFU/100 mL	832,907	362,133.5
5536105	6/11/2001	74	74	1.00	74.00	1184	39.9865%	Fecal	540	CFU/100 mL	977,760	362,133.5
5536105	7/14/2003	73	73	1.00	73.00	1197	40.4255%	Fecal	920	CFU/100 mL	1,643,303	357,239.8
5536105	9/15/2014	70	70	1.00	70.00	1246	42.0804%	Fecal	600	CFU/100 mL	1,027,676	342,558.7
5536105	8/10/2009	68	68	1.00	68.00	1281	43.2624%	Fecal	460	CFU/100 mL	765,374	332,771.3
5536105	6/9/2014	65	65	1.00	65.00	1327	44.8159%	Fecal	3200	CFU/100 mL	5,089,444	318,090.2
5536105	5/8/2006	65	65	1.00	65.00	1327	44.8159%	Fecal	420	CFU/100 mL	667,990	318,090.2
5536105	9/10/2012	60	60	1.00	60.00	1416	47.8217%	Fecal	960	CFU/100 mL	1,409,384	293,621.8
5536105	5/9/2005	57	57	1.00	57.00	1498	50.5910%	Fecal	460	CFU/100 mL	641,564	278,940.7
5536105	6/11/2007	57	57	1.00	57.00	1498	50.5910%	Fecal	5200	CFU/100 mL	7,252,457	278,940.7
5536105	6/12/2006	56	56	1.00	56.00	1520	51.3340%	Fecal	800	CFU/100 mL	1,096,188	274,047.0
5536105	5/9/2011	55	55	1.00	55.00	1539	51.9757%	Fecal	640	CFU/100 mL	861,290	269,153.3
5536105	10/13/2008	55	55	1.00	55.00	1539	51.9757%	Fecal	280	CFU/100 mL	376,815	269,153.3
5536105	5/9/2011	55	55	1.00	55.00	1539	51.9757%	Fecal	90	CFU/100 mL	121,119	269,153.3
5536105	10/8/2001	52	52	1.00	52.00	1612	54.4411%	Fecal	940	CFU/100 mL	1,196,019	254,472.2
5536105	8/5/2013	51	51	1.00	51.00	1642	55.4542%	Fecal	1400	CFU/100 mL	1,747,049	249,578.5
5536105	5/10/2004	50	50	1.00	50.00	1665	56.2310%	Fecal	680	CFU/100 mL	831,928	244,684.8
5536105	8/9/2004	50	50	1.00	50.00	1665	56.2310%	Fecal	1100	CFU/100 mL	1,345,766	244,684.8

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5536105	5/13/2013	49	49	1.00	49.00	1690	57.0753%	Fecal	200	CFU/100 mL	239,791	239,791.1
5536105	9/10/2007	49	49	1.00	49.00	1690	57.0753%	Fecal	680	CFU/100 mL	815,290	239,791.1
5536105	5/14/2012	48	48	1.00	48.00	1728	58.3587%	Fecal	400	CFU/100 mL	469,795	234,897.4
5536105	5/14/2012	48	48	1.00	48.00	1728	58.3587%	Fecal	100	CFU/100 mL	117,449	234,897.4
5536105	8/13/2001	46	46	1.00	46.00	1781	60.1486%	Fecal	2400	CFU/100 mL	2,701,320	225,110.0
5536105	10/12/2009	46	46	1.00	46.00	1781	60.1486%	Fecal	320	CFU/100 mL	360,176	225,110.0
5536105	7/15/2013	45	45	1.00	45.00	1806	60.9929%	Fecal	290	CFU/100 mL	319,314	220,216.3
5536105	5/20/2013	44	44	1.00	44.00	1836	62.0061%	Fecal	420	CFU/100 mL	452,178	215,322.6
5536105	5/29/2012	42	42	1.00	42.00	1896	64.0324%	Fecal	480	CFU/100 mL	493,285	205,535.2
5536105	8/12/2013	42	42	1.00	42.00	1896	64.0324%	Fecal	410	CFU/100 mL	421,347	205,535.2
5536105	9/9/2002	42	42	1.00	42.00	1896	64.0324%	Fecal	580	CFU/100 mL	596,052	205,535.2
5536105	5/14/2007	42	42	1.00	42.00	1896	64.0324%	Fecal	330	CFU/100 mL	339,133	205,535.2
5536105	10/13/2014	39	39	1.00	39.00	2001	67.5785%	Fecal	420	CFU/100 mL	400,794	190,854.1
5536105	7/11/2011	38	38	1.00	38.00	2044	69.0307%	Fecal	13000	CFU/100 mL	12,087,429	185,960.4
5536105	9/13/2010	38	38	1.00	38.00	2044	69.0307%	Fecal	600	CFU/100 mL	557,881	185,960.4
5536105	10/14/2002	38	38	1.00	38.00	2044	69.0307%	Fecal	870	CFU/100 mL	808,928	185,960.4
5536105	7/11/2011	38	38	1.00	38.00	2044	69.0307%	Fecal	10000	CFU/100 mL	9,298,022	185,960.4
5536105	10/11/2004	37	37	1.00	37.00	2083	70.3479%	Fecal	1300	CFU/100 mL	1,176,934	181,066.8
5536105	7/13/2009	37	37	1.00	37.00	2083	70.3479%	Fecal	470	CFU/100 mL	425,507	181,066.8
5536105	10/14/2013	36	36	1.00	36.00	2130	71.9352%	Fecal	300	CFU/100 mL	264,260	176,173.1
5536105	8/11/2003	36	36	1.00	36.00	2130	71.9352%	Fecal	680	CFU/100 mL	598,988	176,173.1
5536105	6/28/2011	35	35	1.00	35.00	2171	73.3198%	Fecal	7200	CFU/100 mL	6,166,057	171,279.4
5536105	7/16/2012	35	35	1.00	35.00	2171	73.3198%	Fecal	540	CFU/100 mL	462,454	171,279.4
5536105	7/16/2012	35	35	1.00	35.00	2171	73.3198%	Fecal	230	CFU/100 mL	196,971	171,279.4
5536105	10/8/2007	34	34	1.00	34.00	2210	74.6369%	Fecal	680	CFU/100 mL	565,711	166,385.7
5536105	7/9/2007	33	33	1.00	33.00	2257	76.2242%	Fecal	980	CFU/100 mL	791,311	161,492.0
5536105	10/10/2011	32	32	1.00	32.00	2307	77.9129%	Fecal	200	CFU/100 mL	156,598	156,598.3
5536105	10/10/2011	32	32	1.00	32.00	2307	77.9129%	Fecal	180	CFU/100 mL	140,938	156,598.3
5536105	6/13/2005	31	31	1.00	31.00	2356	79.5677%	Fecal	830	CFU/100 mL	629,574	151,704.6
5536105	9/14/2009	30	30	1.00	30.00	2386	80.5809%	Fecal	540	CFU/100 mL	396,389	146,810.9
5536105	10/29/2013	29	29	1.00	29.00	2434	82.2020%	Fecal	18000	CFU/100 mL	12,772,547	141,917.2
5536105	9/17/2012	27	27	1.00	27.00	2535	85.6130%	Fecal	860	CFU/100 mL	568,158	132,129.8
5536105	9/13/2004	26	26	1.00	26.00	2585	87.3016%	Fecal	380	CFU/100 mL	241,749	127,236.1
5536105	6/11/2012	25	25	1.00	25.00	2629	88.7876%	Fecal	30	CFU/100 mL	18,351	122,342.4
5536105	10/13/2003	25	25	1.00	25.00	2629	88.7876%	Fecal	760	CFU/100 mL	464,901	122,342.4
5536105	8/14/2006	25	25	1.00	25.00	2629	88.7876%	Fecal	460	CFU/100 mL	281,388	122,342.4
5536105	8/11/2008	25	25	1.00	25.00	2629	88.7876%	Fecal	910	CFU/100 mL	556,658	122,342.4
5536105	6/11/2012	25	25	1.00	25.00	2629	88.7876%	Fecal	180	CFU/100 mL	110,108	122,342.4
5536105	9/12/2011	24	24	1.00	24.00	2683	90.6113%	Fecal	1200	CFU/100 mL	704,692	117,448.7
5536105	7/8/2002	24	24	1.00	24.00	2683	90.6113%	Fecal	860	CFU/100 mL	505,029	117,448.7
5536105	9/12/2011	24	24	1.00	24.00	2683	90.6113%	Fecal	120	CFU/100 mL	70,469	117,448.7
5536105	9/12/2011	24	24	1.00	24.00	2683	90.6113%	Fecal	290	CFU/100 mL	170,301	117,448.7
5536105	9/12/2005	23	23	1.00	23.00	2723	91.9622%	Fecal	710	CFU/100 mL	399,570	112,555.0
5536105	10/29/2012	22	22	1.00	22.00	2766	93.4144%	Fecal	490	CFU/100 mL	263,770	107,661.3
5536105	10/10/2005	22	22	1.00	22.00	2766	93.4144%	Fecal	800	CFU/100 mL	430,645	107,661.3
5536105	7/11/2005	21	21	1.00	21.00	2808	94.8328%	Fecal	2200	CFU/100 mL	1,130,444	102,767.6
5536105	10/8/2012	20	20	1.00	20.00	2844	96.0486%	Fecal	230	CFU/100 mL	112,555	97,873.9
5536105	6/25/2012	19	19	1.00	19.00	2878	97.1969%	Fecal	2000	CFU/100 mL	929,802	92,980.2
5536105	9/8/2003	19	19	1.00	19.00	2878	97.1969%	Fecal	730	CFU/100 mL	339,378	92,980.2
5536105	10/11/2010	18	18	1.00	18.00	2915	98.4465%	Fecal	380	CFU/100 mL	167,364	88,086.5
5536105	7/10/2006	17	17	1.00	17.00	2933	99.0544%	Fecal	570	CFU/100 mL	237,100	83,192.8
5536105	8/12/2002	16	16	1.00	16.00	2940	99.2908%	Fecal	640	CFU/100 mL	250,557	78,299.1
5536105	8/8/2005	13	13	1.00	13.00	2956	99.8311%	Fecal	8500	CFU/100 mL	2,703,767	63,618.0
5536105	8/8/2005	13	13	1.00	13.00	2956	99.8311%	Fecal	920	CFU/100 mL	292,643	63,618.0

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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 (lbs/day)	Allowable Load (lbs/day)
5535500	6/9/2008	140	140	1.00	140	57	0.9164%	Chloride	222.00	mg/L	500	167,539	377,340.0
5535500	3/13/2006	136	136	1.00	136	64	1.0289%	Chloride	310.00	mg/L	500	227,266	366,558.8
5535500	9/11/2006	135	135	1.00	135	66	1.0611%	Chloride	89.00	mg/L	500	64,768	363,863.6
5535500	3/9/2009	105	105	1.00	105	123	1.9775%	Chloride	349.00	mg/L	500	197,537	283,005.0
5535500	5/12/2003	93	93	1.00	93	155	2.4920%	Chloride	234.70	mg/L	500	117,661	250,661.6
5535500	3/12/2007	88	88	1.00	88	167	2.6849%	Chloride	472.80	mg/L	500	224,282	237,185.1
5535500	8/8/2011	87	87	1.00	87	176	2.8296%	Chloride	131.00	mg/L	500	61,436	234,489.8
5535500	4/8/2002	60	60	1.00	60	341	5.4823%	Chloride	517.70	mg/L	500	167,442	161,717.1
5535500	2/14/2005	50	50	1.00	50	448	7.2026%	Chloride	593.70	mg/L	500	160,019	134,764.3
5535500	5/13/2002	48	48	1.00	48	466	7.4920%	Chloride	182.70	mg/L	500	47,273	129,373.7
5535500	9/8/2008	46	46	1.00	46	491	7.8939%	Chloride	247.00	mg/L	500	61,248	123,983.1
5535500	4/14/2008	39	39	1.00	39	603	9.6945%	Chloride	419.00	mg/L	500	88,087	105,116.1
5535500	9/6/2006	31	31	1.00	31	789	12.6849%	Chloride	264.00	mg/L	500	44,116	83,553.9
5535500	3/8/2004	30	30	1.00	30	825	13.2637%	Chloride	566.40	mg/L	500	91,597	80,858.6
5535500	12/11/2006	30	30	1.00	30	825	13.2637%	Chloride	460.20	mg/L	500	74,422	80,858.6
5535500	2/9/2009	28	28	1.00	28	888	14.2765%	Chloride	735.00	mg/L	500	110,938	75,468.0
5535500	8/9/2010	28	28	1.00	28	888	14.2765%	Chloride	106.00	mg/L	500	15,999	75,468.0
5535500	6/14/2004	26	26	1.00	26	978	15.7235%	Chloride	291.60	mg/L	500	40,869	70,077.4
5535500	3/11/2002	25	25	1.00	25	1014	16.3023%	Chloride	434.00	mg/L	500	58,488	67,382.1
5535500	6/8/2009	25	25	1.00	25	1014	16.3023%	Chloride	151.00	mg/L	500	20,349	67,382.1
5535500	2/11/2002	23	23	1.00	23	1098	17.6527%	Chloride	288.00	mg/L	500	35,707	61,991.6
5535500	3/8/2010	22	22	1.00	22	1155	18.5691%	Chloride	1038.00	mg/L	500	123,099	59,296.3
5535500	9/19/2011	22	22	1.00	22	1155	18.5691%	Chloride	132.00	mg/L	500	15,654	59,296.3
5535500	1/17/2012	20	20	1.00	20	1272	20.4502%	Chloride	1255.00	mg/L	500	135,303	53,905.7
5535500	5/14/2001	19	19	1.00	19	1334	21.4469%	Chloride	289.00	mg/L	500	29,600	51,210.4
5535500	12/14/2009	18	18	1.00	18	1409	22.6527%	Chloride	535.00	mg/L	500	51,911	48,515.1
5535500	3/12/2012	18	18	1.00	18	1409	22.6527%	Chloride	193.00	mg/L	500	18,727	48,515.1
5535500	4/9/2001	17	17	1.00	17	1504	24.1801%	Chloride	485.00	mg/L	500	44,445	45,819.9
5535500	5/12/2008	17	17	1.00	17	1504	24.1801%	Chloride	545.00	mg/L	500	49,944	45,819.9
5535500	6/10/2002	16	16	1.00	16	1595	25.6431%	Chloride	160.40	mg/L	500	13,834	43,124.6
5535500	2/14/2011	16	16	1.00	16	1595	25.6431%	Chloride	2076.00	mg/L	500	179,053	43,124.6
5535500	7/21/2006	15	15	1.00	15	1682	27.0418%	Chloride	651.00	mg/L	500	52,639	40,429.3
5535500	4/12/2010	15	15	1.00	15	1682	27.0418%	Chloride	442.00	mg/L	500	35,739	40,429.3
5535500	4/11/2011	15	15	1.00	15	1682	27.0418%	Chloride	553.00	mg/L	500	44,715	40,429.3
5535500	9/18/2006	14	14	1.00	14	1794	28.8424%	Chloride	194.00	mg/L	500	14,641	37,734.0
5535500	8/13/2007	14	14	1.00	14	1794	28.8424%	Chloride	235.50	mg/L	500	17,773	37,734.0
5535500	3/10/2008	14	14	1.00	14	1794	28.8424%	Chloride	665.00	mg/L	500	50,186	37,734.0
5535500	4/13/2009	14	14	1.00	14	1794	28.8424%	Chloride	507.00	mg/L	500	38,262	37,734.0
5535500	3/12/2001	13	13	1.00	13	1936	31.1254%	Chloride	592.00	mg/L	500	41,486	35,038.7
5535500	6/11/2001	13	13	1.00	13	1936	31.1254%	Chloride	312.00	mg/L	500	21,864	35,038.7
5535500	10/9/2006	13	13	1.00	13	1936	31.1254%	Chloride	175.20	mg/L	500	12,278	35,038.7
5535500	1/8/2007	13	13	1.00	13	1936	31.1254%	Chloride	240.70	mg/L	500	16,868	35,038.7
5535500	3/14/2011	13	13	1.00	13	1936	31.1254%	Chloride	710.00	mg/L	500	49,755	35,038.7
5535500	3/14/2005	11	11	1.00	11	2252	36.2058%	Chloride	850.30	mg/L	500	50,420	29,648.1
5535500	7/14/2008	11	11	1.00	11	2252	36.2058%	Chloride	282.00	mg/L	500	16,722	29,648.1
5535500	5/10/2010	11	11	1.00	11	2252	36.2058%	Chloride	490.00	mg/L	500	29,055	29,648.1
5535500	7/14/2003	10	10	1.00	10	2466	39.6463%	Chloride	136.50	mg/L	500	7,358	26,952.9
5535500	7/11/2011	10	10	1.00	10	2466	39.6463%	Chloride	276.00	mg/L	500	14,878	26,952.9
5535500	7/12/2010	9.7	9.7	1.00	9.7	2645	42.5241%	Chloride	230.00	mg/L	500	12,026	26,144.3
5535500	12/13/2010	9.5	9.5	1.00	9.5	2703	43.4566%	Chloride	1031.00	mg/L	500	52,798	25,605.2
5535500	9/10/2001	9	9	1.00	9	2827	45.4502%	Chloride	175.00	mg/L	500	8,490	24,257.6
5535500	1/14/2008	9	9	1.00	9	2827	45.4502%	Chloride	664.10	mg/L	500	32,219	24,257.6
5535500	11/9/2009	8.8	8.8	1.00	8.8	2894	46.5273%	Chloride	248.00	mg/L	500	11,764	23,718.5
5535500	11/14/2005	8.7	8.7	1.00	8.7	2917	46.8971%	Chloride	179.90	mg/L	500	8,437	23,449.0
5535500	5/10/2004	8.3	8.3	1.00	8.3	3039	48.8585%	Chloride	438.70	mg/L	500	19,628	22,370.9
5535500	6/13/2011	7.9	7.9	1.00	7.9	3191	51.3023%	Chloride	413.00	mg/L	500	17,588	21,292.8
5535500	11/14/2011	7.9	7.9	1.00	7.9	3191	51.3023%	Chloride	226.00	mg/L	500	9,624	21,292.8
5535500	2/14/2012	7.8	7.8	1.00	7.8	3225	51.8489%	Chloride	790.00	mg/L	500	33,217	21,023.2
5535500	1/12/2009	7.5	7.5	1.00	7.5	3326	53.4727%	Chloride	764.00	mg/L	500	30,888	20,214.6
5535500	5/11/2009	7.3	7.3	1.00	7.3	3388	54.4695%	Chloride	397.00	mg/L	500	15,622	19,675.6
5535500	2/8/2010	7	7	1.00	7	3503	56.3183%	Chloride	743.00	mg/L	500	28,036	18,867.0
5535500	10/12/2009	6.9	6.9	1.00	6.9	3549	57.0579%	Chloride	277.00	mg/L	500	10,303	18,597.5
5535500	9/18/2001	6.4	6.4	1.00	6.4	3775	60.6913%	Chloride	155.00	mg/L	500	5,347	17,249.8
5535500	4/12/2004	6.3	6.3	1.00	6.3	3824	61.4791%	Chloride	373.50	mg/L	500	12,684	16,980.3
5535500	6/12/2006	6.3	6.3	1.00	6.3	3824	61.4791%	Chloride	420.00	mg/L	500	14,263	16,980.3
5535500	1/9/2006	6.2	6.2	1.00	6.2	3869	62.2026%	Chloride	662.20	mg/L	500	22,132	16,710.8
5535500	12/10/2007	6	6	1.00	6	3967	63.7781%	Chloride	237.90	mg/L	500	7,695	16,171.7

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5535500	5/9/2011	6	6	1.00	6	3967	63.7781%	Chloride	425.00	mg/L	500	13,746	16,171.7
5535500	10/13/2003	5.9	5.9	1.00	5.9	4023	64.6785%	Chloride	172.50	mg/L	500	5,486	15,902.2
5535500	10/13/2008	5.8	5.8	1.00	5.8	4093	65.8039%	Chloride	251.00	mg/L	500	7,848	15,632.7
5535500	9/13/2010	5.8	5.8	1.00	5.8	4093	65.8039%	Chloride	248.00	mg/L	500	7,754	15,632.7
5535500	1/12/2004	5.6	5.6	1.00	5.6	4234	68.0707%	Chloride	728.00	mg/L	500	21,976	15,093.6
5535500	6/20/2011	5.6	5.6	1.00	5.6	4234	68.0707%	Chloride	417.00	mg/L	500	12,588	15,093.6
5535500	2/9/2004	5.5	5.5	1.00	5.5	4290	68.9711%	Chloride	1563.00	mg/L	500	46,340	14,824.1
5535500	7/13/2006	5.3	5.3	1.00	5.3	4411	70.9164%	Chloride	643.00	mg/L	500	18,371	14,285.0
5535500	10/11/2004	5.2	5.2	1.00	5.2	4457	71.6559%	Chloride	218.00	mg/L	500	6,111	14,015.5
5535500	7/25/2006	5.2	5.2	1.00	5.2	4457	71.6559%	Chloride	140.00	mg/L	500	3,924	14,015.5
5535500	8/17/2011	5.2	5.2	1.00	5.2	4457	71.6559%	Chloride	277.00	mg/L	500	7,765	14,015.5
5535500	10/11/2010	5.1	5.1	1.00	5.1	4519	72.6527%	Chloride	208.00	mg/L	500	5,718	13,746.0
5535500	5/14/2012	5.1	5.1	1.00	5.1	4519	72.6527%	Chloride	383.00	mg/L	500	10,529	13,746.0
5535500	8/11/2008	5	5	1.00	5	4580	73.6334%	Chloride	240.00	mg/L	500	6,469	13,476.4
5535500	11/8/2004	4.8	4.8	1.00	4.8	4723	75.9325%	Chloride	235.80	mg/L	500	6,101	12,937.4
5535500	11/8/2010	4.8	4.8	1.00	4.8	4723	75.9325%	Chloride	165.00	mg/L	500	4,269	12,937.4
5535500	8/10/2009	4.7	4.7	1.00	4.7	4804	77.2347%	Chloride	243.00	mg/L	500	6,157	12,667.8
5535500	12/8/2008	4.6	4.6	1.00	4.6	4892	78.6495%	Chloride	497.00	mg/L	500	12,324	12,398.3
5535500	1/10/2011	4.6	4.6	1.00	4.6	4892	78.6495%	Chloride	452.00	mg/L	500	11,208	12,398.3
5535500	12/12/2011	4.6	4.6	1.00	4.6	4892	78.6495%	Chloride	286.00	mg/L	500	7,092	12,398.3
5535500	7/16/2012	4.5	4.5	1.00	4.5	4975	79.9839%	Chloride	325.00	mg/L	500	7,884	12,128.8
5535500	11/10/2008	4	4	1.00	4	5394	86.7203%	Chloride	232.00	mg/L	500	5,002	10,781.1
5535500	8/12/2002	3	3	1.00	3	5969	95.9646%	Chloride	175.10	mg/L	500	2,832	8,085.9
5535500	8/8/2005	2.6	2.6	1.00	2.6	6074	97.6527%	Chloride	200.10	mg/L	500	2,804	7,007.7
5535500	9/14/2009	2.1	2.1	1.00	2.1	6148	98.8424%	Chloride	232.00	mg/L	500	2,626	5,660.1

Note: Workbook display in appendices trimmed to dates with instream concentration data

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	Actual Load (million colonies/day)	Allowable Load (million colonies/day)
5535500	6/9/2008	140	140	1.00	140.00	33	1.0547%	Fecal	2800.00	CFU/100 mL	9,591,644	685,117.4
5535500	8/8/2011	87	87	1.00	87.00	89	2.8444%	Fecal	5000.00	CFU/100 mL	10,643,789	425,751.6
5535500	9/8/2008	46	46	1.00	46.00	230	7.3506%	Fecal	1100.00	CFU/100 mL	1,238,105	225,110.0
5535500	8/9/2010	28	28	1.00	28.00	426	13.6146%	Fecal	10000.00	CFU/100 mL	6,851,174	137,023.5
5535500	6/8/2009	25	25	1.00	25.00	485	15.5002%	Fecal	5700.00	CFU/100 mL	3,486,758	122,342.4
5535500	5/12/2008	17	17	1.00	17.00	703	22.4672%	Fecal	650.00	CFU/100 mL	270,377	83,192.8
5535500	5/10/2010	11	11	1.00	11.00	1018	32.5344%	Fecal	3900.00	CFU/100 mL	1,049,698	53,830.7
5535500	7/14/2008	11	11	1.00	11.00	1018	32.5344%	Fecal	800.00	CFU/100 mL	215,323	53,830.7
5535500	7/11/2011	10	10	1.00	10.00	1108	35.4107%	Fecal	700.00	CFU/100 mL	171,279	48,937.0
5535500	7/12/2010	9.7	9.7	1.00	9.70	1176	37.5839%	Fecal	3600.00	CFU/100 mL	854,439	47,468.9
5535500	6/13/2011	7.9	7.9	1.00	7.90	1411	45.0943%	Fecal	46000.00	CFU/100 mL	8,891,846	38,660.2
5535500	5/11/2009	7.3	7.3	1.00	7.30	1494	47.7469%	Fecal	530.00	CFU/100 mL	94,669	35,724.0
5535500	10/12/2009	6.9	6.9	1.00	6.90	1566	50.0479%	Fecal	480.00	CFU/100 mL	81,040	33,766.5
5535500	5/9/2011	6	6	1.00	6.00	1780	56.8872%	Fecal	420.00	CFU/100 mL	61,661	29,362.2
5535500	9/13/2010	5.8	5.8	1.00	5.80	1859	59.4120%	Fecal	540.00	CFU/100 mL	76,635	28,383.4
5535500	10/13/2008	5.8	5.8	1.00	5.80	1859	59.4120%	Fecal	1100.00	CFU/100 mL	156,109	28,383.4
5535500	5/14/2012	5.1	5.1	1.00	5.10	2103	67.2100%	Fecal	350.00	CFU/100 mL	43,676	24,957.8
5535500	10/11/2010	5.1	5.1	1.00	5.10	2103	67.2100%	Fecal	400.00	CFU/100 mL	49,916	24,957.8
5535500	8/11/2008	5	5	1.00	5.00	2142	68.4564%	Fecal	320.00	CFU/100 mL	39,150	24,468.5
5535500	8/10/2009	4.7	4.7	1.00	4.70	2256	72.0997%	Fecal	750.00	CFU/100 mL	86,251	23,000.4
5535500	7/16/2012	4.5	4.5	1.00	4.50	2364	75.5513%	Fecal	35000.00	CFU/100 mL	3,853,786	22,021.6
5535500	9/14/2009	2.1	2.1	1.00	2.10	3081	98.4660%	Fecal	990.00	CFU/100 mL	50,870	10,276.8

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (lbs/day)	Allowable Load (lbs/day)
5534500	3/13/2006	312	312	1.00	312	34	0.5468%	Chloride	120.10	mg/L	500	201,991	840,929.1
5534500	3/9/2009	307	307	1.00	307	39	0.6272%	Chloride	169.00	mg/L	500	279,679	827,452.7
5534500	6/9/2008	284	284	1.00	284	49	0.7880%	Chloride	127.00	mg/L	500	194,427	765,461.1
5534500	4/27/2009	221	221	1.00	221	80	1.2866%	Chloride	226.00	mg/L	500	269,237	595,658.1
5534500	3/12/2010	162	162	1.00	162	129	2.0746%	Chloride	275.00	mg/L	500	240,150	436,636.3
5534500	3/12/2007	146	146	1.00	146	153	2.4606%	Chloride	271.20	mg/L	500	213,441	393,511.7
5534500	4/20/2011	134	134	1.00	134	173	2.7822%	Chloride	216.00	mg/L	500	156,025	361,168.3
5534500	5/12/2003	130	130	1.00	130	179	2.8787%	Chloride	166.90	mg/L	500	116,959	350,387.1
5534500	1/30/2013	123	123	1.00	123	197	3.1682%	Chloride	180.00	mg/L	500	119,347	331,520.1
5534500	4/16/2012	122	122	1.00	122	203	3.2647%	Chloride	223.00	mg/L	500	146,656	328,824.8
5534500	2/14/2005	120	120	1.00	120	207	3.3290%	Chloride	229.40	mg/L	500	148,392	323,434.3
5534500	8/8/2011	120	120	1.00	120	207	3.3290%	Chloride	73.00	mg/L	500	47,221	323,434.3
5534500	1/25/2010	118	118	1.00	118	212	3.4095%	Chloride	340.00	mg/L	500	216,270	318,043.7
5534500	5/13/2002	105	105	1.00	105	258	4.1492%	Chloride	161.10	mg/L	500	91,184	283,005.0
5534500	5/18/2000	72	72	1.00	72	425	6.8350%	Chloride	147.00	mg/L	500	57,054	194,060.6
5534500	4/8/2002	69	69	1.00	69	452	7.2692%	Chloride	251.60	mg/L	500	93,582	185,974.7
5534500	3/14/2013	69	69	1.00	69	452	7.2692%	Chloride	387.00	mg/L	500	143,944	185,974.7
5534500	3/11/2002	59	59	1.00	59	539	8.6684%	Chloride	292.00	mg/L	500	92,869	159,021.9
5534500	3/8/2004	59	59	1.00	59	539	8.6684%	Chloride	286.60	mg/L	500	91,151	159,021.9
5534500	4/16/2013	57	57	1.00	57	566	9.1026%	Chloride	307.00	mg/L	500	94,330	153,631.3
5534500	5/14/2001	56	56	1.00	56	581	9.3438%	Chloride	245.00	mg/L	500	73,959	150,936.0
5534500	4/14/2008	55	55	1.00	55	588	9.4564%	Chloride	270.00	mg/L	500	80,050	148,240.7
5534500	2/13/2001	51	51	1.00	51	639	10.2766%	Chloride	289.00	mg/L	500	79,452	137,459.6
5534500	3/19/2001	50	50	1.00	50	649	10.4374%	Chloride	280.00	mg/L	500	75,468	134,764.3
5534500	6/14/2004	49	49	1.00	49	670	10.7752%	Chloride	141.10	mg/L	500	37,270	132,069.0
5534500	5/28/2009	49	49	1.00	49	670	10.7752%	Chloride	225.00	mg/L	500	59,431	132,069.0
5534500	2/11/2002	48	48	1.00	48	690	11.0968%	Chloride	221.00	mg/L	500	57,183	129,373.7
5534500	5/18/1999	44	44	1.00	44	759	12.2065%	Chloride	92.60	mg/L	500	21,963	118,592.6
5534500	6/5/2001	43	43	1.00	43	774	12.4477%	Chloride	146.00	mg/L	500	33,842	115,897.3
5534500	2/28/2007	43	43	1.00	43	774	12.4477%	Chloride	721.00	mg/L	500	167,124	115,897.3
5534500	7/14/2008	42	42	1.00	42	794	12.7694%	Chloride	285.00	mg/L	500	64,525	113,202.0
5534500	4/5/2006	41	41	1.00	41	818	13.1554%	Chloride	833.00	mg/L	500	184,104	110,506.7
5534500	6/17/2008	40	40	1.00	40	837	13.4609%	Chloride	249.00	mg/L	500	53,690	107,811.4
5534500	2/14/2001	39	39	1.00	39	856	13.7665%	Chloride	329.00	mg/L	500	69,166	105,116.1
5534500	9/11/2006	36	36	1.00	36	924	14.8601%	Chloride	100.80	mg/L	500	19,561	97,030.3
5534500	8/5/2010	36	36	1.00	36	924	14.8601%	Chloride	119.00	mg/L	500	23,093	97,030.3
5534500	6/21/2004	33	33	1.00	33	1021	16.4201%	Chloride	142.00	mg/L	500	25,260	88,944.4
5534500	3/10/2004	32	32	1.00	32	1057	16.9990%	Chloride	249.00	mg/L	500	42,952	86,249.1
5534500	11/29/2006	32	32	1.00	32	1057	16.9990%	Chloride	77.70	mg/L	500	13,403	86,249.1
5534500	9/8/2008	32	32	1.00	32	1057	16.9990%	Chloride	290.00	mg/L	500	50,025	86,249.1
5534500	5/25/2006	30	30	1.00	30	1140	18.3339%	Chloride	708.00	mg/L	500	114,496	80,858.6
5534500	6/2/2011	30	30	1.00	30	1140	18.3339%	Chloride	205.00	mg/L	500	33,152	80,858.6
5534500	1/26/2012	29	29	1.00	29	1171	18.8324%	Chloride	304.00	mg/L	500	47,523	78,163.3
5534500	5/13/2004	28	28	1.00	28	1205	19.3792%	Chloride	200.00	mg/L	500	30,187	75,468.0
5534500	3/3/2011	28	28	1.00	28	1205	19.3792%	Chloride	576.00	mg/L	500	86,939	75,468.0
5534500	12/11/2006	26	26	1.00	26	1295	20.8266%	Chloride	230.30	mg/L	500	32,278	70,077.4
5534500	4/11/2011	26	26	1.00	26	1295	20.8266%	Chloride	392.00	mg/L	500	54,941	70,077.4
5534500	4/9/2001	25	25	1.00	25	1328	21.3573%	Chloride	297.00	mg/L	500	40,025	67,382.1
5534500	4/18/2007	25	25	1.00	25	1328	21.3573%	Chloride	439.00	mg/L	500	59,162	67,382.1
5534500	9/30/1999	24	24	1.00	24	1369	22.0167%	Chloride	98.80	mg/L	500	12,782	64,686.9
5534500	8/9/2010	24	24	1.00	24	1369	22.0167%	Chloride	156.00	mg/L	500	20,182	64,686.9
5534500	3/14/2011	24	24	1.00	24	1369	22.0167%	Chloride	438.00	mg/L	500	56,666	64,686.9
5534500	7/12/2004	23	23	1.00	23	1414	22.7404%	Chloride	139.20	mg/L	500	17,258	61,991.6
5534500	3/5/2009	23	23	1.00	23	1414	22.7404%	Chloride	396.00	mg/L	500	49,097	61,991.6
5534500	6/8/2009	23	23	1.00	23	1414	22.7404%	Chloride	132.00	mg/L	500	16,366	61,991.6
5534500	8/4/2004	22	22	1.00	22	1482	23.8340%	Chloride	56.80	mg/L	500	6,736	59,296.3
5534500	10/20/2011	21	21	1.00	21	1541	24.7829%	Chloride	93.90	mg/L	500	10,630	56,601.0
5534500	3/1/2000	19	19	1.00	19	1678	26.9862%	Chloride	333.00	mg/L	500	34,106	51,210.4
5534500	8/13/2007	19	19	1.00	19	1678	26.9862%	Chloride	237.60	mg/L	500	24,335	51,210.4
5534500	3/8/2010	19	19	1.00	19	1678	26.9862%	Chloride	665.00	mg/L	500	68,110	51,210.4
5534500	3/12/2001	18	18	1.00	18	1761	28.3210%	Chloride	343.00	mg/L	500	33,281	48,515.1
5534500	4/14/2003	18	18	1.00	18	1761	28.3210%	Chloride	424.70	mg/L	500	41,209	48,515.1
5534500	7/21/2006	18	18	1.00	18	1761	28.3210%	Chloride	302.00	mg/L	500	29,303	48,515.1

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5534500	11/13/2006	18	18	1.00	18	1761	28.3210%	Chloride	157.40	mg/L	500	15,273	48,515.1
5534500	3/10/2008	18	18	1.00	18	1761	28.3210%	Chloride	603.00	mg/L	500	58,509	48,515.1
5534500	11/14/2011	18	18	1.00	18	1761	28.3210%	Chloride	162.00	mg/L	500	15,719	48,515.1
5534500	12/6/2011	18	18	1.00	18	1761	28.3210%	Chloride	161.00	mg/L	500	15,622	48,515.1
5534500	3/12/2012	18	18	1.00	18	1761	28.3210%	Chloride	387.00	mg/L	500	37,551	48,515.1
5534500	3/13/2012	18	18	1.00	18	1761	28.3210%	Chloride	368.00	mg/L	500	35,707	48,515.1
5534500	12/14/2009	17	17	1.00	17	1844	29.6558%	Chloride	296.00	mg/L	500	27,125	45,819.9
5534500	5/12/2008	16	16	1.00	16	1927	30.9907%	Chloride	249.00	mg/L	500	21,476	43,124.6
5534500	7/1/2013	16	16	1.00	16	1927	30.9907%	Chloride	343.00	mg/L	500	29,583	43,124.6
5534500	12/13/2004	15	15	1.00	15	2013	32.3738%	Chloride	224.60	mg/L	500	18,161	40,429.3
5534500	3/23/2009	15	15	1.00	15	2013	32.3738%	Chloride	384.00	mg/L	500	31,050	40,429.3
5534500	11/5/2009	15	15	1.00	15	2013	32.3738%	Chloride	161.00	mg/L	500	13,018	40,429.3
5534500	4/12/2010	15	15	1.00	15	2013	32.3738%	Chloride	415.00	mg/L	500	33,556	40,429.3
5534500	6/13/2011	15	15	1.00	15	2013	32.3738%	Chloride	279.00	mg/L	500	22,560	40,429.3
5534500	12/19/2001	14	14	1.00	14	2112	33.9659%	Chloride	97.30	mg/L	500	7,343	37,734.0
5534500	3/3/2005	14	14	1.00	14	2112	33.9659%	Chloride	371.00	mg/L	500	27,999	37,734.0
5534500	4/10/2006	14	14	1.00	14	2112	33.9659%	Chloride	332.40	mg/L	500	25,086	37,734.0
5534500	4/9/2007	14	14	1.00	14	2112	33.9659%	Chloride	362.60	mg/L	500	27,365	37,734.0
5534500	6/7/2007	14	14	1.00	14	2112	33.9659%	Chloride	435.00	mg/L	500	32,829	37,734.0
5534500	9/28/2000	13	13	1.00	13	2223	35.7510%	Chloride	117.00	mg/L	500	8,199	35,038.7
5534500	9/10/2001	13	13	1.00	13	2223	35.7510%	Chloride	139.00	mg/L	500	9,741	35,038.7
5534500	6/9/2003	13	13	1.00	13	2223	35.7510%	Chloride	180.70	mg/L	500	12,663	35,038.7
5534500	5/11/2009	13	13	1.00	13	2223	35.7510%	Chloride	263.00	mg/L	500	18,430	35,038.7
5534500	4/13/2000	12	12	1.00	12	2337	37.5844%	Chloride	407.00	mg/L	500	26,328	32,343.4
5534500	11/10/2003	12	12	1.00	12	2337	37.5844%	Chloride	190.80	mg/L	500	12,342	32,343.4
5534500	9/18/2006	12	12	1.00	12	2337	37.5844%	Chloride	195.00	mg/L	500	12,614	32,343.4
5534500	7/9/2007	12	12	1.00	12	2337	37.5844%	Chloride	442.50	mg/L	500	28,624	32,343.4
5534500	9/24/2008	12	12	1.00	12	2337	37.5844%	Chloride	173.00	mg/L	500	11,191	32,343.4
5534500	4/1/1999	11	11	1.00	11	2474	39.7877%	Chloride	252.00	mg/L	500	14,943	29,648.1
5534500	5/20/2002	11	11	1.00	11	2474	39.7877%	Chloride	150.00	mg/L	500	8,894	29,648.1
5534500	6/10/2002	11	11	1.00	11	2474	39.7877%	Chloride	160.00	mg/L	500	9,487	29,648.1
5534500	1/8/2007	11	11	1.00	11	2474	39.7877%	Chloride	179.40	mg/L	500	10,638	29,648.1
5534500	6/29/2009	11	11	1.00	11	2474	39.7877%	Chloride	172.00	mg/L	500	10,199	29,648.1
5534500	7/1/2010	11	11	1.00	11	2474	39.7877%	Chloride	321.00	mg/L	500	19,034	29,648.1
5534500	6/22/1999	10	10	1.00	10	2618	42.1036%	Chloride	112.00	mg/L	500	6,037	26,952.9
5534500	1/14/2008	10	10	1.00	10	2618	42.1036%	Chloride	482.10	mg/L	500	25,988	26,952.9
5534500	4/13/2009	10	10	1.00	10	2618	42.1036%	Chloride	388.00	mg/L	500	20,915	26,952.9
5534500	5/10/2010	9.8	9.8	1.00	9.8	2722	43.7761%	Chloride	431.00	mg/L	500	22,769	26,413.8
5534500	8/17/2011	9.5	9.5	1.00	9.5	2766	44.4838%	Chloride	237.00	mg/L	500	12,137	25,605.2
5534500	5/10/2004	9.3	9.3	1.00	9.3	2803	45.0788%	Chloride	318.80	mg/L	500	15,982	25,066.2
5534500	9/6/2006	9.3	9.3	1.00	9.3	2803	45.0788%	Chloride	146.00	mg/L	500	7,319	25,066.2
5534500	7/9/2001	9.2	9.2	1.00	9.2	2824	45.4165%	Chloride	183.00	mg/L	500	9,076	24,796.6
5534500	4/12/2004	9	9	1.00	9	2866	46.0920%	Chloride	217.00	mg/L	500	10,528	24,257.6
5534500	4/12/2004	9	9	1.00	9	2866	46.0920%	Chloride	245.8	mg/L	500	11,925	24,257.6
5534500	6/14/2010	8.9	8.9	1.00	8.9	2878	46.2850%	Chloride	320.00	mg/L	500	15,352	23,988.0
5534500	6/11/2001	8.7	8.7	1.00	8.7	2918	46.9283%	Chloride	221.00	mg/L	500	10,364	23,449.0
5534500	7/24/2012	8.5	8.5	1.00	8.5	2954	47.5072%	Chloride	243.00	mg/L	500	11,134	22,909.9
5534500	8/24/1999	8.3	8.3	1.00	8.3	2983	47.9736%	Chloride	142.00	mg/L	500	6,353	22,370.9
5534500	7/12/2010	8.3	8.3	1.00	8.3	2983	47.9736%	Chloride	184.00	mg/L	500	8,232	22,370.9
5534500	12/8/2003	8.2	8.2	1.00	8.2	3004	48.3114%	Chloride	182.20	mg/L	500	8,054	22,101.3
5534500	9/10/2007	8.2	8.2	1.00	8.2	3004	48.3114%	Chloride	161.10	mg/L	500	7,121	22,101.3
5534500	6/11/2007	8	8	1.00	8	3046	48.9868%	Chloride	459.90	mg/L	500	19,833	21,562.3
5534500	7/14/2003	7.7	7.7	1.00	7.7	3111	50.0322%	Chloride	235.00	mg/L	500	9,754	20,753.7
5534500	8/5/2013	7.7	7.7	1.00	7.7	3111	50.0322%	Chloride	313.00	mg/L	500	12,992	20,753.7
5534500	1/11/2007	7.2	7.2	1.00	7.2	3217	51.7369%	Chloride	177.00	mg/L	500	6,870	19,406.1
5534500	1/24/2006	6.9	6.9	1.00	6.9	3279	52.7340%	Chloride	700.00	mg/L	500	26,036	18,597.5
5534500	10/13/2008	6.9	6.9	1.00	6.9	3279	52.7340%	Chloride	193.00	mg/L	500	7,179	18,597.5
5534500	3/14/2005	6.8	6.8	1.00	6.8	3307	53.1843%	Chloride	466.80	mg/L	500	17,111	18,327.9
5534500	11/9/2009	6.8	6.8	1.00	6.8	3307	53.1843%	Chloride	165.00	mg/L	500	6,048	18,327.9
5534500	9/19/2011	6.5	6.5	1.00	6.5	3382	54.3905%	Chloride	164.00	mg/L	500	5,746	17,519.4
5534500	5/8/2006	6.2	6.2	1.00	6.2	3454	55.5484%	Chloride	307.80	mg/L	500	10,287	16,710.8
5534500	3/22/2002	6	6	1.00	6	3500	56.2882%	Chloride	258.00	mg/L	500	8,345	16,171.7
5534500	10/9/2006	6	6	1.00	6	3500	56.2882%	Chloride	219.10	mg/L	500	7,086	16,171.7
5534500	1/9/2006	5.9	5.9	1.00	5.9	3525	56.6903%	Chloride	518.90	mg/L	500	16,503	15,902.2
5534500	12/8/2009	5.8	5.8	1.00	5.8	3556	57.1888%	Chloride	221.00	mg/L	500	6,910	15,632.7
5534500	9/13/2010	5.5	5.5	1.00	5.5	3626	58.3146%	Chloride	175.00	mg/L	500	5,188	14,824.1

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5534500	6/20/2011	5.5	5.5	1.00	5.5	3626	58.3146%	Chloride	306.00	mg/L	500	9,072	14,824.1
5534500	5/20/2013	5.4	5.4	1.00	5.4	3650	58.7005%	Chloride	381.00	mg/L	500	11,091	14,554.5
5534500	12/12/2011	5.3	5.3	1.00	5.3	3672	59.0544%	Chloride	207.00	mg/L	500	5,914	14,285.0
5534500	12/17/2012	5.3	5.3	1.00	5.3	3672	59.0544%	Chloride	114.00	mg/L	500	3,257	14,285.0
5534500	5/9/2011	5.2	5.2	1.00	5.2	3692	59.3760%	Chloride	320.00	mg/L	500	8,970	14,015.5
5534500	10/8/2001	5	5	1.00	5	3759	60.4535%	Chloride	138.00	mg/L	500	3,719	13,476.4
5534500	12/16/1999	4.9	4.9	1.00	4.9	3783	60.8395%	Chloride	165.00	mg/L	500	4,358	13,206.9
5534500	11/8/2001	4.8	4.8	1.00	4.8	3818	61.4024%	Chloride	77.20	mg/L	500	1,998	12,937.4
5534500	12/8/2008	4.8	4.8	1.00	4.8	3818	61.4024%	Chloride	383.00	mg/L	500	9,910	12,937.4
5534500	5/26/2010	4.7	4.7	1.00	4.7	3847	61.8688%	Chloride	244.00	mg/L	500	6,182	12,667.8
5534500	12/10/2001	4.4	4.4	1.00	4.4	3938	63.3323%	Chloride	124.00	mg/L	500	2,941	11,859.3
5534500	4/5/2005	4.4	4.4	1.00	4.4	3938	63.3323%	Chloride	340.00	mg/L	500	8,064	11,859.3
5534500	6/12/2006	4.4	4.4	1.00	4.4	3938	63.3323%	Chloride	241.10	mg/L	500	5,719	11,859.3
5534500	9/9/2002	4.3	4.3	1.00	4.3	3982	64.0399%	Chloride	146.80	mg/L	500	3,403	11,589.7
5534500	10/12/2009	4	4	1.00	4	4081	65.6320%	Chloride	178.00	mg/L	500	3,838	10,781.1
5534500	8/11/2003	3.8	3.8	1.00	3.8	4158	66.8704%	Chloride	212.70	mg/L	500	4,357	10,242.1
5534500	3/7/2006	3.7	3.7	1.00	3.7	4192	67.4172%	Chloride	1070.00	mg/L	500	21,341	9,972.6
5534500	9/18/2001	3.5	3.5	1.00	3.5	4270	68.6716%	Chloride	98.70	mg/L	500	1,862	9,433.5
5534500	11/8/2004	3.5	3.5	1.00	3.5	4270	68.6716%	Chloride	193.80	mg/L	500	3,656	9,433.5
5534500	11/23/2004	3.5	3.5	1.00	3.5	4270	68.6716%	Chloride	147.00	mg/L	500	2,773	9,433.5
5534500	4/9/2012	3.2	3.2	1.00	3.2	4387	70.5532%	Chloride	393.00	mg/L	500	6,779	8,624.9
5534500	6/28/2011	3.1	3.1	1.00	3.1	4425	71.1644%	Chloride	285.00	mg/L	500	4,763	8,355.4
5534500	9/26/2013	3	3	1.00	3	4457	71.6790%	Chloride	309.00	mg/L	500	4,997	8,085.9
5534500	7/24/2007	2.9	2.9	1.00	2.9	4487	72.1615%	Chloride	337.00	mg/L	500	5,268	7,816.3
5534500	9/17/2012	2.9	2.9	1.00	2.9	4487	72.1615%	Chloride	266.00	mg/L	500	4,158	7,816.3
5534500	7/25/2006	2.8	2.8	1.00	2.8	4529	72.8369%	Chloride	573.00	mg/L	500	8,649	7,546.8
5534500	7/26/2006	2.8	2.8	1.00	2.8	4529	72.8369%	Chloride	160.00	mg/L	500	2,415	7,546.8
5534500	8/13/2001	2.7	2.7	1.00	2.7	4570	73.4963%	Chloride	150.00	mg/L	500	2,183	7,277.3
5534500	11/6/2006	2.7	2.7	1.00	2.7	4570	73.4963%	Chloride	169.00	mg/L	500	2,460	7,277.3
5534500	11/10/2008	2.5	2.5	1.00	2.5	4663	74.9920%	Chloride	180.00	mg/L	500	2,426	6,738.2
5534500	7/11/2011	2.5	2.5	1.00	2.5	4663	74.9920%	Chloride	321.00	mg/L	500	4,326	6,738.2
5534500	11/10/2008	2.5	2.5	1.00	2.5	4663	74.9920%	Chloride	163	mg/L	500	2,197	6,738.2
5534500	10/26/2004	2.4	2.4	1.00	2.4	4707	75.6996%	Chloride	104.00	mg/L	500	1,345	6,468.7
5534500	7/10/2006	2.4	2.4	1.00	2.4	4707	75.6996%	Chloride	331.40	mg/L	500	4,287	6,468.7
5534500	7/21/2011	2.4	2.4	1.00	2.4	4707	75.6996%	Chloride	203.00	mg/L	500	2,626	6,468.7
5534500	5/14/2007	2.1	2.1	1.00	2.1	4843	77.8868%	Chloride	379.40	mg/L	500	4,295	5,660.1
5534500	8/10/2009	2.1	2.1	1.00	2.1	4843	77.8868%	Chloride	178.00	mg/L	500	2,015	5,660.1
5534500	10/10/2011	2.1	2.1	1.00	2.1	4843	77.8868%	Chloride	199.00	mg/L	500	2,253	5,660.1
5534500	7/16/2012	2.1	2.1	1.00	2.1	4843	77.8868%	Chloride	238.00	mg/L	500	2,694	5,660.1
5534500	8/10/2000	2	2	1.00	2	4893	78.6909%	Chloride	132.00	mg/L	500	1,423	5,390.6
5534500	4/11/2005	2	2	1.00	2	4893	78.6909%	Chloride	419.40	mg/L	500	4,522	5,390.6
5534500	9/28/2006	2	2	1.00	2	4893	78.6909%	Chloride	213.00	mg/L	500	2,296	5,390.6
5534500	6/13/2005	1.9	1.9	1.00	1.9	4950	79.6076%	Chloride	283.50	mg/L	500	2,904	5,121.0
5534500	11/17/2005	1.9	1.9	1.00	1.9	4950	79.6076%	Chloride	289.00	mg/L	500	2,960	5,121.0
5534500	5/24/2007	1.9	1.9	1.00	1.9	4950	79.6076%	Chloride	504.00	mg/L	500	5,162	5,121.0
5534500	1/30/2002	1.8	1.8	1.00	1.8	4995	80.3313%	Chloride	111.00	mg/L	500	1,077	4,851.5
5534500	11/13/2001	1.6	1.6	1.00	1.6	5104	82.0843%	Chloride	108.00	mg/L	500	931	4,312.5
5534500	9/7/2005	1.6	1.6	1.00	1.6	5104	82.0843%	Chloride	380.00	mg/L	500	3,277	4,312.5
5534500	11/14/2005	1.6	1.6	1.00	1.6	5104	82.0843%	Chloride	189.70	mg/L	500	1,636	4,312.5
5534500	1/24/2000	1.5	1.5	1.00	1.5	5164	83.0492%	Chloride	707.00	mg/L	500	5,717	4,042.9
5534500	10/14/2002	1.5	1.5	1.00	1.5	5164	83.0492%	Chloride	150.40	mg/L	500	1,216	4,042.9
5534500	8/9/2004	1.5	1.5	1.00	1.5	5164	83.0492%	Chloride	134.40	mg/L	500	1,087	4,042.9
5534500	5/3/2005	1.5	1.5	1.00	1.5	5164	83.0492%	Chloride	329.00	mg/L	500	2,660	4,042.9
5534500	5/14/2012	1.5	1.5	1.00	1.5	5164	83.0492%	Chloride	276.00	mg/L	500	2,232	4,042.9
5534500	8/11/2008	1.4	1.4	1.00	1.4	5227	84.0624%	Chloride	269.00	mg/L	500	2,030	3,773.4
5534500	7/11/2005	1.3	1.3	1.00	1.3	5293	85.1238%	Chloride	449.00	mg/L	500	3,146	3,503.9
5534500	7/13/2009	1.3	1.3	1.00	1.3	5293	85.1238%	Chloride	252.00	mg/L	500	1,766	3,503.9
5534500	10/29/2002	1.2	1.2	1.00	1.2	5365	86.2818%	Chloride	95.00	mg/L	500	615	3,234.3
5534500	10/8/2007	1.2	1.2	1.00	1.2	5365	86.2818%	Chloride	189.50	mg/L	500	1,226	3,234.3
5534500	9/14/2009	1.2	1.2	1.00	1.2	5365	86.2818%	Chloride	172.00	mg/L	500	1,113	3,234.3
5534500	11/12/2002	1.1	1.1	1.00	1.1	5431	87.3432%	Chloride	111.10	mg/L	500	659	2,964.8
5534500	12/27/2002	1.1	1.1	1.00	1.1	5431	87.3432%	Chloride	396.00	mg/L	500	2,348	2,964.8
5534500	10/29/2013	1.1	1.1	1.00	1.1	5431	87.3432%	Chloride	271.00	mg/L	500	1,607	2,964.8
5534500	7/30/2002	1	1	1.00	1	5509	88.5976%	Chloride	134.00	mg/L	500	722	2,695.3
5534500	9/17/2002	1	1	1.00	1	5509	88.5976%	Chloride	143.00	mg/L	500	771	2,695.3
5534500	6/6/2005	1	1	1.00	1	5509	88.5976%	Chloride	363.00	mg/L	500	1,957	2,695.3

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5534500	9/15/2009	0.99	0.99	1.00	0.99	5542	89.1283%	Chloride	203.00	mg/L	500	1,083	2,668.3
5534500	11/13/2007	0.97	0.97	1.00	0.97	5563	89.4661%	Chloride	178.60	mg/L	500	934	2,614.4
5534500	7/21/2009	0.93	0.93	1.00	0.93	5599	90.0450%	Chloride	273.00	mg/L	500	1,369	2,506.6
5534500	7/1/2002	0.87	0.87	1.00	0.87	5667	91.1386%	Chloride	95.80	mg/L	500	449	2,344.9
5534500	8/6/2009	0.83	0.83	1.00	0.83	5701	91.6854%	Chloride	143.00	mg/L	500	640	2,237.1
5534500	10/11/2010	0.78	0.78	1.00	0.78	5750	92.4735%	Chloride	220.00	mg/L	500	925	2,102.3
5534500	9/12/2011	0.78	0.78	1.00	0.78	5750	92.4735%	Chloride	223.00	mg/L	500	938	2,102.3
5534500	5/29/2012	0.77	0.77	1.00	0.77	5761	92.6504%	Chloride	236.00	mg/L	500	980	2,075.4
5534500	5/9/2005	0.68	0.68	1.00	0.68	5834	93.8244%	Chloride	300.60	mg/L	500	1,102	1,832.8
5534500	8/1/2001	0.67	0.67	1.00	0.67	5841	93.9370%	Chloride	218.00	mg/L	500	787	1,805.8
5534500	7/8/2002	0.66	0.66	1.00	0.66	5848	94.0495%	Chloride	181.00	mg/L	500	644	1,778.9
5534500	8/14/2006	0.66	0.66	1.00	0.66	5848	94.0495%	Chloride	278.10	mg/L	500	989	1,778.9
5534500	8/20/2008	0.63	0.63	1.00	0.63	5865	94.3229%	Chloride	368.00	mg/L	500	1,250	1,698.0
5534500	8/12/2002	0.58	0.58	1.00	0.58	5892	94.7572%	Chloride	171.80	mg/L	500	537	1,563.3
5534500	11/8/2010	0.55	0.55	1.00	0.55	5926	95.3040%	Chloride	171.00	mg/L	500	507	1,482.4
5534500	10/13/2003	0.51	0.51	1.00	0.51	5956	95.7864%	Chloride	147.30	mg/L	500	405	1,374.6
5534500	11/9/2010	0.48	0.48	1.00	0.48	5977	96.1242%	Chloride	176.00	mg/L	500	455	1,293.7
5534500	6/25/2012	0.4	0.4	1.00	0.4	6033	97.0248%	Chloride	313.00	mg/L	500	675	1,078.1
5534500	8/8/2005	0.37	0.37	1.00	0.37	6078	97.7485%	Chloride	353.00	mg/L	500	704	997.3
5534500	8/8/2005	0.37	0.37	1.00	0.37	6078	97.7485%	Chloride	333.9	mg/L	500	666	997.3
5534500	9/8/2003	0.33	0.33	1.00	0.33	6115	98.3435%	Chloride	212.00	mg/L	500	377	889.4
5534500	10/10/2005	0.33	0.33	1.00	0.33	6115	98.3435%	Chloride	305.70	mg/L	500	544	889.4
5534500	11/3/1999	0.28	0.28	1.00	0.28	6134	98.6491%	Chloride	108.00	mg/L	500	163	754.7
5534500	10/20/2005	0.23	0.23	1.00	0.23	6161	99.0833%	Chloride	290.00	mg/L	500	360	619.9
5534500	9/12/2005	0.19	0.19	1.00	0.19	6171	99.2441%	Chloride	199.70	mg/L	500	205	512.1
5534500	10/11/2004	0.11	0.11	1.00	0.11	6187	99.5014%	Chloride	122.30	mg/L	500	73	296.5
5534500	9/13/2004	0.05	0.05	1.00	0.05	6199	99.6944%	Chloride	181.10	mg/L	500	49	134.8
5534500	9/14/2004	0.03	0.03	1.00	0.03	6203	99.7588%	Chloride	172.00	mg/L	500	28	80.9

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (million colonies/day)	Allowable Load (million colonies/day)
5534500	8/8/2011	120	120	1.00	120.00	96	3.0681%	Fecal	20000.00	CFU/100 mL	200	58,724,352	587,243.5
5534500	6/2/2011	30	30	1.00	30.00	458	14.6373%	Fecal	380.00	CFU/100 mL	200	278,941	146,810.9
5534500	8/9/2010	24	24	1.00	24.00	562	17.9610%	Fecal	20000.00	CFU/100 mL	200	11,744,870	117,448.7
5534500	6/8/2009	23	23	1.00	23.00	580	18.5363%	Fecal	5800.00	CFU/100 mL	200	3,264,095	112,555.0
5534500	10/20/2011	21	21	1.00	21.00	638	20.3899%	Fecal	1800.00	CFU/100 mL	200	924,909	102,767.6
5534500	7/1/2013	16	16	1.00	16.00	798	25.5034%	Fecal	1300.00	CFU/100 mL	200	508,944	78,299.1
5534500	6/13/2011	15	15	1.00	15.00	833	26.6219%	Fecal	360.00	CFU/100 mL	200	132,130	73,405.4
5534500	5/11/2009	13	13	1.00	13.00	921	29.4343%	Fecal	310.00	CFU/100 mL	200	98,608	63,618.0
5534500	5/10/2010	9.8	9.8	1.00	9.80	1152	36.8169%	Fecal	500.00	CFU/100 mL	200	119,896	47,958.2
5534500	6/14/2010	8.9	8.9	1.00	8.90	1238	39.5654%	Fecal	1400.00	CFU/100 mL	200	304,877	43,553.9
5534500	7/24/2012	8.5	8.5	1.00	8.50	1278	40.8437%	Fecal	3200.00	CFU/100 mL	200	665,543	41,596.4
5534500	7/12/2010	8.3	8.3	1.00	8.30	1290	41.2272%	Fecal	20000.00	CFU/100 mL	200	4,061,768	40,617.7
5534500	8/5/2013	7.7	7.7	1.00	7.70	1351	43.1767%	Fecal	4400.00	CFU/100 mL	200	828,992	37,681.5
5534500	9/13/2010	5.5	5.5	1.00	5.50	1624	51.9016%	Fecal	510.00	CFU/100 mL	200	68,634	26,915.3
5534500	5/20/2013	5.4	5.4	1.00	5.40	1639	52.3810%	Fecal	680.00	CFU/100 mL	200	89,848	26,426.0
5534500	5/9/2011	5.2	5.2	1.00	5.20	1665	53.2119%	Fecal	660.00	CFU/100 mL	200	83,976	25,447.2
5534500	10/12/2009	4	4	1.00	4.00	1855	59.2841%	Fecal	190.00	CFU/100 mL	200	18,596	19,574.8
5534500	6/28/2011	3.1	3.1	1.00	3.10	2040	65.1965%	Fecal	700.00	CFU/100 mL	200	53,097	15,170.5
5534500	9/26/2013	3	3	1.00	3.00	2057	65.7399%	Fecal	3200.00	CFU/100 mL	200	234,897	14,681.1
5534500	9/17/2012	2.9	2.9	1.00	2.90	2071	66.1873%	Fecal	420.00	CFU/100 mL	200	29,803	14,191.7
5534500	10/29/2012	2.9	2.9	1.00	2.90	2071	66.1873%	Fecal	81.00	CFU/100 mL	200	5,748	14,191.7
5534500	7/11/2011	2.5	2.5	1.00	2.50	2177	69.5749%	Fecal	1200.00	CFU/100 mL	200	73,405	12,234.2
5534500	7/16/2012	2.1	2.1	1.00	2.10	2279	72.8348%	Fecal	310.00	CFU/100 mL	200	15,929	10,276.8
5534500	8/10/2009	2.1	2.1	1.00	2.10	2279	72.8348%	Fecal	570.00	CFU/100 mL	200	29,289	10,276.8
5534500	10/10/2011	2.1	2.1	1.00	2.10	2279	72.8348%	Fecal	50.00	CFU/100 mL	200	2,569	10,276.8
5534500	5/14/2012	1.5	1.5	1.00	1.50	2475	79.0988%	Fecal	160.00	CFU/100 mL	200	5,872	7,340.5
5534500	7/13/2009	1.3	1.3	1.00	1.30	2540	81.1761%	Fecal	810.00	CFU/100 mL	200	25,765	6,361.8
5534500	9/14/2009	1.2	1.2	1.00	1.20	2585	82.6143%	Fecal	1800.00	CFU/100 mL	200	52,852	5,872.4
5534500	10/29/2013	1.1	1.1	1.00	1.10	2621	83.7648%	Fecal	110.00	CFU/100 mL	200	2,961	5,383.1
5534500	9/15/2009	0.99	0.99	1.00	0.99	2692	86.0339%	Fecal	940.00	CFU/100 mL	200	22,770	4,844.8
5534500	8/6/2009	0.83	0.83	1.00	0.83	2791	89.1978%	Fecal	900.00	CFU/100 mL	200	18,278	4,061.8
5534500	9/12/2011	0.78	0.78	1.00	0.78	2825	90.2844%	Fecal	530.00	CFU/100 mL	200	10,115	3,817.1
5534500	10/11/2010	0.78	0.78	1.00	0.78	2825	90.2844%	Fecal	60.00	CFU/100 mL	200	1,145	3,817.1
5534500	5/29/2012	0.77	0.77	1.00	0.77	2831	90.4762%	Fecal	780.00	CFU/100 mL	200	14,696	3,768.1
5534500	6/25/2012	0.4	0.4	1.00	0.40	3003	95.9732%	Fecal	2000.00	CFU/100 mL	200	19,575	1,957.5

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (lbs/day)	Allowable Load (lbs/day)
5536000	3/9/2009	1310	1305.15	0.60	802.70	21.00	0.221%	Chloride	234.00	mg/L	500	1,012,516	2,163,495.9
5536000	3/9/2009	1310	1305.15	0.60	802.70	21.00	0.221%	Chloride	195	mg/L	500	843,763	2,163,495.9
5536000	6/9/2008	745	740.15	0.60	466.05	158.00	1.664%	Chloride	170.00	mg/L	500	427,085	1,256,133.3
5536000	6/9/2008	745	740.15	0.60	466.05	158.00	1.664%	Chloride	101	mg/L	500	253,739	1,256,133.3
5536000	5/13/2002	725	720.15	0.60	454.13	176.00	1.854%	Chloride	152.50	mg/L	500	373,324	1,224,014.3
5536000	5/13/2002	725	720.15	0.60	454.13	176.00	1.854%	Chloride	143	mg/L	500	350,068	1,224,014.3
5536000	5/12/2003	724	719.15	0.60	453.54	178.00	1.875%	Chloride	197.90	mg/L	500	483,829	1,222,408.3
5536000	5/12/2003	724	719.15	0.60	453.54	178.00	1.875%	Chloride	161	mg/L	500	393,615	1,222,408.3
5536000	3/13/2006	630	625.15	0.60	397.53	271.00	2.854%	Chloride	308.30	mg/L	500	660,655	1,071,448.9
5536000	3/13/2006	630	625.15	0.60	397.53	271.00	2.854%	Chloride	183.5	mg/L	500	393,222	1,071,448.9
5536000	3/12/2007	580	575.15	0.60	367.74	320.00	3.371%	Chloride	522.50	mg/L	500	1,035,753	991,151.3
5536000	3/12/2007	580	575.15	0.60	367.74	320.00	3.371%	Chloride	386.7	mg/L	500	766,556	991,151.3
5536000	2/14/2005	533	528.15	0.60	339.73	388.00	4.087%	Chloride	592.00	mg/L	500	1,084,155	915,671.6
5536000	2/14/2005	533	528.15	0.60	339.73	388.00	4.087%	Chloride	285	mg/L	500	521,933	915,671.6
5536000	8/8/2011	488	483.15	0.60	312.92	469.00	4.940%	Chloride	94.00	mg/L	500	158,560	843,403.8
5536000	8/8/2011	488	483.15	0.60	312.92	469.00	4.940%	Chloride	68	mg/L	500	114,703	843,403.8
5536000	4/14/2008	395	390.15	0.60	257.51	667.00	7.025%	Chloride	387.00	mg/L	500	537,195	694,050.3
5536000	4/14/2008	395	390.15	0.60	257.51	667.00	7.025%	Chloride	272	mg/L	500	377,563	694,050.3
5536000	3/8/2004	355	350.15	0.60	233.67	784.00	8.258%	Chloride	483.90	mg/L	500	609,532	629,812.3
5536000	3/8/2004	355	350.15	0.60	233.67	784.00	8.258%	Chloride	337.5	mg/L	500	425,123	629,812.3
5536000	3/11/2002	292	287.15	0.60	196.13	1009.00	10.628%	Chloride	456.00	mg/L	500	482,117	528,637.3
5536000	3/11/2002	292	287.15	0.60	196.13	1009.00	10.628%	Chloride	358	mg/L	500	378,504	528,637.3
5536000	9/11/2006	272	267.15	0.60	184.22	1105.00	11.639%	Chloride	116.60	mg/L	500	115,788	496,518.3
5536000	9/11/2006	272	267.15	0.60	184.22	1105.00	11.639%	Chloride	31.6	mg/L	500	31,380	496,518.3
5536000	2/9/2009	271	266.15	0.60	183.62	1110.00	11.692%	Chloride	693.00	mg/L	500	685,949	494,912.3
5536000	2/9/2009	271	266.15	0.60	183.62	1110.00	11.692%	Chloride	422	mg/L	500	417,706	494,912.3
5536000	5/14/2001	266	261.15	0.60	180.64	1131.00	11.913%	Chloride	259.00	mg/L	500	252,205	486,882.6
5536000	5/14/2001	266	261.15	0.60	180.64	1131.00	11.913%	Chloride	199	mg/L	500	193,779	486,882.6
5536000	9/27/2001	260	255.15	0.60	177.07	1158.00	12.197%	Chloride	88.20	mg/L	500	84,186	477,246.9
5536000	6/14/2004	243	238.15	0.60	166.94	1246.00	13.124%	Chloride	199.70	mg/L	500	179,708	449,945.7
5536000	6/14/2004	243	238.15	0.60	166.94	1246.00	13.124%	Chloride	134.5	mg/L	500	121,035	449,945.7
5536000	6/10/2002	241	236.15	0.60	165.75	1253.00	13.198%	Chloride	110.40	mg/L	500	98,639	446,733.8
5536000	4/8/2002	237	232.15	0.60	163.36	1280.00	13.482%	Chloride	430.70	mg/L	500	379,283	440,310.0
5536000	4/8/2002	237	232.15	0.60	163.36	1280.00	13.482%	Chloride	252.7	mg/L	500	222,533	440,310.0
5536000	9/8/2008	229	224.15	0.60	158.60	1329.00	13.998%	Chloride	198.00	mg/L	500	169,275	427,462.4
5536000	9/8/2008	229	224.15	0.60	158.60	1329.00	13.998%	Chloride	138	mg/L	500	117,980	427,462.4
5536000	5/12/2008	195	190.15	0.60	138.34	1624.00	17.106%	Chloride	333.00	mg/L	500	248,325	372,860.0
5536000	5/12/2008	195	190.15	0.60	138.34	1624.00	17.106%	Chloride	232	mg/L	500	173,007	372,860.0
5536000	8/13/2007	192	187.15	0.60	136.55	1651.00	17.390%	Chloride	187.90	mg/L	500	138,310	368,042.2
5536000	8/13/2007	192	187.15	0.60	136.55	1651.00	17.390%	Chloride	141.9	mg/L	500	104,450	368,042.2
5536000	2/11/2002	186	181.15	0.60	132.98	1709.00	18.001%	Chloride	563.00	mg/L	500	403,566	358,406.5
5536000	2/11/2002	186	181.15	0.60	132.98	1709.00	18.001%	Chloride	230	mg/L	500	164,867	358,406.5
5536000	6/8/2009	153	148.15	0.60	113.31	2111.00	22.235%	Chloride	127.00	mg/L	500	77,574	305,410.1
5536000	6/8/2009	153	148.15	0.60	113.31	2111.00	22.235%	Chloride	180	mg/L	500	109,948	305,410.1
5536000	7/14/2008	145	140.15	0.60	108.55	2217.00	23.352%	Chloride	243.00	mg/L	500	142,185	292,562.5
5536000	7/14/2008	145	140.15	0.60	108.55	2217.00	23.352%	Chloride	177	mg/L	500	103,567	292,562.5
5536000	3/10/2008	142	137.15	0.60	106.76	2274.00	23.952%	Chloride	708.00	mg/L	500	407,446	287,744.6
5536000	3/10/2008	142	137.15	0.60	106.76	2274.00	23.952%	Chloride	483	mg/L	500	277,961	287,744.6
5536000	7/12/2010	135	130.15	0.60	102.59	2370.00	24.963%	Chloride	203.00	mg/L	500	112,260	276,502.9

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5536000	12/11/2006	134	129.15	0.60	101.99	2387.00	25.142%	Chloride	283.50	mg/L	500	155,867	274,897.0
5536000	12/11/2006	134	129.15	0.60	101.99	2387.00	25.142%	Chloride	189.1	mg/L	500	103,966	274,897.0
5536000	4/11/2011	132	127.15	0.60	100.80	2417.00	25.458%	Chloride	517.00	mg/L	500	280,922	271,685.1
5536000	4/11/2011	132	127.15	0.60	100.80	2417.00	25.458%	Chloride	311	mg/L	500	168,988	271,685.1
5536000	7/12/2004	125	120.15	0.60	96.63	2550.00	26.859%	Chloride	195.20	mg/L	500	101,677	260,443.4
5536000	7/12/2004	125	120.15	0.60	96.63	2550.00	26.859%	Chloride	134.8	mg/L	500	70,216	260,443.4
5536000	6/9/2003	109	104.15	0.60	87.10	2876.00	30.293%	Chloride	211.20	mg/L	500	99,158	234,748.2
5536000	11/13/2006	109	104.15	0.60	87.10	2876.00	30.293%	Chloride	156.60	mg/L	500	73,523	234,748.2
5536000	11/13/2006	109	104.15	0.60	87.10	2876.00	30.293%	Chloride	123.3	mg/L	500	57,889	234,748.2
5536000	3/14/2011	106	101.15	0.60	85.31	2944.00	31.009%	Chloride	660.00	mg/L	500	303,508	229,930.4
5536000	3/14/2011	106	101.15	0.60	85.31	2944.00	31.009%	Chloride	383	mg/L	500	176,127	229,930.4
5536000	1/8/2007	103	98.15	0.60	83.52	3029.00	31.904%	Chloride	222.60	mg/L	500	100,220	225,112.5
5536000	1/8/2007	103	98.15	0.60	83.52	3029.00	31.904%	Chloride	164.9	mg/L	500	74,242	225,112.5
5536000	12/13/2004	101	96.15	0.60	82.33	3083.00	32.473%	Chloride	285.00	mg/L	500	126,483	221,900.6
5536000	4/10/2006	101	96.15	0.60	82.33	3083.00	32.473%	Chloride	447.40	mg/L	500	198,557	221,900.6
5536000	12/13/2004	101	96.15	0.60	82.33	3083.00	32.473%	Chloride	204.2	mg/L	500	90,624	221,900.6
5536000	4/10/2006	101	96.15	0.60	82.33	3083.00	32.473%	Chloride	272.1	mg/L	500	120,758	221,900.6
5536000	2/11/2008	100	95.15	0.60	81.73	3113.00	32.789%	Chloride	829.20	mg/L	500	365,337	220,294.6
5536000	3/8/2010	97	92.15	0.60	79.95	3217.00	33.885%	Chloride	915.00	mg/L	500	394,323	215,476.8
5536000	3/8/2010	97	92.15	0.60	79.95	3217.00	33.885%	Chloride	529	mg/L	500	227,974	215,476.8
5536000	4/12/2010	96	91.15	0.60	79.35	3249.00	34.222%	Chloride	440.00	mg/L	500	188,206	213,870.8
5536000	4/12/2010	96	91.15	0.60	79.35	3249.00	34.222%	Chloride	282	mg/L	500	120,623	213,870.8
5536000	4/9/2001	94	89.15	0.60	78.16	3325.00	35.022%	Chloride	363.00	mg/L	500	152,938	210,658.9
5536000	1/17/2012	94	89.15	0.60	78.16	3325.00	35.022%	Chloride	1004.00	mg/L	500	423,003	210,658.9
5536000	4/9/2001	94	89.15	0.60	78.16	3325.00	35.022%	Chloride	300	mg/L	500	126,395	210,658.9
5536000	1/17/2012	94	89.15	0.60	78.16	3325.00	35.022%	Chloride	579	mg/L	500	243,943	210,658.9
5536000	9/10/2001	93	88.15	0.60	77.56	3363.00	35.422%	Chloride	129.00	mg/L	500	53,936	209,053.0
5536000	2/14/2011	93	88.15	0.60	77.56	3363.00	35.422%	Chloride	1116.00	mg/L	500	466,606	209,053.0
5536000	9/10/2001	93	88.15	0.60	77.56	3363.00	35.422%	Chloride	130	mg/L	500	54,354	209,053.0
5536000	2/14/2011	93	88.15	0.60	77.56	3363.00	35.422%	Chloride	592	mg/L	500	247,519	209,053.0
5536000	4/14/2003	91	86.15	0.60	76.37	3422.00	36.044%	Chloride	639.60	mg/L	500	263,312	205,841.1
5536000	4/13/2009	91	86.15	0.60	76.37	3422.00	36.044%	Chloride	505.00	mg/L	500	207,899	205,841.1
5536000	4/14/2003	91	86.15	0.60	76.37	3422.00	36.044%	Chloride	340.1	mg/L	500	140,013	205,841.1
5536000	4/13/2009	91	86.15	0.60	76.37	3422.00	36.044%	Chloride	285	mg/L	500	117,329	205,841.1
5536000	8/9/2010	87	82.15	0.60	73.99	3567.00	37.571%	Chloride	215.00	mg/L	500	85,749	199,417.3
5536000	6/13/2011	87	82.15	0.60	73.99	3567.00	37.571%	Chloride	291.00	mg/L	500	116,061	199,417.3
5536000	8/9/2010	87	82.15	0.60	73.99	3567.00	37.571%	Chloride	161	mg/L	500	64,212	199,417.3
5536000	6/13/2011	87	82.15	0.60	73.99	3567.00	37.571%	Chloride	196	mg/L	500	78,172	199,417.3
5536000	5/11/2009	86	81.15	0.60	73.39	3599.00	37.908%	Chloride	330.00	mg/L	500	130,555	197,811.3
5536000	5/11/2009	86	81.15	0.60	73.39	3599.00	37.908%	Chloride	190	mg/L	500	75,168	197,811.3
5536000	10/9/2006	85	80.15	0.60	72.80	3631.00	38.245%	Chloride	120.80	mg/L	500	47,403	196,205.4
5536000	10/9/2006	85	80.15	0.60	72.80	3631.00	38.245%	Chloride	120.4	mg/L	500	47,246	196,205.4
5536000	3/14/2005	84	79.15	0.60	72.20	3671.00	38.667%	Chloride	1346.30	mg/L	500	523,978	194,599.4
5536000	3/14/2005	84	79.15	0.60	72.20	3671.00	38.667%	Chloride	500.4	mg/L	500	194,755	194,599.4
5536000	5/8/2006	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	424.70	mg/L	500	161,200	189,781.6
5536000	4/9/2007	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	554.20	mg/L	500	210,354	189,781.6
5536000	11/14/2011	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	192.00	mg/L	500	72,876	189,781.6
5536000	5/8/2006	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	235.1	mg/L	500	89,235	189,781.6
5536000	4/9/2007	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	334.7	mg/L	500	127,040	189,781.6
5536000	11/14/2011	81	76.15	0.60	70.41	3792.00	39.941%	Chloride	134	mg/L	500	50,861	189,781.6
5536000	12/14/2009	80	75.15	0.60	69.82	3828.00	40.320%	Chloride	543.00	mg/L	500	204,359	188,175.6
5536000	12/14/2009	80	75.15	0.60	69.82	3828.00	40.320%	Chloride	251	mg/L	500	94,464	188,175.6

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5536000	3/12/2012	79	74.15	0.60	69.22	3862.00	40.678%	Chloride	84.00	mg/L	500	31,344	186,569.7
5536000	3/12/2012	79	74.15	0.60	69.22	3862.00	40.678%	Chloride	336	mg/L	500	125,375	186,569.7
5536000	1/14/2008	78	73.15	0.60	68.62	3902.00	41.100%	Chloride	623.30	mg/L	500	230,576	184,963.7
5536000	1/14/2008	78	73.15	0.60	68.62	3902.00	41.100%	Chloride	479.6	mg/L	500	177,417	184,963.7
5536000	5/10/2010	77	72.15	0.60	68.03	3945.00	41.553%	Chloride	438.00	mg/L	500	160,621	183,357.8
5536000	5/10/2010	77	72.15	0.60	68.03	3945.00	41.553%	Chloride	272	mg/L	500	99,747	183,357.8
5536000	6/12/2006	76	71.15	0.60	67.43	3996.00	42.090%	Chloride	261.60	mg/L	500	95,093	181,751.8
5536000	6/12/2006	76	71.15	0.60	67.43	3996.00	42.090%	Chloride	201.5	mg/L	500	73,246	181,751.8
5536000	6/11/2007	75	70.15	0.60	66.84	4049.00	42.648%	Chloride	410.30	mg/L	500	147,828	180,145.9
5536000	6/11/2007	75	70.15	0.60	66.84	4049.00	42.648%	Chloride	291.7	mg/L	500	105,097	180,145.9
5536000	7/14/2003	74	69.15	0.60	66.24	4091.00	43.090%	Chloride	247.50	mg/L	500	88,377	178,539.9
5536000	3/12/2001	73	68.15	0.60	65.65	4124.00	43.438%	Chloride	479.00	mg/L	500	169,503	176,934.0
5536000	3/12/2001	73	68.15	0.60	65.65	4124.00	43.438%	Chloride	333	mg/L	500	117,838	176,934.0
5536000	11/10/2003	72	67.15	0.60	65.05	4176.00	43.986%	Chloride	185.30	mg/L	500	64,977	175,328.0
5536000	6/14/2010	70	65.15	0.60	63.86	4278.00	45.060%	Chloride	257.00	mg/L	500	88,468	172,116.1
5536000	6/11/2001	69	64.15	0.60	63.26	4343.00	45.745%	Chloride	261.00	mg/L	500	89,006	170,510.2
5536000	7/9/2001	69	64.15	0.60	63.26	4343.00	45.745%	Chloride	197.00	mg/L	500	67,181	170,510.2
5536000	6/11/2001	69	64.15	0.60	63.26	4343.00	45.745%	Chloride	175	mg/L	500	59,679	170,510.2
5536000	7/9/2001	69	64.15	0.60	63.26	4343.00	45.745%	Chloride	154	mg/L	500	52,517	170,510.2
5536000	7/9/2007	68	63.15	0.60	62.67	4394.00	46.282%	Chloride	378.40	mg/L	500	127,827	168,904.2
5536000	7/9/2007	68	63.15	0.60	62.67	4394.00	46.282%	Chloride	237.1	mg/L	500	80,094	168,904.2
5536000	12/13/2010	67	62.15	0.60	62.07	4446.00	46.830%	Chloride	350.00	mg/L	500	117,109	167,298.3
5536000	6/21/2011	66	61.15	0.60	61.47	4503.00	47.430%	Chloride	211.00	mg/L	500	69,922	165,692.3
5536000	6/13/2006	63	58.15	0.60	59.69	4677.00	49.263%	Chloride	200.00	mg/L	500	64,350	160,874.4
5536000	1/10/2005	61	56.15	0.60	58.50	4791.00	50.463%	Chloride	527.50	mg/L	500	166,334	157,662.5
5536000	12/8/2008	61	56.15	0.60	58.50	4791.00	50.463%	Chloride	260.00	mg/L	500	81,985	157,662.5
5536000	5/9/2011	61	56.15	0.60	58.50	4791.00	50.463%	Chloride	439.00	mg/L	500	138,428	157,662.5
5536000	1/10/2005	61	56.15	0.60	58.50	4791.00	50.463%	Chloride	329.5	mg/L	500	103,900	157,662.5
5536000	5/9/2011	61	56.15	0.60	58.50	4791.00	50.463%	Chloride	227	mg/L	500	71,579	157,662.5
5536000	7/24/2006	60	55.15	0.60	57.90	4862.00	51.211%	Chloride	76.00	mg/L	500	23,721	156,056.6
5536000	11/8/2004	59	54.15	0.60	57.30	4926.00	51.885%	Chloride	197.30	mg/L	500	60,946	154,450.6
5536000	11/8/2004	59	54.15	0.60	57.30	4926.00	51.885%	Chloride	146.9	mg/L	500	45,378	154,450.6
5536000	8/10/2009	58	53.15	0.60	56.71	4982.00	52.475%	Chloride	151.00	mg/L	500	46,159	152,844.7
5536000	8/10/2009	58	53.15	0.60	56.71	4982.00	52.475%	Chloride	132	mg/L	500	40,351	152,844.7
5536000	9/20/2011	57	52.15	0.60	56.11	5044.00	53.128%	Chloride	122.00	mg/L	500	36,902	151,238.7
5536000	7/11/2011	56	51.15	0.60	55.52	5111.00	53.834%	Chloride	370.00	mg/L	500	110,728	149,632.8
5536000	7/11/2011	56	51.15	0.60	55.52	5111.00	53.834%	Chloride	91	mg/L	500	27,233	149,632.8
5536000	11/14/2005	54	49.15	0.60	54.32	5256.00	55.361%	Chloride	180.20	mg/L	500	52,770	146,420.9
5536000	11/10/2008	54	49.15	0.60	54.32	5256.00	55.361%	Chloride	193.00	mg/L	500	56,518	146,420.9
5536000	11/14/2005	54	49.15	0.60	54.32	5256.00	55.361%	Chloride	160.2	mg/L	500	46,913	146,420.9
5536000	11/10/2008	54	49.15	0.60	54.32	5256.00	55.361%	Chloride	143	mg/L	500	41,876	146,420.9
5536000	12/12/2011	50	45.15	0.60	51.94	5594.00	58.921%	Chloride	271.00	mg/L	500	75,878	139,997.1
5536000	12/12/2011	50	45.15	0.60	51.94	5594.00	58.921%	Chloride	157	mg/L	500	43,959	139,997.1
5536000	10/8/2001	49	44.15	0.60	51.35	5687.00	59.901%	Chloride	135.00	mg/L	500	37,366	138,391.1
5536000	4/11/2005	49	44.15	0.60	51.35	5687.00	59.901%	Chloride	603.50	mg/L	500	167,038	138,391.1
5536000	10/8/2001	49	44.15	0.60	51.35	5687.00	59.901%	Chloride	116	mg/L	500	32,107	138,391.1
5536000	4/11/2005	49	44.15	0.60	51.35	5687.00	59.901%	Chloride	346.2	mg/L	500	95,822	138,391.1
5536000	1/9/2006	47	42.15	0.60	50.15	5888.00	62.018%	Chloride	695.40	mg/L	500	188,007	135,179.2
5536000	1/9/2006	47	42.15	0.60	50.15	5888.00	62.018%	Chloride	419.6	mg/L	500	113,442	135,179.2
5536000	5/10/2004	46	41.15	0.60	49.56	5995.00	63.145%	Chloride	460.30	mg/L	500	122,968	133,573.3
5536000	11/9/2009	46	41.15	0.60	49.56	5995.00	63.145%	Chloride	230.00	mg/L	500	61,444	133,573.3
5536000	5/10/2004	46	41.15	0.60	49.56	5995.00	63.145%	Chloride	221.6	mg/L	500	59,200	133,573.3

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5536000	11/9/2009	46	41.15	0.60	49.56	5995.00	63.145%	Chloride	143	mg/L	500	38,202	133,573.3
5536000	12/8/2003	44	39.15	0.60	48.37	6180.00	65.094%	Chloride	240.30	mg/L	500	62,652	130,361.4
5536000	12/12/2005	44	39.15	0.60	48.37	6180.00	65.094%	Chloride	226.80	mg/L	500	59,132	130,361.4
5536000	1/10/2011	44	39.15	0.60	48.37	6180.00	65.094%	Chloride	319.00	mg/L	500	83,171	130,361.4
5536000	9/10/2007	43	38.15	0.60	47.77	6289.00	66.242%	Chloride	165.30	mg/L	500	42,567	128,755.4
5536000	4/9/2012	43	38.15	0.60	47.77	6289.00	66.242%	Chloride	361.00	mg/L	500	92,961	128,755.4
5536000	9/10/2007	43	38.15	0.60	47.77	6289.00	66.242%	Chloride	145.7	mg/L	500	37,519	128,755.4
5536000	4/9/2012	43	38.15	0.60	47.77	6289.00	66.242%	Chloride	276	mg/L	500	71,073	128,755.4
5536000	5/9/2005	42	37.15	0.60	47.17	6402.00	67.432%	Chloride	501.60	mg/L	500	127,556	127,149.5
5536000	10/12/2009	42	37.15	0.60	47.17	6402.00	67.432%	Chloride	181.00	mg/L	500	46,028	127,149.5
5536000	5/9/2005	42	37.15	0.60	47.17	6402.00	67.432%	Chloride	248.4	mg/L	500	63,168	127,149.5
5536000	10/12/2009	42	37.15	0.60	47.17	6402.00	67.432%	Chloride	136	mg/L	500	34,585	127,149.5
5536000	2/9/2004	41	36.15	0.60	46.58	6520.00	68.675%	Chloride	892.50	mg/L	500	224,095	125,543.5
5536000	1/12/2009	40	35.15	0.60	45.98	6642.00	69.960%	Chloride	387.00	mg/L	500	95,928	123,937.6
5536000	2/14/2012	39	34.15	0.60	45.39	6753.00	71.129%	Chloride	716.00	mg/L	500	175,179	122,331.6
5536000	2/14/2012	39	34.15	0.60	45.39	6753.00	71.129%	Chloride	355	mg/L	500	86,855	122,331.6
5536000	1/12/2004	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	323.20	mg/L	500	78,037	120,725.7
5536000	8/9/2004	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	213.80	mg/L	500	51,622	120,725.7
5536000	7/13/2009	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	261.00	mg/L	500	63,019	120,725.7
5536000	8/18/2011	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	155.00	mg/L	500	37,425	120,725.7
5536000	8/9/2004	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	140.3	mg/L	500	33,876	120,725.7
5536000	7/13/2009	38	33.15	0.60	44.79	6877.00	72.435%	Chloride	178	mg/L	500	42,978	120,725.7
5536000	11/12/2002	37	32.15	0.60	44.20	6994.00	73.668%	Chloride	176.70	mg/L	500	42,097	119,119.7
5536000	10/11/2004	37	32.15	0.60	44.20	6994.00	73.668%	Chloride	142.10	mg/L	500	33,854	119,119.7
5536000	11/12/2002	37	32.15	0.60	44.20	6994.00	73.668%	Chloride	113.5	mg/L	500	27,040	119,119.7
5536000	10/11/2004	37	32.15	0.60	44.20	6994.00	73.668%	Chloride	106.4	mg/L	500	25,349	119,119.7
5536000	1/14/2002	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	174.00	mg/L	500	40,895	117,513.8
5536000	7/10/2006	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	273.40	mg/L	500	64,257	117,513.8
5536000	5/14/2007	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	452.20	mg/L	500	106,279	117,513.8
5536000	5/14/2012	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	398.00	mg/L	500	93,541	117,513.8
5536000	1/14/2002	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	121	mg/L	500	28,438	117,513.8
5536000	7/10/2006	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	176.9	mg/L	500	41,576	117,513.8
5536000	5/14/2007	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	267.9	mg/L	500	62,964	117,513.8
5536000	5/14/2012	36	31.15	0.60	43.60	7105.00	74.837%	Chloride	228	mg/L	500	53,586	117,513.8
5536000	8/13/2001	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	176.00	mg/L	500	40,800	115,907.8
5536000	9/9/2002	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	127.30	mg/L	500	29,510	115,907.8
5536000	2/8/2010	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	909.00	mg/L	500	210,720	115,907.8
5536000	9/13/2010	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	161.00	mg/L	500	37,322	115,907.8
5536000	8/13/2001	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	143	mg/L	500	33,150	115,907.8
5536000	9/9/2002	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	114.3	mg/L	500	26,497	115,907.8
5536000	2/8/2010	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	300	mg/L	500	69,545	115,907.8
5536000	9/13/2010	35	30.15	0.60	43.00	7234.00	76.195%	Chloride	149	mg/L	500	34,541	115,907.8
5536000	11/13/2001	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	141.00	mg/L	500	32,233	114,301.9
5536000	2/14/2006	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	808.60	mg/L	500	184,849	114,301.9
5536000	9/14/2009	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	279.00	mg/L	500	63,780	114,301.9
5536000	11/13/2001	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	103	mg/L	500	23,546	114,301.9
5536000	2/14/2006	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	543.4	mg/L	500	124,223	114,301.9
5536000	9/14/2009	34	29.15	0.60	42.41	7363.00	77.554%	Chloride	161	mg/L	500	36,805	114,301.9
5536000	6/13/2005	33	28.15	0.60	41.81	7500.00	78.997%	Chloride	399.70	mg/L	500	90,089	112,695.9
5536000	10/13/2008	33	28.15	0.60	41.81	7500.00	78.997%	Chloride	201.00	mg/L	500	45,304	112,695.9
5536000	6/13/2005	33	28.15	0.60	41.81	7500.00	78.997%	Chloride	220	mg/L	500	49,586	112,695.9
5536000	10/13/2008	33	28.15	0.60	41.81	7500.00	78.997%	Chloride	155	mg/L	500	34,936	112,695.9

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5536000	10/14/2002	30	25.15	0.60	40.02	7856.00	82.747%	Chloride	172.60	mg/L	500	37,240	107,878.0
5536000	10/10/2011	30	25.15	0.60	40.02	7856.00	82.747%	Chloride	256.00	mg/L	500	55,234	107,878.0
5536000	10/14/2002	30	25.15	0.60	40.02	7856.00	82.747%	Chloride	107.2	mg/L	500	23,129	107,878.0
5536000	10/10/2011	30	25.15	0.60	40.02	7856.00	82.747%	Chloride	144	mg/L	500	31,069	107,878.0
5536000	8/11/2003	29	24.15	0.60	39.43	7989.00	84.148%	Chloride	227.20	mg/L	500	48,290	106,272.1
5536000	8/11/2003	29	24.15	0.60	39.43	7989.00	84.148%	Chloride	145.1	mg/L	500	30,840	106,272.1
5536000	4/12/2004	28	23.15	0.60	38.83	8115.00	85.475%	Chloride	492.40	mg/L	500	103,075	104,666.1
5536000	7/16/2012	28	23.15	0.60	38.83	8115.00	85.475%	Chloride	138.00	mg/L	500	28,888	104,666.1
5536000	4/12/2004	28	23.15	0.60	38.83	8115.00	85.475%	Chloride	284.9	mg/L	500	59,639	104,666.1
5536000	7/16/2012	28	23.15	0.60	38.83	8115.00	85.475%	Chloride	146	mg/L	500	30,563	104,666.1
5536000	7/11/2005	26	21.15	0.60	37.64	8343.00	87.877%	Chloride	431.10	mg/L	500	87,474	101,454.2
5536000	12/10/2007	26	21.15	0.60	37.64	8343.00	87.877%	Chloride	576.40	mg/L	500	116,956	101,454.2
5536000	8/11/2008	26	21.15	0.60	37.64	8343.00	87.877%	Chloride	239.00	mg/L	500	48,495	101,454.2
5536000	7/11/2005	26	21.15	0.60	37.64	8343.00	87.877%	Chloride	268	mg/L	500	54,379	101,454.2
5536000	8/11/2008	26	21.15	0.60	37.64	8343.00	87.877%	Chloride	173	mg/L	500	35,103	101,454.2
5536000	12/10/2001	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	128.00	mg/L	500	25,150	98,242.3
5536000	9/12/2005	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	209.90	mg/L	500	41,242	98,242.3
5536000	6/11/2012	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	380.00	mg/L	500	74,664	98,242.3
5536000	12/10/2001	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	120	mg/L	500	23,578	98,242.3
5536000	9/12/2005	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	126.8	mg/L	500	24,914	98,242.3
5536000	6/11/2012	24	19.15	0.60	36.45	8616.00	90.752%	Chloride	213	mg/L	500	41,851	98,242.3
5536000	9/13/2004	22	17.15	0.60	35.26	8880.00	93.533%	Chloride	211.60	mg/L	500	40,217	95,030.4
5536000	8/8/2005	22	17.15	0.60	35.26	8880.00	93.533%	Chloride	165.60	mg/L	500	31,474	95,030.4
5536000	9/13/2004	22	17.15	0.60	35.26	8880.00	93.533%	Chloride	123.4	mg/L	500	23,454	95,030.4
5536000	8/14/2006	21	16.15	0.60	34.66	8992.00	94.712%	Chloride	228.90	mg/L	500	42,770	93,424.5
5536000	8/14/2006	21	16.15	0.60	34.66	8992.00	94.712%	Chloride	169.4	mg/L	500	31,652	93,424.5
5536000	11/8/2010	20	15.15	0.60	34.07	9092.00	95.766%	Chloride	230.00	mg/L	500	42,237	91,818.5
5536000	11/8/2010	20	15.15	0.60	34.07	9092.00	95.766%	Chloride	116	mg/L	500	21,302	91,818.5
5536000	9/8/2003	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	212.70	mg/L	500	38,376	90,212.6
5536000	10/10/2005	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	219.50	mg/L	500	39,603	90,212.6
5536000	10/11/2010	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	231.00	mg/L	500	41,678	90,212.6
5536000	9/12/2011	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	212.00	mg/L	500	38,250	90,212.6
5536000	10/10/2005	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	221.2	mg/L	500	39,910	90,212.6
5536000	10/11/2010	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	155	mg/L	500	27,966	90,212.6
5536000	9/12/2011	19	14.15	0.60	33.47	9179.00	96.682%	Chloride	154	mg/L	500	27,785	90,212.6
5536000	7/8/2002	18	13.15	0.60	32.87	9247.00	97.398%	Chloride	160.40	mg/L	500	28,425	88,606.6
5536000	10/8/2007	16	11.15	0.60	31.68	9337.00	98.346%	Chloride	181.90	mg/L	500	31,067	85,394.7
5536000	10/8/2007	16	11.15	0.60	31.68	9337.00	98.346%	Chloride	152.9	mg/L	500	26,114	85,394.7
5536000	8/12/2002	13	8.15	0.60	29.90	9394.00	98.947%	Chloride	164.20	mg/L	500	26,461	80,576.9
5536000	8/12/2002	13	8.15	0.60	29.90	9394.00	98.947%	Chloride	101.2	mg/L	500	16,309	80,576.9
5536000	8/1/2001	12	7.15	0.60	29.30	9406.00	99.073%	Chloride	137.00	mg/L	500	21,638	78,970.9
5536000	11/13/2007	9.6	4.75	0.60	27.87	9450.00	99.537%	Chloride	219.20	mg/L	500	32,931	75,116.6
5536000	11/13/2007	9.6	4.75	0.60	27.87	9450.00	99.537%	Chloride	142.2	mg/L	500	21,363	75,116.6

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (million colonies/day)	Allowable Load (million colonies/day)
5536000	6/9/2008	745	740.15	0.60	470.08	82	1.73%	Fecal	6700.00	CFU/100 mL	200	77,064,224	2,300,424.6
5536000	6/9/2008	745	740.15	0.60	470.08	82	1.73%	Fecal	16000	CFU/100 mL	200	184,033,968	2,300,424.6
5536000	5/13/2002	725	720.15	0.60	458.16	91	1.92%	Fecal	4000	CFU/100 mL	200	44,842,154	2,242,107.7
5536000	5/12/2003	724	719.15	0.60	457.57	93	1.97%	Fecal	1200	CFU/100 mL	200	13,435,151	2,239,191.8
5536000	8/8/2011	488	483.15	0.60	316.95	216	4.57%	Fecal	9000.00	CFU/100 mL	200	69,797,347	1,551,052.2
5536000	8/8/2011	488	483.15	0.60	316.95	216	4.57%	Fecal	10000	CFU/100 mL	200	77,552,608	1,551,052.2
5536000	9/11/2006	272	267.15	0.60	188.25	495	10.47%	Fecal	29000	CFU/100 mL	200	133,578,265	921,229.4
5536000	5/14/2001	266	261.15	0.60	184.67	511	10.80%	Fecal	150	CFU/100 mL	200	677,801	903,734.3
5536000	6/14/2004	243	238.15	0.60	170.97	571	12.07%	Fecal	560	CFU/100 mL	200	2,342,676	836,669.9
5536000	9/8/2008	229	224.15	0.60	162.63	607	12.83%	Fecal	1100.00	CFU/100 mL	200	4,377,164	795,848.0
5536000	9/8/2008	229	224.15	0.60	162.63	607	12.83%	Fecal	1100	CFU/100 mL	200	4,377,164	795,848.0
5536000	5/12/2008	195	190.15	0.60	142.37	729	15.41%	Fecal	1300.00	CFU/100 mL	200	4,528,610	696,709.3
5536000	5/12/2008	195	190.15	0.60	142.37	729	15.41%	Fecal	400	CFU/100 mL	200	1,393,419	696,709.3
5536000	8/13/2007	192	187.15	0.60	140.58	742	15.69%	Fecal	520	CFU/100 mL	200	1,788,700	687,961.7
5536000	6/8/2009	153	148.15	0.60	117.34	952	20.13%	Fecal	10000.00	CFU/100 mL	200	28,712,187	574,243.7
5536000	6/8/2009	153	148.15	0.60	117.34	952	20.13%	Fecal	6600	CFU/100 mL	200	18,950,043	574,243.7
5536000	7/14/2008	145	140.15	0.60	112.58	1003	21.21%	Fecal	390.00	CFU/100 mL	200	1,074,288	550,917.0
5536000	7/14/2008	145	140.15	0.60	112.58	1003	21.21%	Fecal	400	CFU/100 mL	200	1,101,834	550,917.0
5536000	7/12/2010	135	130.15	0.60	106.62	1065	22.52%	Fecal	3800.00	CFU/100 mL	200	9,913,412	521,758.5
5536000	7/12/2004	125	120.15	0.60	100.66	1150	24.31%	Fecal	1200	CFU/100 mL	200	2,955,600	492,600.0
5536000	9/10/2001	93	88.15	0.60	81.59	1479	31.27%	Fecal	2600	CFU/100 mL	200	5,190,809	399,293.0
5536000	6/13/2011	87	82.15	0.60	78.02	1548	32.73%	Fecal	400.00	CFU/100 mL	200	763,596	381,797.9
5536000	8/9/2010	87	82.15	0.60	78.02	1548	32.73%	Fecal	3200.00	CFU/100 mL	200	6,108,766	381,797.9
5536000	8/9/2010	87	82.15	0.60	78.02	1548	32.73%	Fecal	3900	CFU/100 mL	200	7,445,059	381,797.9
5536000	6/13/2011	87	82.15	0.60	78.02	1548	32.73%	Fecal	90	CFU/100 mL	200	171,809	381,797.9
5536000	5/11/2009	86	81.15	0.60	77.42	1560	32.98%	Fecal	820.00	CFU/100 mL	200	1,553,416	378,882.0
5536000	5/11/2009	86	81.15	0.60	77.42	1560	32.98%	Fecal	120	CFU/100 mL	200	227,329	378,882.0
5536000	10/9/2006	85	80.15	0.60	76.83	1573	33.26%	Fecal	230	CFU/100 mL	200	432,361	375,966.2
5536000	5/8/2006	81	76.15	0.60	74.44	1648	34.84%	Fecal	250	CFU/100 mL	200	455,379	364,302.8
5536000	5/10/2010	77	72.15	0.60	72.06	1701	35.96%	Fecal	190.00	CFU/100 mL	200	335,007	352,639.4
5536000	5/10/2010	77	72.15	0.60	72.06	1701	35.96%	Fecal	30	CFU/100 mL	200	52,896	352,639.4
5536000	6/12/2006	76	71.15	0.60	71.46	1725	36.47%	Fecal	270	CFU/100 mL	200	472,127	349,723.6
5536000	6/11/2007	75	70.15	0.60	70.87	1747	36.93%	Fecal	11000	CFU/100 mL	200	19,074,426	346,807.7
5536000	6/14/2010	70	65.15	0.60	67.89	1846	39.03%	Fecal	1100.00	CFU/100 mL	200	1,827,257	332,228.5
5536000	6/11/2001	69	64.15	0.60	67.29	1877	39.68%	Fecal	330	CFU/100 mL	200	543,366	329,312.7
5536000	7/9/2001	69	64.15	0.60	67.29	1877	39.68%	Fecal	2300	CFU/100 mL	200	3,787,096	329,312.7
5536000	7/9/2007	68	63.15	0.60	66.70	1904	40.25%	Fecal	480	CFU/100 mL	200	783,352	326,396.8
5536000	5/9/2011	61	56.15	0.60	62.53	2085	44.08%	Fecal	220.00	CFU/100 mL	200	336,584	305,985.9
5536000	5/9/2011	61	56.15	0.60	62.53	2085	44.08%	Fecal	350	CFU/100 mL	200	535,475	305,985.9
5536000	8/10/2009	58	53.15	0.60	60.74	2174	45.96%	Fecal	280.00	CFU/100 mL	200	416,134	297,238.4
5536000	8/10/2009	58	53.15	0.60	60.74	2174	45.96%	Fecal	660	CFU/100 mL	200	980,887	297,238.4
5536000	7/11/2011	56	51.15	0.60	59.55	2241	47.38%	Fecal	890.00	CFU/100 mL	200	1,296,760	291,406.7
5536000	7/11/2011	56	51.15	0.60	59.55	2241	47.38%	Fecal	60000	CFU/100 mL	200	87,421,998	291,406.7
5536000	10/8/2001	49	44.15	0.60	55.38	2488	52.60%	Fecal	910	CFU/100 mL	200	1,233,031	270,995.7
5536000	5/10/2004	46	41.15	0.60	53.59	2624	55.48%	Fecal	54000	CFU/100 mL	200	70,807,014	262,248.2
5536000	9/10/2007	43	38.15	0.60	51.80	2768	58.52%	Fecal	12000	CFU/100 mL	200	15,210,040	253,500.7
5536000	10/12/2009	42	37.15	0.60	51.21	2821	59.64%	Fecal	1200.00	CFU/100 mL	200	1,503,509	250,584.8
5536000	5/9/2005	42	37.15	0.60	51.21	2821	59.64%	Fecal	3500	CFU/100 mL	200	4,385,234	250,584.8
5536000	10/12/2009	42	37.15	0.60	51.21	2821	59.64%	Fecal	80	CFU/100 mL	200	100,234	250,584.8
5536000	7/13/2009	38	33.15	0.60	48.82	3033	64.12%	Fecal	500.00	CFU/100 mL	200	597,304	238,921.4
5536000	8/9/2004	38	33.15	0.60	48.82	3033	64.12%	Fecal	600	CFU/100 mL	200	716,764	238,921.4
5536000	7/13/2009	38	33.15	0.60	48.82	3033	64.12%	Fecal	450	CFU/100 mL	200	537,573	238,921.4
5536000	10/11/2004	37	32.15	0.60	48.23	3084	65.20%	Fecal	840	CFU/100 mL	200	991,223	236,005.6
5536000	5/14/2012	36	31.15	0.60	47.63	3133	66.24%	Fecal	90.00	CFU/100 mL	200	104,890	233,089.7
5536000	7/10/2006	36	31.15	0.60	47.63	3133	66.24%	Fecal	500	CFU/100 mL	200	582,724	233,089.7
5536000	5/14/2007	36	31.15	0.60	47.63	3133	66.24%	Fecal	230	CFU/100 mL	200	268,053	233,089.7

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5536000	5/14/2012	36	31.15	0.60	47.63	3133	66.24%	Fecal	190	CFU/100 mL	200	221,435	233,089.7
5536000	9/13/2010	35	30.15	0.60	47.03	3200	67.65%	Fecal	730.00	CFU/100 mL	200	840,135	230,173.9
5536000	8/13/2001	35	30.15	0.60	47.03	3200	67.65%	Fecal	5800	CFU/100 mL	200	6,675,043	230,173.9
5536000	9/9/2002	35	30.15	0.60	47.03	3200	67.65%	Fecal	1200	CFU/100 mL	200	1,381,043	230,173.9
5536000	9/13/2010	35	30.15	0.60	47.03	3200	67.65%	Fecal	80	CFU/100 mL	200	92,070	230,173.9
5536000	9/14/2009	34	29.15	0.60	46.44	3270	69.13%	Fecal	210.00	CFU/100 mL	200	238,621	227,258.0
5536000	9/14/2009	34	29.15	0.60	46.44	3270	69.13%	Fecal	290	CFU/100 mL	200	329,524	227,258.0
5536000	10/13/2008	33	28.15	0.60	45.84	3349	70.80%	Fecal	440.00	CFU/100 mL	200	493,553	224,342.2
5536000	6/13/2005	33	28.15	0.60	45.84	3349	70.80%	Fecal	2000	CFU/100 mL	200	2,243,422	224,342.2
5536000	10/13/2008	33	28.15	0.60	45.84	3349	70.80%	Fecal	450	CFU/100 mL	200	504,770	224,342.2
5536000	10/10/2011	30	25.15	0.60	44.06	3577	75.62%	Fecal	300.00	CFU/100 mL	200	323,392	215,594.7
5536000	10/14/2002	30	25.15	0.60	44.06	3577	75.62%	Fecal	450	CFU/100 mL	200	485,088	215,594.7
5536000	10/10/2011	30	25.15	0.60	44.06	3577	75.62%	Fecal	230	CFU/100 mL	200	247,934	215,594.7
5536000	8/11/2003	29	24.15	0.60	43.46	3664	77.46%	Fecal	2300	CFU/100 mL	200	2,445,806	212,678.8
5536000	7/16/2012	28	23.15	0.60	42.86	3744	79.15%	Fecal	570.00	CFU/100 mL	200	597,824	209,763.0
5536000	7/16/2012	28	23.15	0.60	42.86	3744	79.15%	Fecal	280	CFU/100 mL	200	293,668	209,763.0
5536000	8/11/2008	26	21.15	0.60	41.67	3889	82.22%	Fecal	460.00	CFU/100 mL	200	469,042	203,931.3
5536000	7/11/2005	26	21.15	0.60	41.67	3889	82.22%	Fecal	500	CFU/100 mL	200	509,828	203,931.3
5536000	8/11/2008	26	21.15	0.60	41.67	3889	82.22%	Fecal	560	CFU/100 mL	200	571,008	203,931.3
5536000	6/11/2012	24	19.15	0.60	40.48	4078	86.22%	Fecal	100.00	CFU/100 mL	200	99,050	198,099.6
5536000	9/12/2005	24	19.15	0.60	40.48	4078	86.22%	Fecal	500	CFU/100 mL	200	495,249	198,099.6
5536000	6/11/2012	24	19.15	0.60	40.48	4078	86.22%	Fecal	150	CFU/100 mL	200	148,575	198,099.6
5536000	9/13/2004	22	17.15	0.60	39.29	4251	89.87%	Fecal	560	CFU/100 mL	200	538,350	192,267.9
5536000	8/14/2006	21	16.15	0.60	38.69	4329	91.52%	Fecal	860	CFU/100 mL	200	814,214	189,352.0
5536000	9/12/2011	19	14.15	0.60	37.50	4468	94.46%	Fecal	490.00	CFU/100 mL	200	449,625	183,520.4
5536000	10/11/2010	19	14.15	0.60	37.50	4468	94.46%	Fecal	130.00	CFU/100 mL	200	119,288	183,520.4
5536000	10/10/2005	19	14.15	0.60	37.50	4468	94.46%	Fecal	560	CFU/100 mL	200	513,857	183,520.4
5536000	10/11/2010	19	14.15	0.60	37.50	4468	94.46%	Fecal	90	CFU/100 mL	200	82,584	183,520.4
5536000	9/12/2011	19	14.15	0.60	37.50	4468	94.46%	Fecal	210	CFU/100 mL	200	192,696	183,520.4
5536000	10/8/2007	16	11.15	0.60	35.71	4598	97.21%	Fecal	270	CFU/100 mL	200	235,943	174,772.8
5536000	8/12/2002	13	8.15	0.60	33.93	4652	98.35%	Fecal	1100	CFU/100 mL	200	913,139	166,025.3

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Gage ID	Date	Discharge (CFS)	Gage Discharge +NPDES (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (lbs/day)	Allowable Load (lbs/day)
5535070	2/27/2009	309	331.6	0.97	322.14	56	0.8793%	Chloride	193.40	mg/L	500	335,847	868,271.7
5535070	10/3/2006	285	307.6	0.97	298.83	65	1.0206%	Chloride	285.00	mg/L	500	459,092	805,424.3
5535070	3/11/2010	150	172.6	0.97	167.67	172	2.7006%	Chloride	216.60	mg/L	500	195,766	451,907.5
5535070	3/12/2010	140	162.6	0.97	157.95	195	3.0617%	Chloride	357.30	mg/L	500	304,220	425,721.1
5535070	5/1/2016	130	152.6	0.97	148.23	219	3.4385%	Chloride	214.80	mg/L	500	171,640	399,534.7
5535070	3/15/2006	106	128.6	0.97	124.92	284	4.4591%	Chloride	136.00	mg/L	500	91,579	336,687.3
5535070	3/12/2014	101	123.6	0.97	120.06	300	4.7103%	Chloride	162.00	mg/L	500	104,844	323,594.0
5535070	5/13/2016	97	119.6	0.97	116.17	320	5.0243%	Chloride	134.00	mg/L	500	83,916	313,119.5
5535070	7/11/2008	60	82.6	0.97	80.23	579	9.0909%	Chloride	552.90	mg/L	500	239,107	216,229.7
5535070	1/15/2001	55	77.6	0.97	75.37	638	10.0173%	Chloride	114.00	mg/L	500	46,315	203,136.5
5535070	8/11/2012	54	76.6	0.97	74.40	660	10.3627%	Chloride	112.30	mg/L	500	45,036	200,517.8
5535070	4/10/2003	39	61.6	0.97	59.82	951	14.9317%	Chloride	317.00	mg/L	500	102,225	161,238.2
5535070	5/12/2006	39	61.6	0.97	59.82	951	14.9317%	Chloride	131.00	mg/L	500	42,244	161,238.2
5535070	2/1/2012	36	58.6	0.97	56.91	1029	16.1564%	Chloride	186.00	mg/L	500	57,058	153,382.3
5535070	5/9/2000	34	56.6	0.97	54.96	1090	17.1141%	Chloride	277.80	mg/L	500	82,309	148,145.0
5535070	2/14/1999	33	55.6	0.97	53.99	1114	17.4910%	Chloride	68.00	mg/L	500	19,792	145,526.4
5535070	2/15/1999	32	54.6	0.97	53.02	1152	18.0876%	Chloride	181.00	mg/L	500	51,733	142,907.7
5535070	3/26/2012	32	54.6	0.97	53.02	1152	18.0876%	Chloride	310.20	mg/L	500	88,660	142,907.7
5535070	2/17/2005	31	53.6	0.97	52.05	1198	18.8099%	Chloride	345.00	mg/L	500	96,799	140,289.1
5535070	2/26/2004	30	52.6	0.97	51.08	1249	19.6106%	Chloride	219.30	mg/L	500	60,382	137,670.4
5535070	9/26/2005	30	52.6	0.97	51.08	1249	19.6106%	Chloride	245.20	mg/L	500	67,514	137,670.4
5535070	1/21/1999	28	50.6	0.97	49.14	1332	20.9138%	Chloride	87.90	mg/L	500	23,282	132,433.1
5535070	2/15/2011	28	50.6	0.97	49.14	1332	20.9138%	Chloride	299.40	mg/L	500	79,301	132,433.1
5535070	2/14/2013	28	50.6	0.97	49.14	1332	20.9138%	Chloride	145.00	mg/L	500	38,406	132,433.1
5535070	12/12/2009	27	49.6	0.97	48.16	1388	21.7931%	Chloride	153.00	mg/L	500	39,723	129,814.5
5535070	3/3/2011	27	49.6	0.97	48.16	1388	21.7931%	Chloride	161.00	mg/L	500	41,800	129,814.5
5535070	8/11/2015	25	47.6	0.97	46.22	1489	23.3789%	Chloride	193.80	mg/L	500	48,286	124,577.2
5535070	3/17/2007	24	46.6	0.97	45.25	1557	24.4465%	Chloride	145.00	mg/L	500	35,368	121,958.6
5535070	1/18/2012	24	46.6	0.97	45.25	1557	24.4465%	Chloride	178.30	mg/L	500	43,490	121,958.6
5535070	12/28/2006	22	44.6	0.97	43.31	1693	26.5819%	Chloride	113.00	mg/L	500	26,379	116,721.3
5535070	7/10/2007	22	44.6	0.97	43.31	1693	26.5819%	Chloride	187.70	mg/L	500	43,817	116,721.3
5535070	3/4/2009	22	44.6	0.97	43.31	1693	26.5819%	Chloride	162.00	mg/L	500	37,818	116,721.3
5535070	9/7/2014	22	44.6	0.97	43.31	1693	26.5819%	Chloride	188.40	mg/L	500	43,981	116,721.3
5535070	5/9/2002	19	41.6	0.97	40.39	1950	30.6171%	Chloride	184.00	mg/L	500	40,062	108,865.4
5535070	6/8/2014	18	40.6	0.97	39.42	2045	32.1087%	Chloride	130.10	mg/L	500	27,645	106,246.7
5535070	12/7/1999	17	39.6	0.97	38.45	2162	33.9457%	Chloride	324.70	mg/L	500	67,296	103,628.1
5535070	4/6/2007	17	39.6	0.97	38.45	2162	33.9457%	Chloride	332.00	mg/L	500	68,809	103,628.1
5535070	4/23/2012	17	39.6	0.97	38.45	2162	33.9457%	Chloride	165.00	mg/L	500	34,197	103,628.1
5535070	5/18/2003	16	38.6	0.97	37.48	2290	35.9554%	Chloride	323.00	mg/L	500	65,252	101,009.4
5535070	6/17/2004	16	38.6	0.97	37.48	2290	35.9554%	Chloride	251.00	mg/L	500	50,707	101,009.4
5535070	10/12/2006	16	38.6	0.97	37.48	2290	35.9554%	Chloride	249.00	mg/L	500	50,303	101,009.4
5535070	6/21/2007	16	38.6	0.97	37.48	2290	35.9554%	Chloride	197.00	mg/L	500	39,798	101,009.4
5535070	5/6/2013	15	37.6	0.97	36.50	2429	38.1379%	Chloride	268.20	mg/L	500	52,777	98,390.8
5535070	5/29/2013	15	37.6	0.97	36.50	2429	38.1379%	Chloride	154.50	mg/L	500	30,403	98,390.8
5535070	3/30/2015	15	37.6	0.97	36.50	2429	38.1379%	Chloride	161.00	mg/L	500	31,682	98,390.8
5535070	8/4/2008	14	36.6	0.97	35.53	2581	40.5244%	Chloride	145.50	mg/L	500	27,870	95,772.1
5535070	6/30/2009	14	36.6	0.97	35.53	2581	40.5244%	Chloride	135.00	mg/L	500	25,858	95,772.1
5535070	11/30/2010	14	36.6	0.97	35.53	2581	40.5244%	Chloride	348.30	mg/L	500	66,715	95,772.1
5535070	6/26/2004	13	35.6	0.97	34.56	2736	42.9581%	Chloride	298.00	mg/L	500	55,519	93,153.5
5535070	11/30/2011	13	35.6	0.97	34.56	2736	42.9581%	Chloride	192.00	mg/L	500	35,771	93,153.5
5535070	3/6/2014	13	35.6	0.97	34.56	2736	42.9581%	Chloride	407.60	mg/L	500	75,939	93,153.5
5535070	5/8/2016	13	35.6	0.97	34.56	2736	42.9581%	Chloride	285.00	mg/L	500	53,097	93,153.5
5535070	3/2/2013	12	34.6	0.97	33.59	2900	45.5331%	Chloride	391.30	mg/L	500	70,853	90,534.9
5535070	5/18/2015	12	34.6	0.97	33.59	2900	45.5331%	Chloride	243.00	mg/L	500	44,000	90,534.9
5535070	8/6/2000	11	33.6	0.97	32.62	3073	48.2493%	Chloride	260.00	mg/L	500	45,716	87,916.2
5535070	2/7/2006	11	33.6	0.97	32.62	3073	48.2493%	Chloride	448.00	mg/L	500	78,773	87,916.2
5535070	1/8/2015	11	33.6	0.97	32.62	3073	48.2493%	Chloride	172.70	mg/L	500	30,366	87,916.2
5535070	1/23/2015	11	33.6	0.97	32.62	3073	48.2493%	Chloride	190.00	mg/L	500	33,408	87,916.2
5535070	7/2/2009	10	32.6	0.97	31.65	3282	51.5309%	Chloride	161.00	mg/L	500	27,466	85,297.6
5535070	5/12/2013	10	32.6	0.97	31.65	3282	51.5309%	Chloride	273.00	mg/L	500	46,572	85,297.6
5535070	2/18/2016	9.6	32.2	0.97	31.26	3442	54.0430%	Chloride	263.60	mg/L	500	44,417	84,250.1
5535070	3/18/2002	9.2	31.8	0.97	30.87	3523	55.3148%	Chloride	185.00	mg/L	500	30,785	83,202.7

Note: Workbook display in appendices trimmed to dates with instream concentration data

5535070	4/15/2016	9.1	31.7	0.97	30.77	3541	55.5974%	Chloride	135.00	mg/L	500	22,394	82,940.8
5535070	10/3/2001	8.8	31.4	0.97	30.48	3618	56.8064%	Chloride	356.90	mg/L	500	58,642	82,155.2
5535070	12/16/2012	8.6	31.2	0.97	30.29	3656	57.4030%	Chloride	178.00	mg/L	500	29,061	81,631.5
5535070	9/12/2010	8.2	30.8	0.97	29.90	3742	58.7533%	Chloride	398.90	mg/L	500	64,290	80,584.0
5535070	1/29/2014	8.1	30.7	0.97	29.80	3755	58.9575%	Chloride	112.90	mg/L	500	18,137	80,322.2
5535070	2/17/2007	8	30.6	0.97	29.70	3771	59.2087%	Chloride	391.20	mg/L	500	62,639	80,060.3
5535070	2/17/2016	7.9	30.5	0.97	29.61	3788	59.4756%	Chloride	202.10	mg/L	500	32,255	79,798.4
5535070	2/23/2006	7.4	30.0	0.97	29.12	3910	61.3911%	Chloride	487.70	mg/L	500	76,558	78,489.1
5535070	10/19/2007	7.4	30.0	0.97	29.12	3910	61.3911%	Chloride	197.00	mg/L	500	30,925	78,489.1
5535070	4/20/2002	7.3	29.9	0.97	29.02	3933	61.7522%	Chloride	293.00	mg/L	500	45,841	78,227.2
5535070	6/27/1999	7	29.6	0.97	28.73	3996	62.7414%	Chloride	141.40	mg/L	500	21,900	77,441.7
5535070	3/31/2006	6.8	29.4	0.97	28.54	4036	63.3694%	Chloride	498.30	mg/L	500	76,656	76,917.9
5535070	12/17/2013	6.6	29.2	0.97	28.34	4079	64.0446%	Chloride	193.40	mg/L	500	29,549	76,394.2
5535070	5/23/2016	6.6	29.2	0.97	28.34	4079	64.0446%	Chloride	143.90	mg/L	500	21,986	76,394.2
5535070	3/10/2001	6.5	29.1	0.97	28.25	4109	64.5156%	Chloride	72.00	mg/L	500	10,963	76,132.3
5535070	12/29/2012	6.2	28.8	0.97	27.96	4183	65.6775%	Chloride	170.00	mg/L	500	25,618	75,346.7
5535070	12/16/2013	6.2	28.8	0.97	27.96	4183	65.6775%	Chloride	271.20	mg/L	500	40,868	75,346.7
5535070	12/3/2014	5.8	28.4	0.97	27.57	4284	67.2633%	Chloride	210.00	mg/L	500	31,206	74,299.3
5535070	2/3/2007	5	27.6	0.97	26.79	4490	70.4977%	Chloride	241.40	mg/L	500	34,860	72,204.4
5535070	4/28/2006	4	26.6	0.97	25.82	4791	75.2237%	Chloride	319.00	mg/L	500	44,396	69,585.7
5535070	2/21/2015	3.9	26.5	0.97	25.72	4818	75.6477%	Chloride	509.00	mg/L	500	70,572	69,323.9
5535070	9/2/2001	3.5	26.1	0.97	25.33	4961	77.8929%	Chloride	318.00	mg/L	500	43,424	68,276.4
5535070	4/24/2003	3.4	26.0	0.97	25.23	5004	78.5681%	Chloride	137.30	mg/L	500	18,677	68,014.5
5535070	1/5/2004	3.3	25.9	0.97	25.14	5043	79.1804%	Chloride	677.00	mg/L	500	91,737	67,752.7
5535070	12/31/2002	3.2	25.8	0.97	25.04	5087	79.8713%	Chloride	612.00	mg/L	500	82,609	67,490.8
5535070	10/23/2013	3.2	25.8	0.97	25.04	5087	79.8713%	Chloride	327.30	mg/L	500	44,179	67,490.8
5535070	10/9/2010	2.7	25.3	0.97	24.55	5252	82.4619%	Chloride	390.60	mg/L	500	51,701	66,181.5
5535070	10/23/2000	2.5	25.1	0.97	24.36	5344	83.9064%	Chloride	357.00	mg/L	500	46,880	65,657.8
5535070	9/17/2004	2.5	25.1	0.97	24.36	5344	83.9064%	Chloride	151.80	mg/L	500	19,934	65,657.8
5535070	12/7/2014	2.5	25.1	0.97	24.36	5344	83.9064%	Chloride	211.80	mg/L	500	27,813	65,657.8
5535070	7/19/1999	2.3	24.9	0.97	24.17	5426	85.1939%	Chloride	205.70	mg/L	500	26,796	65,134.0
5535070	5/30/2005	2.3	24.9	0.97	24.17	5426	85.1939%	Chloride	213.10	mg/L	500	27,760	65,134.0
5535070	7/10/2006	2.3	24.9	0.97	24.17	5426	85.1939%	Chloride	188.00	mg/L	500	24,490	65,134.0
5535070	10/12/2012	2.3	24.9	0.97	24.17	5426	85.1939%	Chloride	179.00	mg/L	500	23,318	65,134.0
5535070	1/15/2004	2.2	24.8	0.97	24.07	5481	86.0575%	Chloride	79.00	mg/L	500	10,250	64,872.2
5535070	12/24/1999	2.1	24.7	0.97	23.97	5525	86.7483%	Chloride	114.90	mg/L	500	14,847	64,610.3
5535070	1/9/2004	2	24.6	0.97	23.87	5565	87.3764%	Chloride	141.00	mg/L	500	18,146	64,348.4
5535070	7/16/2001	1.9	24.5	0.97	23.78	5617	88.1928%	Chloride	147.00	mg/L	500	18,841	64,086.6
5535070	10/11/2004	1.9	24.5	0.97	23.78	5617	88.1928%	Chloride	288.00	mg/L	500	36,914	64,086.6
5535070	10/15/2005	1.9	24.5	0.97	23.78	5617	88.1928%	Chloride	151.40	mg/L	500	19,405	64,086.6
5535070	6/7/2005	1.7	24.3	0.97	23.58	5716	89.7472%	Chloride	164.90	mg/L	500	20,963	63,562.8
5535070	1/14/2003	1.6	24.2	0.97	23.49	5758	90.4067%	Chloride	421.00	mg/L	500	53,299	63,301.0
5535070	6/2/2005	1.5	24.1	0.97	23.39	5791	90.9248%	Chloride	438.00	mg/L	500	55,222	63,039.1
5535070	9/25/2003	1.4	24.0	0.97	23.29	5835	91.6156%	Chloride	412.00	mg/L	500	51,728	62,777.3
5535070	11/22/1999	1.3	23.9	0.97	23.19	5878	92.2908%	Chloride	56.50	mg/L	500	7,064	62,515.4
5535070	11/1/2007	1.2	23.8	0.97	23.10	5911	92.8089%	Chloride	254.00	mg/L	500	31,625	62,253.5
5535070	9/3/2003	1.1	23.7	0.97	23.00	5942	93.2957%	Chloride	136.00	mg/L	500	16,862	61,991.7
5535070	6/12/2012	0.94	23.5	0.97	22.84	6012	94.3947%	Chloride	130.00	mg/L	500	16,009	61,572.7
5535070	9/6/1999	0.86	23.4	0.97	22.77	6051	95.0071%	Chloride	55.00	mg/L	500	6,750	61,363.2
5535070	9/24/2005	0.76	23.3	0.97	22.67	6104	95.8392%	Chloride	157.60	mg/L	500	19,259	61,101.3
5535070	8/20/2004	0.71	23.3	0.97	22.62	6129	96.2317%	Chloride	81.00	mg/L	500	9,877	60,970.4
5535070	2/27/2003	0.58	23.2	0.97	22.49	6194	97.2523%	Chloride	311.20	mg/L	500	37,736	60,630.0
5535070	11/27/1999	0.53	23.1	0.97	22.45	6218	97.6291%	Chloride	214.00	mg/L	500	25,894	60,499.0
5535070	11/1/2012	0.28	22.9	0.97	22.20	6296	98.8538%	Chloride	155.80	mg/L	500	18,648	59,844.4
5535070	9/30/2004	0.22	22.8	0.97	22.15	6317	99.1835%	Chloride	237.00	mg/L	500	28,292	59,687.3
5535070	8/9/2002	0.16	22.7	0.97	22.09	6330	99.3877%	Chloride	675.00	mg/L	500	80,366	59,530.1

Note: Workbook display in appendices trimmed to dates with instream concentration data

Gage ID	Date	Discharge (CFS)	Gage Discharge (+Clavey SSD) (CFS)	Watershed Area Ratio	Calculated flow (CFS)	Rank	Flow Exceedance %	Parameter	Results	Units (mg or micro_gram	Limit/Standard	Actual Load (million colonies/day)	Allowable Load (million colonies/day)
5535070	6/9/2008	326	348.6	0.97	338.66	45	0.9229%	TSS	24000	CFU/100 mL	200	198,876,579	1,657,304.8
5535070	3/9/2009	321	343.6	0.97	333.80	46	0.9434%	TSS	370	CFU/100 mL	200	3,022,034	1,633,532.1
5535070	4/21/2013	117	139.6	0.97	135.60	249	5.1066%	TSS	30000	CFU/100 mL	200	99,540,933	663,606.2
5535070	7/11/2008	60	82.6	0.97	80.23	579	11.8745%	TSS	130	CFU/100 mL	200	255,188	392,597.5
5535070	12/10/2009	49	71.6	0.97	69.54	738	15.1354%	TSS	7100	CFU/100 mL	200	12,080,564	340,297.6
5535070	1/28/2013	46	68.6	0.97	66.62	788	16.1608%	TSS	46000	CFU/100 mL	200	74,987,813	326,034.0
5535070	4/28/2013	32	54.6	0.97	53.02	1152	23.6259%	TSS	860	CFU/100 mL	200	1,115,723	259,470.4
5535070	6/1/2011	31	53.6	0.97	52.05	1198	24.5693%	TSS	540	CFU/100 mL	200	687,733	254,715.9
5535070	5/13/1999	29	51.6	0.97	50.11	1281	26.2715%	TSS	2100	CFU/100 mL	200	2,574,671	245,206.8
5535070	4/1/2004	26	48.6	0.97	47.19	1438	29.4914%	TSS	270	CFU/100 mL	200	311,773	230,943.2
5535070	6/24/2004	26	48.6	0.97	47.19	1438	29.4914%	TSS	480	CFU/100 mL	200	554,264	230,943.2
5535070	8/18/2005	24	46.6	0.97	45.25	1557	31.9319%	TSS	400	CFU/100 mL	200	442,868	221,434.1
5535070	1/18/2005	21	43.6	0.97	42.33	1784	36.5874%	TSS	560	CFU/100 mL	200	580,077	207,170.5
5535070	3/24/2013	21	43.6	0.97	42.33	1784	36.5874%	TSS	21000	CFU/100 mL	200	21,752,902	207,170.5
5535070	12/31/2005	21	43.6	0.97	42.33	1784	36.5874%	TSS	9500	CFU/100 mL	200	9,840,599	207,170.5
5535070	5/29/2015	19	41.6	0.97	40.39	1950	39.9918%	TSS	3900	CFU/100 mL	200	3,854,398	197,661.4
5535070	6/6/2008	19	41.6	0.97	40.39	1950	39.9918%	TSS	2000	CFU/100 mL	200	1,976,614	197,661.4
5535070	6/14/2010	18	40.6	0.97	39.42	2045	41.9401%	TSS	320	CFU/100 mL	200	308,651	192,906.9
5535070	9/21/2008	18	40.6	0.97	39.42	2045	41.9401%	TSS	840	CFU/100 mL	200	810,209	192,906.9
5535070	9/8/2006	17	39.6	0.97	38.45	2162	44.3396%	TSS	510	CFU/100 mL	200	479,788	188,152.3
5535070	4/17/2000	14	36.6	0.97	35.53	2581	52.9327%	TSS	700	CFU/100 mL	200	608,611	173,888.7
5535070	4/2/2015	14	36.6	0.97	35.53	2581	52.9327%	TSS	5100	CFU/100 mL	200	4,434,163	173,888.7
5535070	6/3/2006	14	36.6	0.97	35.53	2581	52.9327%	TSS	310	CFU/100 mL	200	269,528	173,888.7
5535070	1/10/2009	13	35.6	0.97	34.56	2736	56.1116%	TSS	760	CFU/100 mL	200	642,710	169,134.2
5535070	12/2/2008	13	35.6	0.97	34.56	2736	56.1116%	TSS	310	CFU/100 mL	200	262,158	169,134.2
5535070	2/10/2015	12	34.6	0.97	33.59	2900	59.4750%	TSS	590	CFU/100 mL	200	484,920	164,379.6
5535070	10/13/2006	12	34.6	0.97	33.59	2900	59.4750%	TSS	10000	CFU/100 mL	200	8,218,982	164,379.6
5535070	2/8/2002	11	33.6	0.97	32.62	3073	63.0230%	TSS	9400	CFU/100 mL	200	7,502,380	159,625.1
5535070	5/3/2007	11	33.6	0.97	32.62	3073	63.0230%	TSS	460	CFU/100 mL	200	367,138	159,625.1
5535070	9/11/2012	8.4	31.0	0.97	30.09	3383	69.3806%	TSS	490	CFU/100 mL	200	360,795	147,263.3
5535070	5/22/2016	7.8	30.4	0.97	29.51	3439	70.5291%	TSS	190	CFU/100 mL	200	137,190	144,410.6
5535070	8/8/2009	7.8	30.4	0.97	29.51	3439	70.5291%	TSS	400	CFU/100 mL	200	288,821	144,410.6
5535070	8/18/2009	3.7	26.3	0.97	25.53	3949	80.9885%	TSS	240	CFU/100 mL	200	149,900	124,917.0
5535070	8/25/2005	3.4	26.0	0.97	25.23	4002	82.0755%	TSS	120	CFU/100 mL	200	74,094	123,490.6
5535070	10/23/2013	3.2	25.8	0.97	25.04	4039	82.8343%	TSS	12000	CFU/100 mL	200	7,352,382	122,539.7
5535070	6/10/2005	3.1	25.7	0.97	24.94	4055	83.1624%	TSS	200	CFU/100 mL	200	122,064	122,064.3
5535070	9/4/2001	2.8	25.4	0.97	24.65	4117	84.4340%	TSS	90000	CFU/100 mL	200	54,287,052	120,637.9
5535070	8/12/2009	2.1	24.7	0.97	23.97	4299	88.1665%	TSS	620	CFU/100 mL	200	363,660	117,309.7
5535070	10/8/2012	1.4	24.0	0.97	23.29	4477	91.8171%	TSS	60	CFU/100 mL	200	34,194	113,981.5
5535070	8/5/2002	1	23.6	0.97	22.90	4582	93.9705%	TSS	150	CFU/100 mL	200	84,060	112,079.7
5535070	6/11/2012	0.12	22.7	0.97	22.05	4849	99.4463%	TSS	510	CFU/100 mL	200	275,134	107,895.7
5535070	9/12/2011	0.09	22.7	0.97	22.02	4854	99.5488%	TSS	300	CFU/100 mL	200	161,630	107,753.1

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (lbs/day)	Allowable Load (lbs/day)
5535070	3/13/2006	419	419	1.43	622.1	20	0.3218%	Chloride	256.80	mg/L	500	861,171	1,676,734.9
5535070	6/9/2008	326	326	1.43	489.0	45	0.7241%	Chloride	141.00	mg/L	500	371,697	1,318,075.9
5535070	3/9/2009	321	321	1.43	481.9	46	0.7401%	Chloride	247.00	mg/L	500	641,604	1,298,793.2
5535070	5/12/2003	148	148	1.43	234.3	173	2.7836%	Chloride	191.90	mg/L	500	242,412	631,610.4
5535070	2/14/2005	138	138	1.43	220.0	193	3.1054%	Chloride	357.20	mg/L	500	423,671	593,044.9
5535070	8/8/2011	117	117	1.43	190.0	239	3.8455%	Chloride	85.00	mg/L	500	87,050	512,057.4
5535070	9/11/2006	96	96	1.43	159.9	310	4.9879%	Chloride	125.50	mg/L	500	108,199	431,069.9
5535070	5/14/2001	94	94	1.43	157.1	318	5.1167%	Chloride	190.00	mg/L	500	160,876	423,356.8
5535070	3/12/2007	92	92	1.43	154.2	326	5.2454%	Chloride	476.40	mg/L	500	396,025	415,643.7
5535070	5/13/2002	88	88	1.43	148.5	345	5.5511%	Chloride	161.80	mg/L	500	129,510	400,217.5
5535070	4/8/2002	68	68	1.43	119.9	472	7.5945%	Chloride	257.90	mg/L	500	166,648	323,086.5
5535070	2/9/2009	63	63	1.43	112.7	519	8.3508%	Chloride	418.00	mg/L	500	253,980	303,803.8
5535070	4/14/2008	60	60	1.43	108.4	555	8.9300%	Chloride	266.00	mg/L	500	155,469	292,234.1
5535070	6/8/2009	49	49	1.43	92.7	706	11.3596%	Chloride	147.00	mg/L	500	73,445	249,812.1
5535070	8/9/2010	46	46	1.43	88.4	752	12.0998%	Chloride	130.00	mg/L	500	61,943	238,242.5
5535070	6/14/2004	40	40	1.43	79.8	885	14.2397%	Chloride	131.60	mg/L	500	56,615	215,103.2
5535070	3/11/2002	38	38	1.43	76.9	931	14.9799%	Chloride	388.00	mg/L	500	160,935	207,390.1
5535070	3/8/2004	37	37	1.43	75.5	958	15.4143%	Chloride	347.00	mg/L	500	141,252	203,533.5
5535070	9/8/2008	32	32	1.43	68.4	1108	17.8278%	Chloride	109.00	mg/L	500	40,167	184,250.8
5535070	2/11/2002	31	31	1.43	66.9	1152	18.5358%	Chloride	196.00	mg/L	500	70,715	180,394.2
5535070	7/14/2008	31	31	1.43	66.9	1152	18.5358%	Chloride	150.00	mg/L	500	54,118	180,394.2
5535070	1/17/2012	29	29	1.43	64.1	1233	19.8391%	Chloride	312.00	mg/L	500	107,753	172,681.1
5535070	3/10/2008	26	26	1.43	59.8	1379	22.1883%	Chloride	480.00	mg/L	500	154,667	161,111.5
5535070	3/14/2011	26	26	1.43	59.8	1379	22.1883%	Chloride	374.00	mg/L	500	120,511	161,111.5
5535070	12/11/2006	25	25	1.43	58.3	1429	22.9928%	Chloride	158.90	mg/L	500	49,976	157,254.9
5535070	4/9/2001	24	24	1.43	56.9	1496	24.0708%	Chloride	303.00	mg/L	500	92,959	153,398.4
5535070	7/12/2004	24	24	1.43	56.9	1496	24.0708%	Chloride	128.40	mg/L	500	39,393	153,398.4
5535070	4/11/2011	24	24	1.43	56.9	1496	24.0708%	Chloride	288.00	mg/L	500	88,357	153,398.4
5535070	9/27/2001	22	22	1.43	54.1	1630	26.2269%	Chloride	77.00	mg/L	500	22,436	145,685.3
5535070	6/10/2002	22	22	1.43	54.1	1630	26.2269%	Chloride	95.10	mg/L	500	27,709	145,685.3
5535070	7/9/2007	22	22	1.43	54.1	1630	26.2269%	Chloride	214.50	mg/L	500	62,499	145,685.3
5535070	2/11/2008	22	22	1.43	54.1	1630	26.2269%	Chloride	727.70	mg/L	500	212,030	145,685.3
5535070	3/8/2010	21	21	1.43	52.6	1717	27.6267%	Chloride	483.00	mg/L	500	137,007	141,828.7
5535070	7/12/2010	21	21	1.43	52.6	1717	27.6267%	Chloride	153.00	mg/L	500	43,400	141,828.7
5535070	3/12/2012	21	21	1.43	52.6	1717	27.6267%	Chloride	274.00	mg/L	500	77,722	141,828.7
5535070	7/14/2003	20	20	1.43	51.2	1792	28.8335%	Chloride	135.90	mg/L	500	37,501	137,972.2
5535070	5/12/2008	19	19	1.43	49.8	1874	30.1529%	Chloride	254.00	mg/L	500	68,131	134,115.7
5535070	12/14/2009	19	19	1.43	49.8	1874	30.1529%	Chloride	210.00	mg/L	500	56,329	134,115.7
5535070	9/10/2001	18	18	1.43	48.3	1968	31.6653%	Chloride	119.00	mg/L	500	31,002	130,259.1
5535070	9/10/2007	18	18	1.43	48.3	1968	31.6653%	Chloride	124.60	mg/L	500	32,461	130,259.1
5535070	5/11/2009	18	18	1.43	48.3	1968	31.6653%	Chloride	203.00	mg/L	500	52,885	130,259.1
5535070	6/14/2010	18	18	1.43	48.3	1968	31.6653%	Chloride	177.00	mg/L	500	46,112	130,259.1
5535070	12/13/2010	18	18	1.43	48.3	1968	31.6653%	Chloride	198.00	mg/L	500	51,583	130,259.1
5535070	4/13/2009	17	17	1.43	46.9	2079	33.4513%	Chloride	266.00	mg/L	500	67,246	126,402.6
5535070	1/8/2007	16	16	1.43	45.5	2202	35.4304%	Chloride	159.80	mg/L	500	39,166	122,546.0
5535070	6/11/2007	16	16	1.43	45.5	2202	35.4304%	Chloride	270.10	mg/L	500	66,199	122,546.0
5535070	8/13/2007	16	16	1.43	45.5	2202	35.4304%	Chloride	123.60	mg/L	500	30,293	122,546.0
5535070	2/14/2011	16	16	1.43	45.5	2202	35.4304%	Chloride	397.00	mg/L	500	97,302	122,546.0
5535070	11/10/2003	15	15	1.43	44.0	2338	37.6187%	Chloride	140.70	mg/L	500	33,399	118,689.5
5535070	12/13/2004	15	15	1.43	44.0	2338	37.6187%	Chloride	208.60	mg/L	500	49,517	118,689.5
5535070	11/13/2006	15	15	1.43	44.0	2338	37.6187%	Chloride	123.10	mg/L	500	29,221	118,689.5
5535070	1/11/2010	15	15	1.43	44.0	2338	37.6187%	Chloride	310.00	mg/L	500	73,587	118,689.5

Note: Workbook display in appendices trimmed to dates with instream concentration data

5535070	3/12/2001	14	14	1.43	42.6	2484	39.9678%	Chloride	273.00	mg/L	500	62,699	114,832.9
5535070	4/14/2003	14	14	1.43	42.6	2484	39.9678%	Chloride	328.30	mg/L	500	75,399	114,832.9
5535070	11/14/2005	14	14	1.43	42.6	2484	39.9678%	Chloride	146.90	mg/L	500	33,738	114,832.9
5535070	1/14/2008	14	14	1.43	42.6	2484	39.9678%	Chloride	524.70	mg/L	500	120,506	114,832.9
5535070	4/12/2010	14	14	1.43	42.6	2484	39.9678%	Chloride	236.00	mg/L	500	54,201	114,832.9
5535070	11/14/2011	14	14	1.43	42.6	2484	39.9678%	Chloride	118.00	mg/L	500	27,101	114,832.9
5535070	7/9/2001	13	13	1.43	41.2	2634	42.3813%	Chloride	155.00	mg/L	500	34,403	110,976.4
5535070	5/10/2010	13	13	1.43	41.2	2634	42.3813%	Chloride	250.00	mg/L	500	55,488	110,976.4
5535070	5/9/2011	13	13	1.43	41.2	2634	42.3813%	Chloride	201.00	mg/L	500	44,612	110,976.4
5535070	11/13/2001	12	12	1.43	39.7	2795	44.9718%	Chloride	95.00	mg/L	500	20,353	107,119.8
5535070	4/10/2006	12	12	1.43	39.7	2795	44.9718%	Chloride	253.10	mg/L	500	54,224	107,119.8
5535070	4/9/2007	12	12	1.43	39.7	2795	44.9718%	Chloride	335.50	mg/L	500	71,877	107,119.8
5535070	11/9/2009	12	12	1.43	39.7	2795	44.9718%	Chloride	132.00	mg/L	500	28,280	107,119.8
5535070	4/9/2012	12	12	1.43	39.7	2795	44.9718%	Chloride	241.00	mg/L	500	51,632	107,119.8
5535070	6/11/2001	11	11	1.43	38.3	2963	47.6750%	Chloride	168.00	mg/L	500	34,696	103,263.3
5535070	6/9/2003	11	11	1.43	38.3	2963	47.6750%	Chloride	186.00	mg/L	500	38,414	103,263.3
5535070	6/13/2011	11	11	1.43	38.3	2963	47.6750%	Chloride	167.00	mg/L	500	34,490	103,263.3
5535070	5/14/2012	11	11	1.43	38.3	2963	47.6750%	Chloride	207.00	mg/L	500	42,751	103,263.3
5535070	3/14/2005	9.4	9.4	1.43	36.0	3358	54.0306%	Chloride	434.60	mg/L	500	84,393	97,092.8
5535070	10/9/2006	9.3	9.3	1.43	35.9	3372	54.2558%	Chloride	96.00	mg/L	500	18,568	96,707.1
5535070	1/12/2009	9	9	1.43	35.5	3445	55.4304%	Chloride	270.00	mg/L	500	51,597	95,550.2
5535070	6/12/2006	8.4	8.4	1.43	34.6	3577	57.5543%	Chloride	198.90	mg/L	500	37,089	93,236.2
5535070	10/13/2008	8.4	8.4	1.43	34.6	3577	57.5543%	Chloride	146.00	mg/L	500	27,225	93,236.2
5535070	2/8/2010	8.4	8.4	1.43	34.6	3577	57.5543%	Chloride	250.00	mg/L	500	46,618	93,236.2
5535070	2/14/2012	8.4	8.4	1.43	34.6	3577	57.5543%	Chloride	318.00	mg/L	500	59,298	93,236.2
5535070	7/13/2009	7.8	7.8	1.43	33.7	3688	59.3403%	Chloride	173.00	mg/L	500	31,459	90,922.3
5535070	10/12/2009	7.8	7.8	1.43	33.7	3688	59.3403%	Chloride	134.00	mg/L	500	24,367	90,922.3
5535070	10/8/2001	7	7	1.43	32.6	3861	62.1239%	Chloride	110.00	mg/L	500	19,324	87,837.1
5535070	12/8/2003	6.6	6.6	1.43	32.0	3943	63.4433%	Chloride	137.30	mg/L	500	23,696	86,294.5
5535070	5/10/2004	6.6	6.6	1.43	32.0	3943	63.4433%	Chloride	200.10	mg/L	500	34,535	86,294.5
5535070	6/13/2006	6.2	6.2	1.43	31.4	4042	65.0362%	Chloride	200.00	mg/L	500	33,901	84,751.8
5535070	1/10/2005	6.1	6.1	1.43	31.3	4068	65.4545%	Chloride	255.50	mg/L	500	43,111	84,366.2
5535070	8/18/2011	6	6	1.43	31.2	4088	65.7763%	Chloride	120.00	mg/L	500	20,155	83,980.5
5535070	5/14/2007	5.9	5.9	1.43	31.0	4117	66.2430%	Chloride	249.10	mg/L	500	41,647	83,594.9
5535070	1/14/2002	5.8	5.8	1.43	30.9	4138	66.5809%	Chloride	129.00	mg/L	500	21,468	83,209.2
5535070	6/13/2005	5.8	5.8	1.43	30.9	4138	66.5809%	Chloride	201.80	mg/L	500	33,583	83,209.2
5535070	12/8/2008	5.8	5.8	1.43	30.9	4138	66.5809%	Chloride	201.00	mg/L	500	33,450	83,209.2
5535070	4/12/2004	5.6	5.6	1.43	30.6	4195	67.4980%	Chloride	264.00	mg/L	500	43,527	82,437.9
5535070	1/9/2006	5.3	5.3	1.43	30.2	4269	68.6887%	Chloride	393.20	mg/L	500	63,919	81,280.9
5535070	8/13/2001	5.2	5.2	1.43	30.0	4292	69.0587%	Chloride	135.00	mg/L	500	21,842	80,895.3
5535070	12/12/2011	4.3	4.3	1.43	28.7	4546	73.1456%	Chloride	136.00	mg/L	500	21,059	77,424.4
5535070	12/10/2007	4.2	4.2	1.43	28.6	4571	73.5479%	Chloride	284.50	mg/L	500	43,835	77,038.7
5535070	11/8/2004	4.1	4.1	1.43	28.4	4605	74.0949%	Chloride	139.70	mg/L	500	21,417	76,653.1
5535070	11/10/2008	4.1	4.1	1.43	28.4	4605	74.0949%	Chloride	134.00	mg/L	500	20,543	76,653.1
5535070	9/20/2011	4	4	1.43	28.3	4638	74.6259%	Chloride	123.00	mg/L	500	18,762	76,267.4
5535070	12/12/2005	3.9	3.9	1.43	28.2	4665	75.0603%	Chloride	180.10	mg/L	500	27,333	75,881.8
5535070	12/10/2001	3.8	3.8	1.43	28.0	4698	75.5913%	Chloride	118.00	mg/L	500	17,817	75,496.1
5535070	9/13/2010	3.7	3.7	1.43	27.9	4738	76.2349%	Chloride	136.00	mg/L	500	20,430	75,110.5
5535070	11/12/2002	3.5	3.5	1.43	27.6	4808	77.3612%	Chloride	103.80	mg/L	500	15,433	74,339.2
5535070	9/14/2009	3.4	3.4	1.43	27.4	4850	78.0370%	Chloride	150.00	mg/L	500	22,186	73,953.5
5535070	9/9/2002	3.3	3.3	1.43	27.3	4889	78.6645%	Chloride	103.00	mg/L	500	15,155	73,567.8
5535070	8/11/2003	3.2	3.2	1.43	27.2	4933	79.3725%	Chloride	131.20	mg/L	500	19,203	73,182.2
5535070	10/10/2011	3.2	3.2	1.43	27.2	4933	79.3725%	Chloride	132.00	mg/L	500	19,320	73,182.2
5535070	7/16/2012	3.1	3.1	1.43	27.0	4967	79.9195%	Chloride	169.00	mg/L	500	24,605	72,796.5
5535070	4/11/2005	3	3	1.43	26.9	5010	80.6114%	Chloride	323.70	mg/L	500	46,879	72,410.9

Note: Workbook display in appendices trimmed to dates with instream concentration data

5535070	1/10/2011	3	3	1.43	26.9	5010	80.6114%	Chloride	269.00	mg/L	500	38,957	72,410.9
5535070	2/14/2006	2.8	2.8	1.43	26.6	5074	81.6412%	Chloride	354.90	mg/L	500	50,850	71,639.6
5535070	7/25/2006	2.8	2.8	1.43	26.6	5074	81.6412%	Chloride	74.00	mg/L	500	10,603	71,639.6
5535070	7/11/2011	2.8	2.8	1.43	26.6	5074	81.6412%	Chloride	172.00	mg/L	500	24,644	71,639.6
5535070	10/14/2002	2.7	2.7	1.43	26.4	5098	82.0274%	Chloride	110.40	mg/L	500	15,733	71,253.9
5535070	1/12/2004	2.6	2.6	1.43	26.3	5149	82.8479%	Chloride	175.20	mg/L	500	24,832	70,868.3
5535070	6/20/2011	2.6	2.6	1.43	26.3	5149	82.8479%	Chloride	166.00	mg/L	500	23,528	70,868.3
5535070	5/8/2006	2.4	2.4	1.43	26.0	5233	84.1995%	Chloride	222.30	mg/L	500	31,165	70,097.0
5535070	7/10/2006	2.3	2.3	1.43	25.9	5272	84.8270%	Chloride	160.20	mg/L	500	22,336	69,711.3
5535070	10/8/2007	2.3	2.3	1.43	25.9	5272	84.8270%	Chloride	149.10	mg/L	500	20,788	69,711.3
5535070	10/10/2005	2.2	2.2	1.43	25.7	5327	85.7120%	Chloride	217.40	mg/L	500	30,143	69,325.6
5535070	2/9/2004	2.1	2.1	1.43	25.6	5371	86.4200%	Chloride	407.70	mg/L	500	56,214	68,940.0
5535070	5/9/2005	2.1	2.1	1.43	25.6	5371	86.4200%	Chloride	217.30	mg/L	500	29,961	68,940.0
5535070	8/10/2009	2.1	2.1	1.43	25.6	5371	86.4200%	Chloride	140.00	mg/L	500	19,303	68,940.0
5535070	12/9/2002	2	2	1.43	25.4	5411	87.0636%	Chloride	176.60	mg/L	500	24,213	68,554.3
5535070	8/1/2001	1.9	1.9	1.43	25.3	5463	87.9002%	Chloride	121.00	mg/L	500	16,497	68,168.7
5535070	3/10/2003	1.9	1.9	1.43	25.3	5463	87.9002%	Chloride	218.70	mg/L	500	29,817	68,168.7
5535070	10/11/2004	1.9	1.9	1.43	25.3	5463	87.9002%	Chloride	113.20	mg/L	500	15,433	68,168.7
5535070	1/13/2003	1.8	1.8	1.43	25.1	5508	88.6243%	Chloride	194.00	mg/L	500	26,300	67,783.0
5535070	8/9/2004	1.7	1.7	1.43	25.0	5562	89.4932%	Chloride	129.20	mg/L	500	17,415	67,397.4
5535070	8/14/2006	1.5	1.5	1.43	24.7	5637	90.6999%	Chloride	138.60	mg/L	500	18,469	66,626.1
5535070	11/13/2007	1.5	1.5	1.43	24.7	5637	90.6999%	Chloride	119.70	mg/L	500	15,950	66,626.1
5535070	10/13/2003	1.4	1.4	1.43	24.6	5681	91.4079%	Chloride	136.40	mg/L	500	18,070	66,240.4
5535070	10/11/2010	1.4	1.4	1.43	24.6	5681	91.4079%	Chloride	145.00	mg/L	500	19,210	66,240.4
5535070	7/11/2005	1.3	1.3	1.43	24.4	5724	92.0998%	Chloride	224.30	mg/L	500	29,542	65,854.8
5535070	11/8/2010	1.2	1.2	1.43	24.3	5757	92.6307%	Chloride	133.00	mg/L	500	17,415	65,469.1
5535070	8/11/2008	1	1	1.43	24.0	5820	93.6444%	Chloride	161.00	mg/L	500	20,833	64,697.8
5535070	7/8/2002	0.84	0.84	1.43	23.8	5912	95.1247%	Chloride	118.90	mg/L	500	15,238	64,080.7
5535070	2/10/2003	0.71	0.71	1.43	23.6	5975	96.1384%	Chloride	200.30	mg/L	500	25,470	63,579.4
5535070	9/13/2004	0.43	0.43	1.43	23.2	6101	98.1657%	Chloride	113.80	mg/L	500	14,225	62,499.6
5535070	8/8/2005	0.43	0.43	1.43	23.2	6101	98.1657%	Chloride	155.10	mg/L	500	19,387	62,499.6
5535070	9/12/2005	0.23	0.23	1.43	22.9	6158	99.0829%	Chloride	112.50	mg/L	500	13,889	61,728.2
5535070	9/8/2003	0.16	0.16	1.43	22.8	6176	99.3725%	Chloride	121.50	mg/L	500	14,934	61,458.3
5535070	6/11/2012	0.12	0.12	1.43	22.7	6184	99.5012%	Chloride	180.00	mg/L	500	22,069	61,304.0
5535070	9/12/2011	0.09	0.09	1.43	22.7	6189	99.5817%	Chloride	147.00	mg/L	500	17,989	61,188.3
5535070	8/12/2002	0.02	0.02	1.43	22.6	6199	99.7426%	Chloride	99.30	mg/L	500	12,098	60,918.4

Note: Workbook display in appendices trimmed to dates with instream concentration data

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 (million colonies/day)	Allowable Load (million colonies/day)
5535070	6/9/2008	326	326	1.43	493.9976	29	2.1450%	Fecal	6200	CFU/100 mL	200	74,941,699	2,417,474.2
5535070	8/8/2011	117	117	1.43	194.9501	125	9.2456%	Fecal	450	CFU/100 mL	200	2,146,559	954,026.3
5535070	6/8/2009	49	49	1.43	97.6523	325	24.0385%	Fecal	7500	CFU/100 mL	200	17,920,524	477,880.7
5535070	8/9/2010	46	46	1.43	93.3597	344	25.4438%	Fecal	2400	CFU/100 mL	200	5,482,491	456,874.2
5535070	9/8/2008	32	32	1.43	73.3279	514	38.0178%	Fecal	240	CFU/100 mL	200	430,613	358,844.2
5535070	7/14/2008	31	31	1.43	71.8970	527	38.9793%	Fecal	140	CFU/100 mL	200	246,289	351,842.1
5535070	7/12/2010	21	21	1.43	57.5885	792	58.5799%	Fecal	2000	CFU/100 mL	200	2,818,207	281,820.7
5535070	5/12/2008	19	19	1.43	54.7268	859	63.5355%	Fecal	110	CFU/100 mL	200	147,299	267,816.4
5535070	6/14/2010	18	18	1.43	53.2960	903	66.7899%	Fecal	180	CFU/100 mL	200	234,733	260,814.2
5535070	5/11/2009	18	18	1.43	53.2960	903	66.7899%	Fecal	140	CFU/100 mL	200	182,570	260,814.2
5535070	5/10/2010	13	13	1.43	46.1417	1208	89.3491%	Fecal	30	CFU/100 mL	200	33,871	225,803.5
5535070	5/9/2011	13	13	1.43	46.1417	1208	89.3491%	Fecal	20	CFU/100 mL	200	22,580	225,803.5
5535070	6/13/2011	11	11	1.43	43.2800	1352	100.0000%	Fecal	50	CFU/100 mL	200	52,950	211,799.2
5535070	5/14/2012	11	11	1.43	43.2800	1352	100.0000%	Fecal	20	CFU/100 mL	200	21,180	211,799.2

Note: Workbook display in appendices trimmed to dates with instream concentration data

Appendix G

Phosphorus Export Coefficients by Land Use Category

	Total Phosphorus Export Coefficients		
Land Use	Low (lb/ac/yr)	Median (lb/ac/yr)	High (lb/ac/yr)
Barren Land	0.16	0.16	0.16
Cultivated Crops	0.66	0.92	0.94
Deciduous Forest	0.08	0.105	0.13
Developed, High Intensity	0.7	1.96	4.77
Developed, Low Intensity	0.04	0.465	1.43
Developed, Medium Intensity	0.46	1.38	4.77
Developed, Open Space	0.03	0.04	0.16
Emergent Herbaceuous Wetlands	0.22	0.22	0.22
Evergreen Forest	0.08	0.105	0.13
Herbaceuous	0.5	0.5	0.5
Mixed Forest	0.08	0.105	0.13
Open Water	0	0	0
Hay/Pasture	0.5	0.5	0.5
Shrub/Scrub	0.08	0.105	0.13
Woody Wetlands	0.22	0.22	0.22

Appendix H

SLAM Model Files

Land Use	Area (acres)	Percentage (%)
Barren Land	2	0.02
Cultivated Crops	142	0.98
Deciduous Forest	1,032	7.14
Developed, High Intensity	1,018	7.05
Developed, Low Intensity	4,457	30.85
Developed, Medium Intensity	2,191	15.17
Developed, Open Space	4,219	29.21
Emergent Herbaceous Wetlands	29	0.20
Evergreen Forest	1	0.01
Herbaceous	80	0.55
Mixed Forest	19	0.13
Open Water	331	2.29
Hay/Pasture	--	--
Shrub/Scrub	5	0.03
Woody Wetlands	919	6.36

Lake Hydraulics:

	Prescribed	Calculated
Hydraulics	X	

Length	NA
Width	NA

Segment	Depth (ft.)	Acres	Acre-feet
RHJ-3	5.0	162.9	814
RHJ-2	6.0	41.6	250
RHJ-1	9.0	43.0	387

Lake	Segment	Zone	Downstream Zone	Surface Area (%)	Mixing Length (ft.)	Interface Width (ft.)	Surface Area (acres)	Surface Area (m^2)
Skokie Lagoons	**RHJ_3**	3	2	66%	7400	300	162.85	659,024
	RHJ_2	2	1	17%	5580	400	41.6	168,493
	RHJ_1	1	None	17%	None	NA	43	173,892

Calculating Daily Load	
Annual P load (lbs/year)	**Daily average P load (lbs/day)**
7841.86	21.48
Number of Days in POR	
6096	

Zone	**Flows move from:**
3	**RHJ_3**
	to
2	**RHJ_2**
1	**RHJ_1**

fp P	
Lake fp P	**Inflow fp P**
0.588	0.354

Initial P Concentration
0.16

Catchment Area Calculations		
Name	**Catchment area (mi^2)**	**Ratio**
5535070	21.1	1
RTJ	22.57	1.070

Lake Zone Loading Factors		
Zone	**% P Load**	**% N Load**
RTJ_3	98.43%	98.43%
RTJ_2	1%	1%
RTJ_1	1%	1%

		Total Phosphorus Export Coefficients			Phosphorus Loads			
Land Use	Area (acres)	Low (lb/ac/yr)	Median (lb/ac/yr)	High (lb/ac/yr)	Low (lbs/yr)	Median (lbs/yr)	High (lbs/yr)	Proportion of whole
Barren Land	2	0.16	0.16	0.16	0.4	0.4	0.4	5E-05
Cultivated Crops	142	0.66	0.92	0.94	93.6	130.5	133.4	2E-02
Deciduous Forest	1,032	0.08	0.105	0.13	82.6	108.4	134.1	2E-02
Developed, High Intensity	1,018	0.7	1.96	4.77	712.5	1995	4855	6E-01
Developed, Low Intensity	4,457	0.04	0.47	1.43	178.3	2072	6373	8E-01
Developed, Medium Intensity	2,191	0.46	1.38	4.77	1008.1	3024	10453	1E+00
Developed, Open Space	4,219	0.03	0.04	0.16	126.6	169	675	9E-02
Emergent Herbaceous Wetlands	29	0.22	0.22	0.22	6.5	6.5	6.5	8E-04
Evergreen Forest	1	0.08	0.105	0.13	0.1	0.1	0.1	2E-05
Herbaceous	80	0.5	0.5	0.5	40.0	40.0	40.0	5E-03
Mixed Forest	19	0.08	0.105	0.13	1.5	2.0	2.5	3E-04
Open Water	331	0	0	0	0.0	0.0	0.0	0E+00
Hay/Pasture	--	0.5	0.5	0.5	--	--	--	--
Shrub/Scrub	5	0.08	0.105	0.13	0.4	0.5	0.6	8E-05
Woody Wetlands	919	0.22	0.22	0.22	202.2	202.2	202.2	3E-02

NPDES Permits:

NPDES ID	Facility Name	Latitude	Longitude	DAF (mgd)	DAF (cfs)
IL0068951	CENTRAL LAKE COUNTY JAWA	42.283056	-87.866389	0.061	0.09438049

MS4 Areas:

Segment	**Subbasin Area (acres)**	**Municipal MS4 Area (acres)**	***Percent Subbasin as MS4 Area***
RHJ-1	97	27	27.8%
RHJ-2	129	76	58.8%
RHJ-3	14219	13419	94.4%
Lake Total	14219	13419	94.4%

Lake Sedimentation Parameters

Calibration Run

Zone 1 RHJ-1

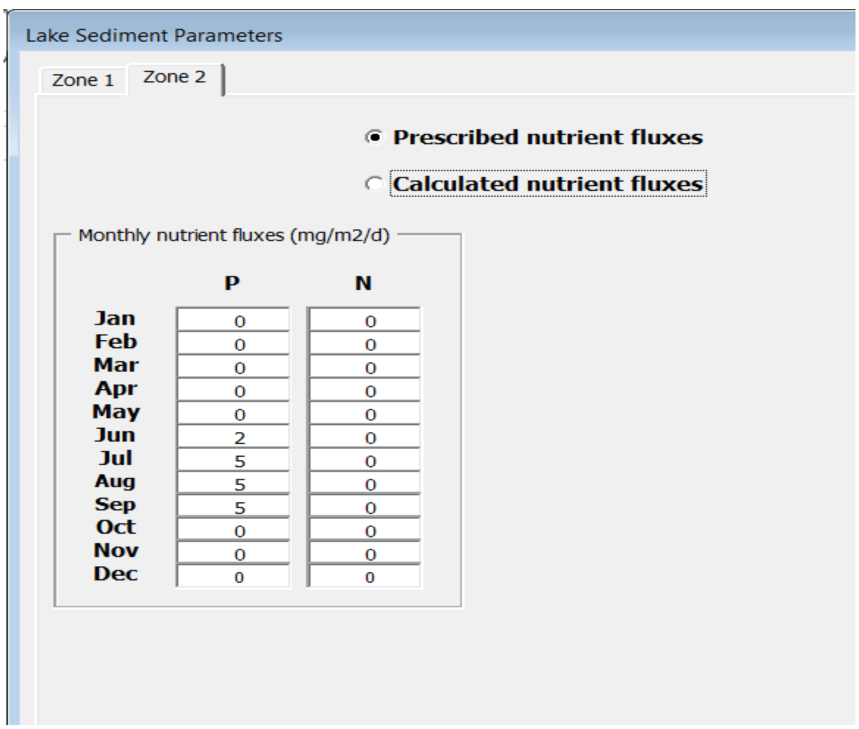
Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	5	0	1.92	31	59.4
Jun	5	0	1.92	30	57.5
Jul	5	0	1.92	31	59.4
Aug	5	0	1.92	31	59.4
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**235.8**

Zone 2 RHJ-2

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	2	0	0.74	31	23.0
Jun	2	0	0.74	30	22.3
Jul	2	0	0.74	31	23.0
Aug	2	0	0.74	31	23.0
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**91.4**

Zone 3 RHJ-3

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	10	0	14.53	31	450.4
Jun	20	0	29.06	30	871.7
Jul	20	0	29.06	31	900.8
Aug	20	0	29.06	31	900.8
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**3123.7**



Calibration Results:

Source	Segment	Predicted	Observed	Percent Difference
Zone 1	**RHJ-1**	0.156	0.158	-1.4%
Zone 2	**RHJ-2**	0.165	0.169	-2.2%
Zone 3	**RHJ-3**	0.193	0.259	-25.6%

	Actual Load (lbs/yr)			Allowable Load (lbs/yr)			Percent Reduction		
Segment	**Internal**	**Watershed**	**Point Sources**	**Internal**	**Watershed**	**Point Sources**	**Internal**	**Watershed**	**Point Sources**
RHJ-1	235.8	27.5	0	113.2	27.5	0.0	52%	0%	0%
RHJ-2	91.4	34.7	0	91.4	34.7	0.0	0%	0%	0%
RHJ-3	3123.7	7779.7	0	374.8	933.6	0.0	88%	88%	0%
Total	**3450.9**	**7841.9**	**0**	**579.4**	**995.8**	**0.0**	**83%**	**87%**	**0%**

TMDL Summary for the Skokie Lagoons (RHJ)

Zone	Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (%)
Zone 1	RHJ-1	Internal	0.31	-	0.28	0.03	0.65	52%
		External	0.08	0.06	0.00	0.01	0.08	0%
		Total	0.39	0.06	0.28	0.04	0.72	47%
Zone 2	RHJ-2	Internal	0.25	-	0.23	0.03	0.25	0%
		External	0.10	0.05	0.04	0.01	0.10	0%
		Total	0.35	0.05	0.26	0.03	0.35	0%
Zone 3	RHJ-3	Internal	1.03	-	0.92	0.10	8.56	88%
		External	2.56	0.64	1.66	0.26	21.31	88%
		Total	3.58	0.64	2.59	0.36	29.87	88%
Lake Total		Internal	1.59	-	1.43	0.16	9.45	83%
		External	2.73	0.75	1.70	0.27	21.48	87%
		Total	4.32	0.75	3.13	0.43	30.94	86%

Land Cover Category	Area (acres)	Percentage (%)
Barren Land	--	--
Cultivated Crops	--	--
Deciduous Forest	33	9.18
Developed, High Intensity	7	2.00
Developed, Low Intensity	194	54.47
Developed, Medium Intensity	32	9.06
Developed, Open Space	32	8.87
Emergent Herbaceous Wetlands	--	--
Evergreen Forest	1	0.37
Herbaceous	10	2.87
Mixed Forest	1	0.31
Open Water	45	12.55
Hay/Pasture	--	--
Shrub/Scrub	--	--
Woody Wetlands	1	0.31

Lake Hydraulics:

	Prescribed	Calculated
Hydraulics	X	

Length	NA
Width	NA

Segment	Depth (ft)	Acres	Acre-feet
RHJA-1	6.3	4.5	28.4
RHJA-2	8.4	10.6	89.0
RHJA-3	6.4	44.6	285.4

Lake	Segment	Zone	Downstream Zone	Surface area (%)	Mixing length (ft.)	Interface Width (ft.)	Surface area (acres)	Surface area (m^2)
Chicago Botanic Garden Lake	**RHJA-1**	1	None	7.5	NA	NA	4.5	18211
	RHJA-2	2	1	17.8	1500	60	10.6	42897
	RHJA-3	3	2	74.7	1400	212	44.6	180490

Calculating Daily Load	
Annual P load (lbs/year)	**Daily average P load (lbs/day)**
181.19	0.50
Number of Days in POR	7191
Pounds of TP in POR	3,569.72

fp P	
Lake fp P	**Inflow fp P**
0.716	0.54

Initial P Concentration
0.047

Catchment Area Calculations		
Name	**Catchment area (mi^2)**	**Ratio**
5535070	21.1	1
RHJA-1	0.56	0.026

Lake Zone Loading Factors		
Zone	**% P Load**	**% N Load**
RHJA-1	6.5%	7%
RHJA-2	7.2%	7%
RHJA-3	86.3%	86%

Zone	Flows move from:
3	**RHJA-3**
	to
2	**RHJA-2**
	to
1	**RHJA-1**

		Total Phosphorus Export Coefficients			Phosphorus Loads			
Land Use	Area (acres)	Low (lb/ac/yr)	Median (lb/ac/yr)	High (lb/ac/yr)	Low (lbs/yr)	Median (lbs/yr)	High (lbs/yr)	Proportion of whole
Barren Land	--	0.16	0.16	0.16	--	--	--	--
Cultivated Crops	--	0.66	0.92	0.94	--	--	--	--
Deciduous Forest	33	0.08	0.105	0.13	2.6	3.4	4.2	0.0309
Developed, High Intensity	7	0.7	1.96	4.77	5.0	13.9	33.9	0.2471
Developed, Low Intensity	194	0.04	0.47	1.43	7.8	90.2	277.3	2.0187
Developed, Medium Intensity	32	0.46	1.38	4.77	14.8	44.5	153.8	1.1197
Developed, Open Space	32	0.03	0.04	0.16	0.9	1.3	5.1	0.0368
Emergent Herbaceous Wetlands	--	0.22	0.22	0.22	--	--	--	--
Evergreen Forest	1	0.08	0.105	0.13	0.1	0.1	0.2	0.0013
Herbaceous	10	0.5	0.5	0.5	5.1	5.1	5.1	0.0372
Mixed Forest	1	0.08	0.105	0.13	0.1	0.1	0.1	0.0011
Open Water	45	0	0	0	0.0	0.0	0.0	0.0000
Hay/Pasture	--	0.5	0.5	0.5	--	--	--	--
Shrub/Scrub	--	0.08	0.105	0.13	--	--	--	--
Woody Wetlands	1	0.22	0.22	0.22	0.2	0.2	0.2	0.0018
Total	**356**				**36.7**	**158.9**	**480.1**	

NPDES Permits:

NPDES ID	Facility Name	Latitude	Longitude	DAF (mgd)	DAF (cfs)
IL0068951	CENTRAL LAKE COUNTY JAWA	42.283056	-87.866389	0.061	0.09438049

MS4 Areas:

Segment	**Subbasin Area (acres)**	**Municipal MS4 Area (acres)**	***Percent Subbasin as MS4 Area***
RHJA-1	21.0	0.0	0.0%
RHJA-2	25.8	0.2	1.0%
RHJA-3	308.3	137.1	44.5%
Lake Total	355.0	137.3	38.7%

Lake Sedimentation Parameters

Calibration Run

Zone 1 RHJA-1

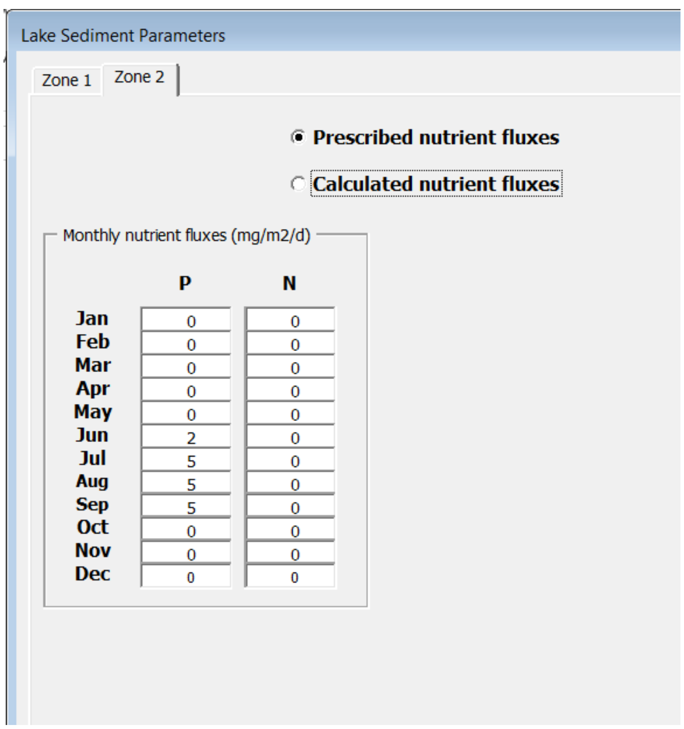
Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	3.5	0	0.14	31	4.4
Jun	3.5	0	0.14	30	4.2
Jul	3.75	0	0.15	31	4.7
Aug	3.75	0	0.15	31	4.7
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**17.9**

Zone 2 RHJA-2

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	0.7	0	0.07	31	2.1
Jun	1	0	0.09	30	2.8
Jul	1	0	0.09	31	2.9
Aug	1	0	0.09	31	2.9
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**10.8**

Zone 3 RHJA-3

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	0	0	0.00	31	0.0
Jun	2	0	0.80	30	23.9
Jul	3.1	0	1.23	31	38.2
Aug	3.1	0	1.23	31	38.2
Sep	0	0	0.00	30	0.0
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**100.4**



Calibration Results:

Source	Predicted	Observed	Percent Difference
Zone 1	0.037	0.039	-4.4%
Zone 2	0.028	0.028	1.7%
Zone 3	0.045	0.046	-2.4%

	Actual Load (lbs/yr)				Allowable Load (lbs/yr)				Percent Reduction			
Segment	Internal	Watershed	Waterfowl	Point Sources	Internal	Watershed	Waterfowl	Point Sources	Internal	Watershed	Waterfowl	Point Sources
RHJA-1	17.9	10.4	7.3	0	11.1	9.3	7.3	0.0	38%	10%	0%	0%
RHJA-2	10.8	11.4	7.3	0	10.8	11.4	7.3	0.0	0%	0%	0%	0%
RHJA-3	100.4	137.4	7.3	0	60.2	52.2	7.3	0.0	40%	62%	0%	0%
Total	**129.0**	**159.1**	**22.0**	**0**	**82.1**	**72.9**	**22.0**	**0.0**	**36%**	**54%**	**0%**	**0%**

TMDL Summary for Chicago Botanic Garden Lake (RHJA)

Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (%)
RHJA-1	Internal	0.030	-	0.027	0.003	0.049	0.380
	External	0.046	-	0.041	0.005	0.048	0.058
	Total	0.076	-	0.068	0.008	0.098	0.220
RHJA-2	Internal	0.029	-	0.027	0.003	0.029	-
	External	0.051	0.0004	0.046	0.005	0.051	-
	Total	0.081	0.0004	0.072	0.008	0.081	-
RHJA-3	Internal	0.165	-	0.148	0.016	0.275	0.400
	External	0.163	0.065	0.082	0.016	0.396	0.589
	Total	0.328	0.065	0.230	0.033	0.671	0.511
Lake Total	Internal	0.225	-	0.202	0.022	0.353	0.364
	External	0.260	0.066	0.168	0.026	0.496	0.476
	Total	0.485	0.066	0.371	0.049	0.850	0.429

Land Cover Category	Area (acres)	Percentage (%)
Deciduous Forest	1	0.505051
Developed, High Intensity	27	10.26936
Developed, Low Intensity	74	27.94613
Developed, Medium Intensity	67	25.42088
Developed, Open Space	51	19.36027
Open Water	24	9.090909
Mixed Forest	10	3.619529
Herbaceous	3	1.262626
Woody Wetlands	7	2.525253

Lake Hydraulics:

	Prescribed	Calculated
Hydraulics	X	

Length	1400
Width	55

Segment	Depth (ft.)	Acres	Acre-feet
UHH-1	6.3	11.93	67.07
UHH-2	8.4	7.37	41.43

Lake	Segment	Zone	Downstream Zone	Surface area (%)	Mixing length (ft)	Interface Width (ft)	Surface area (acres)
Eagle Lake	UHH-1	1	None	62%	1400	75	11.93
	UHH-2	2	1	38%	1400	75	7.37

Calculating Daily Load	
Annual P load (lbs/year)	**Daily average P load (lbs/day)**
313.20	0.86
Number of Days in POR	6050
Pounds of TP in POR	5,191.40

Zone	Flows move from:
2	UHH-2
	to
1	UHH-1

Catchment Area Calculations		
Name	**Catchment area (mi^2)**	**Ratio**
5535000	13	1
UHH-1 (both ponds)	0.41	0.030
UHH-2	0.31	0.020

Lake Zone Loading Factors		
Zone	**% P Load**	**% N Load**
UHH-1	13%	13%
UHH-2	87%	87%

		Total Phosphorus Export Coefficients			Phosphorus Loads		
Land Use	Area (acres)	Low (lb/ac/yr)	Median (lb/ac/yr)	High (lb/ac/yr)	Low (lbs/yr)	Median (lbs/yr)	High (lbs/yr)
Deciduous Forest	1	0.08	0.105	0.13	0.1	0.1	0.2
Developed, High Intensity	27	0.70	1.960	4.77	19.0	74.2	129.4
Developed, Low Intensity	74	0.04	0.465	1.43	3.0	54.3	105.6
Developed, Medium Intensity	67	0.46	1.380	4.77	30.9	175.6	320.4
Developed, Open Space	51	0.03	0.040	0.16	1.5	4.9	8.2
Open Water	24	0	0.000	0	0.0	0.0	0.0
Mixed Forest	10	0.08	0.105	0.13	0.8	1.0	1.2
Herbaceous	3	0.5	0.500	0.5	1.7	1.7	1.7
Woody Wetlands	7	0.22	0.220	0.22	1.5	1.5	1.5
TOTAL	**264**				**58**	**313**	**568**

MS4 Areas:

Segment	Subbasin Area (acres)	Municipal MS4 Area (acres)	*Percent Subbasin as MS4 Area*
UHH-1	62.3	62.2	100.0%
UHH-2	192.9	191.3	99.2%
Lake Total	255.2	253.6	99.4%

Lake Sedimentation Parameters

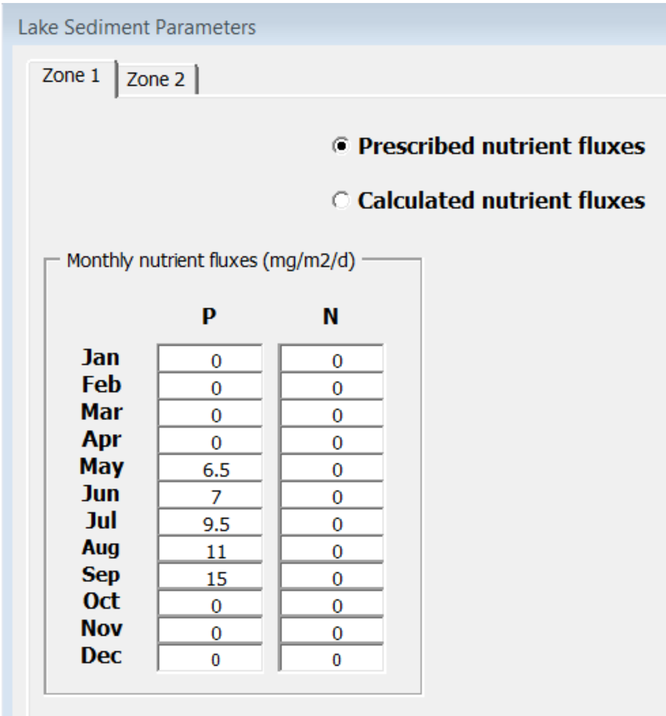
Calibration Run

Zone 1

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	6.5	0	0.69	31	21.5
Jun	7	0	0.75	30	22.4
Jul	9.5	0	1.01	31	31.4
Aug	11	0	1.17	31	36.3
Sep	15	0	1.60	30	47.9
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**159.4**

Zone 2

Month	P (mg/m2/d)	N (mg/m2/d)	P load (lbs/day)	Days	P load (lbs/month)
Jan	0	0	0.00	31	0.0
Feb	0	0	0.00	28	0.0
Mar	0	0	0.00	31	0.0
Apr	0	0	0.00	30	0.0
May	0	0	0.00	31	0.0
Jun	2	0	0.13	30	3.9
Jul	5	0	0.33	31	10.2
Aug	5	0	0.33	31	10.2
Sep	5	0	0.33	30	9.9
Oct	0	0	0.00	31	0.0
Nov	0	0	0.00	30	0.0
Dec	0	0	0.00	31	0.0
			Annual TP load (lbs)		**34.2**


Lake Sediment Parameters

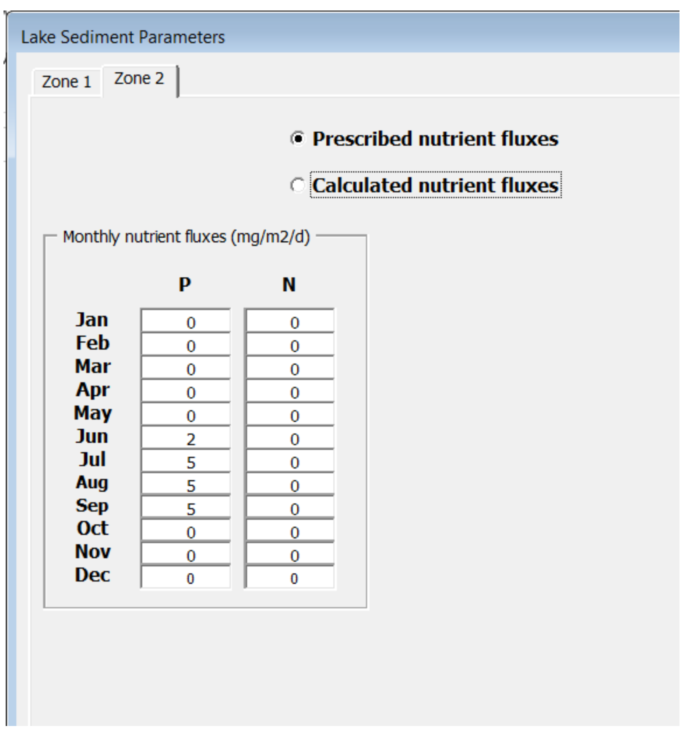
Zone 1 | Zone 2

(•) Prescribed nutrient fluxes

( ) Calculated nutrient fluxes

Monthly nutrient fluxes (mg/m2/d)

	P	N
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	6.5	0
Jun	7	0
Jul	9.5	0
Aug	11	0
Sep	15	0
Oct	0	0
Nov	0	0
Dec	0	0


Lake Sediment Parameters

Zone 1 | Zone 2

(•) Prescribed nutrient fluxes

( ) Calculated nutrient fluxes

Monthly nutrient fluxes (mg/m2/d)

	P	N
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	2	0
Jul	5	0
Aug	5	0
Sep	5	0
Oct	0	0
Nov	0	0
Dec	0	0

Calibration Results:

Source	Predicted	Observed	Percent Difference
UHH-1	0.09	0.095	3%
UHH-2	0.092	0.077	-17%

	Actual Load (lbs/yr)				Allowable Load (lbs/yr)				Percent Reduction			
Month	**Internal**	**Watershed**	**Waterfowl**	**Point Sources**	**Internal**	**Watershed**	**Waterfowl**	**Point Sources**	**Internal**	**Watershed**	**Waterfowl**	**Point Sources**
UHH-1	159.4	39.7	0.0	0	81.3	15.9	0.0	0.0	49%	60%	0%	0%
UHH-2	34.2	273.5	0.0	0	20.5	87.5	0.0	0.0	40%	68%	0%	0%
Total	**193.6**	**313.2**	**0.0**	**0**	**101.8**	**103.4**	**0.0**	**0.0**	**47%**	**67%**	**0%**	**0%**

TMDL Summary for Eagle Lake (UHH)

Segment	Loading Source	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (Percent)
UHH-1	Internal	0.223	-	0.200	0.022	0.437	49%
	External	0.044	0.039	0.00001	0.004	0.109	60%
	Total	0.266	0.039	0.200	0.027	0.545	51%
UHH-2	Internal	0.056	-	0.051	0.006	0.094	40%
	External	0.240	0.214	0.002	0.024	0.749	68%
	Total	0.296	0.214	0.052	0.030	0.843	65%
Lake Total	Internal	0.279	-	0.251	0.028	0.530	47%
	External	0.283	0.253	0.002	0.028	0.858	67%
	Total	0.562	0.253	0.253	0.056	1.389	60%

Appendix I

Public Participation\Public Comments & Responsiveness Summary

Appendix - I

Responsiveness Summary

North Branch Chicago River Watershed

Total Maximum Daily Load

The responsiveness summary responds to questions and comments received during the public comment period from October 10, 2018, through November 10, 2018.

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. The North Branch Chicago River Watershed TMDL report contains a plan detailing the actions necessary to reduce pollutant loads to the impaired water bodies and ensure compliance with applicable water quality standards. The Illinois EPA implements the TMDL program in accordance with Section 303(d) of the federal Clean Water Act and regulations thereunder.

Background

The watershed targeted for TMDL development is the **North Branch Chicago River Watershed** located in northeastern Illinois. The portion of the watershed in Illinois, which this TMDL addresses, covers nearly 135 square miles and includes lands within Cook and Lake Counties.

The Clean Water Act and USEPA regulations require that states develop TMDLs for waters on the Section 303(d) List. Illinois EPA is currently developing TMDLs for pollutants that have numeric water quality standards. Therefore, Fecal Coliform and Chloride TMDLs were developed for six waterbody segments within the North Branch Chicago River Watershed:

- North Branch Chicago River (segment IL_HCC - 07)
- West Fork North Branch Chicago River (IL_HCCB - 05)
- Middle Fork North Branch Chicago River (IL_HCCC – 02), and IL_HCCC - 04)
- Skokie River (IL_HCCD – 01 and IL_HCCD - 09).

Phosphorus TMDL were also developed for:

- Skokie Lagoons (IL_RHJ)
- Chicago Botanic Garden Lake (IL_RHJA)
- Eagle Lake (IL_UHH) segments.

In addition, a Load Reduction Strategy (LRS) was developed for pollutant(s) that do not have numeric water quality standard. These include total suspended solids (TSS) LRSs for:

- North Branch Chicago River (segment IL_HCC - 07),
- West Fork North Branch Chicago River (IL_HCCB - 05),
- Middle Fork North Branch Chicago River (IL_HCCC – 02 and IL_HCCC - 04)
- Skokie River (IL_HCCD – 01)
- Skokie Lagoons (IL_RHJ) a
- Eagle Lake (IL_UHH).

Sedimentation/siltation LRSs were developed for:

- Middle Fork North Branch Chicago River (IL_HCCC-02 and IL_HCCC-04)
- Skokie River (IL_HCCD-09)

The waterbodies above are listed as impaired in the *Illinois Integrated Water Quality Report and Section 303(d) List, 2008-2018.*

Illinois EPA contracted with TMDL Consultants to prepare the Draft TMDL report for the North Branch Chicago River Watershed TMDL project (AECOM developed the Stage 1 Report, and CDM Smith developed the draft Stage 3 Report).

Public Meetings

The draft Stage 1 public meeting was held on May 26, 2009 in Deerfield, Illinois. The public comment period for the Stage 1 meeting closed on June 25, 2009. All comments from the first public meeting have been incorporated into the final draft report.

The draft Stage 3 public meeting was held on October 10, 2018, at 1:00 pm, at the Highland Park Police Station in Highland Park, Illinois. Approximately 45 people participated in the public meeting and the meeting record remained open until midnight, November 10, 2018.

Illinois EPA provided public notice for the draft Stage 3 public meeting by placing a display-ad in the Highland Park News (the local newspaper in Highland Park, IL). In addition, a direct mailing was sent to several stakeholders/Permittees in the watershed. The notice gave the date, time, location, and purpose of the meeting. The notice also provided references on how to obtain additional information about this draft TMDL report, the TMDL program, and other related information. The draft Stage 3 TMDL report was available for review at the Village of Deerfield Public Works & Engineering, Glenview Public Library, and Lake County Stormwater Management Commission, and electronically on the Agency's webpage: https://www2.illinois.gov/epa/public-notices/Pages/general-notices.aspx.

Questions & Comments

1. More recent and robust water quality data should be used to develop, carry out and track progress of the implementation plan for the TMDL.

    a) How does IEPA account for the change in conditions over time?

    Response – Impairment assessments generally utilize the most recent available data, and in many cases, there are specific periods of record limitations in the assessment phase (most recent 5 years of data for Fecal coliform for example). TMDL calculations are designed to be very conservative to address the near worst case scenarios based on available data. Furthermore, TMDLs are iterative and implementation is necessarily designed to include adaptive management policies so that impairments and TMDLs are continually revisited after implementation and recalculated as necessary.

    b) Are data from more recent years given more weight in assessing current conditions?

    Response – That is correct. Since the completion of the Stage 1 Report (December 2009), additional water quality data gathered by Illinois EPA, the Metropolitan Water Reclamation District (MWRD), and other agencies has been incorporated into the study as discussed in Section 1.2 of the TMDL report.

    c) How does IEPA account for impacts of climate change including increasing temperatures which will likely exacerbate temperature problems in the waterways? "Typical" summer values for basin air temperatures are in flux and this consideration should be included in the modeling.

    Response – Climate change will likely affect TMDL loads. The impact and scale due to increase in temperature, precipitation, storm events, and drought conditions vary widely, and it is difficult to account for and to model for these conditions at this time. Illinois EPA will continue waterbody monitoring and assessment in the watershed, and adaption of the TMDL Implementation plan outlined in the report may provide new data to support modification of the TMDL report as discussed in #1. (a) above.

For more information and discussion on how to address climate change, please refer to the TMDL reports below:
Lake Champlain Nutrient TMDL developed by EPA Region 1 (Section 5.4)
https://www.epa.gov/sites/production/files/2016-06/documents/phosphorus-tmdls-vermont-segments-lake-champlain-jun-17-2016.pdf
South Metro Mississippi River Total Suspended Solids TMDL developed by Minnesota Pollution Control Agency (approved by USEPA Region 5 on April 26, 2016; pages 10-12)
https://www.pca.state.mn.us/sites/default/files/wq-iw9-12e.pdf

2. The draft TMDL does not sufficiently address sources of phosphorus.

   a) Why wait to develop a TMDL for phosphorus impairments in the North Branch Chicago River and the Skokie River when it is clear there is a problem now, scientific data is available now, numeric criteria are being developed, and it would make more sense to develop the TMDLs now along with the other parameters?

      Response – TMDL calculations require numeric targets that have historically been based on the most conservative existing numeric water quality standard in Illinois. IEPA has focused on developing TMDLs to address impairments for parameters that have numeric water quality standards. The phosphorus water quality standard only applies to Illinois lakes. The Illinois Nutrient Loss Reduction - Science Advisory Committee (SAC) completed a nutrient criteria study in December 2018 for Illinois streams. Illinois EPA will review the recommendation and work with USEPA-Region 5 to develop the next step in adoption of nutrient criteria. However, the TMDL report does include implementation measures designed to address nutrient impairments through best management practices.

   b) We are not confident that a phosphorus TMDL will be developed in a timely manner if IEPA has to draft it after the current TMDL development process is already complete. More importantly, there is currently numeric criteria for dissolved oxygen (DO) in streams. We know that high levels of phosphorus contribute to DO problems, threatening water quality and aquatic life. *See e.g.* J. Environ. Qual. 27:261-266 (1998). By failing to sufficiently address phosphorus inputs in the TMDL now, IEPA is also failing to sufficiently address DO which is a parameter for which this TMDL is intended to address in streams of the North Branch Chicago River watershed.

Response – While nutrient loading is a known contributor to low DO issues in waterbodies, modeling performed as part of the North Branch Chicago River TMDL project indicated that low DO issues in streams in this watershed are largely driven by physical/morphological conditions in these highly urbanized systems.

c) It appears that IEPA did some work to address phosphorus reduction needs in streams, but that information appears to be missing from the draft report document. The draft report states: "Percent reduction needs for total phosphorus for each stream are discussed in Section 2.4.1 and shown in Tables 2-40 through 2-45." Section 2.4.1 and Tables 2-40 through 2-45 do not seem to be included in the draft report.

Response – This has been corrected in the final report. The phosphorus reduction needs will be addressed through watershed-based plans and by the Illinois Nutrient Loss Reduction Strategy.

d) With no permit limits regulating phosphorus discharges, how can IEPA say that the existing permit limits are adequately protective of aquatic life uses when the receiving waterways are impaired for aquatic life due to phosphorus?

Response – The TMDL report was revised to state that permit limits are designed and iteratively adjusted to provide adequate protection and meet current effluent limits. During the NPDES permit renewal process, major dischargers (NPDES Permits with design average flow (DAF) ≥1.0 MGD, of domestic wastewater) in the watershed will be required to monitor for total phosphorus (TP) in the interim and develop an action plan to meet a concentration limit of 1.0 mg/L (monthly average). In addition, the reissued NPDES Permit will include the following Special Conditions:

- Develop a phosphorus discharge optimization plan.
- Prepare a phosphorus removal feasibility study.
- Requirement to meet 0.5 mg/L Total Phosphorus effluent limit by January 1, 2030.
- Develop Nutrient Assessment Reduction Plan (NARP) by December 31, 2024.
- Participation in the North Branch Chicago River Watershed Workgroup (NBWW) to determine the most cost-effective means to

remove dissolved oxygen (DO) and other offensive conditions in the watershed to the extent feasible.

3. Combined sewer overflows should be included in the assessment of pollution loads.

   a) The IEPA assumes that combined sewer overflows (CSOs) from Chicago (NPDES Permit No. IL0045012), Golf (IL0072389) and the Village of Niles (ILM580035) are intermittent flows, and consequently excludes them from wasteload allocations for fecal coliform. This is concerning in that the IEPA does not consider how the impacts of climate change, including more intense rainfall, as well as the increase in impervious surfaces, are contributing to conditions that could cause more frequent CSO events.

      Response – Discharges from combined sanitary and stormwater overflows (CSOs) in the watershed were evaluated. Most of CSO control structures directly flow to the Tunnel and Reservoir Plan (TARP), but there are some CSO outfalls that discharge into the local waterways. As noted in the TMDL Report (refer to Section 2.3.1.4, and Table 2-4), only one of the permittees (City of Chicago CSO – IL0045012) has reported any discharge. These flows occur rarely based on the Discharge Monitoring Reports that are available in the link: https://echo.epa.gov/tools/data-downloads#downloads. Therefore, a fecal coliform wasteload allocation was not assigned for the CSO dischargers in the watershed. However, the NPDES Permittee shall comply with the nine minimum controls contained in the National CSO Control Policy published in the Federal Register on April 19, 1994, and the CSO Operational and Maintenance Plans outlined in their respective NPDES Permit Special Conditions to meet applicable water quality standards.

      Please also refer to Response #1. (c) above for comments regarding the impacts of climate change.

   b) The TMDL report should include CSOs in the assessment of pollution loads and include requirements for CSO discharges to take actions to reduce or prevent future CSOs and the impact they have on fecal coliform levels in the river including the implementation of green infrastructure to supplement the stormwater capacity of gray infrastructure still being constructed.

Response – CSO loads are included in the instream data that is used to identify impairments and as inputs into TMDL calculations. CSO-specific loading data is considered where available.

Please also refer to Response #3 (c) below, for comments regarding Green Infrastructure (GI) implementation plans.

c) Reductions in CSO discharges should be considered through the implementation of end of pipe controls and green infrastructure installation in order to address the release of oxygen-demanding materials to the waterways during high flows.

Response – CSO mitigation can include interim measures and BMPs ahead of abatement through programs such as TARP and CSO – LTCP. As part of the TMDL Implementation Plan, applicable green infrastructure (GI) BMPs have been outlined in Section 3.3 of the TMDL report.

4. The TMDL should address the histories of violations by point source dischargers in the watershed.

    Response – IEPA/BOW – Compliance Assurance Section will address NPDES Permit effluent limit violations pursuant to Section 31 of the Act.

5. The report should establish additional monitoring to evaluate progress towards attaining the TMDL targets.

a) The TMDL report should provide better direction on needed monitoring to demonstrate how well the TMDL is working. The monitoring plan in section 3.14.2 should be more specific on how it will accomplish its goal of assessing the overall implementation of management actions.

Response – Additional discussion has been included in the final report to clarify that a robust monitoring plan will need to be developed to include scope of work, budget, and implementation timeline. Base line monitoring will continue to be performed by IEPA and cooperating agencies.

b) We agree with the recommendations to conduct additional monitoring on specific structural systems such as a sediment control basin and to conduct inflow and outflow measurements to determine site-specific removal efficiency. Who will conduct this monitoring? We would like to see more specific detail on how these actions will be accomplished.

Response – Implementation measures and associated monitoring are typically driven by watershed-specific stakeholder groups. A list of available funding sources is provided to assist.

c) The implementation plan includes mention of further monitoring of point source discharges in the watershed. The IEPA should add increased monitoring to the NPDES permits now rather than waiting until the next permit cycle.

Response – The NPDES Permits include applicable monitoring frequency based on treatment plant capacity (design flows) and the type of treatment process at each facility. The monitoring frequency will be reevaluated during the next permit renewal cycle. At this time, all major domestic wastewater dischargers (DAF $\geq$ 1.0 MGD) are required to monitor for total phosphorus (TP) and Total Nitrogen (TN) once/month while developing a feasibility study on how to reduce total phosphorus effluent discharge in the short and long term (please also refer to Response #2. d)) above.

d) How often will IEPA monitor total phosphorus, chloride, DO, TSS, and fecal coliform in impaired lakes, stream segments, and tributaries in the watershed? Could IEPA or the North Branch Chicago River Watershed Workgroup maintain a central location to collect and share data.

Response:

Streams Monitoring: IEPA has two Ambient Water Quality Monitoring Network Stations in the North Branch – Chicago River area. They are:

HCC-07 – North Brach Chicago River at Touhy Avenue in Niles, IL

HCCC-02 – Middle Fork North Branch Chicago River at Lake-Cook Line Road in Deerfield, IL. These stations are sampled 9/year and samples include: total phosphorus, chloride, DO, TSS.

From May 1 through October 31 fecal coliform is sampled at a frequency of approximately once every 6 weeks, which works out to 4 -5 times a year.

Lakes Monitoring: Skokie Lagoons (RHJ) is monitored every 5 years on the basin rotation, and the next cycle is planned for 2021. Monitoring include DO, TSS, total phosphorus, chlorides (May through October 4 times). In addition, Lake County Health Department: Lake Monitoring Unit, monitors several lakes in the watershed, and the data is submitted to the Agency for Surface Water 305(b) Assessment program.
Illinois EPA monitoring data is available in USEPA database "STORET".
Stakeholders may also coordinate with NBWW to designate a central database location for the watershed.

6. The implementation plan lacks specifics and must adopt controls to meet the targets of the TMDL.

Response – The implementation plan included in the TMDL report is intended to build upon local plans developed by stakeholders and watershed workgroups. Additional efforts beyond the scope of this TMDL project will be necessary to effectively implement measures laid out in this report that are intended to address the impairments for which TMDLs have been calculated. As discussed in this document, an adaptive management approach is essential to develop effective implementation strategies. This watershed is large, complex, and a wide array causes and impacts to water quality exist that will need to be addressed using a phased and multi-faceted approach with constant feedback and reassessment of alternatives and results. The development of a comprehensive implementation program requires ongoing efforts and on-the-ground actions outside of the scope of the existing TMDL program. These efforts will ultimately need to be led by actively engaged stakeholders in the watershed. The implementation plan presented provides an array of potential implementation actions and a substantial list of potential funding sources and support agencies intended to assist in development of implementation activities.

7. There is a lack of reasonable assurances with little or no funding identified to implement the TMDL.

Response – A list of known available funding sources is provided in the implementation plan section of the report. In addition, the Lake County Stormwater Management is in the process of updating the North Branch – Chicago River Watershed Based Plan that has been referenced in the TMDL report.

8. Is the TMDL process being coordinated in any way with the Nutrient Assessment and Reduction Plan (NARP) that the North Branch Chicago River Watershed Workgroup (NBWW) has committed to develop? (See NBWW 2018-2023 Workplan).

   Response – The TMDL report acknowledges the Nutrient Assessment and Reduction Plan (NARP) that is being developed by North Brach Chicago River Watershed Workgroup (NBWW) to address nutrient impairments in the watershed as part of the NPDES Permit renewal requirements (please also refer to Response #2. d)) above.

9. How are MS4 discharges being approached and what will be done to better enforce MS4 permit conditions?

   Response – Illinois EPA has advised MS4 permittees in the watershed and the NBWW to work together to develop monitoring and implementation plans that include best management practices (BMPs) on a watershed approach to address water quality issues and meet NPDES permit requirements.

10. "More educational activities should be included in the TMDL implementation to increase public awareness of the issues facing the health of the waterways and potential solutions to help improve them. Sierra Club could partner with other stakeholders to implement such education activities".

    ".. providing better information on our rivers' water quality and what we can do about it would be of great service. Particularly, this information would need to be provided so that it is easily read in a catchy and memorable way."

    ".. good sites to begin to place catchy and memorable information would be the boat houses along the river and lagoons where people are kayaking."

    Response – Additional discussion has been added to Section 3.11, to suggest for actively engaging with non-profit organizations such as Sierra Club, Open Lands, and the NBWW to develop education and outreach programs as part of a holistic watershed-based plan. In addition, adding signage as suggested for public awareness and discussion to address water quality issues in the watershed may have a positive outcome.

From: MIKE ERICKSON <m2erickson@comcast.net>
Sent: Saturday, November 10, 2018 7:34 PM
To: Haile, Abel
Subject: [External] Comments on draft Stage 3 report for North Branch Chicago River Watershed TMDL

Dear Mr. Haile and other Illinois EPA officials,

I am writing about the IEPA's draft Stage 3 report for the North Branch Chicago River watershed TMDL. I am a Cook County resident who cares about water quality and wildlife in the Chicago River watershed and would recreate on these waterways more often were they cleaner! I would like to work with IEPA and local agencies on improving water quality in the watershed.

I agree with the comments submitted by the Illinois Sierra Club and incorporate them here by reference. Some of the main concerns I share with Sierra Club include:

- The draft TMDL does not sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment of pollution loads.
- The TMDL should address the histories of violations by point source dischargers.
- The report should establish additional monitoring to evaluate progress towards attainment.
- More recent and robust water quality data, including data being collected by the North Branch of the Chicago River Watershed Workgroup and the Sierra Club's Chicago Water Team, should be used to develop and carry out the implementation plan for the TMDL.
- The implementation plan lacks specifics and must adopt controls to meet the targets.
- There is a lack of reasonable assurances with little or no funding identified to implement.

More educational activities should be included in the TMDL implementation to increase public awareness of the issues facing the health of the waterways and potential solutions to help improve them. Sierra Club could partner with other stakeholders to implement such education activities.

Thank you for your consideration of these comments. I look forward to seeing improvements in the North Branch Chicago River watershed.

Sincerely,

Mike Erickson

8756 S. Rockwell Av., Evergreen Park, Illinois 60805

Adjunct Professor of Earth and Environmental Studies

Ericksonm7@mvcc or m2erickson@comcast.net

Illinois Sierra Club • Friends of the Chicago River • Openlands

November 10, 2018

Sent via email to Abel.Haile@illinois.gov

Abel Haile, Manager, Planning (TMDL) Unit
Watershed Management Section, Bureau of Water
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. 0. Box 19276
Springfield, IL 62794-9276

Re: Sierra Club, Openlands and Friends of the Chicago River's Comments on the Draft Stage 3 Report for the North Branch Chicago River Watershed TMDL

Dear Mr. Haile,

These comments are offered by the Illinois Chapter of the Sierra Club, Openlands and Friends of the Chicago River on the draft North Branch Chicago River Watershed TMDL Report ("draft report"). Members of our organizations live and recreate along the North Branch Chicago River and depend on clean water in the river for activities including rowing, paddling, birdwatching and other wildlife viewing and would use the river more often were it cleaner and supporting of all uses. We appreciate all of the work that has gone into developed this TMDL and hope to work together to ensure its implementation improves water quality and environmental health in the watershed.

The dissolved oxygen (DO), fecal coliform, chloride and phosphorus impairments in the North Branch Chicago River watershed are a threat to the health and safety of the people and wildlife that use the river and the aquatic organisms that live in the water. In order to meet water quality standards and attain all designated uses of the waterways, the Illinois Environmental Protection Agency (IEPA) must work with local stakeholders to develop a stronger, more detailed and specific implementation plan than the plan included in Section 3 in order to meet the target reductions for these parameters which are identified in the draft TMDL report.

We believe there are needed improvements and additional work that must be done to ensure progress towards the goals of the TMDL. We urge the IEPA to address the following concerns and recommendations in a revised TMDL report or subsequent implementation plans:

- More recent and robust water quality data should be used to develop, carry out and track progress of the implementation plan for the TMDL.
- The draft TMDL does not sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment of pollution loads.
- The TMDL should address the histories of violations by point source dischargers in the watershed.
- The report should establish additional monitoring to evaluate progress towards attaining the TMDL targets.
- The implementation plan lacks specifics and must adopt controls to meet the targets of the TMDL.
- There is a lack of reasonable assurances with little or no funding identified to implement the TMDL.
- More educational activities should be included in the TMDL implementation plan.

More recent and robust water quality data should be used to develop, carry out and track progress of the implementation plan for the TMDL.

Most of the water quality data used to develop the TMDL report are from more than five years ago, and some data are from nineteen years ago. How does IEPA account for the change in conditions over time? Are data from more recent years given more weight in assessing current conditions? Conditions have likely changed in the past five years and more recent and robust data is needed to develop an effective implementation plan and set benchmarks along the way to delisting these waterways.

In addition, the report states:

> Q2K requires inputs for climate since they pertain to the calculation of water temperature and reaeration. For this analysis, no climate data were used directly in the model. Instead, basin air temperatures were set in the model based on typical summer values for this area and to achieve a modeled stream temperature profile that closely matches measured water temperatures (i.e., as part of the calibration process). (P. 1-15.)

How does IEPA account for impacts of climate change including increasing temperatures which will likely exacerbate temperature problems in the waterways? "Typical" summer values for basin air temperatures are in flux and this consideration should be included in the modeling. See e.g. Appendix A: Primary Impacts of Climate Change in the Chicago Region, Chicago Metropolitan Agency for Planning, June 2013.

The North Branch Chicago River Watershed Workgroup is currently conducting monitoring in the watershed, as is the Sierra Club's Chicago Water Team. The IEPA should guide stakeholders in working together on a strong implementation plan using current data. By using all data available in the implementation phase and projections of how that data will change in the future due to climate change and other factors, IEPA and stakeholders will be better able to implement solutions that will succeed at improving water quality in the near and long term future.

The draft TMDL does not sufficiently address sources of phosphorus.

It is clear that phosphorus is a problem for the North Branch Chicago River watershed, with every waterway included in the TMDL report listed on the Illinois 2018 303(d) list with impairments caused by phosphorus. The phosphorus impairments in the Skokie Lagoons, Chicago Botanic Garden Lake and Eagle Lake are addressed by the TMDL, but IEPA plans to defer development of phosphorus TMDLs in the watershed's streams until numeric criteria have been developed and adopted for phosphorus in streams. A proposal for a numeric water quality standard for phosphorus in streams is expected shortly and the Illinois Nutrient Loss Reduction Strategy clearly demonstrates that reducing nutrient levels in waterways is a priority for Illinois. However, final adoption of a water quality standard for phosphorus by the Pollution Control Board may take years. Why wait to develop a TMDL for phosphorus impairments in the North Branch Chicago River and the Skokie River when it is clear there is a problem now, scientific data is available now, numeric criteria are being developed, and it would make more sense to develop the TMDLs now along with the other parameters?

We are not confident that a phosphorus TMDL will be developed in a timely manner if IEPA has to draft it after the current TMDL development process is already complete. More importantly, there is currently numeric criteria for dissolved oxygen (DO) in streams. We know that high levels of phosphorus contribute to DO problems, threatening water quality and aquatic life. *See e.g.* J. Environ. Qual. 27:261-266 (1998). By failing to sufficiently address phosphorus inputs in the TMDL now, IEPA is also failing to sufficiently address DO which is a parameter for which this TMDL is intended to address in streams of the North Branch Chicago River watershed.

It appears that IEPA did some work to address phosphorus reduction needs in streams, but that information appears to be missing from the draft report document. The draft report states: "Percent reduction needs for total phosphorus for each stream are discussed in Section 2.4.1 and shown in Tables 2-40 through 2-45." Section 2.4.1 and Tables 2-40 through 2-45 do not seem to be included in the draft report. The last subsection of Section 2 appears to be 2.3.5 on page 2-38, and the last table in Section 2 is Table 2-38. Section 2.4.1 and Tables 2-40 through 2-45 need to be made available for public comment.

We appreciate the discussion on the need to reduce phosphorus loads in Section 3.6, especially the statement that Illinois EPA will evaluate the need for point source controls through the NPDES permitting program as each facility's permit is due for renewal. We also agree that IEPA should continue monitoring Discharge Monitoring Reports and take further regulatory action if there are any violations of the effluent limits at the permitted facilities. However, we do not agree with this statement in regards to NPDES permit holders discharging phosphorus: “The existing permit limits are currently believed to be adequately protective of aquatic life uses within the impaired segments.”

The Village of Deerfield plant (IL0028347) has an average flow of 3.1 MGD with only a monitoring requirement for phosphorus. The North Shore Water Reclamation District (IL0030171) has an average flow of 14.6 MGD and appears to lack even a monitoring requirement for phosphorus. Abbott Laboratories (IL0066435, average flow of 1.6 MGD) also appears to lack any monitoring requirements or limits for phosphorus. With no permit limits regulating phosphorus discharges, how can IEPA say that the existing permit limits are adequately protective of aquatic life uses when the receiving waterways are impaired for aquatic life due to phosphorus?

Minnesota and Wisconsin evaluated appropriate criteria for phosphorus in streams and determined that levels should be kept less than .15 mg/L or .08 mg/L. See, *Prairie Rivers Network v. Illinois Pollution Control Board*, 2016 Ill. App 3d (1st Dist.) 15091, pp. 9-10. Limits are needed from point sources that will bring phosphorus levels in the North Branch down to levels that have been found tolerable in neighboring states to prevent violation of DO standards and unnatural plant and algal growth.

Combined Sewer Overflows should be included in the assessment of pollution loads.

The draft TMDL report says that the NPDES permits regulating CSOs (IL0045012- Chicago CSOs, IL0072389- Golf CSOs, and ILM580035- Village of Niles CSOs) implement the USEPA Combined Sewer Overflow Policy (59 Fed. Reg. 18688, April 19, 1994), which requires the development of Long Term Control Plans for each NPDES permitted CSO. However, this policy requirement is not being met.

Further, the completion of the Tunnel and Reservoir Plan (TARP) will not mean an end to CSOs from these 33 CSO outfalls. Moverover, MWRD has publicly stated in numerous filings in the Pollution Control Board (See, Amended Petition in PCB 2016-28) that while TARP will generally address CSOs owned by MWRD, it will only address other CSOs on an as feasible basis and that it will not take responsibility for CSOs owned by municipalities or other CSOs that do not belong to it.

The draft report states:

> Discharges from CSOs occur infrequently throughout the year in response to extreme wet weather conditions when receiving water flows are high. Actively discharging CSOs are a temporally limited source of pollutants such as fecal coliform and chloride to segment

> HCC-07 of the North Branch. For this TMDL study, CSO WLAs for fecal coliform are set at zero. The allocation of zero is not intended to reflect an immediate requirement for zero discharge, but rather, reflect the ongoing implementation of TARP and continued compliance to the Long-Term CSO Control Plan and applicable NPDES permits, which will ultimately result in complete CSO abatement in this watershed. (Pg. 2-6, 2-7)

The IEPA assumes that combined sewer overflows (CSOs) from Chicago (NPDES Permit No. IL0045012), Golf (IL0072389) and the Village of Niles (ILM580035) are intermittent flows, and consequently excludes them from wasteload allocations for fecal coliform. This is concerning in that the IEPA does not consider how the impacts of climate change, including more intense rainfall, as well as the increase in impervious surfaces, are contributing to conditions that could cause more frequent CSO events. According to the National Climate Assessment (NCA), what were once considered "extreme wet weather conditions" are occurring ever more frequently across all regions of the U.S. See Melillo, J. M., Richmond, T.C. & Yohe, G. W. (Eds.), 2014. Climate Change Impacts in the United States: The Third National Climate Assessment. U.S. Global Change Research Program. The increases in frequency and intensity of wet weather in the Midwest are among the nation's largest, and urban flooding is expected to increase as a result of its direct link to heavy precipitation (Melillo et al., 2014). According to the Illinois State Water Survey:

> Climate model projections also indicate that northeastern Illinois, including the Chicago metropolitan area, will experience more frequent and more intense rainfall events in the future (Markus et al., 2012, 2016). These increases will lead to more intense and more frequent urban flooding events and to increased human, environmental, and economic risks.

See Markus, Momcilo, James Angel, Kexuan Wang, Gregory Byard, Sally McConkey, Zoe Zaloudek, 2017. Impacts of Potential Future Climate Change on the Expected Frequency of Extreme Rainfall Events in Cook, DuPage, Lake, and Will Counties in Northeastern Illinois. Illinois State Water Survey, Champaign, IL. 114 p., ISWS CR 2017-05. The IEPA could consider modeling climate change effects, as explained in the Illinois State Water Survey report, as part of its TMDL for the North Branch Chicago River watershed.

In addition, the report states that the TMDL endpoint for fecal coliform is based on protection of the primary body contact recreational use. Even with intermittent or infrequent flows, CSOs and their high levels of fecal coliform present serious risks to the health and safety of those using the waterways for recreation. Therefore, the TMDL report should include CSOs in the assessment of pollution loads and include requirements for CSO discharges to take actions to reduce or prevent future CSOs and the impact they have on fecal coliform levels in the river, including the implementation of green infrastructure to supplement the stormwater capacity of gray infrastructure still being constructed.

CSOs are also a source of nutrients and oxygen demanding materials that may cause violations of the DO standard in the river when discharging at times outside of the critical low flow period considered in the TMDL. Reductions in CSO discharges should be considered through the implementation of end of pipe controls and green infrastructure installation in order to address the release of oxygen-demanding materials to the waterways during high flows.

The TMDL should address the histories of violations by point source dischargers in the watershed.

In addition to our concerns about point source dischargers in the watershed discharging phosphorus at unregulated levels to impaired waterways, we are also concerned about other parameters they are discharging and the violations reported in EPA's Enforcement and Compliance History Online (ECHO) database. The Village of Deerfield (IL0028347) has a long list of permit limit violations including CBOD, fecal coliform, phenolics, silver, total suspended solids, as well as numerous administrative violations due to issues with submitting their Biosolids Program Report.[1] The TMDL should at least address the CBOD and fecal coliform violations as they directly impact the impairments that the TMDL intends to reduce.

The North Shore Water Reclamation District (IL0030171) has 8 violations in the past 12 quarters listed in their ECHO facility report (5 administrative, 3 numerical limit violations for fecal coliform and total suspended solids).[2] Also, their fecal coliform limit of 400 per 100 mL during May-October does not properly protect recreational users who use the waterways outside of that timeframe. Abbott Laboratories (IL0066435) has had two violations of their chloride limit this year.[3]

IEPA has a responsibility to hold these discharges accountable for meeting their permit requirements in order to protect the receiving waterways and achieve the goals declared in the draft TMDL report. If the Agency refuses to add new requirements to these permits to make progress towards removing waterway impairments resulting from these and other pollution sources, they should at least enforce the existing limits set to protect water quality.

The report should establish additional monitoring to evaluate progress towards attaining the TMDL targets.

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[1] https://echo.epa.gov/detailed-facility-report?fid=110009727028
[2] https://echo.epa.gov/detailed-facility-report?fid=110010738764
[3] https://echo.epa.gov/detailed-facility-report?fid=110018042562

The TMDL report should provide better direction on needed monitoring to demonstrate how well the TMDL is working. The monitoring plan in section 3.14.2 should be more specific on how it will accomplish its goal of assessing the overall implementation of management actions. For example, how long before and after a BMP is incorporated into the watershed should monitoring take place in order to properly assess the effectiveness? The report should establish a monitoring schedule to estimate short and long term impacts of the implementation of BMPs in the watershed.

We agree with the recommendations to conduct additional monitoring on specific structural systems such as a sediment control basin and to conduct inflow and outflow measurements to determine site-specific removal efficiency. Who will conduct this monitoring? We would like to see more specific detail on how these actions will be accomplished.

The implementation plan includes mention of further monitoring of point source discharges in the watershed. The IEPA should add increased monitoring to the NPDES permits now rather than waiting until the next permit cycle. By working with the permit holders to incorporate increased monitoring now, the Agency can get a better sense of the levels of pollutant loads coming from these dischargers and coming from other sources that will need to be addressed outside of the permitting process.

How often will IEPA monitor total phosphorus, chloride, DO, TSS, and fecal coliform in impaired lakes, stream segments, and tributaries in the watershed? Could IEPA or the North Branch Chicago River Watershed Workgroup maintain a central location to collect and share data on the health of the watershed from various sources including its own monitoring and Intensive Basin Surveys, MWRD sampling data and any additional data collected through implementation of the North Branch Chicago River Watershed-Based Plan or the TMDL? This would help provide a holistic view of the changes in water quality that will hopefully result from the actions recommended by the TMDL. Fox example, the Illinois State Water Survey maintains (through contract) such a database for the Fox River watershed. See Environmental Database at http://ilrdss.sws.uiuc.edu/fox/.

The implementation plan lacks specifics and must adopt controls to meet the targets of the TMDL.

The implementation plan is critical to ensuring that progress is made towards removing the waterway impairments within the watershed. There should be a clear setting of priorities on what needs to be implemented in the TMDL and specific detail on how to achieve these priorities.

Additional stream assessment is recommended to address DO impairments, but no permit changes are currently recommended for NPDES permits in the draft TMDL report. It does not appear that permit limits for DO were studied in enough detail to determine that, as the draft report states, the existing permit limits are adequately protective. Given the known DO impairments in the watershed, these permit limits should be studied and adjusted accordingly. IEPA could require permittees to monitor DO conditions downstream of their discharge points in order to gather the data needed to assess progress in meeting the TMDL targets. Will IEPA set a requirement in permits issued in the watershed for permittees to fund and participate in the North Branch Chicago River Watershed Workgroup's comprehensive monitoring program? See NBWW 2018-2023 Workplan at https://www.nbwwil.org/wp-content/uploads/2018/04/NBWW-2018-2023-Workplan.pdf.

Given the lack of TMDLs for total phosphorus, total suspended solids or sedimentation/siltation impairments in streams within the North Branch Chicago River watershed, the report should provide more concrete steps to address these impairments in the absence of numeric criteria.

We appreciate the robust list of BMPs recommended for reducing sources of the pollutants addressed by the TMDL. How will IEPA ensure that these BMPs are actually implemented to meet the goals of the TMDL? We agree that public education and staff training is needed to address pollutants such as chlorides coming from road salt application. Who will conduct these trainings and provide public education? Will IEPA provide funding and/or other resources to support this work? We look forward to seeing more details on how this will be achieved and our organizations would be willing to help with public education and awareness efforts through our membership.

Section 3.14.3 lays out the Success Criteria for the implementation plan. The North Branch Chicago River Watershed Workgroup developed a five-year workplan (See NBWW 2018-2023 Workplan with link above). Shouldn't a criteria be added for that plan's implementation by 2023?

There is a lack of reasonable assurances with little or no funding identified to implement the TMDL.

When a TMDL is developed for both point and nonpoint sources, the TMDL should require reasonable assurances that the nonpoint source control measures will achieve expected load reductions. See USEPA Guidelines for Reviewing TMDLs under Existing Regulations issued in 1992 (May 20, 2002).

It is highly possible that some landowners may need technical/engineering or planning assistance to apply for funding and implement projects that will help reduce pollutant loads. The TMDL should identify assistance for landowners willing to help with implementation but needing some support to do so.

While numerous funding sources are described in the draft report, there does not seem to be a plan for obtaining and using such funding to implement the TMDL. Some of the funding sources are uncertain, indicating a need for a dedicated funding source to complete the work needed to remove the impairments. Shouldn't the TMDL be updated with the plans that the North Branch Chicago River Watershed Workgroup has developed for funding implementation and assessment work in the watershed?

More educational activities should be included in the TMDL implementation plan.

Our organizations are willing to partner with other stakeholders in the watershed to implement public educational activities. For example, Sierra Club invites others to join our activities in the watershed including water monitoring activities, river cleanups and restoration activities, recreational activities such as kayaking and other outings, and distribution of educational materials at public meetings and events.

Additional Questions:

- Is the TMDL process being coordinated in any way with the nutrient assessment and reduction plan (NARP) that the North Branch Chicago River Watershed Workgroup has committed to develop? (See NBWW 2018-2023 Workplan).
- How are MS4 discharges being approached and what will be done to better enforce MS4 permit conditions?

Thank you for your consideration of our comments. We look forward to seeing our questions and concerns addressed and continuing to work together to protect Illinois waterways.

Sincerely,

Katrina Phillips
Clean Water Advocate
Sierra Club, Illinois Chapter
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Margaret A Frisbie

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From: Alex Hlavacek <ahlavacek@yahoo.com>
Sent: Friday, November 9, 2018 4:04 PM
To: Haile, Abel
Subject: [External] IEPA - Chicago River and TMDL

Dear Mr. Haile and other Illinois EPA officials,

I am writing in regards to IEPA's draft Stage 3 report for the North Branch Chicago River watershed TMDL. I am a Chicago resident who cares about water quality and wildlife in the Chicago River watershed and would recreate on these waterways more often were they cleaner. Earlier this year, I enjoyed going on a kayaking event in the Skokie Lagoons (part of TMDL) and so feel strongly about the need to protect thearea waterways. I am a volunteer member of the Sierra Club's Chicago Water Team which advocates for the health of our waterways and I participate in our water monitoring program to assess local water quality. We have found some concerning results and would like to work with IEPA and local agencies on improving water quality in the watershed.

I agree with the comments submitted by the Illinois Sierra Club and incorporate them here by reference. Some of the main concerns I share with Sierra Club include:

- The draft TMDL does not sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment of pollution loads.
- The TMDL should address the histories of violations by point source dischargers in the watershed.
- The report should establish additional monitoring to evaluate progress towards attaining the TMDL targets.
- Water monitoring data, including data being collected by the North Branch of the Chicago River Watershed Workgroup and the Sierra Club's Chicago Water Team, should be used by stakeholders during the implementation phase.
- The implementation plan lacks specifics and must adopt controls to meet the targets of the TMDL.
- There is a lack of reasonable assurances with little or no funding identified to implement the TMDL.
- More educational activities should be included in the TMDL implementation to increase public awareness of the issues facing the health of the waterways and potential solutions to help improve them. Sierra Club could partner with other stakeholders to implement such education activities. For example, we invite others to join on our water monitoring activities, help with cleanups and other restoration activities, participate in recreational activities such as kayaking and other outings, and provide educational materials and information at public meetings and events.

Thank you for your consideration of these comments. I look forward to seeing improvements in the North Branch Chicago River watershed.

Sincerely,

Alex Hlavacek
2216 N. Lincoln Avenue
Chicago, IL 60614

From: Jeff Shelden <jeffshelden@gmail.com>
Sent: Friday, November 9, 2018 3:15 PM
To: Haile, Abel
Subject: [External] Comments on draft Stage 3 report for North Branch Chicago River Watershed TMDL

Dear Mr. Haile and Illinois EPA officials,

I am writing in regards to IEPA's draft Stage 3 report for the North Branch Chicago River watershed TMDL. I am a Chicago resident who cares about water quality and wildlife in the Chicago River watershed and would recreate on these waterways more often were they cleaner. I am the Chairperson of Sierra Club's volunteer Chicago Water Team which advocates for the health of our waterways and I participate in our water monitoring program to assess local water quality. We have found some concerning results and would like to work with IEPA and local agencies on improving water quality in the watershed.

I have participated in a few Sierra Club outings where we kayaked at Skokie Lagoons. It is a wonderful experience and it's critical to recreational activities like this that the waterways are protected and taken care of.

I agree with the comments submitted by the Illinois Sierra Club and incorporate them here by reference. Some of the main concerns I share with Sierra Club include:

- The draft TMDL does not
- sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment
- of pollution loads.
- The TMDL should address
- the histories of violations by point source dischargers in the watershed.
- The report should establish
- additional monitoring to evaluate progress towards attaining the TMDL targets.
- Water monitoring data, including
- data being collected by the North Branch of the Chicago River Watershed Workgroup and the Sierra Club's Chicago Water Team, should be used by stakeholders during the implementation phase.
- The implementation plan
- lacks specifics and must adopt controls to meet the targets of the TMDL.
- There is a lack of reasonable assurances with little
- or no funding identified to implement the TMDL.

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- More educational activities
- should be included in the TMDL implementation to increase public awareness of the issues facing the health of the waterways and potential solutions to help improve them. Sierra Club could partner with other stakeholders to implement such education activities.
- For example, we invite others to join on our water monitoring activities, help with cleanups and other restoration activities, participate in recreational activities such as kayaking and other outings, and provide educational materials and information at public
- meetings and events.
-

Thank you for your consideration of these comments. I look forward to seeing improvements in the North Branch Chicago River watershed.

Sincerely,

Jeff Shelden
2018 W Potomac
jeffshelden@gmail.com
(773) 612 - 7271

From: Kyle Burkybile <kburkybile@gmail.com>
Sent: Saturday, November 10, 2018 2:42 PM
To: Haile, Abel
Subject: [External] Comments on draft Stage 3 report for North Branch Chicago River Watershed TMDL

Dear Mr. Haile and other Illinois EPA officials,

I am writing in regards to IEPA's draft Stage 3 report for the North Branch Chicago River watershed TMDL. I am a Chicago resident who cares about water quality and wildlife in the Chicago River watershed. I created a website centered around sustainability & philanthropy last year, and I volunteer with several environmental groups in the city. One of them is the Sierra Club's Chicago Water Team, which advocates for the health of our waterways. I participate in our water monitoring program to assess local water quality. We have found some concerning results and would like to work with IEPA and local agencies on improving water quality in the watershed.

I agree with the comments submitted by the Illinois Sierra Club and incorporate them here by reference. Some of the main concerns I share with Sierra Club include:

- The draft TMDL does not
- sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment
- of pollution loads.
- The TMDL should address
- the histories of violations by point source dischargers in the watershed.
- The report should establish
- additional monitoring to evaluate progress towards attaining the TMDL targets.
- More
- recent and robust water quality data, including data being collected
- by the North Branch of the Chicago River Watershed Workgroup and the Sierra Club's Chicago Water Team,
- should be used to develop and carry out the implementation
- plan for the TMDL.
- The
- implementation plan lacks specifics and must adopt controls to meet the targets of
- the TMDL.
- There is a lack of reasonable assurances with little

- or no funding identified to implement the TMDL.
-
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- More educational activities
- should be included in the TMDL implementation to increase public awareness of the issues facing the health of the waterways and potential solutions to help improve them. Sierra Club could partner with other stakeholders to implement such education activities.
- For example, we invite others to join on our water monitoring activities, help with cleanups and other restoration activities, participate in recreational activities such as kayaking and other outings, and provide educational materials and information at public
- meetings and events.
-

Thank you for your consideration of these comments. I look forward to seeing improvements in the North Branch Chicago River watershed.

Sincerely,

Kyle Burkybile
kburkybile@gmail.com

Good afternoon,
My name is Linda Englund and I live on the north side of Chicago. My comment concerns the education piece of the TMDL North Branch Chiago River Draft report.

I am a member of the Chicago branch of the Sierra Club and participate in its Water Sampling Program. The Sierra Club has been testing on the Chicago River for almost two years. We have 12 sites we sample at, from 3500 south up to Wilmette. I test at the north side sites, which are at Foster Ave in Chicago, the Dammrich Rowing Center in Skokie and the Bahai Temple in Wilmette. We test for water temperature, Dissolved Oxygen, Phosphorous, pH and Conductivity.

Beginning this fall, we have implemented testing at all the sites on the same day, to determine the consistency of our results across the various sites along the river. We used to test whenever members were able to go out. We are now attempting to test every two weeks. Our results will be published to our members across the state. If our sampling shows a serious breach in acceptable results, Sierra Club staff can notify appropriate government agencies.

I have found when I am testing that people passing by are extremely interested in our testing and always glad to see it being done, particularly by regular citizens. This makes me think that providing better information on our rivers' water quality and what we can do about it would be of great service. Particularly, this information would need to be provided so that it is easily read in a catchy and memorable way. I have even begun to involve my young grandchildren in the testing, and encourage them to tell their teachers and classmates, to grow their interest in the environment and let them know that each of us can play a role in working toward clean water.

My husband and I are also participating in the Shedd Aquarium's Wild Mile program of floating islands in the Chicago River, located near North Avenue. These islands were built this past spring with the object of growing native plant species that will attract fish and hopefully other wildlife back to the river. The roots of these plants are growing deep into the river and provide cover for fish, and the islands provide nesting and resting places for turtles, ducks, etc. Participants in this program kayak out to these islands with Shedd scientists, weed and check the plants. They also check underwater traps for fish, crayfish, etc, document what they find, and release them. When the Chicago Tribune wrote about this program, the Shedd was inundated with people who wanted to participate. Again, this shows that citizens are eager to help improve our water if we know what we can do. I think that good sites to begin to place catchy and memorable information would be the boat houses along the river and lagoons where people are kayaking from.

Thank you for this opportunity to comment and for providing yet another way for citizens to work for clean water.

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November 10, 2018

Abel Haile, Manager, Planning (TMDL) Unit
Watershed Management Section, Bureau of Water
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. 0. Box 19276
Springfield, IL 62794-9276

RE: Draft Stage 3 Report for the North Branch of the Chicago River Watershed

Dear Mr. Haile and IEPA:

I am writing concerning IEPA's Draft Stage 3 report for the North Branch Chicago River watershed TMDL. I am a Chicago resident who cares about water quality and wildlife in the Chicago River watershed. I am also a volunteer member of the Sierra Club's Chicago Water Team which advocates for the health of our waterways.

I particularly enjoy kayaking on the North Branch of the Chicago River and in the Skokie Lagoons. Last August, I went on an outing with other Sierra Club members on kayaks through the Skokie Lagoons and was very impressed by the variety of birds and wildlife supported by the watershed. Having clean water is vital to my enjoyment of these waters. Where phosphorus overloads produce too much algae in the water, I don't enjoy the kayaking experience as much as I would like. Where fish and wildlife suffer from poor water quality, I am unable to enjoy the variety of wildlife I enjoy seeing.

Below is some of the wildlife I observed during my kayaking trip through the Skokie Lagoons.

(Above is a photo of me kayaking)

I appreciate the work that IEPA has done on the TMDL report so far and I agree with the comments submitted by the Illinois Sierra Club and incorporate them here by reference. The concerns I share with Sierra Club include:

- The draft TMDL does not sufficiently address sources of phosphorus.
- Combined sewer overflows should be included in the assessment of pollution loads.
- The TMDL should address the histories of violations by point source dischargers in the watershed.
- The report should establish additional monitoring to evaluate progress towards attaining the TMDL targets.
- More recent and robust water quality data should be used to develop and carry out the implementation plan for the TMDL.
- The implementation plan lacks specifics and must adopt controls to meet the targets of the TMDL.
- There is a lack of reasonable assurance targets will be met with little or no funding identified to implement the TMDL.
- More educational activities should be included in the TMDL implementation plan.

I previously provided IEPA with some recent water quality data collected by the Sierra Club and I attended the public meeting in an attempt to help IEPA strengthen the final TMDL. I believe that the Sierra Club can make a meaningful contribution to reduce pollution and improve water quality by working in collaboration with other stakeholders in the watershed. There are many other Sierra Club members who enjoy recreation in this watershed as I do.

Please do all that you can to strengthen the TMDL and protect the North Branch of the Chicago River watershed so that I can continue to enjoy these wild areas.

Sincerely,

Lyman C. Welch
5541 N Magnolia Ave
Chicago, IL 60640
lymanwelch@protonmail.com

NOTICE OF PUBLIC MEETING

North Branch Chicago River Watershed
(Cook and Lake Counties)

Illinois Environmental Protection Agency Bureau of Water will hold a public meeting on

Wednesday, October 10, 2018 (1:00 pm)

at the

Highland Park Police Station Training Room
1677 Old Deerfield Road
Highland Park, Illinois 60035

The purpose of this meeting is to provide an opportunity for the public to receive information and comment on the draft Total Maximum Daily Load (TMDL) concerning impairments to 9 (nine) waterbody segments within the North Branch Chicago River Watershed -- North Branch Chicago River (HCC - 07), West Fork North Branch Chicago River (HCCB - 05), Middle Fork North Branch Chicago River (HCCC – 02 and HCCC - 04), Skokie River (HCCD – 01 and HCCD - 09), Skokie Lagoons (RHJ), Chicago Botanic Garden Lake (RHJA), Eagle Lake (UHH)

The potential causes of impairment for these segments are Dissolved Oxygen (DO), Fecal Coliform, and Chloride.

This Draft TMDL report includes watershed characterization, data analysis, and pollutant loading capacity analysis that have been used to determine the reductions necessary to meet designated uses and water quality standards. Also included is an implementation plan designed to meet the reductions needed.

Illinois EPA implements the TMDL program in accordance with Section 303(d) of the federal Clean Water Act. A TMDL is the sum of the allowable amounts of a single pollutant (such us total phosphorus, metals, etc.) that a waterbody can receive from all contributing sources and still meet water quality standards or designated uses.

Stakeholders and participants will also be asked for input on potential nonpoint source Best Management practices and projects that could be included as part of the implementation plan in the final draft Stage 3 report.

The draft Stage 3 report for North Branch Chicago River Watershed TMDL is available on-line at www.epa.state.il.us/public-notices. A hard copy of the draft report is available for viewing at the Village of Deerfield Public Works & Engineering (465 Elm Street, Deerfield, IL 60015), Glenview Public Library (1930 Glenview Road, Glenview, IL 60025), and Lake County Stormwater Management Commission (500 W. Winchester Road, Libertyville, IL 60048) during business hours.

Questions about the draft TMDL report should be directed to the project manager, Abel Haile by phone at 217-782-3362 or email (see contact information below).

Closure of the Meeting Record

The meeting record will close as of midnight, November 10, 2018. Written comments need not be notarized but must be postmarked before midnight and mailed to:

Abel Haile, Manager, Planning (TMDL) Unit
Watershed Management Section, Bureau of Water
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. 0. Box 19276
Springfield, IL 62794-9276
Phone 217-782-3362

TDD (Hearing impaired) 217-782-9143
E-mail: Abel.Haile@illinois.gov
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