

STAGE 1 DRAFT FOR
PUBLIC REVIEW

Salt Creek Watershed
HUC 0512011402
TMDL
Draft Stage 1 Report
Prepared for Illinois EPA



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Acronyms

BMPs	best management practices
CBOD	carbonaceous biochemical oxygen demand
cfs	cubic feet per second
cfu	colony forming unit
CWA	Clean Water Act
DO	dissolved oxygen
GIS	geographic information system
IDA	Illinois Department of Agriculture
Illinois EPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
ISWS	Illinois State Water Survey
LA	Load Allocation
LC	Loading Capacity
LRS	load reduction strategy
µg/L	micrograms per liter
mg/L	milligrams per liter
mL	milliliters
MOS	Margin of Safety
NA	not applicable
NASS	National Agricultural Statistics Service
NCDC	National Climatic Data Center
NCEI	National Centers for Environmental Information
NED	National Elevation Dataset
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
RC	Reserve Capacity
SOD	sediment oxygen demand
s.u.	standard units
SSURGO	Soil Survey Geographic
STORET	Storage and Retrieval
TMDL	total maximum daily load
TSS	total suspended solids
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
USLE	Universal Soil Loss Equation
WLA	Waste Load Allocation

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Section 1

Goals and Objectives for the Salt Creek 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 water body can receive and still meet water quality standards. TMDLs are a requirement of Section 303(d) of the Clean Water Act (CWA). To meet this requirement, the Illinois Environmental Protection Agency (Illinois EPA) must identify water bodies not meeting water quality standards and then establish TMDLs for restoration of water quality. Illinois EPA develops a list known as the 303(d) list of water bodies not meeting water quality standards every two years, and it is included in the Integrated Water Quality Report. Water bodies on the 303(d) list are then targeted for TMDL development. Water bodies listed as impaired in this TMDL report are from the most recent final 2018 Integrated Water Quality Report and 303(d) list that was approved by USEPA on March 19, 2021¹. In accordance with USEPA's guidance, the report assigns all waters of the state to one of five categories. 303(d) listed water bodies make up category five in the integrated report (Appendix A of the final 2018 Integrated Water Quality Report).

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

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

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

Water quality standards consist of three elements:

- The designated beneficial use or uses of a water body or segment of a water body;
- The water quality criteria necessary to protect the use or uses of that particular water body; and

¹ <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>

- 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.

1.2 TMDL Goals and Objectives for the Salt Creek 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

Illinois EPA uses the US Geologic Survey (USGS) 10-digit hydrologic unit code (HUC) to group subbasins into TMDL watersheds. This report addresses Stage 1 TMDL development for the Salt Creek watershed (HUC 0512011402). Stages 2 and 3 will be conducted upon completion of Stage 1. Stage 2 is optional as data collection may not be necessary if additional data are not required to establish the TMDL.

Following this process, the TMDL goals and objectives for the Salt Creek watershed will include developing TMDLs for all impaired water bodies within the watershed, describing all of the necessary elements of the TMDL, developing a watershed-based plan (WBP) for each TMDL, and gaining public acceptance of the process. The following impaired water body segments in the Salt Creek watershed are addressed in this report:

- Second Salt Creek (CPD-01)
- Second Salt Creek (CPD-03)
- Second Salt Creek (CPD-04)
- First Salt Creek (CPC-TU-C1)
- Salt Creek (CP-04)
- Salt Creek (CP-EF-C2)
- Salt Creek (CP-EF-C4)
- Salt Creek (CP-TU-C3)

The eight impaired water body segments are shown on **Figure 1-1** and TMDLs and/or percent reduction goals will be developed for each segment and parameter. **Table 1-1** lists the water body segment and potential causes and sources of impairment.

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Table 1-1 Impaired Water Bodies in the Salt Creek Watershed

Segment ID	Segment Name	Potential Causes of Impairment	Designated Use	Potential Sources (as identified by the 2018 303(d) list)
CPD-01	Second Salt Creek	Manganese	Aquatic Life	Source Unknown, Natural Sources
		<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Livestock
CPD-03	Second Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Crop Production
CPD-04	Second Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Crop Production
CPC-TU-C1	First Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production
CP-04	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Crop Production, Agriculture
CP-EF-C2	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production, Urban Runoff/Storm Sewers
CP-EF-C4	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production, Urban Runoff/Storm Sewers
CP-TU-C3	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production

Causes of Impairment have numeric water quality standards and TMDLs will be developed.

Italicized Causes of Impairment do not have numeric water quality standards and reduction goals will be applied as directed by Illinois EPA. WBPs will be developed where appropriate.

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

The TMDL for the segments listed above will specify the following elements:

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

These elements are combined into the following equation:

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

TMDLs will be developed that include an LC, reductions needed to meet the LC, a MOS and, where applicable, an RC. TMDL development will also take 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 TMDLs and load reduction goals will be achieved and will be described in the WBP. The WBP for the Salt Creek watershed will describe how water quality standards and goals will be met and attained. This WBP will include recommendations for implementing best management practices (BMPs), cost estimates, institutional needs to implement BMPs and controls throughout the watershed, and a timeframe for completion of implementation activities.

1.3 Report Overview

The remaining sections of this report contain:

- **Section 2 Salt Creek Watershed Characteristics** provides a description of the watershed's location, topography, geology, land use, soils, population, and hydrology.
- **Section 3 Public Participation and Involvement** discusses public participation activities that will occur throughout TMDL development.
- **Section 4 Salt Creek Watershed Water Quality Standards** defines the water quality standards and water quality guidelines for the impaired water bodies.
- **Section 5 Salt Creek Watershed Data and Potential Pollutant Sources** presents the available water quality data needed to develop TMDLs and water quality goals, discusses the characteristics of the impaired stream segments in the watershed, and describes the point and nonpoint sources with potential to contribute to the watershed load.
- **Section 6 Approach to Developing TMDL and Identification of Data Needs** makes recommendations for the models and analysis that are needed for TMDL and WBP development and suggests segments for Stage 2 data collection.
- **Section 7 References**

Section 2

Salt Creek Watershed Description

2.1 Salt Creek Watershed Location

The Salt Creek watershed (HUC 0512011402 shown on Figure 1-1) is located in central Illinois and drains approximately 60,300 acres (94.2 square miles). Roughly 56,200 acres (93.2 percent of the total watershed) lie in Effingham County and 4,100 acres lie in Cumberland County (6.8 percent of the total watershed).

2.2 Topography

Topography is an important factor in watershed management as stream types, precipitation, and soil types can vary significantly with elevation. National Elevation Dataset¹ (NED) coverages containing 30-meter grid resolution elevation data are available from the U.S. Geological Survey (USGS) for each 1:24,000-topographic quadrangle in the United States. Elevation data for the Salt Creek watershed were obtained by overlaying the NED grid onto the geographic information system (GIS)-delineated watershed. **Figure 2-1** shows the elevations found within the watershed.

Elevation in the Salt Creek watershed ranges from approximately 650 feet above sea level in the north-central portion of the watershed to 465 feet above sea level where Salt Creek feeds into the Little Wabash River.

2.3 Land Use

Land use data for the Salt Creek watershed was extracted from the U.S. Department of Agriculture's (USDA) National Agriculture Statistics Service (NASS) 2018 Cropland Data Layer (CDL)². The CDL is a raster based, geo-referenced, crop-specific land cover data layer created to provide acreage estimates to the Agricultural Statistics Board for the state's major commodities and to produce digital, crop-specific, categorized geo-referenced output products. This information is made available to all agencies and to the public free of charge and represents the most accurate and up-to-date land cover datasets available at a national scale. The most recent available CDL dataset was produced in 2018 and includes 26 separate land use classes applicable to the watershed. The available resolution of the land cover dataset is 30 square meters.

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

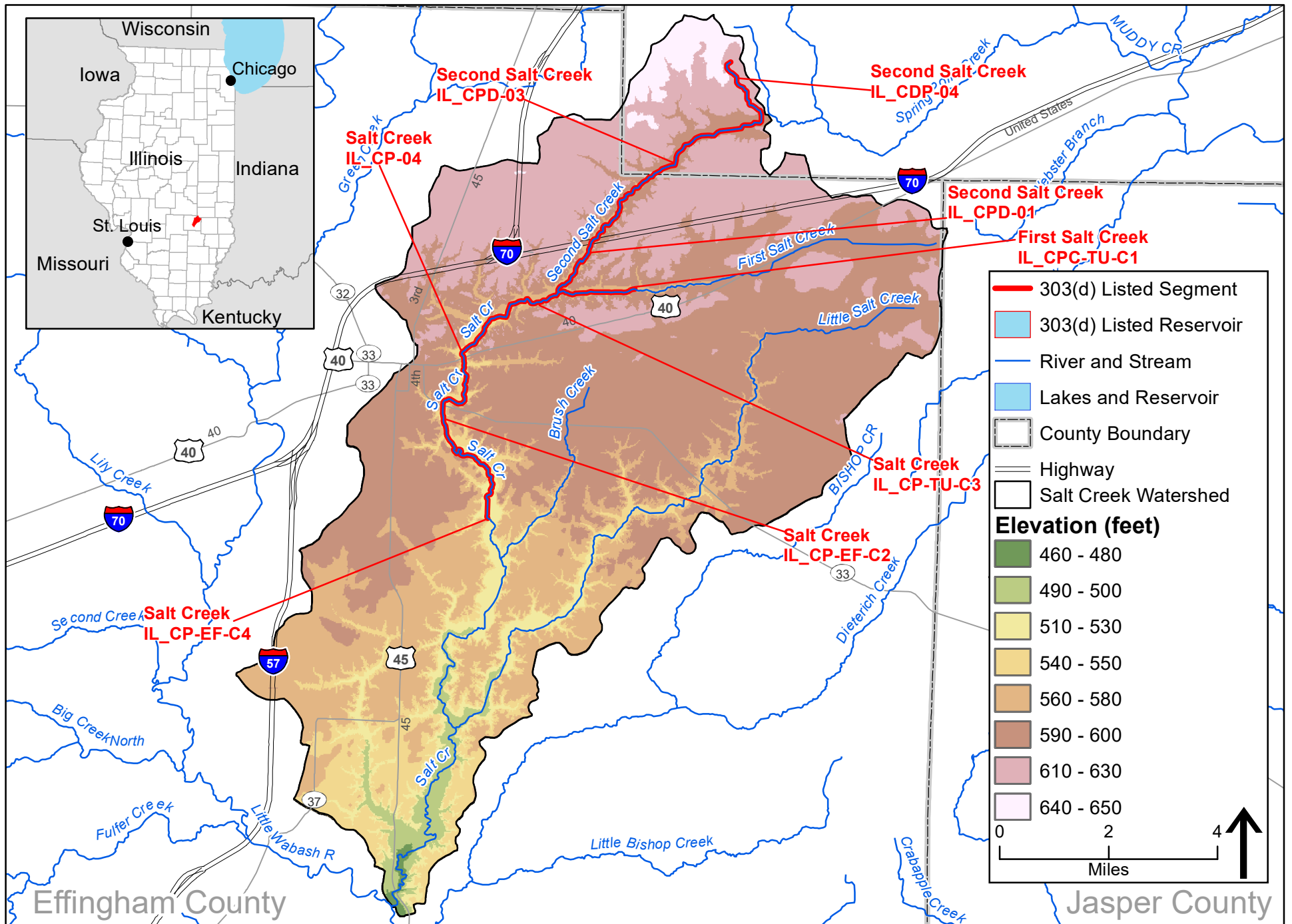
¹ <https://catalog.data.gov/dataset/usgs-national-elevation-dataset-ned>

² https://www.nass.usda.gov/Research_and_Science/Cropland/Release/index.php

Table 2-1 Land Cover and Land Use in the Salt Creek Watershed

USDA/NASS Land Use Cropland Category	Acres	Percentage
Soybeans	17,173	28.2%
Corn	15,149	24.9%
Deciduous Forest	12,082	19.8%
Grass/Pasture	5,598	9.2%
Developed/Open Space	5,303	8.7%
Developed/Low Intensity	2,531	4.2%
Developed/Medium Intensity	894	1.5%
Double Crop Winter Wheat/Soybeans	868	1.4%
Developed/High Intensity	408	0.7%
Winter Wheat	317	0.5%
Alfalfa	244	0.4%
All Others	346	0.6%
Total	60,913	100%

The land cover data reveal that 33,751 acres, representing 55.4 percent of the total watershed area, are devoted to agricultural activities. Corn and soybean make up 96% of the agricultural land use within the watershed. Forests and woodlands cover 19.8 percent of the watershed (12,082 acres). Approximately 15 percent of the watershed area (9,136 acres) is developed, urbanized land. Grasslands and pasture make up 9.2 percent of the area (5,598 acres) and the remainder (0.6 percent) of the watershed is wetland or open water.

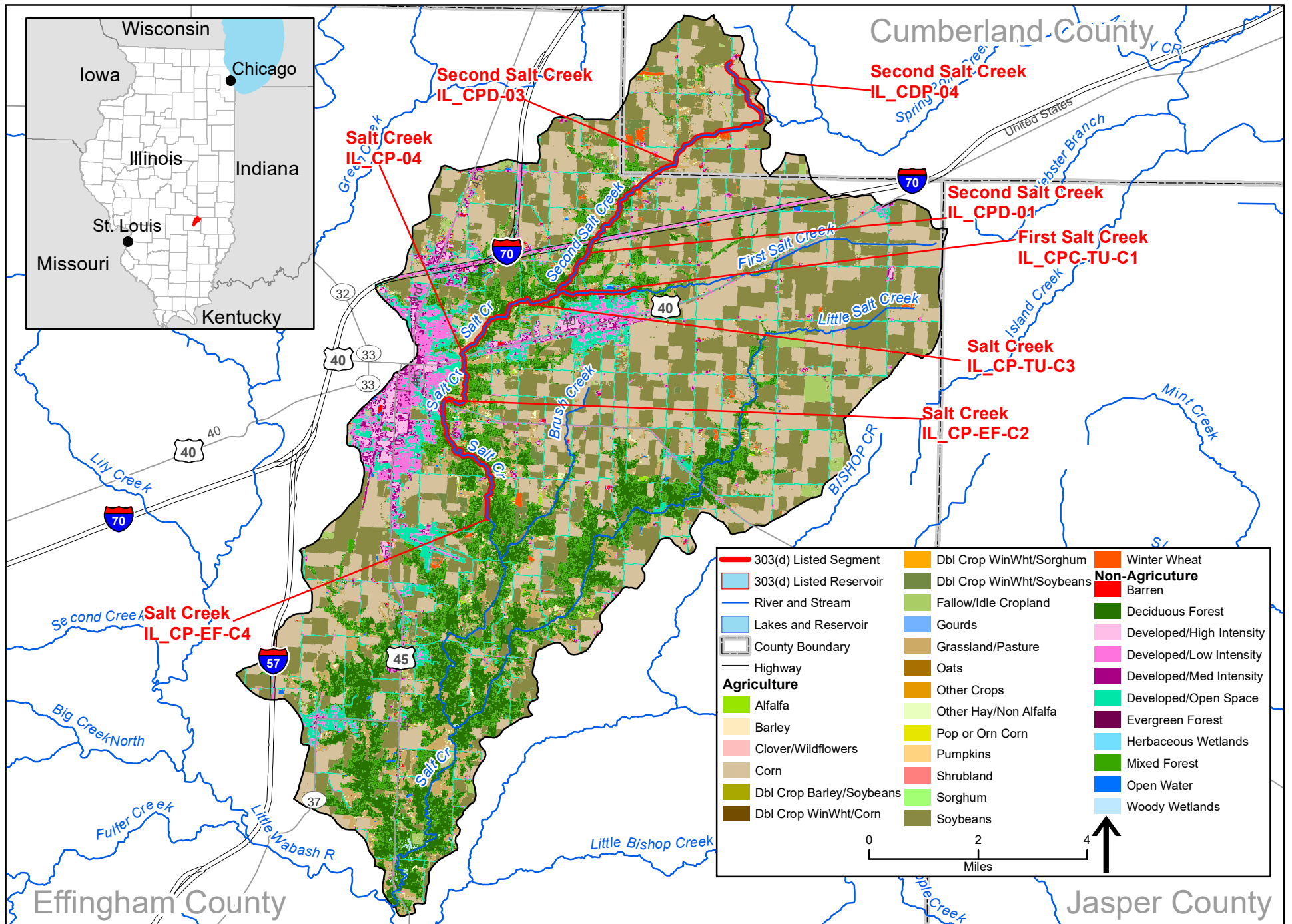


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Figure 2-1: Salt Creek Watershed Topography

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Figure 2-2: Salt Creek Watershed Land Use

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2.3.1 Subbasin Land Use

The subbasin area draining to the impaired segments were further delineated through GIS (see Figure 2-2). Land cover data was then intersected with the subbasin boundaries to determine the land uses contributing runoff to the impaired waterbodies, as shown in **Tables 2-2** through **2-9**. These tables include all land areas upgradient of the impaired segment, including areas draining more directly to upstream impaired segments within the watershed.

Table 2-2 Land Cover and Land Use in the Second Salt Creek (CPD-01) Subbasin

Land Cover Category	Area (Acres)	Percentage
Corn	2,274	33.2%
Soybeans	2,122	31.0%
Deciduous Forest	735	10.7%
Grass/Pasture	624	9.1%
Developed/Open Space	388	5.7%
Double Crop Winter Wheat/Soybeans	228	3.3%
Winter Wheat	185	2.7%
Alfalfa	116	1.7%
Developed/Low Intensity	109	1.6%
Developed/Medium Intensity	35	0.5%
All Others	40	0.6%
Total	6,856	100%

Table 2-3 Land Cover and Land Use in the Second Salt Creek (CPD-03) Subbasin

Land Cover Category	Area (Acres)	Percentage
Corn	1,988.3	38.6%
Soybeans	1,698.0	32.9%
Grass/Pasture	462.8	9.0%
Developed/Open Space	211.5	4.1%
Double Crop Winter Wheat/Soybeans	196.7	3.8%
Deciduous Forest	194.8	3.8%
Winter Wheat	176.6	3.4%
Alfalfa	114.6	2.2%
Developed/Low Intensity	47.3	0.9%
Developed/Medium Intensity	31.0	0.6%
Other Hay/Non Alfalfa	16.2	0.3%
All Others	18	0.4%
Total	5,156	100%

Table 2-4 Land Cover and Land Use in the Second Salt Creek (CPD-04) Subbasin

Land Cover Category	Area (Acres)	Percentage
Corn	1,315	45.0%
Soybeans	830	28.4%
Grass/Pasture	237	8.1%
Winter Wheat	143	4.9%
Double Crop Winter Wheat/Soybeans	117	4.0%
Alfalfa	108	3.7%
Developed/Open Space	95	3.3%
Deciduous Forest	30	1.0%
Developed/Low Intensity	15	0.5%
Developed/Medium Intensity	14	0.5%
All Others	16	0.5%
Total	2,920	100%

Table 2-5 Land Cover and Land Use in the First Salt Creek (CPC-TU-C1) Subbasin

Land Cover Category	Area (Acres)	Percentage
Corn	2,874	37.3%
Soybeans	2,785	36.2%
Developed/Open Space	716	9.3%
Deciduous Forest	457	5.9%
Grass/Pasture	360	4.7%
Developed/Low Intensity	342	4.4%
Double Crop Winter Wheat/Soybeans	65	0.8%
Developed/Medium Intensity	35	0.5%
All Others	64	0.8%
Total	7,698	100%

Table 2-6 Land Cover and Land Use in the Salt Creek (CP-04) Subbasin

Land Cover Category	Area (Acres)	Percentage
Soybeans	6,595	30.0%
Corn	6,491	29.6%
Developed/Open Space	2,295	10.5%
Deciduous Forest	2,279	10.4%
Grass/Pasture	1,682	7.7%
Developed/Low Intensity	1,322	6.0%
Developed/Medium Intensity	353	1.6%
Double Crop Winter Wheat/Soybeans	337	1.5%
Winter Wheat	214	1.0%
Alfalfa	134	0.6%
Developed/High Intensity	123	0.6%
All Others	127	0.6%
Total	21,952	100%

Table 2-7 Land Cover and Land Use in the Salt Creek (CP-EF-C2) Subbasin

Land Cover Category	Area (Acres)	Percentage
Soybeans	6,847	28%
Corn	6,608	27%
Developed/Open Space	2,820	11%
Deciduous Forest	2,735	11%
Developed/Low Intensity	1,972	7.9%
Grass/Pasture	1,868	7.5%
Developed/Medium Intensity	702	2.8%
Developed/High Intensity	377	1.5%
Double Crop Winter Wheat/Soybeans	374	1.5%
Winter Wheat	221	0.9%
Alfalfa	143	0.6%
All Others	149	0.6%
Total	24,816	100%

Table 2-8 Land Cover and Land Use in the Salt Creek (CP-EF-C4) Subbasin

Land Cover Category	Area (Acres)	Percentage
Soybeans	7,472	27.3%
Corn	7,043	25.7%
Deciduous Forest	3,595	13.1%
Developed/Open Space	2,979	10.9%
Grass/Pasture	2,223	8.1%
Developed/Low Intensity	2,018	7.4%
Developed/Medium Intensity	722	2.6%
Double Crop Winter Wheat/Soybeans	400	1.5%
Developed/High Intensity	383	1.4%
Winter Wheat	232	0.8%
Alfalfa	161	0.6%
All Others	163	0.6%
Total	27,391	100%

Table 2-9 Land Cover and Land Use in the Salt Creek (CP-TU-C3) Subbasin

Land Cover Category	Area (Acres)	Percentage
Corn	5,289	34.3%
Soybeans	5,071	32.9%
Deciduous Forest	1,485	9.6%
Developed/Open Space	1,219	7.9%
Grass/Pasture	1,096	7.1%
Developed/Low Intensity	493	3.2%
Double Crop Winter Wheat/Soybeans	293	1.9%
Winter Wheat	209	1.4%
Alfalfa	127	0.8%
Developed/Medium Intensity	79	0.5%
All Others	76	0.5%
Total	15,437	100%

2.4 Soils

Soils data are available through the Soil Survey Geographic (SSURGO) database³. For SSURGO data, field mapping methods using national standards are used to construct the soil maps. Mapping scales generally range from 1:12,000 to 1:63,360 making SSURGO the most detailed level of soil mapping done by the Natural Resources Conservation Service (NRCS).

Attributes of the spatial coverage can be linked to the SSURGO databases, which provide information on various chemical and physical soil characteristics for each map unit and soil series. Of particular interest for TMDL development are the hydrologic soil groups as well as the K-factor of the Universal Soil Loss Equation (USLE). The following sections describe and summarize the specified soil characteristics for the Salt Creek watershed.

³ <https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=IL>

2.4.1 Salt Creek Watershed Soil Characteristics

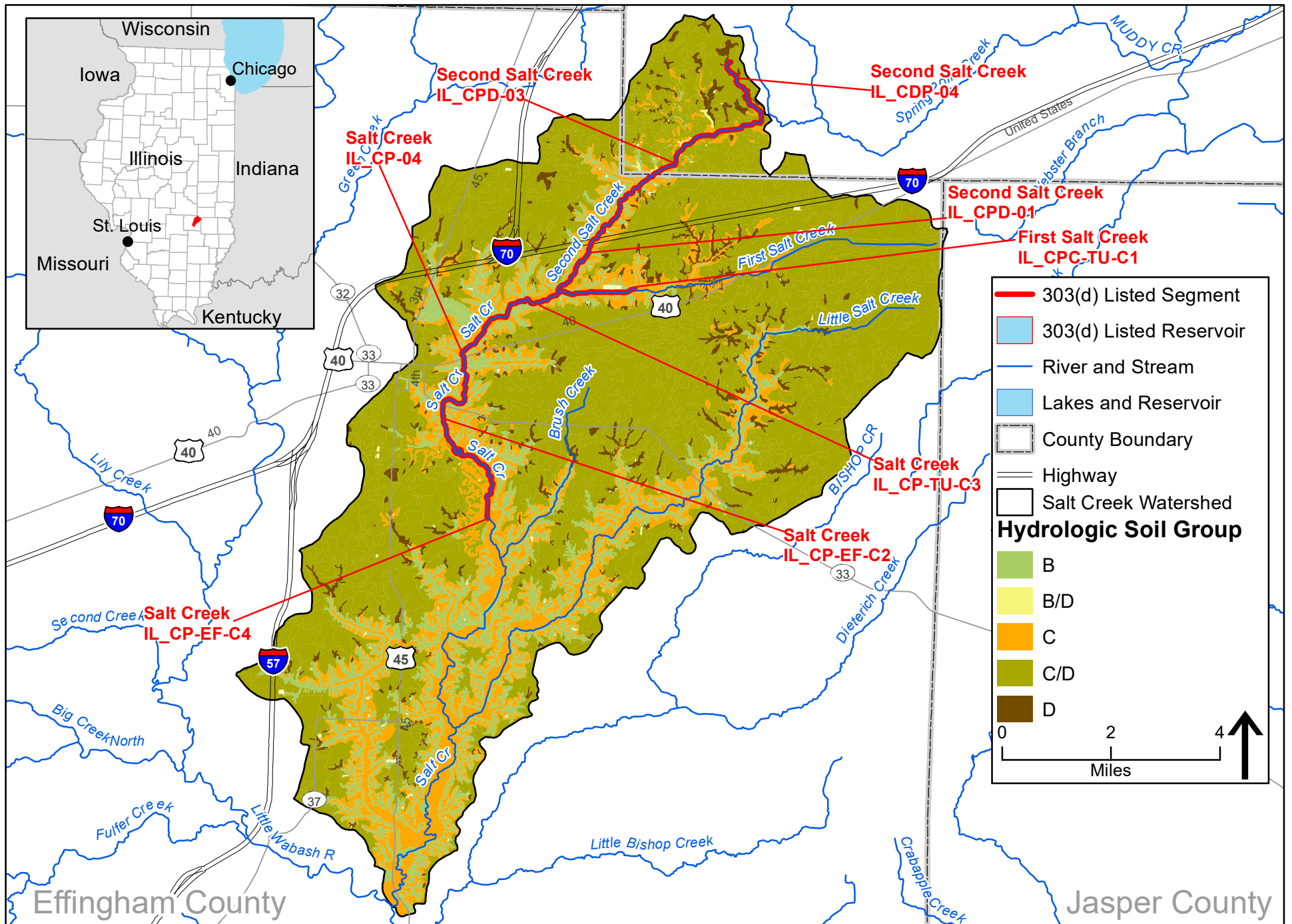
Appendix B contains a table of the SSURGO soil series for the Salt Creek watershed. A total of 49 soil types exist in the watershed. The most common type, Cisne silt loam (0 to 2 percent slopes), covers 24 percent of the watershed. The next most common types, Bluford silt loam (0 to 2 percent slopes), Ava silt loam (2 to 5 percent slopes), and Newberry silt loam (0 to 2 percent slopes) cover 10.7, 10.5, and 9.1 percent of the watershed, respectively. All other individual soil types each represent less than 8 percent of the total watershed area. The table in Appendix B also contains the area, dominant hydrologic soil group, and K-factor range. Each of these characteristics is described in more detail in the following paragraphs.

Figure 2-3 shows the hydrologic soils groups found within the Salt Creek watershed (NRCS 2007). Hydrologic soil groups are used to estimate runoff from precipitation. Soils are assigned to one of four groups according to the infiltration of water when the soils are thoroughly wet and receive precipitation from long-duration storms:

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

While hydrologic soil groups B, C, D, B/D, and C/D are all found within the Salt Creek watershed, group C/D soils are the most common type representing 62.5 percent of the watershed. Group C/D is a dual hydrologic soil group. Dual hydrologic soil groups can be adequately drained. The first letter applies to the drained condition and the second letter to the undrained condition. For the purpose of hydrologic soil group, adequately drained means that the seasonal high-water table is kept at 24 inches below the surface (NRCS 2007).

A commonly used soil attribute is the K-factor, which is a measure of soil erodibility and quantifies the relative susceptibility of soil to sheet and rill erosion. Values of K range from 0.02 to 0.64, from least erodible to most erodible, respectively, and are influenced by elements including texture, organic matter content, structure, and saturated hydraulic conductivity (NRCS 2011). The distribution of K-factor values in the Salt Creek watershed range from 0.28 to 0.55, as shown in **Figure 2-4**.

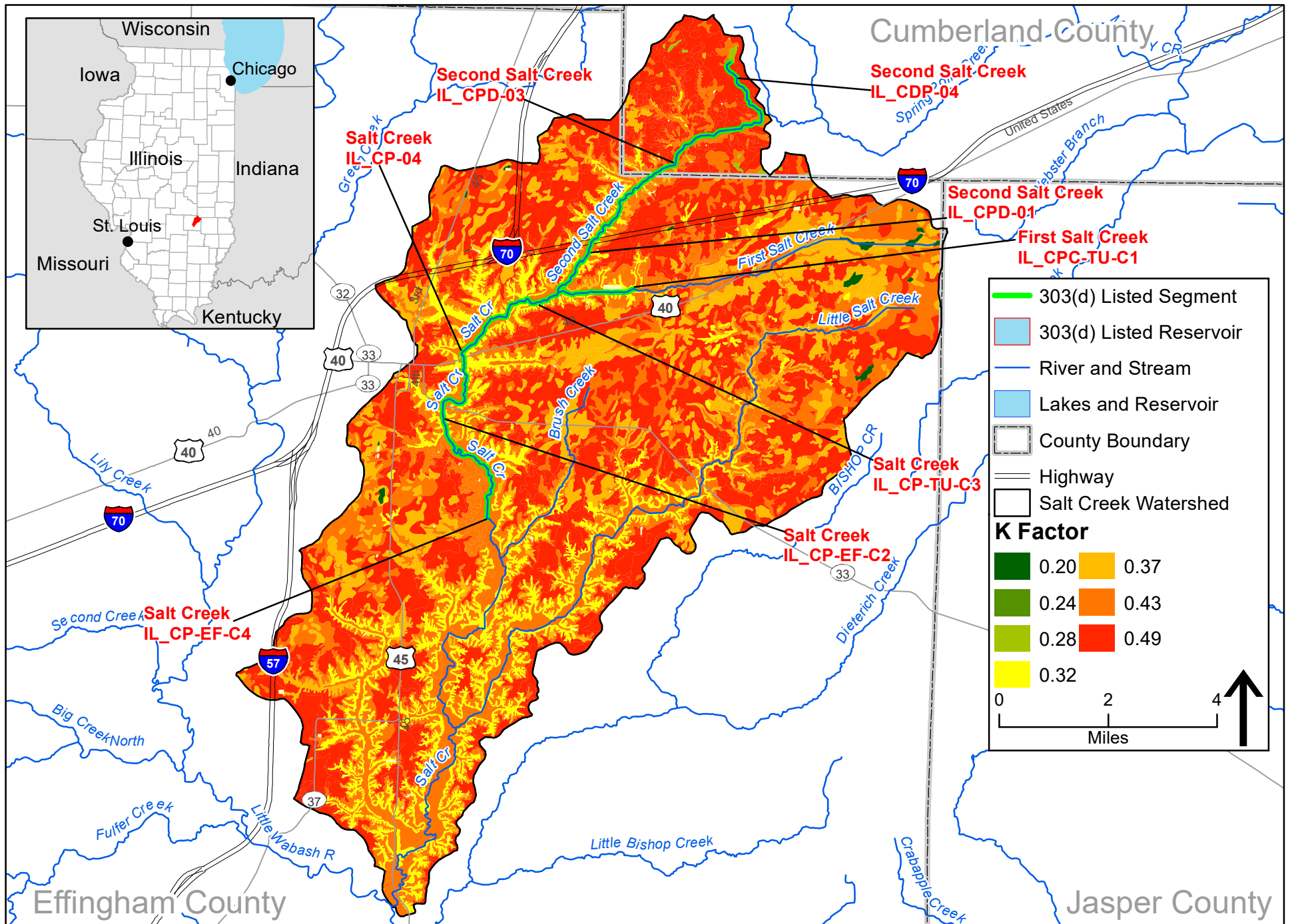


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Figure 2-3: Salt Creek Watershed Hydrologic Soil Groups

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Figure 2-4: Salt Creek Watershed Soil K-Factor Ranges

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2.5 Population

The Census TIGER/Line data⁴ from the U.S. Census Bureau were retrieved (Census 2015). Geographic shapefiles of census block groups⁵ were downloaded for the entire state of Illinois. All census block groups that have geographic center points (centroids) within the watershed were selected and tallied in order to provide an estimate of populations in all census blocks both completely and partially contained by the watershed boundary. Given that the optimal size of a census block group is 1,500 people, and 8 block group centroids are located within the watershed, it is estimated that approximately 12,000 people reside in the Salt Creek watershed. The major municipality in the watershed is shown in Figure 1-1. The largest urban development in the watershed is the city of Effingham, approximately half of which lies outside of the watershed, with a population of approximately 12,600.

2.6 Climate and Streamflow

2.6.1 Climate

Central Illinois has a temperate climate with hot summers and cold, moderately snowy winters. Monthly temperature and precipitation data from Effingham, Illinois (Station ID USC00112687) were extracted from the National Centers for Environmental Information (NCEI) database⁶ for the years 1893 through 2019. Although there are no climate stations located within the Salt Creek watershed, this station is located less than 4 miles to the west and was selected due to its proximity to the watershed and completeness of its dataset. **Table 2-10** contains the average monthly precipitation along with average high and low temperatures for the period of record. The average annual precipitation is approximately 40 inches. May and June are historically the wettest months while January and February are the driest. July is historically the warmest month, with an average maximum temperature of 89 °F, while January is typically the coldest month, with an average minimum temperature of 20 °F.

Table 2-10 Average Monthly Climate Data for Effingham, Illinois

Month	Average Total Precipitation (inches)	Average Daily Maximum Temperature (°F)	Average Daily Minimum Temperature (°F)
January	2.4	37.5	20.0
February	2.2	41.1	22.5
March	3.5	52.4	32.0
April	3.8	65.5	42.6
May	4.5	75.4	52.2
June	4.6	84.8	61.5
July	3.6	88.8	65.1
August	3.3	87.1	63.0
September	3.2	80.8	55.6
October	3.0	68.7	44.3
November	3.3	53.5	33.6
December	2.9	41.1	24.3
Average	40.3*	64.7	43.1

*Average Annual Precipitation

⁴ <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>

⁵ <https://www.census.gov/geographies/reference-maps/2010/geo/2010-census-block-maps.html>

⁶ <https://www.ncdc.noaa.gov/cdo-web/datatools/findstation>

2.6.2 Streamflow

Analysis of the Salt Creek watershed requires an understanding of flow throughout the drainage area. There are no USGS stream gages⁷ within the watershed; however, one gage is located nearby in an adjacent watershed with similar characteristics to that of the Salt Creek watershed, as shown in **Figure 2-5** (USGS 2019). **Table 2-11** summarizes the information from this station.

Table 2-11 Streamflow Gages in the Salt Creek Watershed

Gage Number	Name	Drainage Area (mi ²)	Approximate Distance from Salt Watershed (mi)	POR	Minimum Monthly Mean Flow (cfs)	Maximum Monthly Mean Flow (cfs)
03378635	Little Wabash River near Effingham	240	1.5	1966-2020	52	421

The gage shown in Table 2-11, given its location adjacent to the Salt Creek watershed, may be used to estimate flow values for TMDL development for the impaired waterbodies in the Salt Creek watershed using the drainage area ratio method, represented by the following equation:

$$Q_{\text{gaged}} \left(\frac{\text{Area}_{\text{ungaged}}}{\text{Area}_{\text{gaged}}} \right) = Q_{\text{ungaged}}$$

where Q_{gaged} = Streamflow of the gaged basin
 Q_{ungaged} = Streamflow of the ungaged basin
 $\text{Area}_{\text{gaged}}$ = Area of the gaged basin
 $\text{Area}_{\text{ungaged}}$ = Area of the ungaged basin

The assumption behind the equation is that the flow per unit area is equivalent in watersheds with similar characteristics. Therefore, the flow per unit area in the gaged watershed multiplied by the area of the ungaged watershed estimates the flow for the ungaged watershed.

Data downloaded through the USGS for the surrogate gage for the available period of record will be adjusted to account for point source influence in the watershed upstream of the gaging station. Average daily flows from all National Pollutant Discharge Elimination System (NPDES) permitted facilities upstream of the surrogate USGS gages are 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 Salt Creek watershed can then be added back into the equation to more accurately reflect estimated daily streamflow conditions in a given segment.

⁷ https://waterdata.usgs.gov/IL/nwis/current/?type=dailydischarge&group_key=basin_cd

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Section 3

Salt Creek Watershed Public Participation

3.1 Salt Creek Watershed Public Participation and Involvement

Public knowledge, acceptance, and follow-through are necessary to implement a plan to meet recommended TMDLs and WBPs. 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 CDM Smith, will hold a public meeting for the Salt Creek watershed at the completion of Stages 1 and 3. Comments received through the public meeting process will be included in an appendix. This section will be updated following each public meeting.

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Section 4

Salt Creek Water Quality Standards and Guidelines

4.1 Illinois Water Quality Standards

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

Illinois EPA is also responsible for developing scientifically based water quality criteria and proposing them to the IPCB for adoption into state rules and regulations. The Illinois water quality standards are established in the Illinois Administrative Rules Title 35, Environmental Protection; Subtitle C, Water Pollution; Chapter I, Pollution Control Board; Part 302, Water Quality Standards¹.

4.2 Designated Uses

The waters of Illinois are classified into four primary categories of narrative and numeric water quality standards for surface waters, which include: General Use Standards, Public and Food Processing Water Supplies Standards, Secondary Contact and Indigenous Aquatic Life Standards, and Lake Michigan Basin Water Quality Standards². Segments CPD-01, CPD-03, and CPD-04 of Second Salt Creek; CPC-TU-C1 of First Salt Creek; and CP-04, CP-EF-C2, CP-EF-C4, and CP-TU-C3 of Salt Creek are impaired for total phosphorus for the aquatic life designated use under the General Use Standard. Segment CPD-01 of Second Salt Creek is also impaired for manganese for the aquatic life designated use under the General Use Standard.

4.2.1 General Use

The General Use classification is defined by IPCB as standards that "are intended to protect aquatic life, wildlife, agricultural, primary contact, secondary contact, and most industrial uses." They are also intended to "ensure the aesthetic quality of the state's aquatic environment and to protect human health from disease or other harmful effects that could occur from ingesting aquatic organisms taken from surface waters of the state."

4.3 Water Quality Criteria

According to the Illinois EPA Integrated Report², aquatic life use assessments in streams are typically based on the interpretation of biological information, physiochemical water data, and physical habitat. The primary biological measures used are the fish Index of Biotic Integrity (fIBI), the macroinvertebrate Index of Biotic Integrity (mIBI), and the

¹ <http://www.ilga.gov/commission/jcar/admincode/035/03500302sections.html>

² <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>

Macroinvertebrate Biotic Index (MBI). Physical habitat information used in assessments includes quantitative and qualitative measures of stream bottom composition and qualitative descriptors of channel and riparian conditions. Physiochemical water data used include measures of “conventional” parameters (e.g. dissolved oxygen [DO], pH, and temperature), priority pollutants, non-priority pollutants, and other pollutants.

Table 4-1 presents the numeric water quality standards of the potential causes of impairment for Second Salt Creek, First Salt Creek, and Salt Creek in the Salt Creek watershed. Only constituents with numeric water quality standards will have TMDLs developed at this time.

Table 4-1 Summary of Numeric Water Quality Standards for Potential Causes of Stream Impairments in the Salt Creek Watershed

Parameter	Units	General Use Water Quality Standard	Regulatory Reference
Manganese (dissolved)	µg/L	Acute = $e^{A+B \ln(H)} \times 0.9812^*$ where A = 4.9187 and B = 0.7467 Chronic = $e^{A+B \ln(H)} \times 0.9812^*$ where A = 4.0635 and B = 0.7467	302.208(e)

µg/L = micrograms per liter

H = hardness

* = Conversion factor multiplier for dissolved metals

4.4 Illinois Nutrient Loss Reduction Strategy

In addition to the water quality standards provided above, the Illinois EPA has also established water quality guidelines for nutrients in accordance with the Illinois Nutrient Loss Reduction Strategy (NLRS)³. The NLRS was developed in response to hypoxia in the Gulf of Mexico and all 12 states within the Mississippi River Basin were called upon by the USEPA to reduce nutrient loads flowing into the Mississippi River. Water quality goals will be incorporated into the WBPs based on the NLRS, which calls for an overall 45% load reduction of total phosphorus leaving the state of Illinois, and an interim target of 25% load reduction by 2025. A WBP will be developed for all stream segments listed as impaired by total phosphorus using the interim total phosphorus load reduction goal of 25%. The WBP for the Salt Creek watershed will include a comprehensive suite of best management practices (BMPs) for reducing loads from identified watershed sources.

4.5 Potential Pollutant Sources

In order to properly address the conditions within the Salt Creek watershed, potential pollutant sources must be investigated for the pollutants where TMDLs will be developed.

Table 4-2 summarizes the potential sources associated with the listed impairments in the 2018 303(d) list for each of the impaired segments in this watershed.

³ <https://www2.illinois.gov/sites/agr/Resources/NutrientLoss/Pages/default.aspx>

Table 4-2 Impaired Water Bodies in the Salt Creek Watershed

Segment ID	Segment Name	Potential Causes of Impairment	Designated Use	Potential Sources (as identified by the 2018 303(d) list)
CPD-01	Second Salt Creek	Manganese	Aquatic Life	Source Unknown, Natural Sources
		<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Livestock
CPD-03	Second Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Crop Production
CPD-04	Second Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Animal Feeding Operations, Crop Production
CPC-TU-C1	First Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production
CP-04	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Crop Production, Agriculture
CP-EF-C2	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production, Urban Runoff/Storm Sewers
CP-EF-C4	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production, Urban Runoff/Storm Sewers
CP-TU-C3	Salt Creek	<i>Phosphorus (Total)</i>	Aquatic Life	Municipal Point Source Discharges, Crop Production

Causes of Impairment have numeric water quality standards and TMDLs will be developed.

Causes of Impairment do not have numeric water quality standards and a WBP will be developed where water quality targets have been developed.

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Section 5

Salt Creek Watershed Data and Potential Pollution Sources

In order to further characterize the Salt Creek watershed, a wide range of pertinent data were collected and reviewed. Water quality data for streams, and information on potential point and nonpoint sources within the watershed, were compiled from a variety of data sources. This information is presented and discussed in further detail in the remainder of this section.

5.1 Water Quality Data

Illinois EPA monitoring programs that contribute data to the assessment of streams include the Ambient Water Quality Monitoring Network, the Pesticide Monitoring Subnetwork, Facility-Related Stream Surveys, Intensive Basin Surveys, and the Fish Contaminant Monitoring Program¹. Much of the data used for this report came from Intensive Basin Surveys, which are typically conducted on a 5-year cycle and focus on basins where intensive data are currently lacking or where historical data need updating. Additional information on Illinois EPA's monitoring programs can be found in the "Illinois Water Monitoring Strategy²."

Data from a total of 19 historic water quality stations on, or upgradient of, the impaired stream segments within the Salt Creek watershed were located and reviewed for this report. These water quality data were provided by the Illinois EPA. **Figure 5-1** shows all the known water quality data stations within the watershed that may contain data relevant to the impaired segment. **Figures 5-2** through **5-9** show the subbasins draining to each impaired segment. These figures include land use/land cover data that were presented in Section 2.3.1 and show the locations of permitted discharges (further discussed in Section 5.3).

The impaired water body segments in the Salt Creek watershed were presented in Section 1. The data summaries provided in this section includes all available date ranges of collected data.

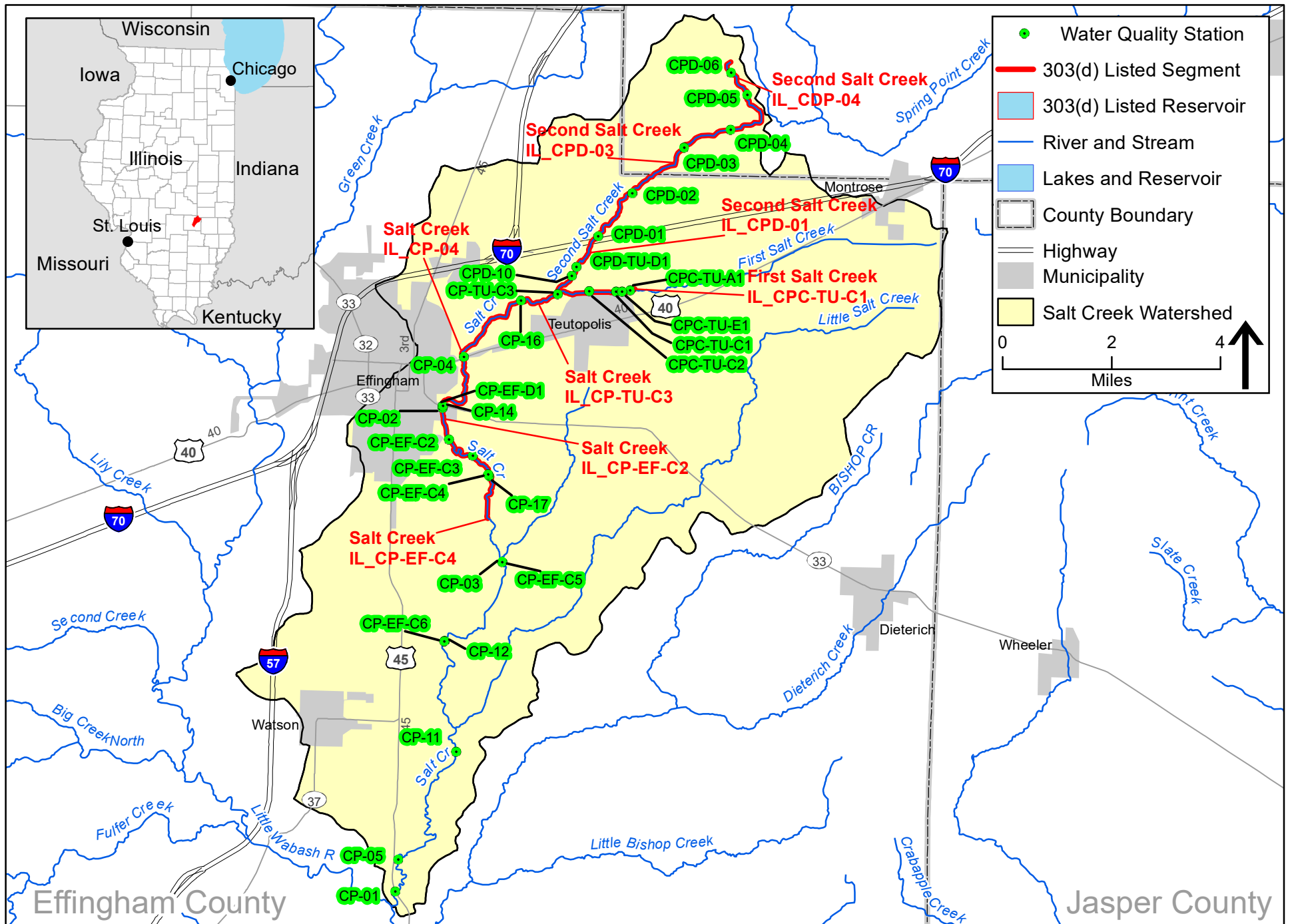
5.1.1 Stream Water Quality Data

Eight impaired stream segments exist within the Salt Creek watershed. The data summarized in this section include water quality data for the impaired constituents (manganese and TP). All historical water quality data for the impaired segments in the Salt Creek watershed are available in Appendix C and additional water quality data for other parameters may be used during Stage 3 TMDL development to support modeling efforts.

¹ <https://www2.illinois.gov/epa/topics/water-quality/monitoring/Pages/river-and-stream.aspx>

² <https://www2.illinois.gov/epa/Documents/epa.state.il.us/water/water-quality/monitoring-strategy/monitoring-strategy-2015-2020.pdf>

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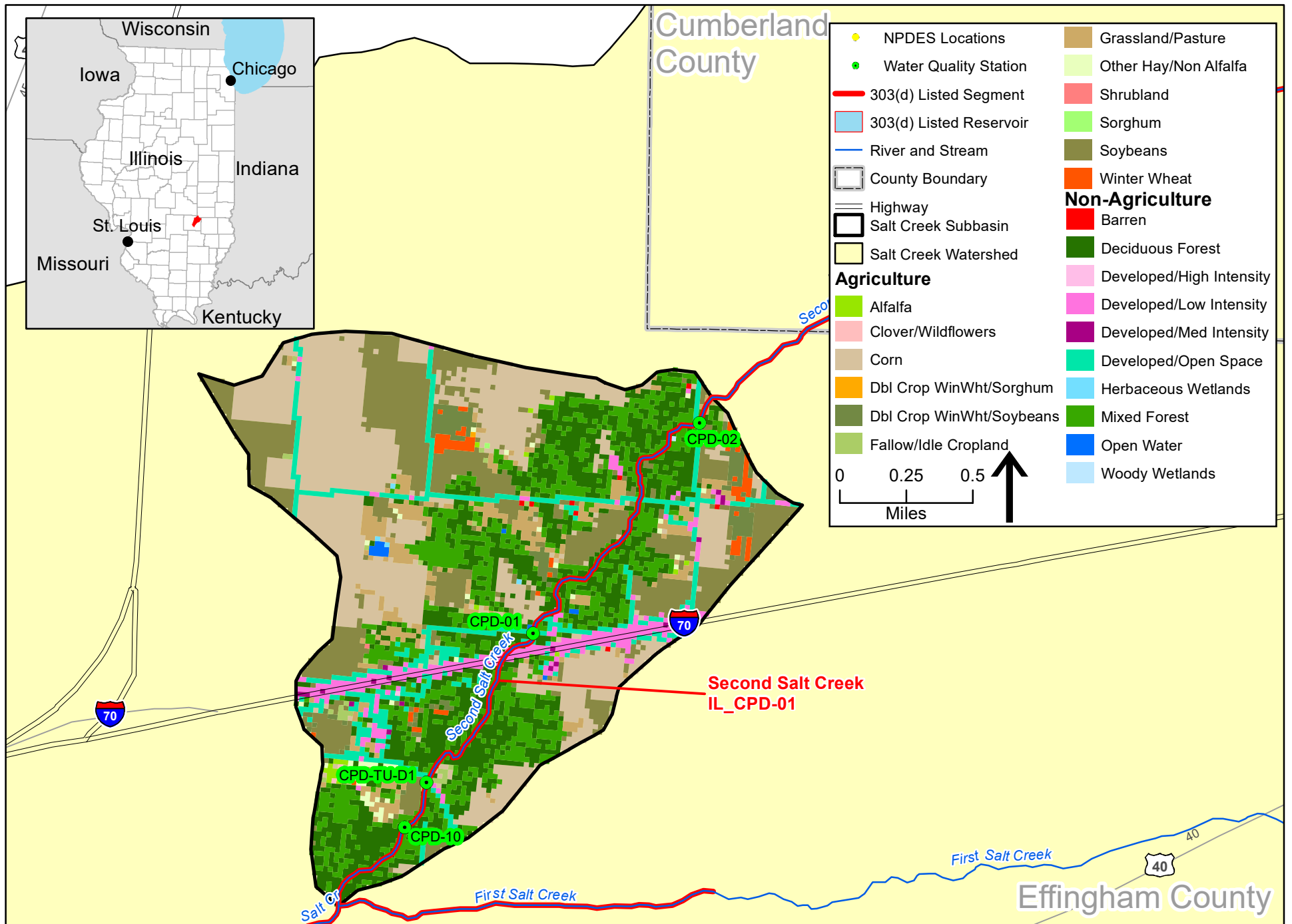


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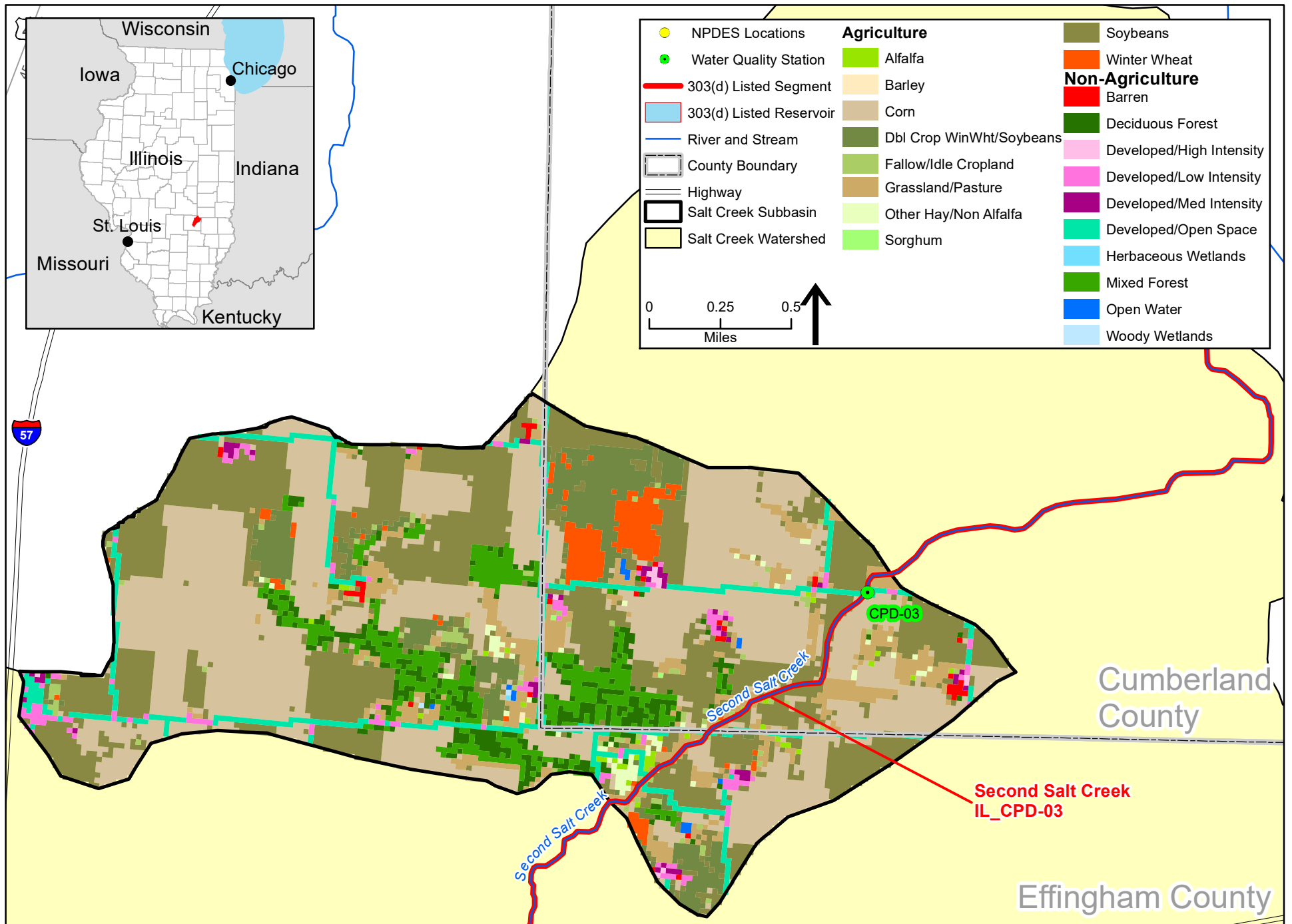
Figure 5-1: Salt Creek Watershed Water Quality Stations

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**Figure 5-2: Salt Creek Watershed
Second Salt Creek (CPD-01) WQ Stations and Land Use**

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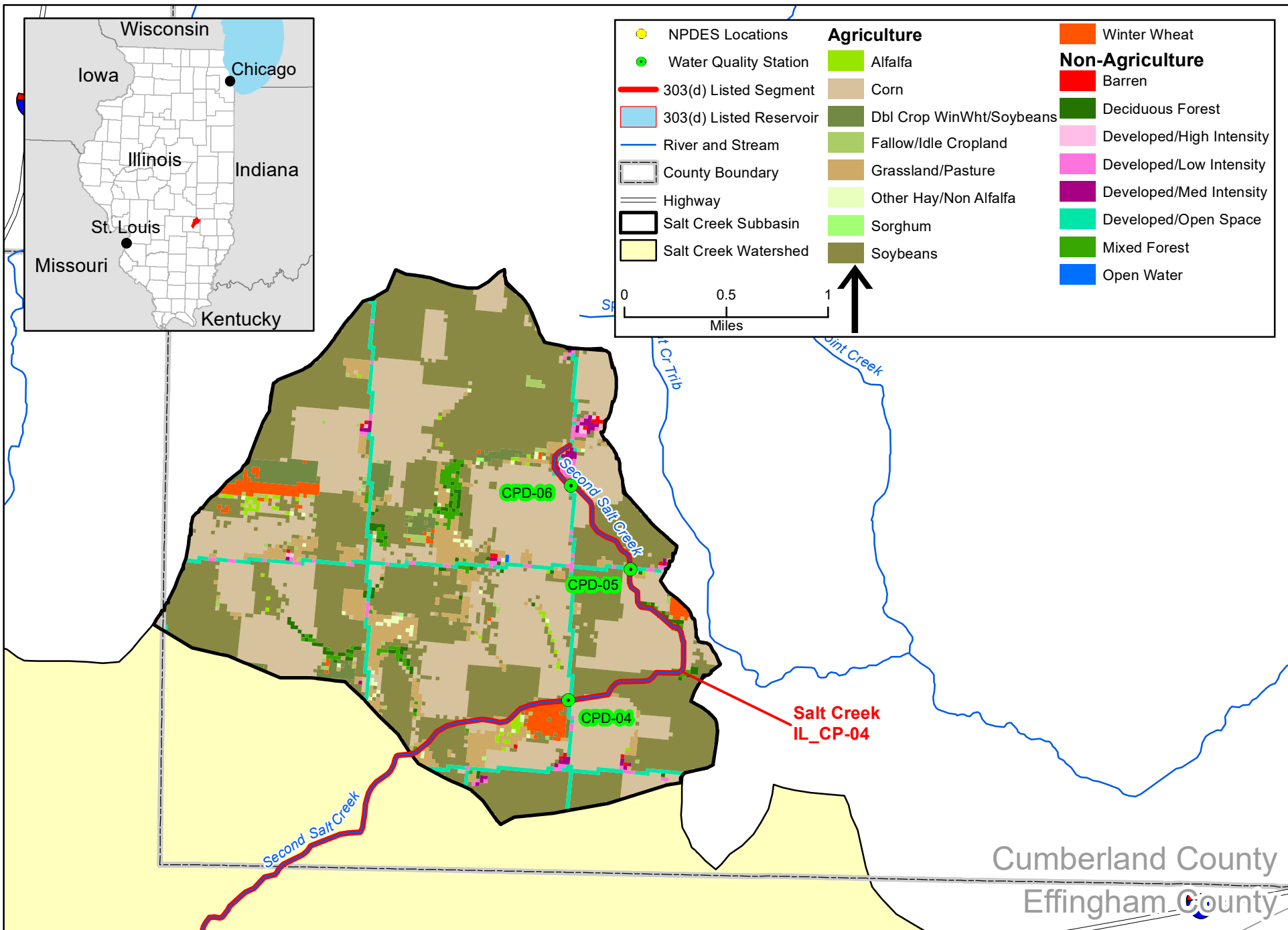


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Figure 5-3: Salt Creek Watershed
Second Salt Creek (CPD-03) WQ Stations and Land Use

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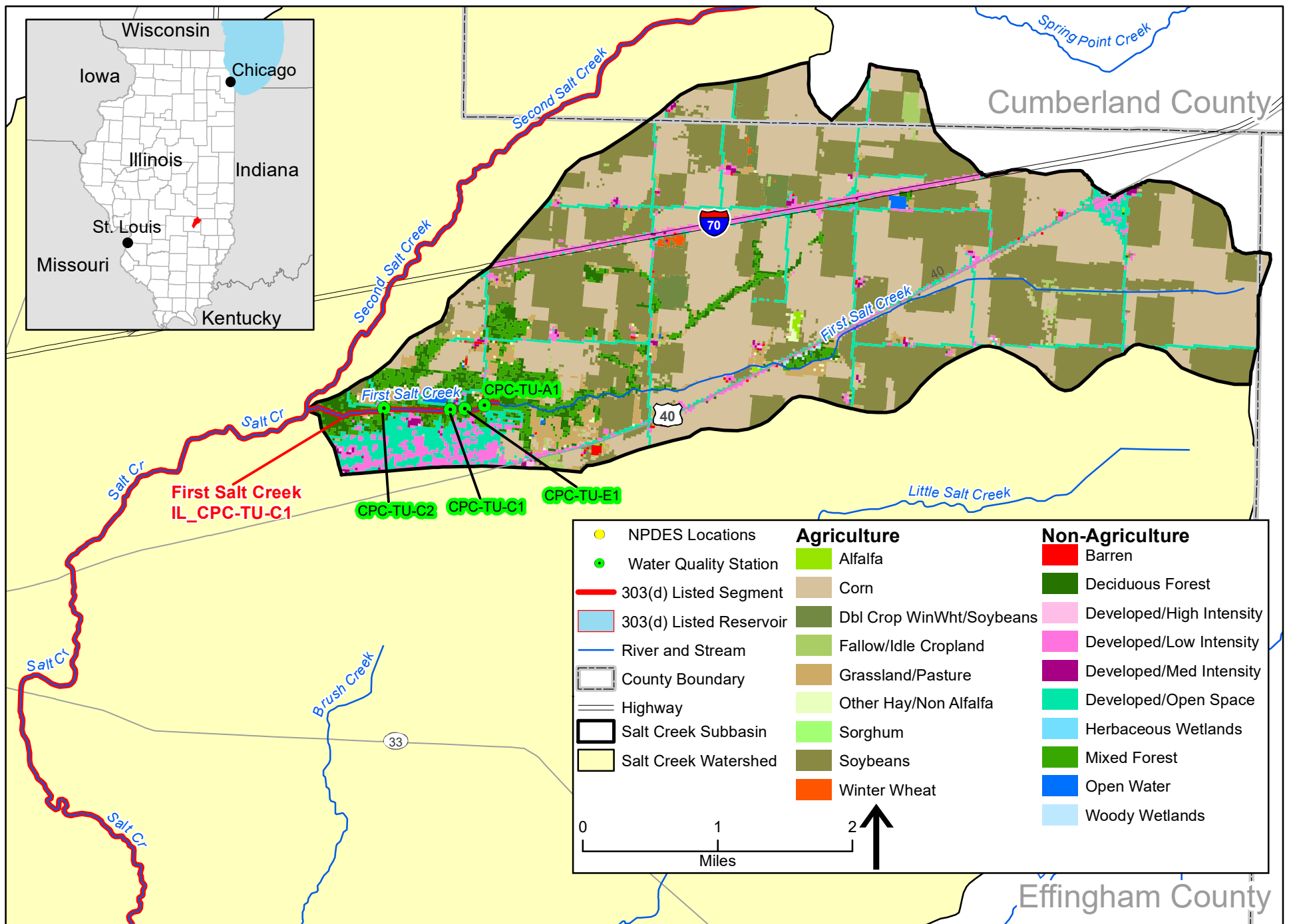


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Figure 5-4: Salt Creek Watershed
Second Salt Creek (CPD-04) WQ Stations and Land Use

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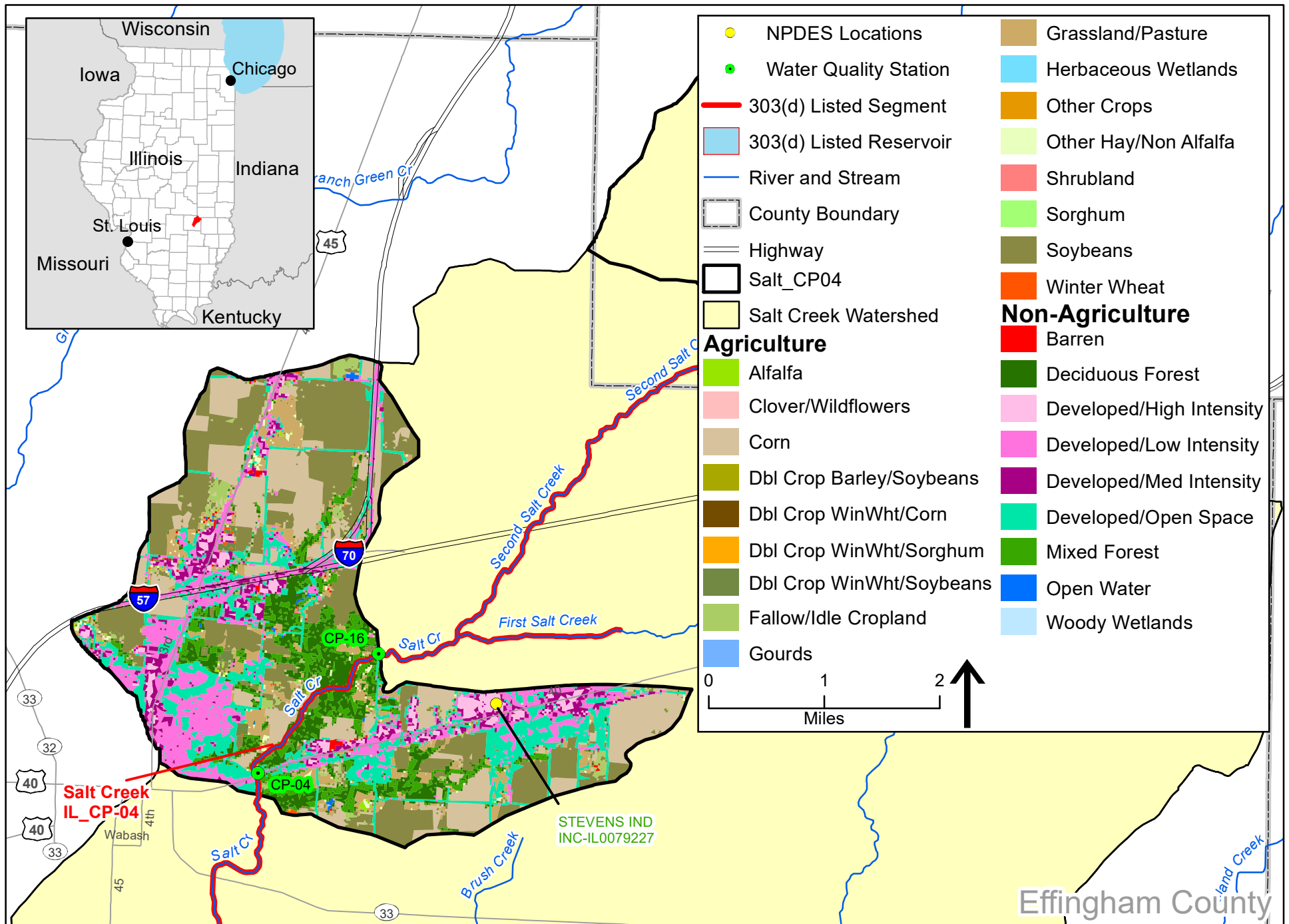


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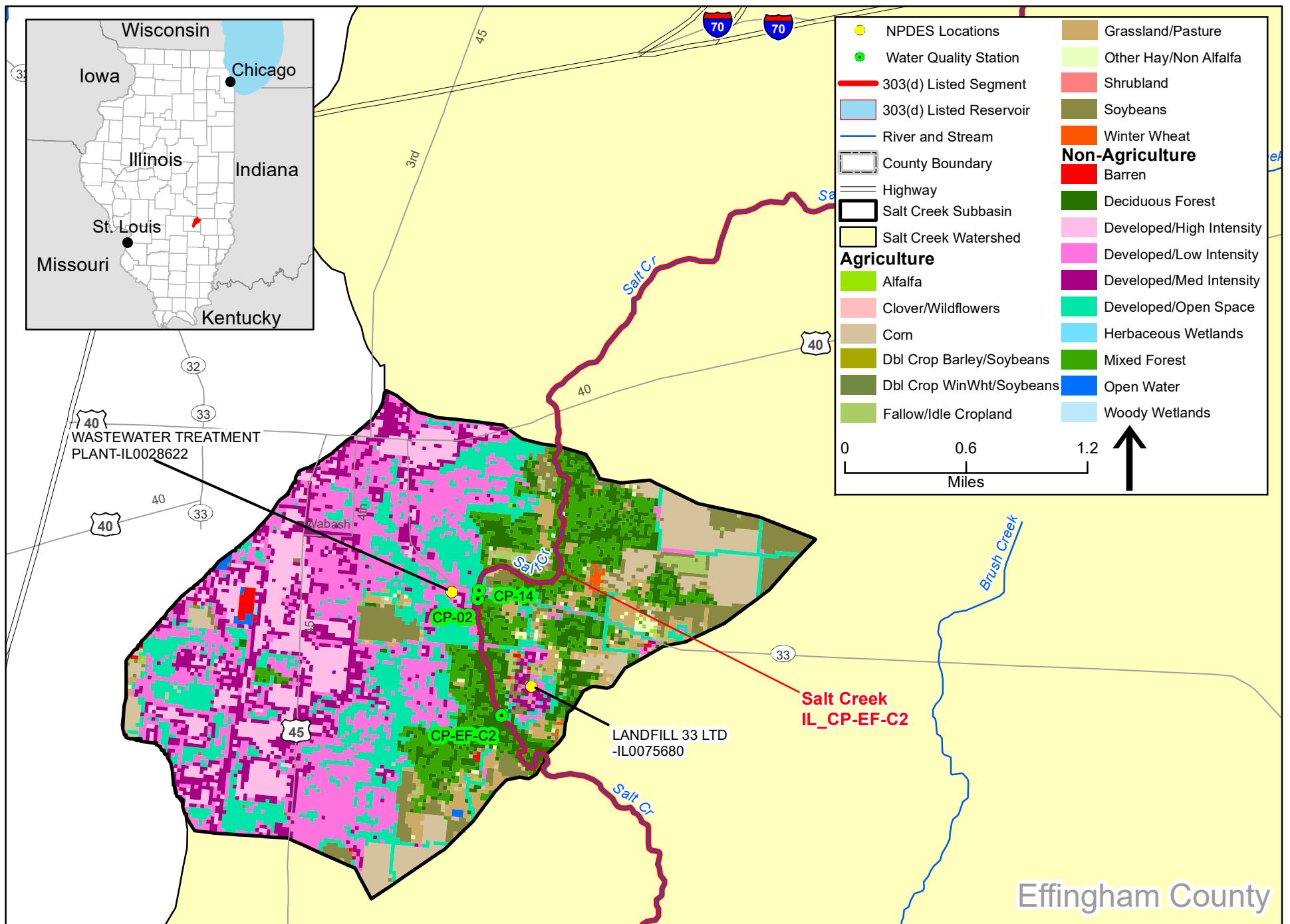
Figure 5-5: Salt Creek Watershed First Salt Creek (CPC-TU-C1) WQ Stations and Land Use

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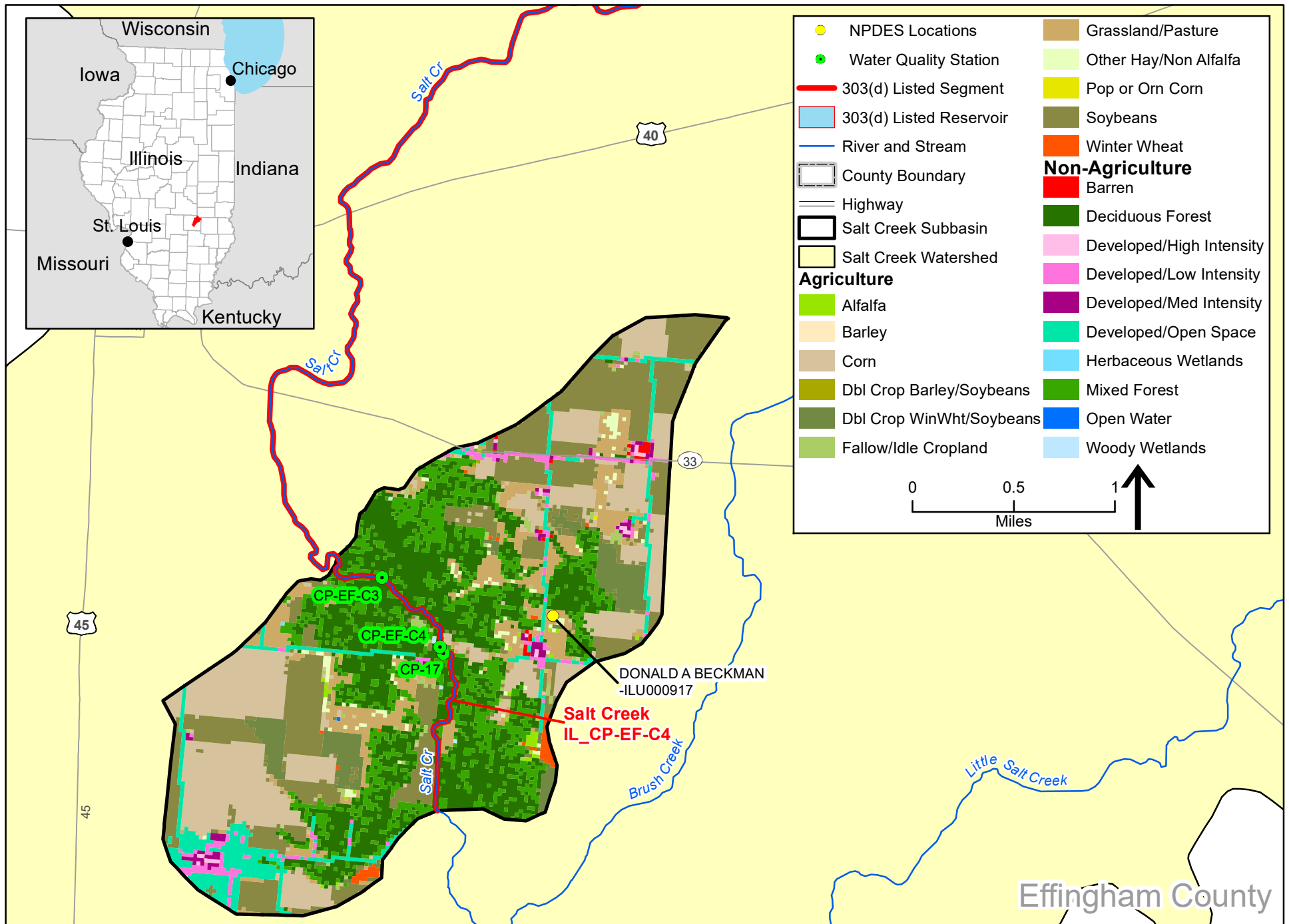
**Figure 5-6: Salt Creek Watershed
Salt Creek (CP-04) WQ Stations and Land Use**

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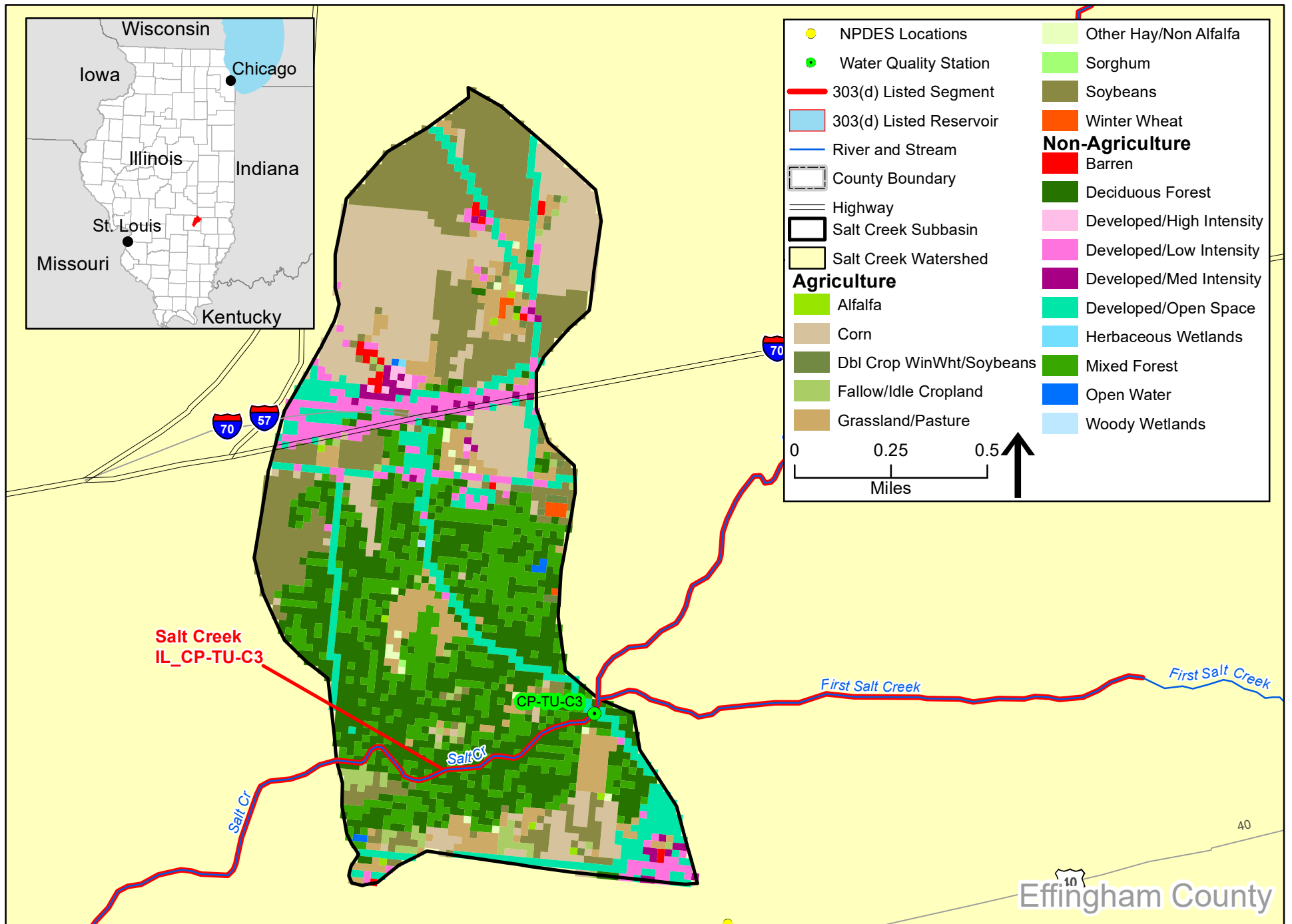
**Figure 5-7: Salt Creek Watershed
Salt Creek (CP-EF-C2) WQ Stations and Land Use**

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**Figure 5-8: Salt Creek Watershed
 Salt Creek (CP-EF-C4) WQ Stations and Land Use**

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**Figure 5-9: Salt Creek Watershed
 Salt Creek (CP-TU-C3) WQ Stations and Land Use**

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5.1.1.1 Dissolved Manganese

Second Salt Creek segment CPD-01 is listed for impairment of aquatic life use caused by elevated dissolved manganese concentrations. **Table 5-1**, along with **Figure 5-10**, summarizes the available historical dissolved manganese data for this segment. Both the acute and chronic general use water quality standards for dissolved manganese are calculated standards that vary with the total hardness of the sampled water.

Table 5-1 Existing Dissolved Manganese Data for Second Salt Creek segment CPD-01

Illinois WQ Standard ($\mu\text{g/L}$)	Period of Record and Number of Data Points	Mean ($\mu\text{g/L}$)	Maximum ($\mu\text{g/L}$)	Minimum ($\mu\text{g/L}$)	Number of Exceedances	Sample Locations
varies ⁽¹⁾	2007-2017;6	791	1500	128	0	CPD-01

⁽¹⁾ Hardness-dependent

The summary of data presented in Table 5-1 reflects single samples from the impaired segment compared to the hardness-dependent standard. No exceedances were noted in the available dataset for Second Salt Creek, representing zero percent of available dissolved manganese measurements. **Figure 5-10** shows the dissolved manganese measurements collected over time at the impaired segment.

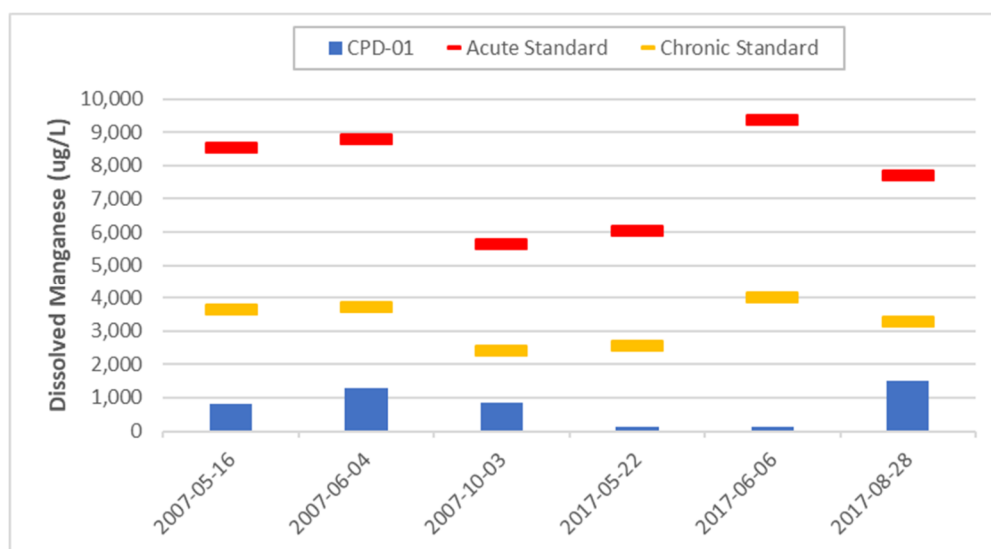


Figure 5-10 Dissolved Manganese concentrations in Second Salt Creek Segment CPD-01

The lack of reported exceedances where data exists suggests that this segment was assessed as impaired due to elevated manganese concentrations based on a previous water quality standard for manganese. Prior to 2012, the applicable water quality standard for manganese to protect aquatic life uses in Illinois was 1.0 mg/L of total manganese. This standard has since been replaced by the current hardness-dependent standards developed for the dissolved fraction of manganese in water. The lack of reported exceedances for segment CPD-01 suggests that removal of this impairment from the Illinois 303(d) list may be warranted.

5.1.1.2 Total Phosphorus

The following segments are listed for aquatic life use impairments caused by total phosphorus:

- Second Salt Creek segment CPD-01
- Second Salt Creek segment CPD-03
- Second Salt Creek segment CPD-04
- First Salt Creek segment CPC-TU-C1
- Salt Creek segment CP-04
- Salt Creek segment CP-EF-C2
- Salt Creek segment CP-EF-C4
- Salt Creek segment CP-TU-C3

Table 5-2, along with **Figures 5-11** through **5-18**, summarize historical phosphorus data collected on the impaired segments. Note that no data are available for two of the impaired segments (CPD-03 and CPD-04). Data show that total phosphorus concentrations have generally decreased over time starting around the year 2001 for most segments with sufficient data and periods of record. Total phosphorus concentrations have also historically been highest during late summer/early fall. This is typically at the end of the agricultural growing season and during low stream flows. Currently, there are not numeric stream standards for total phosphorus in Illinois, however, as discussed in Section 4.4, the NLRS calls for an overall 45% load reduction of total phosphorus leaving the state of Illinois, and an interim target of 25% load reduction by 2025.

Table 5-2 Existing Total Phosphorus Data for Impaired Segments within the Salt Creek Watershed

Impaired Segment	Period of Record and Number of Data Points	Mean (mg/L)	Maximum (mg/L)	Minimum (mg/L)	Sample Locations
CPD-01	2007-2017; 12	0.51	0.74	0.21	CPD-01
CPD-03	No Data				
CPD-04	No Data				
CPC-TU-C1	1999-2001; 5	2.36	3.20	0.50	CPC-TU-A1, CPC-TU-C1, CPC-TU-C2, CPC-TU-E1
CP-04	1999-2017; 33	0.76	3.20	0.21	CP-04, CPC-TU-A1, CPC-TU-C1, CPC-TU-C2, CPC-TU-E1, CPD-01
CP-EF-C2	1999-2017; 39	1.54	10.00	0.09	CP-04, CP-EF-C2, CP-EF-D1, CPC-TU-A1, CPC-TU-C1, CPC-TU-C2, CPC-TU-E1, CPD-01, CPE-EF-A1, CPE-EF-C1, CPE-EF-E1
CP-EF-C4	1999-2017; 40	1.71	10.00	0.09	CP-04, CP-EF-C2, CP-EF-C4, CP-EF-D1, CPC-TU-A1, CPC-TU-C1, CPC-TU-C2, CPC-TU-E1, CPD-01, CPE-EF-A1, CPE-EF-C1, CPE-EF-E1
CP-TU-C3	1999-2017; 17	1.05	3.20	0.21	CPC-TU-A1, CPC-TU-C1, CPC-TU-C2, CPC-TU-E1, CPD-01

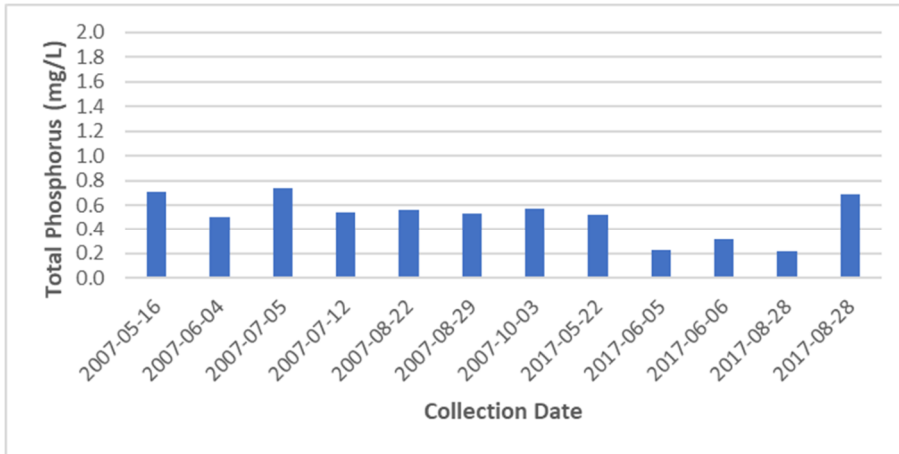


Figure 5-11 Total Phosphorus concentrations in Second Salt Creek Segment CPD-01

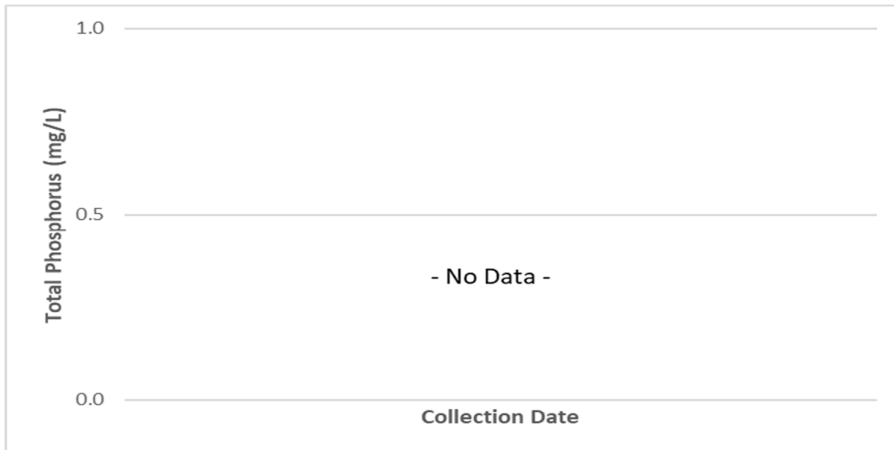


Figure 5-12 Total Phosphorus concentrations in Second Salt Creek Segment CPD-03

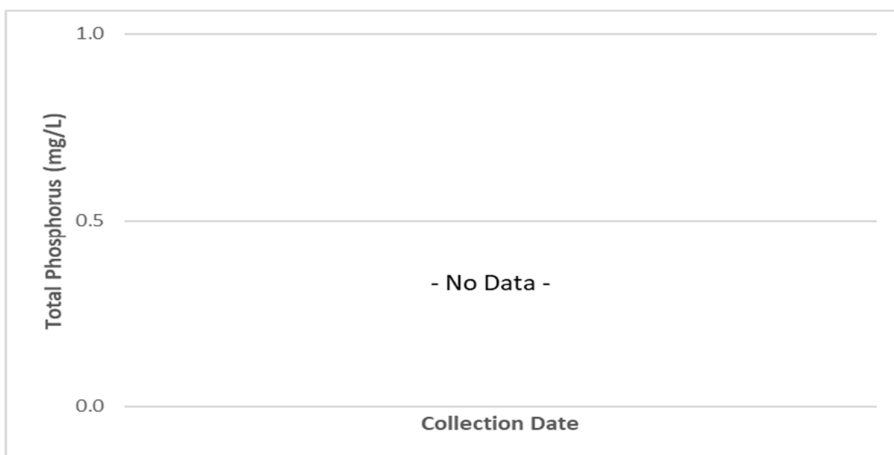


Figure 5-13 Total Phosphorus concentrations in Second Salt Creek Segment CPD-04

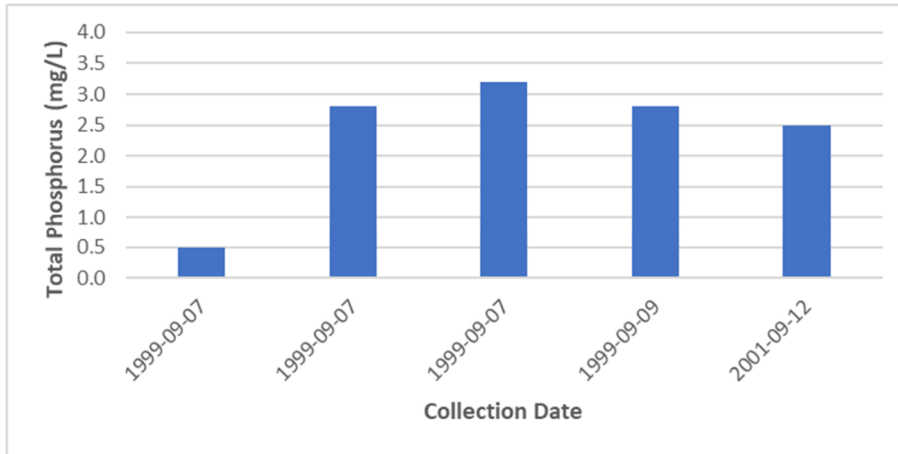


Figure 5-14 Total Phosphorus concentrations in First Salt Creek Segment CPC-TU-C1

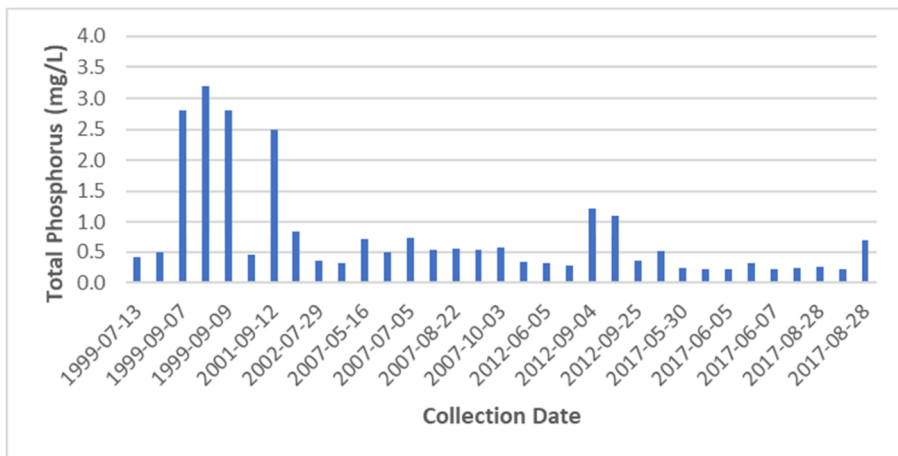


Figure 5-15 Total Phosphorus concentrations in Salt Creek Segment CP-04

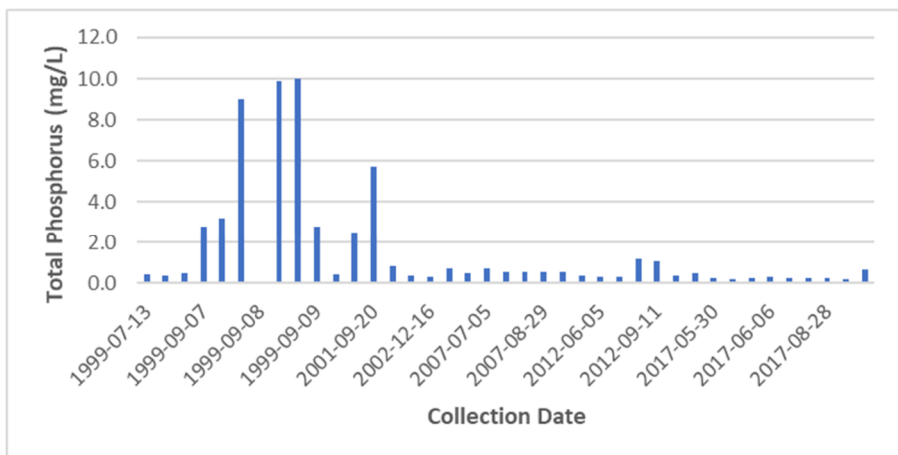


Figure 5-16 Total Phosphorus concentrations in Salt Creek Segment CP-EF-C2

Table 5-3 Permitted Facilities Discharging to or Upstream of the Impaired Segments in the Salt Creek Watershed

Facility ID	Facility Name	Design Average/Maximum Flow (mgd)	Receiving Water
IL0028622	Effingham STP	3.75/9.0*	Unnamed tributary of Salt Creek
IL0075680	Landfill 33	Intermittent Discharge of Stormwater	Unnamed tributary of Salt Creek and Salt Creek
ILG582024	Village of Teutopolis STP	0.263 (avg)	First Salt Creek (IL-CPC-TU-C1)
ILG580056	Watson WTP	0.109 (avg)	Unnamed tributary of Salt Creek

*Flows are for the main outfall only. This facility also has a second outfall for treated combined sewer overflows (CSOs). No flow data are available for this outfall. It is likely that discharge only occurs during extreme high flow events.

5.3 Nonpoint Sources

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

5.3.1 Crop Information

Approximately 56 percent of the land within the Salt Creek watershed is devoted to agriculture. Because much of the watershed is under cultivation, soil loss from fields is likely the primary source of sediment and any pollutant attached to the sediment (nutrients and potentially naturally occurring metals such as manganese). Tillage practices for crops such as corn, soybeans, and grains can be categorized as conventional till, reduced till, mulch till, and no till. The percentage of each tillage practice for corn, soybeans, and small grains by county are generated from County Transect Surveys by the Illinois Department of Agriculture (IDA)³. Data are presented in **Tables 5-4** and **5-5** for Effingham and Cumberland counties, respectively.

Table 5-4 Tillage Practices in Effingham County, Illinois

Tillage System	Corn		Soybean		Small Grain	
	2015	2018	2015	2018	2015	2018
Conventional	94.0%	94.6%	29.5%	29.4%	0.0%	33.3%
Reduced - Till	2.8%	3.1%	27.5%	31.6%	0.0%	0.0%
Mulch – Till	3.2%	1.3%	27.5%	20.6%	27.3%	26.7%
No - Till	0.0%	0.9%	15.6%	18.4%	72.7%	40.0%

Table 5-5 Tillage Practices in Cumberland County, Illinois

Tillage System	Corn		Soybean		Small Grain	
	2015	2018	2015	2018	2015	2018
Conventional	91.0%	89.1%	17.4%	28.8%	0.0%	28.6%
Reduced - Till	4.0%	3.9%	38.3%	30.4%	75.0%	57.1%
Mulch – Till	2.0%	1.2%	35.4%	24.8%	25.0%	0.0%
No - Till	3.0%	5.8%	9.0%	16.0%	0.0%	14.3%

According to the County Transect Survey summary report, fields planted conventionally leave less than 15% of the soil surfaced covered with crop residue after planting, while mulch-till leaves at least 30% of the residue from the previous crop remaining on the soil surface after being tilled and planted. Reduced-till falls between conventional and mulch (greater than 15%

³ <https://www.agr.state.il.us/illinois-soil-conservation-transect-survey-reports>

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but less than 30%) and no-till practices leave the soil virtually undisturbed from harvest through planting. Residue is important because it shields the ground from the eroding effects of rain and helps retain moisture for crops. Information on field tiling practices was also sought as field drains can influence the timing and amount of water delivered to area streams and reservoirs as well as deliver dissolved nutrients from fields to receiving waters. Local NRCS offices reported, however, that tile drainage is very rare within the watershed⁴.

5.3.2 Animal Operations

Information on commercial animal operations is available from the NASS. Knowing the number of animal units in a watershed is useful in TMDL development as grazing animals have the potential to increase erosion and contribute nutrients through manure. Although watershed-specific data are not available, countywide data for Effingham and Cumberland counties are presented in **Tables 5-6** and **5-7**, respectively^{5,6}.

Table 5-6 Effingham County Animal Population

Livestock Type	2012	2017	Percent Change
Cattle and Calves	35,491	26,737	-24.7%
Beef	4,395	4,836	10.0%
Dairy	4,363	3,925	-10.0%
Hogs and Pigs	159,036	177,645	11.7%
Poultry	83	79	-4.8%
Sheep and Lambs	1,205	977	-18.9%
Horses and Ponies	1,138	770	-32.3%

Table 5-7 Cumberland County Animal Population

Livestock Type	2012	2017	Percent Change
Cattle and Calves	13,268	9,344	-29.6%
Beef	1,533	1,462	-4.6%
Dairy	2,720	1,794	-34.0%
Hogs and Pigs	23,627	71,697	203.5%
Poultry	30	29	-3.3%
Sheep and Lambs	180	179	-0.6%
Horses and Ponies	286	222	-22.4%

The tables above show significant cattle, hog and pig populations within the watershed counties. There are no known concentrated animal feeding operations (CAFOs) within the watershed, but communications with local NRCS officials have indicated that livestock is generally prolific within the Salt Creek watershed⁷.

5.3.3 Septic Systems

Most households in rural areas of Illinois that are not connected to municipal sewers make use of onsite sewage disposal systems, or septic systems. There are several types of septic

⁴ Klingler, L. 2019, November 14. Natural Resource Conservation Service (NRCS) - Cumberland County, District Conservationist. Email correspondence

⁵ https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1_Chapter_2_County_Level/Illinois/

⁶ https://www.nass.usda.gov/Publications/AgCensus/2012/Full_Report/Volume_1_Chapter_2_County_Level/Illinois/

⁷ Klingler, L. 2019, November 14. Natural Resource Conservation Service (NRCS) - Cumberland County, District Conservationist. Email correspondence

systems, but the most common septic system is composed of a septic tank draining to a septic field, where nutrient removal occurs. However, the degree of nutrient removal is limited by local soils and the extent of system upkeep and maintenance. Across the U.S., septic systems have been found to be a significant source of phosphorus pollution.

Information on the extent of septic use in the Salt Creek watershed was obtained from the Effingham County Health Departments. Health department officials stated that there are approximately 3,300 permitted septic systems within the county⁸.

5.4 Watershed Studies and Other Watershed Information

Previous efforts completed within the watershed are discussed below, although it is assumed that more information will become available through public meetings within the watershed community. In the event that other watershed-specific information becomes available, it will be reviewed, and all applicable data will be incorporated during Stages 2 and 3 of TMDL development.

2008 – TMDLs were developed for the Little Wabash River 8-digit hydrologic unit watershed, which includes the 10-digit hydrologic unit Salt Creek watershed discussed in this report. TMDLs were developed for First Salt Creek (CPC-TU-C1), Second Salt Creek (CPD-01, CPD-03, and CPD-04), and Salt Creek (CP-EF-C2 and CP-TU-C3), all of which are also addressed in this report. First Salt Creek was listed for manganese, dissolved oxygen, and total phosphorus. Second Salt Creek was listed for dissolved oxygen, sedimentation/siltation, total suspended solids, and total phosphorus. Salt Creek was listed for manganese, total phosphorus, dissolved oxygen, and total nitrogen as N⁹.

⁸ Deters, C. 2019, November 22. Effingham County Health Department, Environmental Health Coordinator. Email correspondence

⁹ <https://www2.illinois.gov/epa/Documents/epa.state.il.us/water/tmdl/report/little-wabash/little-wabash.pdf>

Section 6

Approach to Developing TMDL and Identification of Data Needs

Illinois EPA is currently developing TMDLs for pollutants that have numeric water quality standards. Of the pollutants causing impairment in the Salt Creek watershed, manganese is the parameter for which numeric water quality standards currently exist. In addition, a water quality goal has been developed for total phosphorus loading based on the Illinois NLRS. Refer to Table 1-1 for a full list of potential causes of impairment.

6.1 Simple and Detailed Approaches for Developing TMDLs

The range of analyses used for developing TMDLs varies from simple to complex. Examples of a simple approach include mass-balance, load-duration, and simple watershed and receiving water models. Detailed approaches incorporate the use of complex watershed and receiving water models. Simplistic approaches typically require less data than detailed approaches. Establishing a link between pollutant loads and resulting water quality is one of the most important steps in developing a TMDL. As discussed above, this link can be established through a variety of techniques. The objective of the remainder of this section is to recommend approaches for establishing these links for the constituents of concern in the Salt Creek watershed.

6.2 Additional Data Needs for TMDL and Water Quality Goal Development in the Salt Creek Watershed

Table 6-1 contains summary information regarding data availability for all impairments to be addressed by TMDLs and water quality goals in the Salt Creek watershed. The available datasets for assessing total phosphorus impairments on Second Salt Creek, First Salt Creek, and Salt Creek are generally sufficient for basic water quality loads and reduction calculations and model development, with the exception of segments CPD-03 and CPD-04 on Second Salt Creek, neither of which have any available data. Additional data collection is recommended for these segments. In addition, segment CPC-TU-C1 of First Salt Creek has only five available data points dating back to 2001 and could also benefit from additional data collection for impairment verification and to allow for more accurate load estimation.

There are six available data points for dissolved manganese in impaired stream segment CPD-01, and although the available data show that this segment may once have been impaired based on a previous standard established for total manganese (1.0 mg/L), it is no longer impaired when compared to the currently applicable hardness-dependent water quality standard developed for dissolved manganese. It is recommended that this segment be removed from the current 303(d) list for aquatic life use impairment by dissolved manganese.

Table 6-1 Data Availability and Data Needs for TMDL and Water Quality Goal Development in the Salt Creek Watershed

Impaired Segment	Impairment	Period of Record	Data Points for Impairment Assessment	Additional Data Needs
Second Salt Creek (CPD-01)	Manganese	2007-2017	6	None – Recommend delisting
	Phosphorus (Total)	2007-2017	12	None
Second Salt Creek (CPD-03)	Phosphorus (Total)	NA	0	Additional data collection recommended
Second Salt Creek (CPD-04)	Phosphorus (Total)	NA	0	Additional data collection recommended
First Salt Creek (CPC-TU-C1)	Phosphorus (Total)	1999-2001	5	Additional data collection recommended
Salt Creek (CP-04)	Phosphorus (Total)	1999-2017	33	None
Salt Creek (CP-EF-C2)	Phosphorus (Total)	1999-2017	39	None
Salt Creek (CP-EF-C4)	Phosphorus (Total)	1999-2017	40	None
Salt Creek (CP-TU-C3)	Phosphorus (Total)	1999-2017	17	None

6.3 Approaches for Developing TMDLs and Water Quality Goals for Stream Segments in the Salt Creek Watershed

6.3.1 Recommended Approach for Manganese and Total Phosphorus in Impaired Stream Segments

The recommended approach for developing a TMDL and load reduction estimates in the total phosphorus impaired streams in the Salt Creek watershed is the load duration curve method. The load duration methodology uses the cumulative frequency distribution of stream flow and pollutant concentration data to estimate the allowable loads for a waterbody. CDM Smith will work with Illinois EPA to determine a concentration to use for the load duration curves in order to reduce loading by 25% to meet the interim goals of the NLRS.

The data review performed for Second Salt Creek segment CPD-01 show that dissolved manganese concentrations in this segment support the general use and it is recommended that it be removed from the current 303(d) list.

Section 7

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Appendix A

Land Use Categories

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Land Cover Category	acres	Percent
Soybeans	17,173	28%
Corn	15,149	25%
Deciduous Forest	12,082	20%
Grass/Pasture	5,598	9.2%
Developed/Open Space	5,303	8.7%
Developed/Low Intensity	2,531	4.2%
Developed/Med Intensity	894	1.5%
DbI Crop WinWht/Soybeans	868	1.4%
Developed/High Intensity	408	0.7%
Winter Wheat	317	0.5%
Alfalfa	244	0.4%
Other Hay/Non Alfalfa	141	0.2%
Open Water	96	0.2%
Barren	73	0.1%
Herbaceous Wetlands	16	<0.1%
DbI Crop WinWht/Corn	7.0	<0.1%
Woody Wetlands	4.0	<0.1%
Pumpkins	2.4	<0.1%
Sorghum	1.8	<0.1%
Clover/Wildflowers	1.7	<0.1%
Fallow/Idle Cropland	1.6	<0.1%
Grapes	1.0	<0.1%
Spring Wheat	0.7	<0.1%
Shrubland	0.5	<0.1%
Sod/Grass Seed	0.4	<0.1%
Evergreen Forest	0.1	<0.1%
Total	60,913	100.0%

CP-EF-C4 (including all upstream basins)

Land Cover Category	acres	Percent
Soybeans	7,472	27.3%
Corn	7,043	25.7%
Deciduous Forest	3,595	13.1%
Grass/Pasture	2,223	8.1%
Developed/Open Space	2,979	10.9%
Developed/Low Intensity	2,018	7.4%
Developed/Med Intensity	722	2.6%
Dbl Crop WinWht/Soybeans	400	1.5%
Developed/High Intensity	383	1.4%
Winter Wheat	232	0.8%
Alfalfa	161	0.6%
Other Hay/Non Alfalfa	45	0.2%
Open Water	49	0.2%
Barren	51	0.2%
Herbaceous Wetlands	6.0	0.0%
Dbl Crop WinWht/Corn	6.0	0.0%
Woody Wetlands	0.7	0.0%
Pumpkins	1.0	0.0%
Sorghum	1.1	0.0%
Clover/Wildflowers	1.3	0.0%
Fallow/Idle Cropland	0.7	0.0%
Grapes	0.8	0.0%
Spring Wheat	0.4	0.0%
Sod/Grass Seed	0.4	0.0%
Total	27,391	100%

CP-EF-C2 including upstream basins

Land Cover Category	acres	Percent
Soybeans	6,847	28%
Corn	6,608	27%
Deciduous Forest	2,735	11%
Grass/Pasture	1,868	8%
Developed/Open Space	2,820	11%
Developed/Low Intensity	1,972	7.9%
Developed/Med Intensity	702	2.8%
Dbl Crop WinWht/Soybeans	374	1.5%
Developed/High Intensity	377	1.5%
Winter Wheat	221	0.9%
Alfalfa	143	0.6%
Other Hay/Non Alfalfa	42	0.2%
Open Water	49	0.2%
Barren	48	0.2%
Herbaceous Wetlands	5.1	0.0%
Woody Wetlands	0.3	0.0%
Pumpkins	1.0	0.0%
Sorghum	0.9	0.0%
Clover/Wildflowers	1.1	0.0%
Fallow/Idle Cropland	0.7	0.0%
Grapes	0.7	0.0%
Spring Wheat	0.4	0.0%
Sod/Grass Seed	0.4	0.0%
Total	24,816	100%

CP-04 including upstream basins

Land Cover Category	acres	Percent
Soybeans	6,595	30.0%
Corn	6,491	29.6%
Deciduous Forest	2,279	10.4%
Grass/Pasture	1,682	7.7%
Developed/Open Space	2,295	10.5%
Developed/Low Intensity	1,322	6.0%
Developed/Med Intensity	353	1.6%
Dbl Crop WinWht/Soybeans	337	1.5%
Developed/High Intensity	123	0.6%
Winter Wheat	214	1.0%
Alfalfa	134	0.6%
Other Hay/Non Alfalfa	37	0.2%
Open Water	34	0.2%
Barren	47	0.2%
Herbaceous Wetlands	4.7	0.0%
Woody Wetlands	0.2	0.0%
Pumpkins	0.9	0.0%
Sorghum	0.4	0.0%
Clover/Wildflowers	1.1	0.0%
Fallow/Idle Cropland	0.6	0.0%
Grapes	0.2	0.0%
Spring Wheat	0.2	0.0%
Sod/Grass Seed	0.4	0.0%
Total	21,952	100.0%

CP-TU-C3 including upstream basins

Land Cover Category	acres	Percent
Sorghum	0.4	0.0%
Clover/Wildflowers	0.7	0.0%
Herbaceous Wetlands	3.4	0.0%
Developed/High Intensity	11	0.1%
Barren	13	0.1%
Other Hay/Non Alfalfa	23	0.1%
Open Water	25	0.2%
Developed/Med Intensity	79	0.5%
Alfalfa	127	0.8%
Winter Wheat	209	1.4%
Dbl Crop WinWht/Soybeans	293	1.9%
Developed/Low Intensity	493	3.2%
Grass/Pasture	1,096	7.1%
Developed/Open Space	1,219	7.9%
Deciduous Forest	1,485	9.6%
Soybeans	5,071	32.9%
Corn	5,289	34.3%
Total	15,436	100.0%

CPD-01 including upstream basins

Land Cover Category	acres	Percent
Soybeans	2,122	31.0%
Corn	2,274	33.2%
Deciduous Forest	735	10.7%
Grass/Pasture	624	9.1%
Developed/Open Space	388	5.7%
Developed/Low Intensity	109	1.6%
Developed/Med Intensity	35	0.5%
Dbl Crop WinWht/Soybeans	228	3.3%
Developed/High Intensity	5.4	0.1%
Winter Wheat	185	2.7%
Alfalfa	116	1.7%
Other Hay/Non Alfalfa	18	0.3%
Open Water	7.0	0.1%
Barren	7.6	0.1%
Herbaceous Wetlands	1.2	0.0%
Sorghum	0.2	0.0%
Clover/Wildflowers	0.7	0.0%
Total	6,856	100%

CPD-03 including upstream basins

Land Cover Category	acres	Percent
Soybeans	1,698.0	32.9%
Corn	1,988.3	38.6%
Deciduous Forest	194.8	3.8%
Grass/Pasture	462.8	9.0%
Developed/Open Space	211.5	4.1%
Developed/Low Intensity	47.3	0.9%
Developed/Med Intensity	31.0	0.6%
Dbl Crop WinWht/Soybeans	196.7	3.8%
Developed/High Intensity	5.4	0.1%
Winter Wheat	176.6	3.4%
Alfalfa	114.6	2.2%
Other Hay/Non Alfalfa	16.2	0.3%
Open Water	4.1	0.1%
Barren	7.6	0.1%
Herbaceous Wetlands	0.7	0.0%
Sorghum	0.2	0.0%
Clover/Wildflowers	0.4	0.0%
Total	5,156	100.0%

CPD-04 Basin (no basins upstream)

Land Cover Category	acres	Percent
Corn	1,315	45%
Soybeans	830	28%
Grass/Pasture	237	8.1%
Winter Wheat	143	4.9%
Dbl Crop WinWht/Soybeans	117	4.0%
Alfalfa	108	3.7%
Developed/Open Space	95	3.2%
Deciduous Forest	30	1.0%
Developed/Low Intensity	15	0.5%
Developed/Med Intensity	14	0.5%
Other Hay/Non Alfalfa	10	0.4%
Barren	2.9	0.1%
Developed/High Intensity	2.0	<0.1%
Clover/Wildflowers	0.4	<0.1%
Open Water	0.4	<0.1%
Sorghum	0.2	<0.1%
Total	2,921	100%

CP-TU-C1 Basin (no basins upstream)

Land Cover Category	acres	Percent
Corn	2,874	37%
Soybeans	2,785	36%
Developed/Open Space	716	9.3%
Deciduous Forest	457	5.9%
Grass/Pasture	360	4.7%
Developed/Low Intensity	342	4.4%
Dbl Crop WinWht/Soybeans	65	0.8%
Developed/Med Intensity	35	0.5%
Winter Wheat	23	0.3%
Open Water	18	0.2%
Alfalfa	11	0.1%
Other Hay/Non Alfalfa	5.2	<0.1%
Developed/High Intensity	4.0	<0.1%
Barren	2.7	<0.1%
Herbaceous Wetlands	1.1	<0.1%
Sorghum	0.2	<0.1%
Total	7,698	100%

Appendix B

Soil Series Data

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Mapunit Name	Hydrologic G	K-Factor R	Shape_Length	Shape_Area
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1372.193872	29569.135
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	526.403225	17843.265
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	354.490135	5680.425
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	9668.114144	743388.4956
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	936.893823	18390.28
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3429.289638	209689.17
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	3842.535231	105904.86
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	559.522171	11267.48
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	924.102966	26081.615
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	626.346593	13908.52
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	4235.120351	254362.255
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	649.02517	22829.27
Holton loam, frequently flooded	C	0.35	557.784009	8735.755
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	525.024639	10052.865
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	800.978067	31026.435
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	689.782287	11105.76
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	446.030532	6841.45
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	488.412406	9655.795
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1169.541922	53560.63866
Ursa-Atlas complex, 5 to 10 percent slopes, severely	D	0.34	832.713745	19864.415
Ava silt loam, 2 to 5 percent slopes	C	0.48	480.315394	10929.125
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	157.94031	325.399079
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2210.438771	93487.83
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2222.952064	145274.535
Ava silt loam, 2 to 5 percent slopes	C	0.48	1319.063617	25511.495
Hickory clay loam, 10 to 18 percent slopes, severely	B	0.33	719.579531	17873.89
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3416.87807	92501.525
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	973.674024	19760.195
Racoon silt loam, 0 to 2 percent slopes	C/D	0.49	1628.401667	30310.61413
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1018.615421	23261.67
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1245.506254	33009.39
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	548.554103	9519.525
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	310.117573	3183.38
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	295.954884	5552.69
Ava silt loam, 2 to 5 percent slopes	C	0.48	321.613529	6816.28
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1644.251608	70382.745
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	410.278806	5862.675
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1085.304176	40237.59897
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	638.877929	14662.195
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4088.266441	166856.595
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	3664.305263	109824.765
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	819.119261	23058.485
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1363.266402	44374.655
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	817.96783	11794.485
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	374.54044	5206.88
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	2879.960984	254890.115

Hickory clay loam, 10 to 18 percent slopes, severely	B	0.33	2081.722962	59120.52
Virden silt loam, 0 to 2 percent slopes	C/D	0.39	1010.170436	39234.37
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	2388.940217	152246.4496
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	438.46506	6792.515
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	965.651253	40668.245
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	591.339562	21250.24
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	8781.810838	545145.5417
Ava silt loam, 2 to 5 percent slopes	C	0.48	844.922709	38748.675
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1374.245371	93879.1
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1619.412618	71287.57
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1151.895361	31194.12
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	897.128961	30931.135
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	1643.281797	44339.205
Holton loam, frequently flooded	C	0.35	350.990818	6716.88
Ava silt loam, 2 to 5 percent slopes	C	0.48	264.288746	4169.46
Ava silt loam, 2 to 5 percent slopes	C	0.48	413.130857	9567.005
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	929.43892	26467.415
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2324.480481	58030.405
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	960.458993	30246.99813
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1530.291707	50891.215
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	674.028904	11890.1
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	713.237985	15365.13
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	581.270596	16549.4
Wakeland silt loam, 0 to 2 percent slopes, frequently	B/D	0.54	1704.207655	55867.25
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	4375.748722	162277
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	795.661613	16841.28
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	478.795742	11132.395
Ava silt loam, 2 to 5 percent slopes	C	0.48	1112.136369	28401.94
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2171.926568	104663.4747
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2055.561499	104946.3724
Wakeland silt loam, 0 to 2 percent slopes, frequently	B/D	0.54	4629.399551	210395.23
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	803.140256	24157.035
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	552.381489	17504.885
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	732.845099	14274.64
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	740.744366	12215.915
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	2067.297513	45773.17
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	497.33469	16827.47
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	454.518256	10291.32
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1555.753238	75334.53778
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	816.203673	23989.51
Hickory clay loam, 10 to 18 percent slopes, severely	B	0.33	332.487643	5483.57
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	415.589836	8399.915
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	862.093737	24412.955
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	914.799065	24995.89
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1204.639904	44321.74774
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	255.819789	1200.1
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	137.46725	1235.365

Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	115.324951	443.445
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	1121.319234	18324.445
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1322.579534	34889.865
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1084.284862	20344.85
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	464.084697	8009.795
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	422.01499	8737.615
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2735.144765	172555.1933
Water	<Null>	<Null>	246.544756	3655.71
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	321.779456	6591.79
Viriden silt loam, 0 to 2 percent slopes	C/D	0.39	1603.31857	97168.82
Water	<Null>	<Null>	218.496167	3014.22
Ava silt loam, 2 to 5 percent slopes	C	0.48	400.886804	5218.16
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	970.417178	15848.78
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	11145.77473	731456.86
Ava silt loam, 2 to 5 percent slopes	C	0.48	342.351599	3750.635
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	905.237638	22065.915
Ava silt loam, 2 to 5 percent slopes	C	0.48	382.212911	6761.535
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	332.902665	4261.3
Water	<Null>	<Null>	223.109445	2562.985
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	829.822663	8295.18
Wynoose-Huey complex	D	0.46	2905.243111	165142.875
Cisne-Piasa complex	D	0.45	1035.913318	47525.245
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	260.154455	3391.372741
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	485.246552	13114.91
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	1348.123634	41279.335
Ava silt loam, 2 to 5 percent slopes	C	0.48	297.2145	4397.83
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1311.343353	22749.78
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2735.280082	107406.445
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1399.226543	25580.32
Racoon silt loam, 0 to 2 percent slopes, rarely flooded	C/D	0.49	5701.986976	331182.2566
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	772.512022	22983.775
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6187.329205	375612.15
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	7738.923281	332976.21
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	1515.507798	46865.275
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	493.667219	14470.15
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	1488.149045	53146.045
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	481.536521	10350.675
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	2262.373267	47027.63
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	713.428651	13491.815
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	348.43248	3555.92
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1576.94282	30361.885
Viriden silt loam, 0 to 2 percent slopes	C/D	0.39	406.960981	10870.04
Ava silt loam, 2 to 5 percent slopes	C	0.48	717.836959	13094.06
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	2060.201271	84643.125
Atlas silt loam, 2 to 5 percent slopes, eroded	D	0.41	657.757488	12608.58
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1179.763438	43024.2
Water	<Null>	<Null>	285.355104	4234.865

Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	788.282329	22985.91
Passport silty clay loam, 5 to 10 percent slopes, severe erosion	C/D	0.37	1203.144456	32027.495
Ava silt loam, 2 to 5 percent slopes	C	0.48	123.446356	703.005
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2955.849404	109676.996
Ava silt loam, 2 to 5 percent slopes	C	0.48	364.356693	6797.28
Atlas silt loam, 2 to 5 percent slopes, eroded	D	0.41	394.380358	7723.41
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1142.83641	44854.025
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	1221.823429	42410.49
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1004.77158	54393.235
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1462.211233	72892.17
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	503.994227	10225.595
Hickory silt loam, 18 to 35 percent slopes	B	0.33	568.028766	11260.22
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	361.737796	7718.36
Passport silty clay loam, 5 to 10 percent slopes, severe erosion	C/D	0.37	385.179193	8698.555
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	292.160233	4232.605
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1850.836706	45406.945
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	794.382106	23181.16886
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	977.163772	35980.63
Ava silt loam, 2 to 5 percent slopes	C	0.48	1088.425856	61233.44
Ava silt loam, 2 to 5 percent slopes	C	0.48	1521.419704	35834.315
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	2101.066905	62536.54379
Ava silt loam, 2 to 5 percent slopes	C	0.48	323.347073	5536.83
Passport silty clay loam, 5 to 10 percent slopes, severe erosion	C/D	0.37	462.884998	4918.745
Water	<Null>	<Null>	186.834133	2361.935
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	2146.064267	125190.5323
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	781.811136	9838.195
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	2608.287402	62893.865
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	397.636836	6894.725
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	431.184879	9589.79
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1258.960514	34811.245
Wynoose-Huey complex	D	0.46	424.202176	9675.265
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	483.023245	10378.98
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1197.896558	30132.83
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	377.20217	4091.87
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	434.237645	6798.895
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	1279.699558	42329.98
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	319.588747	6709.749474
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	310.054404	4550.305331
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1402.224039	38785.465
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	548.239806	17391.91
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1003.45245	43514.08185
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	557.510852	11008.785
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	380.568658	8094.02
Virden silt loam, 0 to 2 percent slopes	C/D	0.39	882.021235	40236.34411
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	548.426812	16079.385
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1259.709426	43070.99744
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	1854.335043	96507.92

Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	390.731124	5931.49
Wynoose-Huey complex	D	0.46	561.850419	15635.525
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	1325.698631	31813.515
Ava silt loam, 2 to 5 percent slopes	C	0.48	368.208206	6638.365
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1434.830064	45956.49
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	381.64146	7886.945
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1442.725199	49151.245
Wynoose-Huey complex	D	0.46	538.771617	19879.35
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	2687.942817	127895.135
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	940.354784	23792.70225
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	1351.99764	66768.66154
Water	<Null>	<Null>	182.374541	2243.855
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	540.780976	13118.8
Passport silty clay loam, 5 to 10 percent slopes, severely eroded	C/D	0.37	1134.193849	26939.99
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	3342.351856	220487.58
Hickory clay loam, 10 to 18 percent slopes, severely eroded	B	0.33	830.540484	12241.65
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1493.060732	29254.305
Water	<Null>	<Null>	159.454324	1604.725
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	304.915715	6037.445
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	883.750571	19525.41
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1356.311679	45777.86329
Ava silt loam, 2 to 5 percent slopes	C	0.48	305.941352	673.595
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	1410.297577	30501.345
Passport silty clay loam, 5 to 10 percent slopes, severely eroded	C/D	0.37	478.426533	11779.195
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	480.370067	9572.035
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	1682.544637	75857.06
Passport silty clay loam, 5 to 10 percent slopes, severely eroded	C/D	0.37	5681.297028	173080.85
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	5009.361061	234413.9322
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	732.599812	16554.76
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	409.84379	12481.14644
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	2180.367663	53006.155
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3263.128865	329062.295
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1446.697018	22139.975
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1501.645432	86232.23098
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1397.600451	53301.41
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	482.946962	13407.935
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2968.681567	93963.1
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	374.308723	6748.8
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	742.90753	13020.265
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	786.044073	19461.465
Hickory clay loam, 10 to 18 percent slopes, severely eroded	B	0.33	403.548632	4084.685
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	348.657498	8111.065
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	907.348738	31359.98825
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	595.349186	9490.235
Passport silty clay loam, 5 to 10 percent slopes, severely eroded	C/D	0.37	1148.770744	21508.505
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	185.357211	1913.39
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	508.719887	9540.475

Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1223.914802	31861.39
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	440.977898	9192.405
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	779.026736	25559.955
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1298.265057	36646.585
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	659.762239	13731.39
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	1620.668185	36298.47
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	3302.696301	173761.765
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	941.975677	19013.65548
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1254.69686	49953.485
Wynoose-Huey complex	D	0.46	1462.750483	52367.05132
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	539.128569	9400.965
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	294.171132	4307.5
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	507.723652	16771.08319
Ava silt loam, 2 to 5 percent slopes	C	0.48	1479.880174	37020.48
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	458.828239	8282.29
Water	<Null>	<Null>	300.239434	3835.185
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1927.239975	69439.19
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	436.939484	10122.01
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	189.538378	2239.71
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	347.903685	4240
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	420.69013	9863.2
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	756.408686	16646.645
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	838.07678	30287.005
Ava silt loam, 2 to 5 percent slopes	C	0.48	379.335441	6415.63
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	902.2315	16810.91573
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	704.310103	12032.41
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2576.524489	77435.095
Orion silt loam, frequently flooded	C	0.53	677.185426	21197.56
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	289.971243	6332.985
Virден silt loam, 0 to 2 percent slopes	C/D	0.39	1182.651383	40203.685
Racoon silt loam, 0 to 2 percent slopes	C/D	0.49	1039.957943	40078.295
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1806.185514	97230.49
Racoon silt loam, 0 to 2 percent slopes, rarely flooded	C/D	0.49	1845.131109	59425.495
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1021.033745	21620.26
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2018.451071	108840.96
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	494.349391	7826.2
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	689.045926	18809.79
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	366.571674	7725.38
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	113.844302	700.009405
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	217.625517	1051.825
Blair silt loam, 2 to 5 percent slopes, severely eroded	C	0.5	395.66916	7873.93
Ava silt loam, 2 to 5 percent slopes	C	0.48	435.328422	9085.53
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1347.531866	25751.335
Wynoose-Huey complex	D	0.46	520.218199	13358.73
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	581.683742	10653.87
Water	<Null>	<Null>	323.180482	4069.17
Wakeland silt loam, 0 to 2 percent slopes, frequently	B/D	0.54	1072.614426	28881.07

Fishhook silt loam, 2 to 5 percent slopes, eroded	C	0.35	568.503503	12706.14
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	686.359837	24881.915
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	646.563087	15375.37
Orion silt loam, frequently flooded	C	0.53	2763.799562	129527.13
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2828.016757	157728.195
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	597.206496	18001.105
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	888.719808	33842.04786
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	2315.557004	41933.56
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	424.588376	11299.23
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	403.237107	12289.925
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	734.305867	25976.185
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1033.802604	23364.19
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1109.322581	28024.125
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	476.011423	8127.055
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	561.213088	12775.155
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1071.899754	19110.555
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1050.738224	41498.68
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	676.329197	14275.6
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2950.399166	109749.06
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	340.568832	8180.63
Viriden silt loam, 0 to 2 percent slopes	C/D	0.39	346.629809	6080.875
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	841.790827	18261.725
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	1609.055202	26670.325
Ava silt loam, 2 to 5 percent slopes	C	0.48	230.307235	2628.505
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	979.752808	12312.145
Racoon silt loam, 0 to 2 percent slopes	C/D	0.49	708.086206	23673.63
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	303.661552	2185.694036
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	71.620027	255.78
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	400.478017	8868.87
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1469.485088	23354.78
Fishhook silt loam, 2 to 5 percent slopes, eroded	C	0.35	1041.030173	18307.705
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	818.176279	19886.195
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1220.643967	38507.555
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	737.062984	8701.705
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1023.863341	41797.295
Ava silt loam, 2 to 5 percent slopes	C	0.48	500.747937	9339.56
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	709.253715	16107.505
Blair silt loam, 2 to 5 percent slopes, eroded	C	0.48	515.392059	7545.37
Racoon silt loam, 0 to 2 percent slopes	C/D	0.49	643.51864	25151.655
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	542.864239	16248.255
Wynoose-Huey complex	D	0.46	212.843787	530.66333
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	809.05536	24918.285
Passport silt loam, 5 to 10 percent slopes, eroded	C/D	0.37	384.304602	7165.045
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	776.887142	22067.41
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	69.666824	285.685
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1366.996927	69132.415
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	656.779331	10314.635

Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1047.87545	35287.42
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	392.524235	8770.195
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	784.738458	20202.645
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1039.450475	39660.79
Ava silt loam, 2 to 5 percent slopes	C	0.48	361.108142	6571.725
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1987.719302	79191.035
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	987.712071	41226.615
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	151.928861	789.814875
Atlas silt loam, 2 to 5 percent slopes, eroded	D	0.41	285.37144	4846.125
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	267.216692	1668.2
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	1574.61215	39638.72
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	392.950002	8798.065
Ava silt loam, 2 to 5 percent slopes	C	0.48	1353.810342	48284.94
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	5946.729249	147183.645
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	394.868298	9999.645
Tamalco silt loam, 2 to 5 percent slopes, eroded	D	0.47	411.511856	11457.51
Racoon silt loam, 0 to 2 percent slopes, rarely flooded	C/D	0.49	1576.373106	57623.695
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1822.839551	116098.02
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	1197.623613	21237.61
Water	<Null>	<Null>	145.566925	1626.135
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	576.324668	21014.625
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	453.128339	7589.235
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3957.230759	207376.555
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1392.483977	33451.445
Bluford silt loam, 2 to 5 percent slopes, eroded	C/D	0.42	456.156608	9764.11
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	7136.446399	847853.91
Coulterville silt loam, 2 to 5 percent slopes, eroded	D	0.53	607.431565	11251.895
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1141.32507	39931.41721
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	462.861965	10865.34
Ava silt loam, 2 to 5 percent slopes	C	0.48	305.275836	4422.195
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	555.745581	15501.73
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	262.629196	2088.145
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	635.285211	14881.835
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	1057.676309	38266.93
Ursa-Atlas complex, 5 to 10 percent slopes, eroded	D	0.33	2092.772253	86600.45
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2396.457684	149499.2067
Passport silty clay loam, 5 to 10 percent slopes, severe	C/D	0.37	702.745521	10354.35
Bluford-Darmstadt silt loams, 0 to 2 percent slopes	C/D	0.47	703.889011	33337.51
Ava silt loam, 2 to 5 percent slopes	C	0.48	6888.505124	223659.635
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	793.120071	17928.505
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1378.569666	59439.845
Ava silt loam, 2 to 5 percent slopes	C	0.48	623.632172	13049.285
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1248.283356	42219.21
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	20845.71574	1965621.834
Ava silt loam, 2 to 5 percent slopes	C	0.48	3111.210526	121035.005
Ava silt loam, 2 to 5 percent slopes	C	0.48	5513.298576	335616.145
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1338.086956	44987.675

Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1388.230903	82083.585
Hickory silt loam, 18 to 35 percent slopes	B	0.33	20521.70564	614603.34
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1019.903567	24028.86
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	7029.93437	486920.355
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	874.397927	27875.98
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1596.102758	112087.245
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	572.159781	13112.29
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	493.060223	13593.135
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	916.26069	27492.04
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	599.318426	15091.76
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2678.451384	98777.07
Ava silt loam, 2 to 5 percent slopes	C	0.48	483.237481	10086.93
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	494.657965	12127.72
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	740.560396	13957.635
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	975.429107	14140.25
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2116.998354	135271.415
Hickory silt loam, 18 to 35 percent slopes	B	0.33	4307.29599	80791.57
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1148.883052	47680.58
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	918.431315	46868.985
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1065.04773	21897.82
Water	<Null>	<Null>	153.24058	1586.845
Ava silt loam, 2 to 5 percent slopes	C	0.48	3409.323522	146688.04
Ava silt loam, 2 to 5 percent slopes	C	0.48	1040.935114	47125.92
Water	<Null>	<Null>	293.294623	4239.06
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	341.875501	5836.12177
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	608.119268	11132.095
Hickory silt loam, 18 to 35 percent slopes	B	0.33	222.865951	2942.545
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	1149.426816	46239.555
Ava silt loam, 2 to 5 percent slopes	C	0.48	2216.088553	71218.01
Ava silt loam, 2 to 5 percent slopes	C	0.48	876.563166	17017.58
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	127.564496	782.244463
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	470.117754	7140.235
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	711.585373	15449.575
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	906.422881	31446.50441
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1158.629076	33372.94292
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10086.86091	706534.86
Ava silt loam, 2 to 5 percent slopes	C	0.48	885.223015	21069.67
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	561.809951	18085.37
Huey silt loam, 0 to 2 percent slopes	D	0.47	2475.461697	165013.805
Hickory silt loam, 10 to 18 percent slopes	B	0.33	5287.360897	104944.15
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2258.155957	96326.305
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	485.872207	11171.62
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	4101.883869	160004.025
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2355.493318	80959.285
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	516.333655	9117.48
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	472.699053	9323.16
Ava silt loam, 2 to 5 percent slopes	C	0.48	1617.684437	41118.395

Parke silt loam, 1 to 5 percent slopes	B	0.38	2547.34108	121553.58
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2077.049111	48384.98
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2515.84682	273851.105
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	9804.142979	582731.855
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	579.575301	11184.995
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1272.706543	77194.18
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1021.586419	45414.01248
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	622.969394	14860.95
Ava silt loam, 2 to 5 percent slopes	C	0.48	797.924957	22542.385
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1422.014098	84866.62
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	158.24449	881.540237
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1915.84318	165378.7484
Ava silt loam, 2 to 5 percent slopes	C	0.48	871.847139	19460.665
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	489.282484	16517.73
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	680.082416	14195.45
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	510.969457	11149.655
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	425.858159	10034.1
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	709.088489	16189.885
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	511.85139	10560.245
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2122.582554	112860.48
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	395.49233	10258.69
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3547.139938	96442.11
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	582.070917	18784.91
Ava silt loam, 2 to 5 percent slopes	C	0.48	1895.903934	65300.45
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2802.767722	114730.86
Holton silt loam	C	0.41	16840.87432	1125003.145
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	329.933639	5524.435449
Wirt loam	B	0.4	467.543749	9173.115
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	842.430262	17184.495
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	575.517478	16724.76
Ava silt loam, 2 to 5 percent slopes	C	0.48	1198.523627	25286.455
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	420.123335	5009.764696
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	4000.78153	88752.09
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2863.778244	106724.34
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	488.870664	12680.34324
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1167.888896	26598.09
Ava silt loam, 2 to 5 percent slopes	C	0.48	6482.322196	306931.54
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2565.203248	59049.305
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	432.24855	9314.905
Water	<Null>	<Null>	411.82631	5708.975
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	952.897136	43133.575
Tamalco silt loam	D	0.4	707.734402	30962.86
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1446.816175	46703.135
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	800.244942	19386.285
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1519.416052	43411.635
Ava silt loam, 2 to 5 percent slopes	C	0.48	7733.402895	299373.965
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1785.7506	54979.105

Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1277.134685	62709.785
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	5114.663779	357868.63
Water	<Null>	<Null>	202.154224	2099.58
Water	<Null>	<Null>	217.108513	2882.06
Hickory silt loam, 10 to 18 percent slopes	B	0.33	752.458063	21848.325
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	796.551612	20803.21
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	797.655383	14655.41
Ava silt loam, 2 to 5 percent slopes	C	0.48	1820.148539	49815.55
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	794.941563	18125.095
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3041.177812	64874.64
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2195.422301	46912.55
Hickory silt loam, 18 to 35 percent slopes	B	0.33	6492.25957	203515.045
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1174.67783	20115.845
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	565.360142	12070.48
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	693.592085	11988.58
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2305.385859	96142.93781
Ava silt loam, 2 to 5 percent slopes	C	0.48	941.711388	26976.34
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	371.328088	8716.43
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1563.778981	35956.75
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	18703.34816	2238917.848
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2634.270714	96748.265
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2494.440456	85949.945
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1836.666031	73502.31047
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1211.90309	33793.75
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1809.368116	43944.65068
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	668.358618	19981.57
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2388.825816	65368.425
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	705.700034	31387.85
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1767.223297	41259.915
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	12899.70688	955404.955
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	694.402261	28014.915
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	7167.049321	649666.45
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	13476.75107	940649.95
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	441.213302	6284.86
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	811.37838	24720.615
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	406.411345	9094.315
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	966.497849	14636.41
Ava silt loam, 2 to 5 percent slopes	C	0.48	2151.199642	51171.325
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	498.246531	16080.685
Huey silt loam, 0 to 2 percent slopes	D	0.47	393.746365	8101.935
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1914.546063	43585.115
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1079.285013	27023.265
Hickory silt loam, 10 to 18 percent slopes	B	0.33	725.764363	15923.09
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	562.740927	16069.675
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1075.103126	41875.785
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1194.039502	29849.21
Water	<Null>	<Null>	494.477946	14367.965

Ava silt loam, 2 to 5 percent slopes	C	0.48	7001.714921	335699.33
Tamalco silt loam	D	0.4	290.446367	4183.94
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3812.169998	149805.045
Wirt loam	B	0.4	8192.180141	390358.575
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1686.060603	62726.8
Ava silt loam, 2 to 5 percent slopes	C	0.48	4930.39039	120973.345
Ava silt loam, 2 to 5 percent slopes	C	0.48	1758.643425	41921.665
Hickory silt loam, 10 to 18 percent slopes	B	0.33	399.779804	7965.03
Huey silt loam, 0 to 2 percent slopes	D	0.47	622.28775	15220.185
Wirt loam	B	0.4	1138.928461	50368.955
Hickory silt loam, 18 to 35 percent slopes	B	0.33	4525.788745	158967.495
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	642.602323	13532.195
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2985.094952	277307.385
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2102.670442	73597.295
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3491.880507	94907.965
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	820.932973	39852.99
Hickory silt loam, 18 to 35 percent slopes	B	0.33	36190.15672	1046556.48
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1032.106956	42751.365
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	409.929143	8842.965
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2284.027326	84213.93
Ava silt loam, 2 to 5 percent slopes	C	0.48	864.411939	13227.01
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1504.857996	30744.77
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6094.601001	235163.885
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	687.02791	22755.1
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3811.154366	235114.965
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	899.815048	29889.165
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	741.705793	32535.805
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	805.308267	16170.09
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	530.892965	11267.055
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1946.575432	75821.165
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1220.465572	21977.315
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3717.044322	199108.265
Hickory silt loam, 18 to 35 percent slopes	B	0.33	16352.34651	379082.405
Ava silt loam, 2 to 5 percent slopes	C	0.48	1814.283524	98997.775
Ava silt loam, 2 to 5 percent slopes	C	0.48	1368.253051	27129.005
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	594.87985	14230.96
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1035.651737	31008.2
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	405.496079	10126.195
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	5057.680056	383783.78
Ava silt loam, 2 to 5 percent slopes	C	0.48	4979.420475	144940.005
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3841.727055	107938.87
Ava silt loam, 2 to 5 percent slopes	C	0.48	6868.952175	301176.3
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	621.303032	14325.25
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1176.197278	21827.91
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1542.784747	27710.57
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1773.066729	53750.995
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3175.118793	122520.06

Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1188.811717	39235.09
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	446.680566	8408.24
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2435.726044	72530.985
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1497.876625	51864.835
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	979.080803	29563.59
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1361.26447	25751.015
Parke silt loam, 1 to 5 percent slopes	B	0.38	633.415144	24249.58
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	815.683713	36190.835
Camden silt loam, 1 to 5 percent slopes	B	0.41	483.544585	12064.75
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	483.904036	14960.095
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1912.538458	46408.72
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	571.884332	11518.05
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	498.97239	14390.73
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	3669.0301	212552.15
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1291.330065	40880.905
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1384.602162	66264.745
Ava silt loam, 2 to 5 percent slopes	C	0.48	2285.898581	66230.915
Ava silt loam, 2 to 5 percent slopes	C	0.48	2304.25869	53972.67
Ava silt loam, 2 to 5 percent slopes	C	0.48	1131.441877	22153.91
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2839.424912	90438.77
Hickory silt loam, 18 to 35 percent slopes	B	0.33	60732.4225	1824519.12
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	1028.819301	21827.15
Water	<Null>	<Null>	206.886138	2001.29
Holton silt loam	C	0.41	585.220617	15777.25
Ava silt loam, 2 to 5 percent slopes	C	0.48	491.865677	10346.12
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	8457.210182	372488.825
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	520.892673	9614.815
Hickory silt loam, 10 to 18 percent slopes	B	0.33	634.228656	15929.905
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1312.622787	24003.905
Ava silt loam, 2 to 5 percent slopes	C	0.48	1676.43657	26565.65
Hickory silt loam, 18 to 35 percent slopes	B	0.33	6268.596571	199250.32
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2930.261073	243856.525
Water	<Null>	<Null>	189.375894	2220.005
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	575.739855	12069.885
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	834.64237	21900.275
Huey silt loam, 0 to 2 percent slopes	D	0.47	484.338722	10082.97
Holton silt loam	C	0.41	19196.13291	806576.905
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	412.345085	11768.815
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2225.103091	60625.505
Hickory silt loam, 18 to 35 percent slopes	B	0.33	32260.26358	971594.755
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	677.784401	18805.91
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2236.695085	165931.86
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	995.839696	53510.64497
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	620.482294	14477.135
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1835.725938	94035.065
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3903.438673	132392.555
Ava silt loam, 2 to 5 percent slopes	C	0.48	5710.378069	160888.875

Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1480.148974	89842.035
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	400.731389	9664.795
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3898.912263	95087.905
Ava silt loam, 2 to 5 percent slopes	C	0.48	4504.741201	177559.85
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2551.99613	68791.63
Ava silt loam, 2 to 5 percent slopes	C	0.48	3290.791883	114594.71
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	825.172714	40012.285
Wirt loam	B	0.4	2240.656777	90270.67
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3916.358857	223333.8008
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	643.203447	14496.425
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2296.628551	216508.025
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	279.354121	3954.878054
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	604.201833	17655.68834
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1346.156692	74215.53
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	652.11543	18448.07
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1902.812034	114734.715
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	705.222187	14183.29
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	1795.096403	60351.05539
Ava silt loam, 2 to 5 percent slopes	C	0.48	4612.86479	172111.76
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1556.414173	45094.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	1281.261356	30006.21
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1789.493299	60043.14
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1538.198773	48321.47
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1726.270628	81793.695
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	913.549443	30141.215
Ava silt loam, 2 to 5 percent slopes	C	0.48	1770.854203	45515.155
Ava silt loam, 2 to 5 percent slopes	C	0.48	368.81991	6800.825
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	361.191253	6633.36
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2247.134049	144786.2
Water	<Null>	<Null>	204.873733	2978.925
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1005.788365	35600.01
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	540.720549	12810.035
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	621.973817	9938.21
Ava silt loam, 2 to 5 percent slopes	C	0.48	3101.493592	77850.385
Ava silt loam, 2 to 5 percent slopes	C	0.48	1124.081186	28848.835
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2692.990114	137349.5238
Huey silt loam, 0 to 2 percent slopes	D	0.47	464.430104	11239.535
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1361.070759	76462.845
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1955.667629	150032.065
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	478.145978	11346.07
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1429.679294	24165.11
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	991.404509	25782.06446
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	669.52724	12646.59
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	533.870712	10603.76
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1415.560028	35443.74
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1474.133623	60790.145
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	572.703843	9538.48

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	790.638643	30540.75793
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1096.360649	27658.585
Ava silt loam, 2 to 5 percent slopes	C	0.48	1701.38755	48554.51
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	963.229888	17702.24
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	886.190007	34436.62
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	21789.22219	1660499.326
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	409.975304	9509.335
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1139.47454	35050.71
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	958.594203	18629.24
Water	<Null>	<Null>	385.396688	9221.165
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1195.264245	36606.98
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	358.678806	7456.21
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	475.320043	10726.92701
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1352.597047	95111.915
Ava silt loam, 2 to 5 percent slopes	C	0.48	1973.323147	57162.775
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1270.651955	37197.13
Ava silt loam, 2 to 5 percent slopes	C	0.48	3136.832761	91115.745
Huey silt loam, 0 to 2 percent slopes	D	0.47	593.320579	10854.75
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	697.365982	15018.84
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	819.374793	28862.675
Hickory silt loam, 18 to 35 percent slopes	B	0.33	44247.31977	1039505.859
Huey silt loam, 0 to 2 percent slopes	D	0.47	440.730479	8826.09
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3195.383783	86907.44
Water	<Null>	<Null>	136.605033	1347.325
Ava silt loam, 2 to 5 percent slopes	C	0.48	8253.251134	226866.1
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	109847.1701	9097084.455
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1336.9795	36438.775
Ava silt loam, 2 to 5 percent slopes	C	0.48	6068.969958	177879.555
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2283.455533	48746.81
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	626.640668	17022.755
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	736.384754	16756.12
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	1111.565648	39948.965
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	11604.37974	602354.3684
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	592.460604	14708.63
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	651.873282	14805.1
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1494.285697	27554.97
Ava silt loam, 2 to 5 percent slopes	C	0.48	4960.707479	177024.075
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	874.626271	48295.765
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9946.203557	349389.675
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	656.821888	16466.59241
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2644.537818	61993.375
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	630.257979	14078.81
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	12289.07551	571057.03
Ava silt loam, 2 to 5 percent slopes	C	0.48	1134.399633	25807.105
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1659.177228	52897.82705
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1491.996196	46364.455
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	423.328576	7878.66

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	498.769965	13197.975
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1670.987803	65325.905
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	946.882568	35124.375
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	990.883658	49564.295
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1838.507918	24928.875
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1240.155521	49714.24
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1905.719744	140419.775
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	419.949869	9221.73
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1452.944259	68665.13
Ava silt loam, 2 to 5 percent slopes	C	0.48	5219.931253	169135.82
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	874.513767	25896.51
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	952.853276	44512.765
Ava silt loam, 2 to 5 percent slopes	C	0.48	5563.365666	181153.205
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2836.962452	372482.52
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	515.287967	15739.5
Water	<Null>	<Null>	246.641009	3664.405
Wirt loam	B	0.4	669.821212	23959.76
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	11872.9921	1290219.23
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2823.54178	106166.505
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	891.981038	21164.35
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	933.52021	24481.955
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1373.634467	63738.14
Ava silt loam, 2 to 5 percent slopes	C	0.48	5243.09311	132948.995
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	787.851022	32283.765
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1406.831689	29447.205
Ava silt loam, 2 to 5 percent slopes	C	0.48	779.745317	15479.725
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2317.905807	66873.05
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	397.218805	8315.885
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	869.895331	24672.98
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	543.276989	12332.405
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	340.791086	5912.465
Ava silt loam, 2 to 5 percent slopes	C	0.48	2993.450424	60502.675
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	885.547074	25502.7
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	426.49649	8957.755
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2176.675159	80312.15
Ava silt loam, 2 to 5 percent slopes	C	0.48	8093.575129	278937.07
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	625.447293	17338.585
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2565.821461	154682.9742
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	648.091166	13368.395
Ava silt loam, 2 to 5 percent slopes	C	0.48	1764.381535	57591.81
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1246.209627	28387.565
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	703.0691	14706.21
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	3628.934831	101239.785
Water	<Null>	<Null>	155.117636	1616.955
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	964.064014	31830.25
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	536.25526	9329.585
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2370.908231	56796.845

Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1248.52697	31197.44
Ava silt loam, 2 to 5 percent slopes	C	0.48	5802.057034	214122.965
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	4627.07765	198025.63
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	760.842061	14501.18
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	748.333294	11601.955
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2034.024105	81567.525
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	380.65635	6575.455
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2357.904309	80745.52
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1398.716313	49225.7
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1071.998604	26547.78
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	514.779405	9861.775
Ava silt loam, 2 to 5 percent slopes	C	0.48	1525.939083	44378.76
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	685.656766	26602.37
Ava silt loam, 2 to 5 percent slopes	C	0.48	2801.002707	152894.685
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	529.500862	10207.905
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	513.222103	14397.575
Hickory silt loam, 18 to 35 percent slopes	B	0.33	47739.69425	1451985.235
Ava silt loam, 2 to 5 percent slopes	C	0.48	1992.003439	51342.655
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	578.123961	13414.145
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3210.345694	90958.32
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1804.583611	60390.05
Ava silt loam, 2 to 5 percent slopes	C	0.48	1704.080396	46287.81
Huey silt loam, 0 to 2 percent slopes	D	0.47	497.267055	11823.175
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	495.504641	8638.16
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	924.641702	13411.445
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	3528.607209	260105.64
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	691.413199	18346.88
Ava silt loam, 2 to 5 percent slopes	C	0.48	1505.535787	40501.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	1328.253613	32996.82
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	547.251429	11866.3
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	815.791299	18939.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	2371.049057	61262.425
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1589.158824	37609.72
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	592.770555	10820.64
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	6555.800302	210499.275
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	701.942897	25835.39
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1048.845701	38389.24
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	926.830369	42964.27
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3254.769361	123067.42
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	674.541638	20345.735
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1515.776597	91568.06
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1286.509721	45316.99
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	500.413741	10324.68
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	897.610796	17167.94302
Water	<Null>	<Null>	214.183392	3221.185
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	590.141861	11598.8
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1226.059454	29682.93

Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	576.711576	9529.485
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1677.847072	62210.095
Ava silt loam, 2 to 5 percent slopes	C	0.48	1235.578383	31260.62
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	958.499665	44667.61
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1950.45221	178115.9
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	503.312457	18143.835
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	780.130777	22778.075
Parke silt loam, 5 to 10 percent slopes, eroded	B	0.38	1457.183098	57882.74
Ava silt loam, 2 to 5 percent slopes	C	0.48	794.105778	23570.5
Ava silt loam, 2 to 5 percent slopes	C	0.48	1656.054166	71703.76
Ava silt loam, 2 to 5 percent slopes	C	0.48	565.832351	11045.01
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	4495.659841	161391.485
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	4663.031219	416107.26
Camden silt loam, 1 to 5 percent slopes	B	0.41	2022.993366	114296.615
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	762.311389	16106.03
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1922.011631	60157.795
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	4120.719893	74322.185
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1844.035675	84451.005
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	706.609681	14028.13
Huey silt loam, 0 to 2 percent slopes	D	0.47	598.356144	11785.76
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	623.750797	15492.84301
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1032.080222	35380.25
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	423.097657	5393.595
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	635.274066	17618.175
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	777.569831	23247.75
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	57537.02605	6552876.244
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3140.38146	88607.46
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1781.768635	92817.75369
Hickory silt loam, 10 to 18 percent slopes	B	0.33	965.526801	20527.13
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	860.500296	16763.425
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3033.503653	144779.68
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1347.326071	56053.8
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2529.270944	72614.125
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1584.166494	42885.28
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3877.554809	82969.35
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	617.025846	19403.44
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	700.194939	29241.675
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	716.470476	18348.485
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1470.95683	50029.42
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	3329.782199	257084.13
Huey silt loam, 0 to 2 percent slopes	D	0.47	2066.440743	81677.77
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	734.740513	18120.395
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	453.847567	14117.02141
Ava silt loam, 2 to 5 percent slopes	C	0.48	373.614344	5867.71
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	262.265849	4318.14
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	488.785835	12033.905
Hickory silt loam, 18 to 35 percent slopes	B	0.33	24075.86092	636354.495

Hickory silt loam, 18 to 35 percent slopes	B	0.33	1512.236078	53982.23
Ava silt loam, 2 to 5 percent slopes	C	0.48	1034.068803	33606.06
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	812.431381	33545.98
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	891.912686	27864.855
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	420.164323	6380.340854
Ava silt loam, 2 to 5 percent slopes	C	0.48	545.926016	12831.78
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2216.917412	41235.865
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	671.541018	29423.945
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	4017.972578	445911.255
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	671.683751	20644.6
Ava silt loam, 2 to 5 percent slopes	C	0.48	547.811986	11524.92
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	770.215054	18883.47
Ava silt loam, 2 to 5 percent slopes	C	0.48	631.130101	17393.14
Huey silt loam, 0 to 2 percent slopes	D	0.47	1273.918666	32158.705
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1076.073466	33193.465
Ava silt loam, 2 to 5 percent slopes	C	0.48	4591.147773	160612.83
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	929.065433	22766.74
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	785.840548	22809.1
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	552.882553	11837.005
Water	<Null>	<Null>	339.021814	5088.145
Water	<Null>	<Null>	204.106159	2209.24
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1378.379938	60801.58
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	695.501874	16550.405
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1589.270679	54191.8
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1051.081418	21189.99
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	986.667149	57911.195
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2365.195647	66138.075
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	6790.818631	701086.09
Shiloh silty clay loam	C/D	0.28	734.929451	30086.275
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1301.962037	28783.255
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	430.346018	9252.335
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	638.925857	16194.255
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	593.263975	16918.79
Ava silt loam, 2 to 5 percent slopes	C	0.48	562.116324	15983.125
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2832.31218	65559.65
Ava silt loam, 2 to 5 percent slopes	C	0.48	570.487671	17644.45
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	560.928216	20441.53
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	945.700029	35972.15
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1715.96331	95620.08
Water	<Null>	<Null>	251.030446	3395.51
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1244.154334	36178.255
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	451.373326	8935.925
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	567.971989	12118.175
Shiloh silty clay loam	C/D	0.28	413.86276	6896.185
Ava silt loam, 2 to 5 percent slopes	C	0.48	1474.397822	36732.735
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	584.94472	15072.47
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	5012.569787	437397.095

Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	22722.257	2234727.035
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	927.642805	19230.23
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2758.589922	251689.025
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2625.924125	47057.855
Ava silt loam, 2 to 5 percent slopes	C	0.48	4363.530114	150734.355
Shiloh silty clay loam	C/D	0.28	2421.525291	132227
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	438.049536	9314.795
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3717.60634	215845.225
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	533.998141	10842.125
Parke silt loam, 1 to 5 percent slopes	B	0.38	713.54583	18759.68
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	863.742326	22418.915
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	455.584026	9515.875
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	4857.480968	301445.045
Water	<Null>	<Null>	230.531504	2367.235
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1893.938781	49613.795
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	789.83439	17499.605
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	644.914454	14543.655
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2279.285535	120745.385
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2333.205462	41814.505
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1210.318883	37229.37061
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2102.560727	134226.85
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4512.64289	119773.68
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1791.942656	60377.245
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2704.988869	70709.59
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	652.08458	22546.08186
Camden silt loam, 1 to 5 percent slopes	B	0.41	834.131875	17630.18
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	9965.984409	261038.435
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	675.190238	20591.61
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	769.426207	20885.91762
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	634.299735	12592.02
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	954.952066	26479.285
Water	<Null>	<Null>	83.567068	425.25
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	635.445494	16773.955
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1385.943234	36410.465
Water	<Null>	<Null>	258.061426	2910.1
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	712.062369	14991.6
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	477.790047	14996.475
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1352.420188	46644.35
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	594.472001	14699.295
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	758.738987	36199.21
Ava silt loam, 2 to 5 percent slopes	C	0.48	3333.248582	93024.515
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	294.262309	5611.765
Ava silt loam, 2 to 5 percent slopes	C	0.48	809.459507	19549.775
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	485.04587	13618.64
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	4121.027182	368971.8566
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7536.516185	303576.42
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	398.698281	9682.705

Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1744.764618	48871.62
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1275.709114	30657.665
Ava silt loam, 2 to 5 percent slopes	C	0.48	1125.396929	20660.06
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1217.025699	37402.845
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	876.711099	16089.885
Ava silt loam, 2 to 5 percent slopes	C	0.48	309.778249	4240.49
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1060.611923	19385.3
Water	<Null>	<Null>	293.466398	2633.115
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2022.884349	43054.765
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	671.141732	21765.41
Hickory silt loam, 18 to 35 percent slopes	B	0.33	8876.911824	289849.835
Huey silt loam, 0 to 2 percent slopes	D	0.47	463.546055	11297.96
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	1448.698174	51965.21
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	381.793683	6321.855
Camden silt loam, 1 to 5 percent slopes	B	0.41	508.150502	10389.645
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1014.419156	31850.48
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	570.600626	15871.27
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	390.568243	7153.328186
Huey silt loam, 0 to 2 percent slopes	D	0.47	569.643281	11678.35
Ava silt loam, 2 to 5 percent slopes	C	0.48	1087.821988	28365.565
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7358.65768	354197.945
Ava silt loam, 2 to 5 percent slopes	C	0.48	676.712371	16598.51
Water	<Null>	<Null>	196.608932	2584.4
Ava silt loam, 2 to 5 percent slopes	C	0.48	476.723639	12456.825
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	526.891458	12910.23
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	948.425199	45985.085
Ava silt loam, 2 to 5 percent slopes	C	0.48	2466.685934	67855.845
Ava silt loam, 2 to 5 percent slopes	C	0.48	999.632578	19442.595
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	45335.3381	4490154.985
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	554.548866	16522.92
Ava silt loam, 2 to 5 percent slopes	C	0.48	1502.292469	37371.935
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	4314.065611	264656.985
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1364.350472	52239.535
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1690.57722	85785.485
Ava silt loam, 2 to 5 percent slopes	C	0.48	621.936832	16056.875
Water	<Null>	<Null>	446.887795	5846.66
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	579.038298	18873.015
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2598.225051	79673.81858
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	859.579979	15622.49838
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1165.821814	61508.685
Water	<Null>	<Null>	355.587951	5582.64
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	846.385476	21765.86
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	17197.18104	675562.3208
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	736.57849	25749.425
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	872.762993	21997.45
Ava silt loam, 2 to 5 percent slopes	C	0.48	918.646654	45280.645
Tamalco silt loam	D	0.4	898.635806	17824.485

Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1964.78627	76215.13
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	896.930148	31280.2
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1187.035508	34941.555
Ava silt loam, 2 to 5 percent slopes	C	0.48	3010.320169	100146.53
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	853.154195	35651.42
Ava silt loam, 2 to 5 percent slopes	C	0.48	571.513895	14283.345
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	5299.290075	258313.72
Ava silt loam, 2 to 5 percent slopes	C	0.48	1756.405255	84520.96
Ava silt loam, 2 to 5 percent slopes	C	0.48	927.883217	23210.635
Ava silt loam, 2 to 5 percent slopes	C	0.48	678.367189	25448.025
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2159.509734	103920.965
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	813.180709	36219.755
Water	<Null>	<Null>	193.053196	2367.69
Ava silt loam, 2 to 5 percent slopes	C	0.48	914.632229	18214.885
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	514.493261	8940.265
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	403.505627	8645.228951
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	933.663531	41663.44426
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	834.877705	26712.495
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1220.782327	27473.745
Ava silt loam, 2 to 5 percent slopes	C	0.48	1382.837646	55069
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1995.363959	91110.61
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1143.136069	21786.505
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2785.199848	47767.285
Water	<Null>	<Null>	160.146973	1667.21
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	890.491277	21406.11
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	447.341252	8435.435
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	603.289354	15288.585
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1194.457602	41355.49
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	4290.059252	137489.685
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	75033.7962	3846482.725
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3395.707262	235011
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1746.660658	58378.125
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1121.94429	56961.56
Wirt loam	B	0.4	3586.555646	207196.49
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	741.803035	21650.125
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	605.946395	12382.81
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1927.08347	69602.55
Huey silt loam, 0 to 2 percent slopes	D	0.47	371.072552	8873.835
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2263.821411	46402.27
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3630.478301	111543.175
Ava silt loam, 2 to 5 percent slopes	C	0.48	5032.757576	147393.73
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1978.53196	74431.055
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	514.28213	16346.115
Water	<Null>	<Null>	756.954468	13161.595
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	482.510478	9342.965
Ava silt loam, 2 to 5 percent slopes	C	0.48	2195.261672	50099.57
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1494.713347	109511.615

Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	624.217811	18665.395
Huey silt loam, 0 to 2 percent slopes	D	0.47	537.18835	10219.79
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	2432.079681	130317.04
Tamalco silt loam	D	0.4	1360.377815	49529.195
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	728.082798	20768.705
Ava silt loam, 2 to 5 percent slopes	C	0.48	766.123787	22837.28
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1043.544159	34151.585
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4330.948784	190510.435
Hickory silt loam, 18 to 35 percent slopes	B	0.33	760.624092	12983.665
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1459.762058	49032.365
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	784.690988	13420.57
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1493.205613	38806.92
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	582.00057	8943.955
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	371.42087	6998.16
Ava silt loam, 2 to 5 percent slopes	C	0.48	668.806587	20310.025
Ava silt loam, 2 to 5 percent slopes	C	0.48	2396.883574	69034.435
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1121.728416	46611.78
Hickory silt loam, 18 to 35 percent slopes	B	0.33	4538.236576	142687.72
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	776.158997	27453.735
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	801.868795	28630.555
Ava silt loam, 2 to 5 percent slopes	C	0.48	638.794123	18460.05
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1059.281592	31958.74
Water	<Null>	<Null>	157.63939	1723.355
Ava silt loam, 2 to 5 percent slopes	C	0.48	5972.053916	330802.775
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	580.719792	11630.58
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	956.871132	53640.61
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	933.915657	47597.41
Ava silt loam, 2 to 5 percent slopes	C	0.48	1479.05608	40056.045
Water	<Null>	<Null>	415.107635	5864.04
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1348.607323	44342.625
Hickory silt loam, 10 to 18 percent slopes	B	0.33	3451.649008	101557.93
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2316.04904	145033.63
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1398.637948	93961.605
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2687.165385	160528.41
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	864.569536	33438.29
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1186.519878	29653.935
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	868.337751	17563.96007
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1711.37357	58342.445
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	4726.366354	148134.13
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	697.079667	30591.05
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	675.98427	15196.425
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2225.700551	97497.995
Ava silt loam, 2 to 5 percent slopes	C	0.48	1329.072461	57029.975
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	813.882172	39125.855
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	15340.64035	1176832.447
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	655.16984	21558.5069
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	2423.826772	167235.735

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	532.987086	13454.035
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	839.516869	19275.99931
Ava silt loam, 2 to 5 percent slopes	C	0.48	2429.54726	67158.58
Wirt loam	B	0.4	4645.068429	147600.69
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	842.890077	32496.935
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10416.75575	1029844.035
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1825.080281	65331.665
Ava silt loam, 2 to 5 percent slopes	C	0.48	720.770956	15436.075
Water	<Null>	<Null>	253.483573	3536.335
Hickory silt loam, 10 to 18 percent slopes	B	0.33	6832.295516	166024.225
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2643.934101	89043.06
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	509.879315	15991.62
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	399.247153	6635.89
Grantfork silty clay loam, 2 to 5 percent slopes, eroded	C	0.39	1302.965636	47187.685
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	221.108174	3306.978506
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	519.707463	10018.33
Ava silt loam, 2 to 5 percent slopes	C	0.48	2168.595857	67887.835
Water	<Null>	<Null>	172.165262	2052.475
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	621.708824	14774.84
Ava silt loam, 2 to 5 percent slopes	C	0.48	3099.957322	92798.855
Ava silt loam, 2 to 5 percent slopes	C	0.48	1208.662445	38786.015
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	968.780591	52127.93
Ava silt loam, 2 to 5 percent slopes	C	0.48	3127.070905	98137.665
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	463.356031	10025.74
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	980.957982	19450.48
Ava silt loam, 2 to 5 percent slopes	C	0.48	4584.198634	116020.975
Ava silt loam, 2 to 5 percent slopes	C	0.48	529.092914	10690.695
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	818.052611	44483.315
Hickory silt loam, 10 to 18 percent slopes	B	0.33	7781.874134	272233.585
Ava silt loam, 2 to 5 percent slopes	C	0.48	4037.745624	134237.37
Wirt loam	B	0.4	4642.780289	210837.045
Water	<Null>	<Null>	221.892981	2286.21
Hickory silt loam, 10 to 18 percent slopes	B	0.33	865.877221	21894.27
Ava silt loam, 2 to 5 percent slopes	C	0.48	1774.199402	57407.64
Water	<Null>	<Null>	174.655289	1936.815
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	859.82312	22649.75
Ava silt loam, 2 to 5 percent slopes	C	0.48	597.482896	11487.82
Water	<Null>	<Null>	801.860832	15166.19
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4600.059828	354648.7445
Ava silt loam, 2 to 5 percent slopes	C	0.48	3815.308543	103456.965
Ava silt loam, 2 to 5 percent slopes	C	0.48	1145.16958	31709.095
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2944.954492	171147.45
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	429.025449	9277.16
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1226.557059	25741.945
Ava silt loam, 2 to 5 percent slopes	C	0.48	1703.323473	43139.68
Ava silt loam, 2 to 5 percent slopes	C	0.48	764.847692	21275.17
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	397.389971	9696.63

Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	478.151213	9616.125
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	452.267229	11601.6
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	392.038383	9559.63
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3456.479853	99016.615
Ava silt loam, 2 to 5 percent slopes	C	0.48	2446.325612	43945.22
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	96.083033	277.320368
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1807.117286	107375.64
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1751.691439	43697.015
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2285.591585	87825.115
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1202.850333	50484.35
Ava silt loam, 2 to 5 percent slopes	C	0.48	527.505303	10272.635
Hickory silt loam, 18 to 35 percent slopes	B	0.33	742.727367	13081.25
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	437.701085	10831.99649
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3062.936341	90820.07
Water	<Null>	<Null>	239.491085	2870.615
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	681.131329	21316.5
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3074.715503	104163.8961
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2194.156802	64046.73
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	477.590104	12447.205
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	2205.538851	80171.34
Ava silt loam, 2 to 5 percent slopes	C	0.48	11560.45636	375073.62
Ava silt loam, 2 to 5 percent slopes	C	0.48	15051.33937	462197.755
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	4441.4232	519262.01
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	6577.720699	205999.2
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	800.279256	29211.95
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	7035.760421	437564.17
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1260.463804	67633.22
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2087.557451	53590.955
Hickory silt loam, 18 to 35 percent slopes	B	0.33	7663.44993	241088.11
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2114.758993	131458.965
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	568.662328	17047.15
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	448.251066	7288.17
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	557.513412	14636.165
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	18715.79041	2035474.35
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	686.411818	24265.8
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	3885.628085	167023.62
Hickory silt loam, 10 to 18 percent slopes	B	0.33	567.842139	10542.685
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1137.304358	57018.7
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3708.484676	131070.63
Ava silt loam, 2 to 5 percent slopes	C	0.48	2783.25368	103827.66
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1204.020216	53290.74
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1575.544414	103523.9858
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2460.65363	111382.68
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10904.45894	703866.055
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1112.832663	23795.785
Ava silt loam, 2 to 5 percent slopes	C	0.48	6229.356778	210600.705
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1122.995324	63146.515

Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	829.931429	38823.87
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2254.848106	78091.565
Tamalco silt loam	D	0.4	848.958967	41234.365
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	549.658409	18060.22
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1060.565117	23507.415
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2043.14074	52199.255
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	392.759983	9413.79
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2868.932474	62254.675
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	416.419797	6848.692679
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	853.141749	17397.535
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	384.458627	10733.68
Ava silt loam, 2 to 5 percent slopes	C	0.48	490.995764	10326.15
Wirt loam	B	0.4	957.584165	30018.145
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1015.77009	32381.22
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	808.156858	36548.235
Ava silt loam, 2 to 5 percent slopes	C	0.48	6915.949483	294270.41
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	459.609047	11403.92
Wirt loam	B	0.4	2943.632727	98767.005
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	660.802606	14995.37
Shiloh silty clay loam	C/D	0.28	303.048531	3570.813241
Ava silt loam, 2 to 5 percent slopes	C	0.48	481.649254	7404.535
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	734.939471	14055.47
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	420.819409	11295.945
Ava silt loam, 2 to 5 percent slopes	C	0.48	533.223099	11299.445
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	505.608635	8675.74
Ava silt loam, 2 to 5 percent slopes	C	0.48	6063.616162	179278.395
Hickory silt loam, 18 to 35 percent slopes	B	0.33	15808.5124	504800.595
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2031.116416	39007.56
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2888.358944	64263.055
Ava silt loam, 2 to 5 percent slopes	C	0.48	1578.983223	41586.94
Ava silt loam, 2 to 5 percent slopes	C	0.48	585.776544	15255.37
Water	<Null>	<Null>	1021.545901	23801.85
Hickory silt loam, 10 to 18 percent slopes	B	0.33	793.494202	18347.39
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	954.368098	23217.095
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1368.273039	52684.05
Huey silt loam, 0 to 2 percent slopes	D	0.47	724.481141	14275.12
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1056.168679	24303.81
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2669.01212	116949.175
Water	<Null>	<Null>	281.734867	3303.225
Hickory silt loam, 10 to 18 percent slopes	B	0.33	5602.457657	226109.085
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2081.665112	136803.545
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	877.983689	27928.74
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	416.992369	10033.12
Water	<Null>	<Null>	485.244616	6446.74
Water	<Null>	<Null>	630.518405	13977.17
Water	<Null>	<Null>	214.382448	2312.9
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	36016.38313	3752142.736

Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1234.587738	42609.11
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	5719.196393	353118.51
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4895.96363	204801.13
Ava silt loam, 2 to 5 percent slopes	C	0.48	3117.461946	179128.45
Ava silt loam, 2 to 5 percent slopes	C	0.48	3829.568253	143454.335
Water	<Null>	<Null>	535.622971	6556.705
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	479.504623	9010.695
Ava silt loam, 2 to 5 percent slopes	C	0.48	2941.358308	76149.935
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	725.50245	23398.655
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	9010.597576	463623.89
Ava silt loam, 2 to 5 percent slopes	C	0.48	3331.436289	68688.76
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2015.712952	132394.525
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1629.485916	100889.1827
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	724.377233	23743.085
Ava silt loam, 2 to 5 percent slopes	C	0.48	10560.46995	353250.26
Ava silt loam, 2 to 5 percent slopes	C	0.48	1050.207908	26005.86
Water	<Null>	<Null>	251.797502	2356.79
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	479.170551	12225.38
Wirt loam	B	0.4	1642.534336	49882.87
Ava silt loam, 2 to 5 percent slopes	C	0.48	3733.263276	154981.015
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	397.333483	10171.425
Ava silt loam, 2 to 5 percent slopes	C	0.48	814.718366	14185.205
Hickory silt loam, 18 to 35 percent slopes	B	0.33	18439.07089	578868.325
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3058.079426	87260.665
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1182.39631	44638.53
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	540.963341	12283.08
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1179.820625	37015.315
Water	<Null>	<Null>	339.278675	4363.735
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	709.298734	16171.995
Ava silt loam, 2 to 5 percent slopes	C	0.48	2176.532051	69657.875
Water	<Null>	<Null>	241.859713	3156.77
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	771.326619	18998.21
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	1303.808241	33144.06
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	869.510677	21153
Wirt loam	B	0.4	335.60696	4910.782962
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	775.381311	23835.3
Ava silt loam, 2 to 5 percent slopes	C	0.48	936.870533	32013.02
Ava silt loam, 2 to 5 percent slopes	C	0.48	465.144782	9117.32
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	16521.15719	920929.285
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1046.218312	45344.69
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	580.452142	15777.115
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	604.078166	15158.09
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	533.786122	13618.66
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1242.307356	71459.8
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	478.451324	12163.51851
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	786.23525	34670.615
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	2232.539978	131705.785

Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	465.75714	8367.125
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	4839.104786	122109.37
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1670.00215	76083.37
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	349.697069	6997.55
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3147.236236	69081.12
Huey silt loam, 0 to 2 percent slopes	D	0.47	628.245189	14498.135
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2769.555259	89313.455
Ava silt loam, 2 to 5 percent slopes	C	0.48	2558.957623	79330.35
Huey silt loam, 0 to 2 percent slopes	D	0.47	448.4313	9128.295
Ava silt loam, 2 to 5 percent slopes	C	0.48	1207.510483	25020.98
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	825.302322	36189.17
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	747.797131	15182.105
Ava silt loam, 2 to 5 percent slopes	C	0.48	2795.555393	66009.605
Ava silt loam, 2 to 5 percent slopes	C	0.48	1469.283969	41280.945
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	532.540134	14461.92
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	799.078738	24296.47
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1071.195108	53423.215
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1645.145047	25530.155
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	519.516606	14330.68
Ava silt loam, 2 to 5 percent slopes	C	0.48	5285.350578	183825.37
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	450.140851	9416.22
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	943.022835	51034.915
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3528.81645	127709.905
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1999.134093	181474.74
Ava silt loam, 2 to 5 percent slopes	C	0.48	1067.8461	35016.57
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1083.241408	27007.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	2299.061917	72465.26
Ava silt loam, 2 to 5 percent slopes	C	0.48	988.161992	38185.6
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1057.452124	32572.25
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1525.908319	25817.915
Water	<Null>	<Null>	439.171055	12230.805
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2292.447026	56419.155
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	894.154403	28209.9
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	800.738705	32836.855
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1754.365713	41725.23
Huey silt loam, 0 to 2 percent slopes	D	0.47	426.075648	9698.670349
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	455.99519	8274.47
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1094.814796	43422.42
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	941.317643	27645.66
Ava silt loam, 2 to 5 percent slopes	C	0.48	2267.568856	103083.162
Ava silt loam, 2 to 5 percent slopes	C	0.48	4607.737338	157677.09
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	932.538461	20838.285
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2134.279095	64813.07
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1728.607268	78699.505
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	694.592184	24933.08
Water	<Null>	<Null>	275.394717	3647.01
Holton silt loam	C	0.41	26282.72073	2234002.055

Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	763.61311	18541.645
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	673.963997	17647.905
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1686.720053	42969.675
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1954.930239	128759.86
Parke silt loam, 1 to 5 percent slopes	B	0.38	1351.814952	67922.365
Ava silt loam, 2 to 5 percent slopes	C	0.48	5624.429752	157254.535
Hickory silt loam, 18 to 35 percent slopes	B	0.33	5019.133631	115633.78
Huey silt loam, 0 to 2 percent slopes	D	0.47	515.572353	10395.075
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	809.550794	20321.655
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	567.735055	17012.46
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2659.45081	73086.39713
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	418.745725	11266.55
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	539.340539	9128.67
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	746.099895	17004.67
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1430.123005	60913.23
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	15672.09468	1914727.203
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1792.737941	54464.445
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	577.771584	19256.275
Huey silt loam, 0 to 2 percent slopes	D	0.47	346.018647	5933.14
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	508.994712	11436.34
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1476.195991	44415.33
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	251.682396	2544.672171
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	559.462285	19338.33276
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	419.044049	7604.57
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	355.083471	7528.095
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2547.241895	71676.965
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	16796.86742	448467.66
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	589.068207	16561.68
Ava silt loam, 2 to 5 percent slopes	C	0.48	865.169027	34375.395
Hickory silt loam, 10 to 18 percent slopes	B	0.33	607.818979	13723.405
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1318.463252	69443.975
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3279.424216	172496.215
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1314.451045	39100.495
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1793.3778	39725.25
Water	<Null>	<Null>	247.479167	3033.63
Ava silt loam, 2 to 5 percent slopes	C	0.48	3094.532878	76933.78
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	579.261606	14742.03
Water	<Null>	<Null>	251.634954	2440.435
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2608.360664	89564.83
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	389.214811	7556.06
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	853.991761	34920.90204
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2003.87901	65996.635
Huey silt loam, 0 to 2 percent slopes	D	0.47	802.667278	31158.675
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	508.116745	13482.39
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	2845.790607	86554.48
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	476.846495	10335.475
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1069.855486	44034.3

Ava silt loam, 2 to 5 percent slopes	C	0.48	1746.644606	46274.7
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2072.689747	43015.055
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	681.952641	17879.25
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	4953.8853	170755.81
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	683.881651	14493.84
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1227.918059	39852.355
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	302.323419	6494.835
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	625.315514	13903.28
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	293.21567	2928.751848
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	1306.262767	43438.86
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	730.53341	18168.4
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	11922.28665	945756.8878
Camden silt loam, 1 to 5 percent slopes	B	0.41	1745.290912	42128.505
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	393.779368	8148.37
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	710.703058	19278.115
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	376.888004	7963.45
Hickory silt loam, 10 to 18 percent slopes	B	0.33	3567.363557	119945.76
Huey silt loam, 0 to 2 percent slopes	D	0.47	563.3051	19677.80946
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	987.048575	19472.18
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	415.086172	7970.14
Ava silt loam, 2 to 5 percent slopes	C	0.48	11577.9283	328918.135
Ava silt loam, 2 to 5 percent slopes	C	0.48	3343.431252	83810.52
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	4154.398861	212003.905
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1473.290015	84648.57
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	8587.297622	429771.16
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1601.697247	52264.785
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	520.645089	10918.99
Ava silt loam, 2 to 5 percent slopes	C	0.48	2675.898566	113017.91
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1132.033706	42380.54
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2185.547974	94096.825
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	897.105808	29093.64
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	645.850665	15833.96
Shiloh silty clay loam	C/D	0.28	353.556226	7421.675
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1057.471164	57393.91
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	364.971184	7090.97
Huey silt loam, 0 to 2 percent slopes	D	0.47	489.319558	10345.565
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1503.171254	37653.8
Water	<Null>	<Null>	388.149233	3894.405
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	816.067834	22581.205
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	454.785518	8033.175
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	853.604476	18706.06
Ava silt loam, 2 to 5 percent slopes	C	0.48	6880.740248	176589.9979
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9217.340994	452720.3089
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	4097.148344	239283.23
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1475.33322	59249.48
Ava silt loam, 2 to 5 percent slopes	C	0.48	2458.914788	64395.935
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1815.105399	43103.73

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	723.544761	33897.36
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	511.767258	11993.17
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	621.075417	11551.935
Hickory silt loam, 18 to 35 percent slopes	B	0.33	850.335142	16114.84
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3369.764426	234979.84
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	389.735637	8228.685
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	405.788129	8598.64
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	894.492352	24519.355
Ava silt loam, 2 to 5 percent slopes	C	0.48	1549.489156	39941.29
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1321.464372	56314.115
Water	<Null>	<Null>	162.0223	1462.535
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	470.69087	12867.835
Ava silt loam, 2 to 5 percent slopes	C	0.48	2101.792401	83473.865
Shiloh silty clay loam	C/D	0.28	1473.812453	83989.355
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1729.45688	53336.12
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	504.796402	14419.105
Ava silt loam, 2 to 5 percent slopes	C	0.48	725.805111	19104.935
Ava silt loam, 2 to 5 percent slopes	C	0.48	2360.775686	65411.84
Huey silt loam, 0 to 2 percent slopes	D	0.47	433.839167	8074.4
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1969.425372	73362.43
Water	<Null>	<Null>	316.338564	4290.695
Shiloh silty clay loam	C/D	0.28	674.226675	16924.495
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1704.12894	47508.315
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3886.638048	152750.075
Ava silt loam, 2 to 5 percent slopes	C	0.48	944.865729	18813.025
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1637.4951	91329.045
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	725.872597	27174.88
Huey silt loam, 0 to 2 percent slopes	D	0.47	147.801575	691.366252
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3986.214657	344107.57
Camden silt loam, 1 to 5 percent slopes	B	0.41	685.119736	25198.635
Ava silt loam, 2 to 5 percent slopes	C	0.48	1024.983111	44957.14
Water	<Null>	<Null>	216.544148	3028.28
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	582.991379	14778.565
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	553.824375	12614.035
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1369.77114	52090.98
Water	<Null>	<Null>	83.084278	415.375
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	834.872652	16846.425
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	796.238427	23199.125
Ava silt loam, 2 to 5 percent slopes	C	0.48	6538.382648	309898.73
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	2416.561979	147384.115
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	839.841658	18283.8
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1240.387689	36443.845
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	360.083534	8173.315
Ava silt loam, 2 to 5 percent slopes	C	0.48	2977.656722	86938.21
Ava silt loam, 2 to 5 percent slopes	C	0.48	7060.500009	188696.04
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10132.51547	477045.085
Ava silt loam, 2 to 5 percent slopes	C	0.48	4478.067871	136385.555

Water	<Null>	<Null>	173.881385	1682.5
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2838.02538	105090.975
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2232.431546	165797.14
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	959.756426	35246.625
Wirt loam	B	0.4	2906.905489	154881.46
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	650.315529	21848.33
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	237.279525	2524.710522
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1291.412478	33940.185
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1137.007237	20680.49
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9033.933324	580167.015
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2824.022262	77445.115
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1535.254626	84500.095
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	966.023024	35116.065
Ava silt loam, 2 to 5 percent slopes	C	0.48	1015.173118	16695.17
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	860.547906	36545.655
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	548.779718	11050.85
Wirt loam	B	0.4	3313.888358	193715.45
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	413.839739	9497.94
Water	<Null>	<Null>	196.429395	2806.69
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	373.743615	8698.84
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	649.234399	9673.03
Parke silt loam, 5 to 10 percent slopes, eroded	B	0.38	1697.11438	69547.65
Huey silt loam, 0 to 2 percent slopes	D	0.47	439.324367	13630.445
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2774.886989	127205.0226
Water	<Null>	<Null>	224.948095	2845.755
Ava silt loam, 2 to 5 percent slopes	C	0.48	3138.215587	99326.45
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	622.802076	18459.275
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3963.279221	131785.05
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3194.969359	135312.91
Water	<Null>	<Null>	284.413126	2924.76
Huey silt loam, 0 to 2 percent slopes	D	0.47	306.265827	6257.325
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	764.486944	15711.07
Ava silt loam, 2 to 5 percent slopes	C	0.48	1373.153141	54749.445
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	709.028182	28468.215
Ava silt loam, 2 to 5 percent slopes	C	0.48	1606.56729	42074.265
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	547.19937	13860.995
Ava silt loam, 2 to 5 percent slopes	C	0.48	4312.20369	128974.32
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	481.613618	13039.715
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	4860.994408	245114.425
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	320.793873	5549.31
Water	<Null>	<Null>	174.578688	1956.755
Water	<Null>	<Null>	288.252315	4377.365
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3387.017844	95669.055
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	429.327998	4127.356704
Parke silt loam, 1 to 5 percent slopes	B	0.38	992.806168	28654.855
Ava silt loam, 2 to 5 percent slopes	C	0.48	1209.984659	54429.095
Ava silt loam, 2 to 5 percent slopes	C	0.48	7291.393022	212382.22

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	488.047387	15092.08
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2954.785108	138334.175
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1950.361081	41180.955
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	363.710707	9581.77
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3854.59086	349738.81
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1133.452106	57572.435
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	423.359974	8527.95
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2162.488217	73386.735
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	576.060488	14243.63
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	753.47941	24865.95
Huey silt loam, 0 to 2 percent slopes	D	0.47	464.410792	12213.88
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	211.72076	1460.128956
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1686.832028	81539.535
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	2163.982703	111354.46
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	556.450486	10769.305
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1711.515089	146355.955
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1246.331712	42675.825
Water	<Null>	<Null>	167.00918	1596.985
Ava silt loam, 2 to 5 percent slopes	C	0.48	1267.123948	40977.71
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	5765.367584	249140.87
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	524.467022	13798.685
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	3761.22196	102518.15
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	738.814384	18122.16
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1268.569209	33730.565
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9939.126346	630828.125
Ava silt loam, 2 to 5 percent slopes	C	0.48	1995.367286	63304.02
Ava silt loam, 2 to 5 percent slopes	C	0.48	12558.79301	473003.56
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3034.832025	233674.065
Ava silt loam, 2 to 5 percent slopes	C	0.48	3822.004946	148757.28
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	915.003839	27314.135
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	542.768643	11705.065
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2793.666069	83834.75
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1358.329284	57194.985
Water	<Null>	<Null>	135.378687	1342.07
Water	<Null>	<Null>	186.921178	1573.145
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1066.229552	60101.95
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	22426.49195	1919165.468
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	17679.49634	678217.595
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	425.010481	8168.405
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1158.26491	38986.705
Ava silt loam, 2 to 5 percent slopes	C	0.48	2806.293633	138090.885
Ava silt loam, 2 to 5 percent slopes	C	0.48	437.999961	9231.17
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	696.87561	30955.855
Water	<Null>	<Null>	231.45045	3100.36
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2755.169949	173399.795
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	449.779392	13318.885
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	730.084916	17699.1

Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	831.184844	15252.455
Hickory silt loam, 18 to 35 percent slopes	B	0.33	9739.470341	274864.095
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	942.483278	19154.57
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	12303.19222	803611.74
Hickory silt loam, 10 to 18 percent slopes	B	0.33	893.103198	21359.21
Hickory silt loam, 18 to 35 percent slopes	B	0.33	957.94463	32537.975
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2156.731578	60005.825
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	597.225268	20532.99
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	541.909407	14915.66
Wirt loam	B	0.4	3949.422013	190953.16
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	750.969317	20344.925
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1225.228032	47642.49
Ava silt loam, 2 to 5 percent slopes	C	0.48	7529.096551	189120.59
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1147.326057	41085.38
Water	<Null>	<Null>	281.828634	4791.235
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	679.219151	14693.4
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	15928.26728	2022937.48
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1461.131362	38789.375
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	869.831932	18787.795
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	883.185971	33464.555
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	13472.31129	1528811.23
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	985.860825	27165.27
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	15735.33601	1296394.423
Ava silt loam, 2 to 5 percent slopes	C	0.48	646.633428	17185.925
Ava silt loam, 2 to 5 percent slopes	C	0.48	2723.392484	79443.925
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10283.43654	605291.725
Huey silt loam, 0 to 2 percent slopes	D	0.47	935.666384	40542.28
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	3625.434559	228469.73
Ava silt loam, 2 to 5 percent slopes	C	0.48	1498.987593	50706.795
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1927.853056	115524.185
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	686.033091	19116.29
Hickory silt loam, 18 to 35 percent slopes	B	0.33	689.039678	11644.135
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1804.334419	36214.115
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	436.939915	13082.73
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2891.653325	94729.17
Ava silt loam, 2 to 5 percent slopes	C	0.48	6638.91566	237998.55
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	750.319968	20839.455
Ava silt loam, 2 to 5 percent slopes	C	0.48	728.843385	20551.04
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1903.361367	39913.58
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	340.778676	6713.915
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1801.106598	41077.61
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1646.693695	126170.4557
Hickory silt loam, 10 to 18 percent slopes	B	0.33	221.765808	2259.622114
Tamalco silt loam	D	0.4	573.876305	20050.455
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	553.973789	15896.45
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	525.043772	13606.915
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2395.246698	94815.5

Water	<Null>	<Null>	209.884516	2649.15
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	561.134964	16492.75
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	606.181884	14918.68328
Ava silt loam, 2 to 5 percent slopes	C	0.48	5981.679261	279314.96
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	581.229636	13542.94
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	5092.528816	358751.44
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2527.545887	74301.855
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	4327.177814	159579.35
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3056.519695	70000.525
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1663.069997	70855.11
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	1935.980071	49618.925
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	449.21561	9260.463792
Water	<Null>	<Null>	363.247776	5621.095
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6584.674394	357978.095
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	445.738805	8617.835
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3416.198779	183319.0882
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1911.393065	96032.32321
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	370.57704	7239.27
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1279.284798	46878.615
Water	<Null>	<Null>	260.653044	3534.57
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	430.880152	9515.935
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	631.485733	17419.395
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	640.432802	13051.055
Hickory silt loam, 18 to 35 percent slopes	B	0.33	5118.276228	131982.585
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	470.100331	9155.63
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	687.482224	31286.495
Water	<Null>	<Null>	271.420575	3324.815
Wirt loam	B	0.4	619.175099	14470.215
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	701.006247	16884.425
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	601.582373	17271.905
Hickory silt loam, 18 to 35 percent slopes	B	0.33	6612.169984	232310.065
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1835.037922	85875.265
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2251.192428	89067.49169
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	690.549226	25315.55
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	657.997262	12488.645
Ava silt loam, 2 to 5 percent slopes	C	0.48	4816.290821	174336.33
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	767.276285	15593.27
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1459.233375	42268.93
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2161.672873	79270.295
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2577.126968	152093.84
Ava silt loam, 2 to 5 percent slopes	C	0.48	2399.684869	60727.64
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	968.871964	19792.785
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	789.431285	25873.265
Water	<Null>	<Null>	172.29074	1911.81
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2192.221892	71599.18
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	364.125212	7550.005
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	13706.06853	1115680.535

Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	15098.18695	1480744.385
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	969.692977	61211.265
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	231.717805	3203.17
Ava silt loam, 2 to 5 percent slopes	C	0.48	9465.774353	374748.865
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	538.843267	12936.455
Ava silt loam, 2 to 5 percent slopes	C	0.48	2994.067148	124435.63
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7256.03718	338923.16
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	540.846351	9279.02
Huey silt loam, 0 to 2 percent slopes	D	0.47	414.757755	9061.795
Hickory silt loam, 10 to 18 percent slopes	B	0.33	5651.506301	158153.355
Huey silt loam, 0 to 2 percent slopes	D	0.47	740.69898	15235.34
Ava silt loam, 2 to 5 percent slopes	C	0.48	356.29262	7317.67
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	485.190585	12591.75142
Ava silt loam, 2 to 5 percent slopes	C	0.48	959.596008	38939.785
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1078.086253	29477.59
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1763.655785	61337.225
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	13873.94816	790870.69
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1671.453907	59121.745
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	3629.884207	166668.235
Hickory silt loam, 18 to 35 percent slopes	B	0.33	19900.91502	497008.145
Ava silt loam, 2 to 5 percent slopes	C	0.48	2445.578339	69487.68
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	594.00191	11544.5
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1166.841892	39246.565
Hickory silt loam, 18 to 35 percent slopes	B	0.33	12290.94011	328417.445
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	438.504378	11096.36
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	61.257438	62.265112
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9057.502129	507633.44
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	401.262024	11146.23014
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2537.111542	146021.5951
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1332.342476	33983.01
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	4308.540372	200217.845
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	933.738707	31064.675
Water	<Null>	<Null>	171.033828	1872.715
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	517.73973	10068.945
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1461.887336	49001.15
Ava silt loam, 2 to 5 percent slopes	C	0.48	790.271509	22331.165
Hickory silt loam, 18 to 35 percent slopes	B	0.33	16852.41103	500491.29
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	923.929595	37372.28
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	725.779101	27584.21
Water	<Null>	<Null>	189.90914	1763.79
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	598.489069	18557.795
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	456.297398	10604.505
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	680.355095	28333.335
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	9842.156079	491235.1063
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1694.60532	37991.62
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	565.998011	14765.9
Shiloh silty clay loam	C/D	0.28	1924.095368	111243.91

Huey silt loam, 0 to 2 percent slopes	D	0.47	544.71526	16485.215
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	530.273558	14369.85
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1515.963726	48478.645
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1312.066349	26836.195
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1523.446969	52411.75
Hickory silt loam, 18 to 35 percent slopes	B	0.33	11114.34213	304491.2
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1891.593381	46218.615
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1354.153547	33390.15
Ava silt loam, 2 to 5 percent slopes	C	0.48	423.688055	10918.415
Water	<Null>	<Null>	254.606604	3214.425
Camden silt loam, 1 to 5 percent slopes	B	0.41	806.195365	35534.765
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2955.699428	142259.035
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	905.628458	9127.07
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	535.187712	14287.63
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3586.289847	96706.715
Hickory silt loam, 10 to 18 percent slopes	B	0.33	599.174847	13599
Hickory silt loam, 18 to 35 percent slopes	B	0.33	10308.09799	252927.2
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1532.086422	59683.72717
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	457.59857	10977.42
Ava silt loam, 2 to 5 percent slopes	C	0.48	3851.327843	159280.005
Ava silt loam, 2 to 5 percent slopes	C	0.48	8396.816272	317441.445
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	718.617492	18629.955
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2826.840728	59376.955
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	561.110949	15687.245
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	15738.4498	1200780.93
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	874.320053	21867.515
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2153.734544	55567.6
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	350.990324	6050.765
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	945.296818	27006.76
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3768.002601	280766.35
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	182.293357	645.149698
Huey silt loam, 0 to 2 percent slopes	D	0.47	792.370727	24519.835
Water	<Null>	<Null>	455.229078	5179.31
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	411.365616	7222.57
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1148.273682	58036.645
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	6814.832214	591251.565
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	927.843028	33807.885
Water	<Null>	<Null>	177.547978	1506.875
Ava silt loam, 2 to 5 percent slopes	C	0.48	3615.181571	86953.64973
Ava silt loam, 2 to 5 percent slopes	C	0.48	3280.455081	96115.115
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3313.832891	98704.5
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	460.096972	11012.505
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	849.865738	36236.39
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1165.673652	54674.7
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	413.021611	9312.575
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1087.746311	28371.77
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	554.384557	17913.175

Huey silt loam, 0 to 2 percent slopes	D	0.47	1046.11237	31420.895
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1616.142615	96142.67
Water	<Null>	<Null>	171.779765	1570.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	736.975515	14186.51
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1469.59951	70192.825
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1877.393479	49886.17
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2068.06698	61844.73
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	472.147749	14472.41
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1475.992728	38437.785
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4350.40474	166431.58
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2870.513886	177592.29
Ava silt loam, 2 to 5 percent slopes	C	0.48	2832.94761	100026.465
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	768.391923	24122.945
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1978.195406	110172.485
Ava silt loam, 2 to 5 percent slopes	C	0.48	1927.347804	35944.02
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	5241.17035	243105.7951
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	699.917626	16842.95
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	492.511072	16784.59
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1445.745314	34417.05
Ava silt loam, 2 to 5 percent slopes	C	0.48	3550.940972	145714.545
Huey silt loam, 0 to 2 percent slopes	D	0.47	645.125331	18738.705
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	911.467912	35552.37858
Ava silt loam, 2 to 5 percent slopes	C	0.48	3044.433794	86247.39
Water	<Null>	<Null>	560.312518	21519.44
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2058.636191	61267.135
Huey silt loam, 0 to 2 percent slopes	D	0.47	425.533694	7849.475
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1969.236868	79013.58
Huey silt loam, 0 to 2 percent slopes	D	0.47	591.212958	17746.755
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	500.541104	14769.74
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	435.756477	8997.652448
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	708.895949	11488.53601
Ava silt loam, 2 to 5 percent slopes	C	0.48	4423.686119	101382.42
Ava silt loam, 2 to 5 percent slopes	C	0.48	2039.056676	44488.865
Ava silt loam, 2 to 5 percent slopes	C	0.48	2051.951362	64581.55
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	359.034427	7447.25
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	497.314033	16153.115
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2353.488842	97065.295
Wirt loam	B	0.4	1178.65379	88460.605
Ava silt loam, 2 to 5 percent slopes	C	0.48	1189.222356	29526.92
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	742.55556	20170.24
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	822.650952	22407.825
Water	<Null>	<Null>	282.981732	4670.5
Water	<Null>	<Null>	438.960288	4762
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2486.790169	141417.595
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1175.921484	47386.605
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3946.148264	144588.705
Hickory silt loam, 18 to 35 percent slopes	B	0.33	13748.24473	384017.27

Ava silt loam, 2 to 5 percent slopes	C	0.48	3954.119298	176915.54
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	371.689424	6268.72
Grantfork silty clay loam, 2 to 5 percent slopes, erod	C	0.39	748.420668	19502.94
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2119.594986	76556.68
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	730.072713	25273.725
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1131.526599	36686.75329
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1626.471656	36384.26
Ava silt loam, 2 to 5 percent slopes	C	0.48	2598.599673	86723.055
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	904.971883	29657.935
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1549.990174	33791.245
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1700.745728	116080.51
Ava silt loam, 2 to 5 percent slopes	C	0.48	1952.923959	56388.85
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2157.019977	57489.05
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	656.863317	11465.175
Water	<Null>	<Null>	252.479202	2731.595
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	845.934733	39567.345
Hickory silt loam, 18 to 35 percent slopes	B	0.33	4176.684293	126333.47
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	518.856428	10297.75
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2420.727011	95338.24647
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2506.973983	53328.88
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1271.061392	70823.655
Ava silt loam, 2 to 5 percent slopes	C	0.48	1586.56559	39063.005
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	877.476309	44360.19
Huey silt loam, 0 to 2 percent slopes	D	0.47	923.08833	51927.46
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	523.740913	12828.155
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	407.920313	9907.52
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	677.949156	18110.015
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	887.099325	36215.89
Ava silt loam, 2 to 5 percent slopes	C	0.48	2663.01096	74360.625
Ava silt loam, 2 to 5 percent slopes	C	0.48	568.275774	12175.275
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	525.725603	11868.87
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	329.830627	5670.95
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	7210.072189	748093.955
Wirt loam	B	0.4	477.5496	9646.155
Ava silt loam, 2 to 5 percent slopes	C	0.48	667.571172	19222.445
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1133.177969	36657.81
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1356.447962	56911.46158
Holton silt loam	C	0.41	4009.942809	169540.29
Ava silt loam, 2 to 5 percent slopes	C	0.48	3623.161409	127718.09
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1285.098791	35401.145
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	783.009569	34277.295
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	2961.19284	94314.18
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	763.911739	39182.75
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3104.240075	69190.52
Ava silt loam, 2 to 5 percent slopes	C	0.48	1195.266414	46729.96
Holton silt loam	C	0.41	1230.649088	61019.93
Water	<Null>	<Null>	203.318777	2706.19

Grantfork silty clay loam, 2 to 5 percent slopes, eroded	C	0.39	1363.933052	33288.375
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	8129.482114	458663.5833
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	451.725271	8974.375
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1041.74521	59325.295
Holton silt loam	C	0.41	15586.51393	771416.585
Hickory silt loam, 18 to 35 percent slopes	B	0.33	29441.30894	873279.83
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	608.782687	19629.02
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	578.069868	9893.255
Hickory silt loam, 18 to 35 percent slopes	B	0.33	6918.379913	191420.48
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1436.715372	51326.405
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1663.870145	53909.155
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	674.141138	16632.245
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1358.982636	68146.435
Shiloh silty clay loam	C/D	0.28	519.418673	12824.465
Ava silt loam, 2 to 5 percent slopes	C	0.48	9784.720293	361388.42
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7364.948737	381693.085
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1087.863922	46847.545
Ava silt loam, 2 to 5 percent slopes	C	0.48	2716.042582	72485.63
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	916.107734	39228.695
Water	<Null>	<Null>	702.125672	26234.61
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	416.560775	9000.04
Hickory silt loam, 10 to 18 percent slopes	B	0.33	6667.783353	157423.825
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2108.786494	67068.95
Hickory silt loam, 18 to 35 percent slopes	B	0.33	608.197299	5694.145
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	714.241187	20693.41
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	317.682231	4657.445
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1934.045736	73122.645
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	968.834673	23059.67
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	469.456669	14136.02
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	490.492552	13151.635
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1972.647489	55796.625
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	740.419861	17503.075
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	99.423332	424.492329
Ava silt loam, 2 to 5 percent slopes	C	0.48	4374.881704	138868.92
Ava silt loam, 2 to 5 percent slopes	C	0.48	2565.211914	54947.315
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	707.882644	19254.12
Ava silt loam, 2 to 5 percent slopes	C	0.48	3373.262433	103306.09
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	440.392346	12591.885
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1143.897649	63328.96
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	399.36601	7068.635
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1526.104009	36495.585
Ava silt loam, 2 to 5 percent slopes	C	0.48	1810.681786	58716.565
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	851.719278	29936.555
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2138.511144	53045.75
Water	<Null>	<Null>	398.81399	6796.305
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	373.762148	5791.335
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	702.049818	21195.975

Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1085.176342	30573.49
Ava silt loam, 2 to 5 percent slopes	C	0.48	9205.421837	277264.165
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1144.89104	47025.175
Ava silt loam, 2 to 5 percent slopes	C	0.48	194.542511	1787.83
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	623.779924	10710.53727
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1416.545795	85136.78
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	760.052121	19243.57
Ava silt loam, 2 to 5 percent slopes	C	0.48	2024.487362	51271.99
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1474.5851	52983.48213
Shiloh silty clay loam	C/D	0.28	347.437636	7185.405
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	334.674966	5433.475
Hickory silt loam, 10 to 18 percent slopes	B	0.33	695.607558	28354.8
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	13457.72518	422583.4516
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	11958.66026	1295715.065
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1176.411405	26314.555
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	948.862171	18080.7
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	711.356938	15972.375
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2737.107748	95598.19
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	828.39873	24335.94515
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2668.761853	87943.495
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1008.629557	26587.15
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1275.903018	37142.43
Ava silt loam, 2 to 5 percent slopes	C	0.48	1344.930868	32400.555
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3679.755539	328171.58
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	3097.567153	151128.75
Hickory silt loam, 18 to 35 percent slopes	B	0.33	62810.66673	1662117.827
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	458.258431	14847.39
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	752.682978	29832.18174
Ava silt loam, 2 to 5 percent slopes	C	0.48	786.923443	25423.625
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	524.886752	12371.435
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	652.889876	13413.69
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	6917.512438	575729.5641
Hickory silt loam, 18 to 35 percent slopes	B	0.33	11889.60208	308185.49
Ava silt loam, 2 to 5 percent slopes	C	0.48	494.171251	8835.295
Water	<Null>	<Null>	1325.96061	73325.79
Camden silt loam, 1 to 5 percent slopes	B	0.41	351.941336	8319.515
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	886.696208	26595.69
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1660.519095	83650.88263
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	650.261843	8751.76
Ava silt loam, 2 to 5 percent slopes	C	0.48	3016.551427	156558.845
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	3561.25577	128667.655
Hickory silt loam, 10 to 18 percent slopes	B	0.33	534.389369	13454.965
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	7701.193578	566639.53
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4804.860651	350183.605
Ava silt loam, 2 to 5 percent slopes	C	0.48	904.421234	15887.91
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1029.639119	36848.04
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	673.76415	13547.39

Holton silt loam	C	0.41	9794.567166	634938.34
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1368.729768	104739.1732
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1098.174908	17753.165
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	698.955103	22937.385
Ava silt loam, 2 to 5 percent slopes	C	0.48	772.882995	19069.23
Water	<Null>	<Null>	961.360765	14655.1
Ava silt loam, 2 to 5 percent slopes	C	0.48	1668.790744	44220.75
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1820.190717	100882.085
Water	<Null>	<Null>	171.77905	1362.61
Water	<Null>	<Null>	188.927611	2313.97
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1012.959509	45121.445
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1518.267996	43903.075
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	997.238945	14161.37218
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3124.393178	179738.825
Hickory silt loam, 10 to 18 percent slopes	B	0.33	2336.148589	52549.745
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1436.772401	88796.4
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	581.185978	21246.265
Shiloh silty clay loam	C/D	0.28	1714.066445	133092.745
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	471.06135	14448.025
Ava silt loam, 2 to 5 percent slopes	C	0.48	720.47913	16959.81
Camden silt loam, 1 to 5 percent slopes	B	0.41	443.579311	10113.055
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1443.361309	66518.51
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1081.880073	35285.04117
Ava silt loam, 2 to 5 percent slopes	C	0.48	536.517427	3937.33203
Grantfork silty clay loam, 2 to 5 percent slopes, eroded	C	0.39	658.915733	22219.43
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6958.478904	311118.025
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1142.189267	32472.775
Camden silt loam, 1 to 5 percent slopes	B	0.41	395.969933	8096.405
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1688.9998	49627.37
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1149.884762	16991.27
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1017.110282	65925.91
Ava silt loam, 2 to 5 percent slopes	C	0.48	2394.969635	55359.795
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	510.558816	10431.43
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	802.279578	21075.67
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	553.571788	9676.395
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	651.286957	15324.04
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	889.297342	20515.06
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	858.53173	42998.405
Ava silt loam, 2 to 5 percent slopes	C	0.48	4437.258244	171939.89
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1456.271603	32766.38
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	793.283756	29113.315
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	4182.971112	276802.0837
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1099.283484	37166.305
Ava silt loam, 2 to 5 percent slopes	C	0.48	2826.074343	176617.485
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	749.998214	37200.48
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	709.986474	13612.465
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	805.739133	39896.54

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	996.949052	33363.315
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	627.24677	12988.665
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1087.842282	33461.26
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1020.177387	22745
Grantfork silty clay loam, 2 to 5 percent slopes, eroded	C	0.39	1545.314067	74302.53
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1860.168534	47904.335
Ava silt loam, 2 to 5 percent slopes	C	0.48	4153.713798	128503.75
Tamalco silt loam	D	0.4	468.06681	12407.025
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1607.174698	45971.185
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1866.975286	98246.59
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1328.588907	28328.12
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	2064.377083	106457.505
Parke silt loam, 1 to 5 percent slopes	B	0.38	700.91097	21923.025
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	622.021258	16621.355
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3504.676933	111220.33
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	724.219815	32002.495
Camden silt loam, 5 to 10 percent slopes, eroded	B	0.41	2214.151609	123069.41
Ava silt loam, 2 to 5 percent slopes	C	0.48	615.682298	17537.355
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	650.175334	9044.175
Ava silt loam, 2 to 5 percent slopes	C	0.48	4596.09632	135923.835
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	916.195713	31666.96
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1655.141885	54690.805
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	14610.48118	859146.685
Ava silt loam, 2 to 5 percent slopes	C	0.48	2917.551029	91703.135
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	445.341993	8286.55
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	791.267797	18003.095
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1294.292872	35291.295
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	283.128529	5230.305
Water	<Null>	<Null>	170.782522	2147.03
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	934.067896	18815.16
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	2015.266866	70072.665
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1087.651496	25788.445
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1349.971879	75656.75
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	616.060783	11358.24
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	899.53673	26327.66
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3401.658215	179490.045
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	621.443928	21139.47
Ava silt loam, 2 to 5 percent slopes	C	0.48	803.540212	18618.915
Hickory silt loam, 18 to 35 percent slopes	B	0.33	937.244198	23239.18
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	581.435923	12647.155
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	786.278191	23827.455
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	1575.112448	38080.66
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	633.476716	13243.82
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1843.297804	67306.9
Tamalco silt loam	D	0.4	433.095313	9245.736202
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	484.595332	13115.675
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7225.165125	311713.485

Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	359.964109	7092.95
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1226.820871	32514.225
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	580.396051	18987.475
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2511.088037	52586.22
Ava silt loam, 2 to 5 percent slopes	C	0.48	350.956036	7337.41
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3161.176981	116195.61
Ava silt loam, 2 to 5 percent slopes	C	0.48	797.87075	26670.36
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	810.413318	19323.365
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2363.082243	77071.595
Parke silt loam, 1 to 5 percent slopes	B	0.38	650.740348	31422.015
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	791.367034	19300.88
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	4076.981814	173677.445
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	603.655543	20174.025
Parke silt loam, 1 to 5 percent slopes	B	0.38	558.677326	17400.255
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	883.178529	12825.89
Tamalco silt loam	D	0.4	961.907531	41964.84
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1077.967992	49365.01771
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1205.497214	24829.315
Parke silt loam, 5 to 10 percent slopes, eroded	B	0.38	1720.999112	44171.26
Ava silt loam, 2 to 5 percent slopes	C	0.48	1220.371252	28172.715
Water	<Null>	<Null>	317.281192	5888.665
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2432.214001	87235.195
Ava silt loam, 2 to 5 percent slopes	C	0.48	2617.921094	61054.54
Camden silt loam, 1 to 5 percent slopes	B	0.41	1445.284144	79401.73499
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2432.039205	83385.98
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	238.900177	3444.135
Hickory silt loam, 10 to 18 percent slopes	B	0.33	585.041853	14295.535
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	2321.368704	164557.365
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2467.678381	175238.4483
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1768.226037	38109.05
Water	<Null>	<Null>	187.668286	1825.115
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	703.620791	31515.15
Ava silt loam, 2 to 5 percent slopes	C	0.48	1349.252749	59280.22
Ava silt loam, 2 to 5 percent slopes	C	0.48	687.256637	21789.64
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	666.046219	26200.49
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	457.844799	11293.585
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	4333.425023	347217.83
Ava silt loam, 2 to 5 percent slopes	C	0.48	896.053866	27611.86
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	927.576343	17443.48
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1100.817034	40783.785
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	2131.196774	105256.49
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	437.049017	11569.195
Ava silt loam, 2 to 5 percent slopes	C	0.48	20.565362	1.994796
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	3521.323934	223139.35
Shiloh silty clay loam	C/D	0.28	599.569295	17499.955
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1066.933848	36982.475
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	698.168206	24007.535

Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1025.211734	27540.185
Ava silt loam, 2 to 5 percent slopes	C	0.48	724.706315	13565.12
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	883.324577	39021.69057
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	726.002652	22468.555
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	682.528777	20683.1352
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	461.536958	15874.46
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1265.904647	27377.43
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	928.137577	55315.285
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	519.405209	10093.44
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	519.070823	10518.495
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6650.01912	241236.31
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1857.752208	33171.565
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	1883.612599	43257.11
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	740.511162	10559.6
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2390.021335	97825.86
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	411.091971	7632.32
Ava silt loam, 2 to 5 percent slopes	C	0.48	1229.48189	45896.565
Ava silt loam, 2 to 5 percent slopes	C	0.48	1226.595089	35923.55
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	625.226099	16621.045
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	305.592856	6180.91
Ava silt loam, 2 to 5 percent slopes	C	0.48	787.363808	20417.82
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	2205.230057	118427.28
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	5017.988661	328046.59
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	557.000039	9856.065
Water	<Null>	<Null>	168.400507	1831.38
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	907.044232	33101.71
Ava silt loam, 2 to 5 percent slopes	C	0.48	571.56361	13302.635
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1922.5699	85503.73
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	4400.83852	310271.545
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	566.612052	15060.04
Ava silt loam, 2 to 5 percent slopes	C	0.48	5738.054458	212354.82
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1552.546087	71047.025
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	354.679172	6829.375
Ava silt loam, 2 to 5 percent slopes	C	0.48	1870.453186	59687.865
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	7181.490835	706012.905
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2377.045546	88164.83
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	337.6309	6250.88
Ava silt loam, 2 to 5 percent slopes	C	0.48	759.613861	22208.485
Atlas silty clay loam, 5 to 10 percent slopes, severely	D	0.4	2892.824853	97103.675
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	463.360912	7575.905
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	880.193825	30180.705
Ava silt loam, 2 to 5 percent slopes	C	0.48	531.323959	9212.26
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1820.440359	150647.53
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1110.021788	31269.11
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1964.351309	66985.12
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	685.612717	27198.925
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	12249.53755	816552.84

Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	4554.641607	244835.575
Water	<Null>	<Null>	372.064583	8976.275
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	8473.724887	162898.575
Ava silt loam, 2 to 5 percent slopes	C	0.48	4254.214398	92758.5
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1064.256706	37055.35
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	700.197413	24088.21
Ava silt loam, 2 to 5 percent slopes	C	0.48	940.631593	23997.155
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1431.409979	34316.695
Ava silt loam, 2 to 5 percent slopes	C	0.48	1236.28432	26512.53
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3548.976271	290265.005
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	604.218216	20449.34296
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	2318.874327	46195.735
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	821.864081	40619.995
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	4714.4045	102147.8
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1836.65377	108104.675
Shiloh silty clay loam	C/D	0.28	1218.116585	71154.175
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	631.570225	15053.55208
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	956.392586	22611.885
Water	<Null>	<Null>	504.124468	10398.175
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	16813.94646	1793108.11
Ava silt loam, 2 to 5 percent slopes	C	0.48	2813.663934	63233.225
Shiloh silty clay loam	C/D	0.28	899.072689	39583.315
Holton silt loam	C	0.41	134243.2727	10838409.14
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	712.109174	17194.64
Tamalco silt loam	D	0.4	802.417237	18284.565
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1322.397519	37482.63
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	469.241012	11023.65
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1105.368229	54057.765
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1500.462966	47252.76
Camden silt loam, 1 to 5 percent slopes	B	0.41	1079.090918	34956.735
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	375.512232	8544.714325
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	2819.004382	84423.06
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2552.197567	200539.505
Hickory silt loam, 18 to 35 percent slopes	B	0.33	546.139185	7411.165
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	711.409039	15637.455
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	10979.82926	857565.735
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	767.952728	18266.545
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	700.212439	15265.42
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	1431.394277	37546.79
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	485.351328	12041.055
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	979.224459	37886.615
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	3015.897201	68388.505
Hickory silt loam, 10 to 18 percent slopes	B	0.33	744.221169	14467.22
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	1224.261001	61133.33
Ava silt loam, 2 to 5 percent slopes	C	0.48	5823.740494	251617.08
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	932.864247	22622.04
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1552.206452	101279.04

Ava silt loam, 2 to 5 percent slopes	C	0.48	1903.518587	78136.225
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	6739.934118	340356.44
Ava silt loam, 2 to 5 percent slopes	C	0.48	918.133728	24782.185
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	509.686957	12351.72
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	3504.825361	75838.025
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1035.746688	19596.475
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	892.414082	32745.155
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	602.778675	23187.43
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	609.451399	23874.995
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3434.35693	108541.945
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	588.353919	11924.34
Ava silt loam, 2 to 5 percent slopes	C	0.48	3775.113611	103303.7866
Ava silt loam, 2 to 5 percent slopes	C	0.48	2363.958892	86085.005
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	12101.65681	929373.505
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	28408.94319	2564667.187
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	689.030291	14841.565
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1942.353463	49251.77
Hickory silt loam, 10 to 18 percent slopes	B	0.33	449.084708	11816.275
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3030.600107	179700.63
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	3817.506905	370836.2647
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	574.445089	11555.39
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	416.655629	9488.29
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3834.486436	121071.515
Ava silt loam, 2 to 5 percent slopes	C	0.48	3385.752842	72816.805
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	861.489714	20226.445
Shiloh silty clay loam	C/D	0.28	552.874435	19602.165
Ava silt loam, 2 to 5 percent slopes	C	0.48	1568.257386	51627.345
Ava silt loam, 2 to 5 percent slopes	C	0.48	4626.727063	93714.555
Ava silt loam, 2 to 5 percent slopes	C	0.48	3244.215799	161656.73
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3147.925006	167482.98
Water	<Null>	<Null>	178.626001	1896.74
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	469.401362	12282.99
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	3114.224901	209648.165
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	17189.89469	1413947.835
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	763.417806	20654.455
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	442.066186	10790.775
Parke silt loam, 1 to 5 percent slopes	B	0.38	398.435401	4976.954564
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	14530.80835	1015110.3
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	413.740999	10622.105
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	698.817299	12360.56
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	426.274187	12107.01
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	467.917602	11354.405
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	611.996784	13137.055
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1025.550587	37111.9986
Huey silt loam, 0 to 2 percent slopes	D	0.47	523.337507	13070.765
Wynoose silt loam, 0 to 2 percent slopes	C/D	0.44	1172.890014	72254.18
Huey silt loam, 0 to 2 percent slopes	D	0.47	118.091901	176.604621

Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1687.03754	42586.74
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1913.069579	48165.975
Ava silt loam, 2 to 5 percent slopes	C	0.48	1542.25728	61757.7
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	475.339168	12893.45
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	5377.894205	272882.4
Ava silt loam, 2 to 5 percent slopes	C	0.48	1549.971464	61971.37
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	1972.118834	59641.2
Water	<Null>	<Null>	563.162302	8630.595
Holton silt loam	C	0.41	8133.859321	636409.595
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	356.779479	7870.175
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	950.857142	27562.505
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	2728.16514	193847.35
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	678.273945	27286.705
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	732.74207	21553.42
Water	<Null>	<Null>	341.919521	3399.43
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	3366.171298	75237.57016
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1120.69184	39551.215
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	29264.74626	3338470.097
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	489.846074	11539.18
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1161.612055	29284.93
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1698.728992	41079.32
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	736.808168	17224.38
Water	<Null>	<Null>	697.07975	9684.455
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1299.755531	46315.71
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	2862.92093	114632.09
Hickory silt loam, 18 to 35 percent slopes	B	0.33	226.774732	2196.43
Water	<Null>	<Null>	236.161795	3628.435
Ava silt loam, 2 to 5 percent slopes	C	0.48	3583.192064	88528.465
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	702.435791	15619.65
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	587.486738	18917.87
Bluford silt loam, 2 to 5 percent slopes	C/D	0.45	1693.226325	28178.515
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	622.830048	20050.92
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	3472.163753	108006.52
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	4086.756876	129067.92
Ava silt loam, 2 to 5 percent slopes	C	0.48	4018.136904	111602.965
Ava silt loam, 2 to 5 percent slopes	C	0.48	8404.158147	259362.47
Water	<Null>	<Null>	421.611549	4649.665
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1072.419763	32892.165
Hickory silt loam, 18 to 35 percent slopes	B	0.33	2027.120896	35567.52
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1844.257227	129522.645
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	153.148632	1181.31
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	786.614493	20423.845
Ava silt loam, 2 to 5 percent slopes	C	0.48	5203.50333	124122.295
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	767.012465	27378.065
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1026.490362	35298.77
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	18803.70015	679155.025
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	560.412216	12604.135

Grantfork silty clay loam, 2 to 5 percent slopes, eroded	C	0.39	1351.945733	41983.03
Hickory silt loam, 18 to 35 percent slopes	B	0.33	1617.2041	41187.95
Hickory silt loam, 10 to 18 percent slopes	B	0.33	535.924282	14295.395
Ava silt loam, 2 to 5 percent slopes	C	0.48	5701.643198	159939.23
Hickory silt loam, 10 to 18 percent slopes	B	0.33	495.343605	12551.49
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	1143.784403	23662.985
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	6158.895724	510514.2
Hickory silt loam, 18 to 35 percent slopes	B	0.33	3155.178775	77858.285
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	453.128325	9764.43
Ebbert silt loam, 0 to 2 percent slopes	C/D	0.46	651.751852	28269.365
Bluford silt loam, 0 to 2 percent slopes	C/D	0.45	768.061565	28667.105
Ava silt loam, 2 to 5 percent slopes	C	0.48	3909.278386	126596.53
Ava silt loam, 2 to 5 percent slopes	C	0.48	2540.182994	63183.19
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	1417.230556	131683.72
Water	<Null>	<Null>	349.117912	4166.985
Camden silt loam, 1 to 5 percent slopes	B	0.41	321.090527	5932.2
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	732.70751	19638.42
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	929.786126	20007.235
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	1085.355863	32807.37
Ava silt loam, 2 to 5 percent slopes	C	0.48	8315.930665	230663.4259
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	453.592379	9636.445
Ava silt loam, 2 to 5 percent slopes	C	0.48	833.273162	20734.31
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	6329.544364	329924.815
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	423.724056	11563.25
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	1647.302744	48793.905
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	556.473599	7651.505
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1191.722247	25199.46
Water	<Null>	<Null>	169.501861	1771.925
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	505.535756	10601.675
Hickory silt loam, 10 to 18 percent slopes	B	0.33	1732.326598	42557.37
Hickory silt loam, 18 to 35 percent slopes	B	0.33	10529.52357	331341.5
Atlas silty clay loam, 5 to 10 percent slopes, severely eroded	D	0.4	620.236664	13379.765
Ava silt loam, 5 to 10 percent slopes, eroded	C	0.55	380.178408	8559.79
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	5980.560055	429877.795
Hickory silt loam, 10 to 18 percent slopes, eroded	B	0.33	634.238476	14864.29
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	446.998016	10172.655
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	3418.41101	409485.66
Atlas silt loam, 5 to 10 percent slopes, eroded	D	0.41	1000.826771	12470.2
Atlas silty clay loam, 5 to 10 percent slopes, severely eroded	D	0.4	1189.214109	20811.89
Darmstadt silt loam, 0 to 2 percent slopes	D	0.5	425.572943	10100.145
Hoyleton silt loam, 2 to 5 percent slopes	C/D	0.41	1726.043857	52033.795
Hoyleton silt loam, 0 to 2 percent slopes	C/D	0.41	339.014637	4093.693808
Newberry silt loam, 0 to 2 percent slopes	C/D	0.4	132.797423	278.963496
Shiloh silty clay loam, 0 to 2 percent slopes	C/D	0.31	388.140712	5049.122784
Cisne silt loam, 0 to 2 percent slopes	C/D	0.46	750.855725	25566.53592

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Appendix C

Water Quality Data

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Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	8/28/2017	Potassium	Total	15800	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Nickel	Total	2.2	ug/l	J
CP-04	SALT CREEK	8/28/2017	Zinc	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Arsenic	Total	3.48	ug/l	
CP-04	SALT CREEK	8/28/2017	Selenium	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Ammonia-nitrogen	Total	0.04	mg/l	J
CP-04	SALT CREEK	8/28/2017	Phosphorus	Dissolved	0.192	mg/l	
CP-04	SALT CREEK	8/28/2017	Aluminum	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Barium	Dissolved	71.3	ug/l	
CP-04	SALT CREEK	8/28/2017	Cobalt	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Boron	Dissolved	86.4	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Boron	Dissolved	49	ug/l	
CP-04	SALT CREEK	8/28/2017	Sodium	Total	45100	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Silver	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Sodium	Total	34200	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Strontium	Total	174	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Vanadium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Zinc	Total	4.48	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Arsenic	Total	5.75	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Selenium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Phosphorus	Dissolved	0.158	mg/l	
CP-04	SALT CREEK	8/28/2017	Silver	Total	1.16	ug/l	J
CP-04	SALT CREEK	8/28/2017	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Sodium	Dissolved	42500	ug/l	
CP-04	SALT CREEK	8/28/2017	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Vanadium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Zinc	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Arsenic	Dissolved	3.45	ug/l	
CP-04	SALT CREEK	8/28/2017	Selenium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Total suspended solids		22	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Organic carbon	Total	11.5	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Inorganic nitrogen (nitrate and nitrite)	Total		mg/l	ND
CP-04	SALT CREEK	8/28/2017	Vanadium	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Strontium	Total	185	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Copper	Total	4.07	ug/l	J
CP-04	SALT CREEK	8/28/2017	Hardness, Ca, Mg		291000	ug/l	C
CP-04	SALT CREEK	8/28/2017	Iron	Total	208	ug/l	
CP-04	SALT CREEK	8/28/2017	Lead	Total	4.24	ug/l	J
CP-04	SALT CREEK	8/28/2017	Magnesium	Total	26300	ug/l	
CP-04	SALT CREEK	8/28/2017	Manganese	Total	137	ug/l	
CP-04	SALT CREEK	8/28/2017	Nickel	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Potassium	Total	5920	ug/l	
CP-04	SALT CREEK	8/28/2017	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Silver	Dissolved	0.69	ug/l	J
CP-04	SALT CREEK	8/28/2017	Chlorophyll b	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Aluminum	Dissolved	329	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Chromium	Total	3.21	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Cobalt	Total	1.83	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Magnesium	Total	19300	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Copper	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Hardness, Ca, Mg		226000	ug/l	C
CPD-01	SECOND SALT CREEK	8/28/2017	Iron	Total	798	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Cadmium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Chloride	Total	40.6	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Lead	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Chlorophyll c	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Boron	Total	46.3	ug/l	
CP-04	SALT CREEK	8/28/2017	Chlorophyll a, uncorrected for pheophytin	Total	9.38	ug/l	
CP-04	SALT CREEK	8/28/2017	Chlorophyll a, corrected for pheophytin	Total	9.8	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Chlorophyll a, corrected for pheophytin	Total	4.94	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Chlorophyll a, uncorrected for pheophytin	Total	4.79	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Chlorophyll b	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Chlorophyll c	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Pheophytin a	Total		ug/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	8/28/2017	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	8/28/2017	Temperature, sample		4	deg C	
CP-04	SALT CREEK	8/28/2017	Pheophytin a	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Sulfate	Total	11.2	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Manganese	Dissolved	1500	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Cadmium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Calcium	Dissolved	54400	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Cobalt	Dissolved	1.32	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Copper	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Iron	Dissolved	810	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Magnesium	Dissolved	18900	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Calcium	Total	58500	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Barium	Dissolved	174	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Volatile suspended solids		11	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Manganese	Total	1600	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Cyanide, available		2.5	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Phosphorus	Total	0.214	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Kjeldahl nitrogen	Total	1.72	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Fluoride	Total	0.33	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Ammonia-nitrogen	Total	0.07	mg/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Aluminum	Total	318	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Barium	Total	183	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Beryllium	Total	0.46	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Nickel	Dissolved	1.44	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Kjeldahl nitrogen	Total	2.99	mg/l	
CP-04	SALT CREEK	8/28/2017	Organic carbon	Total	4.96	mg/l	
CP-04	SALT CREEK	8/28/2017	Volatile suspended solids			mg/l	ND
CP-04	SALT CREEK	8/28/2017	Inorganic nitrogen (nitrate and nitrite)	Total		mg/l	ND
CP-04	SALT CREEK	8/28/2017	Kjeldahl nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	8/28/2017	Ammonia-nitrogen	Total	0.16	mg/l	
CP-04	SALT CREEK	8/28/2017	Temperature, sample		3	deg C	
CP-04	SALT CREEK	8/28/2017	Phosphorus	Total	0.265	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Inorganic nitrogen (nitrate and nitrite)	Total		mg/l	ND
CP-04	SALT CREEK	8/28/2017	Potassium	Dissolved	5670	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Phosphorus	Total	0.685	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Total suspended solids		2920	mg/l	
CP-04	SALT CREEK	8/28/2017	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Cyanide, available		1.08	ug/l	J
CP-04	SALT CREEK	8/28/2017	Total suspended solids		7	mg/l	
CP-04	SALT CREEK	8/28/2017	Volatile suspended solids			mg/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Temperature, sample		3	deg C	
CP-04	SALT CREEK	8/28/2017	Temperature, air		21	deg C	
CPD-01	SECOND SALT CREEK	8/28/2017	Dissolved oxygen (DO)		2.2	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Dissolved oxygen saturation		24	%	
CPD-01	SECOND SALT CREEK	8/28/2017	pH		7.6	None	
CPD-01	SECOND SALT CREEK	8/28/2017	Specific conductance		598	umho/cm	
CPD-01	SECOND SALT CREEK	8/28/2017	Temperature, air		22	deg C	
CPD-01	SECOND SALT CREEK	8/28/2017	Temperature, water		20.8	deg C	
CP-04	SALT CREEK	8/28/2017	Total suspended solids		6	mg/l	
CP-04	SALT CREEK	8/28/2017	Temperature, water		20.6	deg C	
CPD-01	SECOND SALT CREEK	8/28/2017	Ammonia-nitrogen	Total	0.1	mg/l	
CP-04	SALT CREEK	8/28/2017	Specific conductance		727	umho/cm	
CP-04	SALT CREEK	8/28/2017	pH		7.9	None	
CP-04	SALT CREEK	8/28/2017	Dissolved oxygen saturation		73	%	
CP-04	SALT CREEK	8/28/2017	Dissolved oxygen (DO)		6.6	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Turbidity		25.6	NTU	
CPD-01	SECOND SALT CREEK	8/28/2017	Phenols	Total	4.9	ug/l	J
CP-04	SALT CREEK	8/28/2017	Turbidity		6.6	NTU	
CP-04	SALT CREEK	8/28/2017	Alkalinity, total		265	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Vanadium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Calcium	Dissolved	70800	ug/l	
CP-04	SALT CREEK	8/28/2017	Magnesium	Dissolved	26500	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Zinc	Dissolved		ug/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	8/28/2017	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Selenium	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Iron	Dissolved	9.58	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Strontium	Dissolved	167	ug/l	
CP-04	SALT CREEK	8/28/2017	Copper	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Volatile suspended solids		324	mg/l	
CP-04	SALT CREEK	8/28/2017	Cobalt	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Calcium	Total	73100	ug/l	
CP-04	SALT CREEK	8/28/2017	Strontium	Dissolved	168	ug/l	
CP-04	SALT CREEK	8/28/2017	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	8/28/2017	Arsenic	Dissolved	6.01	ug/l	
CP-04	SALT CREEK	8/28/2017	Aluminum	Total	91.6	ug/l	
CP-04	SALT CREEK	8/28/2017	Inorganic nitrogen (nitrate and nitrite)	Total		mg/l	ND
CP-04	SALT CREEK	8/28/2017	Phosphorus	Total	0.249	mg/l	
CP-04	SALT CREEK	8/28/2017	Kjeldahl nitrogen	Total	0.51	mg/l	
CP-04	SALT CREEK	8/28/2017	Chloride	Total	51.8	mg/l	
CP-04	SALT CREEK	8/28/2017	Manganese	Dissolved	92.3	ug/l	
CP-04	SALT CREEK	8/28/2017	Sulfate	Total	45.4	mg/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Sodium	Dissolved	33400	ug/l	
CP-04	SALT CREEK	8/28/2017	Barium	Total	77.1	ug/l	
CP-04	SALT CREEK	8/28/2017	Nickel	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Beryllium	Total		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Boron	Total	96.3	ug/l	
CP-04	SALT CREEK	8/28/2017	Phenols	Total	3.73	ug/l	J
CPD-01	SECOND SALT CREEK	8/28/2017	Potassium	Dissolved	14200	ug/l	
CPD-01	SECOND SALT CREEK	8/28/2017	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	8/28/2017	Fluoride	Total	0.24	mg/l	
CP-04	SALT CREEK	6/7/2017	Chlorophyll b	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Boron	Total	66	ug/l	
CP-04	SALT CREEK	6/7/2017	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Calcium	Total	85800	ug/l	
CP-04	SALT CREEK	6/7/2017	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Manganese	Dissolved	287	ug/l	
CP-04	SALT CREEK	6/7/2017	Nickel	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Sulfate	Total	52.3	mg/l	
CP-04	SALT CREEK	6/7/2017	Iron	Dissolved	19.2	ug/l	J
CP-04	SALT CREEK	6/7/2017	Total suspended solids		8	mg/l	
CP-04	SALT CREEK	6/7/2017	Selenium	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Arsenic	Dissolved	2.05	ug/l	
CP-04	SALT CREEK	6/7/2017	Vanadium	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Strontium	Dissolved	199	ug/l	
CP-04	SALT CREEK	6/7/2017	Sodium	Dissolved	33500	ug/l	
CP-04	SALT CREEK	6/7/2017	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Potassium	Dissolved	5190	ug/l	
CP-04	SALT CREEK	6/7/2017	Chlorophyll a, corrected for pheophytin	Total	5.65	ug/l	
CP-04	SALT CREEK	6/7/2017	Inorganic nitrogen (nitrate and nitrite)	Total	0.393	mg/l	
CP-04	SALT CREEK	6/7/2017	Zinc	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Cobalt	Total	0.62	ug/l	J
CP-04	SALT CREEK	6/7/2017	Strontium	Total	208	ug/l	
CP-04	SALT CREEK	6/7/2017	Calcium	Dissolved	86200	ug/l	
CP-04	SALT CREEK	6/7/2017	Phosphorus	Total	0.229	mg/l	
CP-04	SALT CREEK	6/7/2017	Barium	Total	115	ug/l	
CP-04	SALT CREEK	6/7/2017	Alkalinity, total		304	mg/l	
CP-04	SALT CREEK	6/7/2017	Fluoride	Total	0.22	mg/l	
CP-04	SALT CREEK	6/7/2017	Chloride	Total	38	mg/l	
CP-04	SALT CREEK	6/7/2017	Cobalt	Dissolved	0.84	ug/l	J
CP-04	SALT CREEK	6/7/2017	Kjeldahl nitrogen	Total	0.78	mg/l	
CP-04	SALT CREEK	6/7/2017	Manganese	Total	320	ug/l	
CP-04	SALT CREEK	6/7/2017	Beryllium	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Sodium	Total	34200	ug/l	
CP-04	SALT CREEK	6/7/2017	Chlorophyll c	Total	0.51	ug/l	
CP-04	SALT CREEK	6/7/2017	Volatile suspended solids			mg/l	ND
CP-04	SALT CREEK	6/7/2017	Nickel	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Silver	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Magnesium	Total	28800	ug/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	6/7/2017	Lead	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Iron	Total	243	ug/l	
CP-04	SALT CREEK	6/7/2017	Hardness, Ca, Mg		333000	ug/l	C
CP-04	SALT CREEK	6/7/2017	Copper	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Potassium	Total	5560	ug/l	
CP-04	SALT CREEK	6/7/2017	Pheophytin a	Total	0.72	ug/l	
CP-04	SALT CREEK	6/7/2017	Chlorophyll a, uncorrected for pheophytin	Total	6.31	ug/l	
CP-04	SALT CREEK	6/7/2017	Aluminum	Total	66.4	ug/l	
CP-04	SALT CREEK	6/7/2017	Temperature, sample		3	deg C	
CP-04	SALT CREEK	6/7/2017	Turbidity		5.87	NTU	
CP-04	SALT CREEK	6/7/2017	Temperature, water		20	deg C	
CP-04	SALT CREEK	6/7/2017	Temperature, air		19	deg C	
CP-04	SALT CREEK	6/7/2017	Specific conductance		778	umho/cm	
CP-04	SALT CREEK	6/7/2017	pH		7.5	None	
CP-04	SALT CREEK	6/7/2017	Dissolved oxygen saturation		48	%	
CP-04	SALT CREEK	6/7/2017	Dissolved oxygen (DO)		4.4	mg/l	
CP-04	SALT CREEK	6/7/2017	Organic carbon	Total	4.39	mg/l	
CP-04	SALT CREEK	6/7/2017	Cyanide, available			ug/l	ND
CP-04	SALT CREEK	6/7/2017	Magnesium	Dissolved	29300	ug/l	
CP-04	SALT CREEK	6/7/2017	Zinc	Total	4.55	ug/l	J
CP-04	SALT CREEK	6/7/2017	Arsenic	Total	2.08	ug/l	
CP-04	SALT CREEK	6/7/2017	Barium	Dissolved	109	ug/l	
CP-04	SALT CREEK	6/7/2017	Phenols	Total	3.07	ug/l	J
CP-04	SALT CREEK	6/7/2017	Ammonia-nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	6/7/2017	Phosphorus	Dissolved	0.175	mg/l	
CP-04	SALT CREEK	6/7/2017	Aluminum	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Vanadium	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Copper	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Chromium	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Selenium	Total		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Lead	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	6/7/2017	Boron	Dissolved	62.3	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Chromium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Ammonia-nitrogen	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Copper	Total	2.44	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Lead	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Magnesium	Total	25200	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Manganese	Total	167	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Nickel	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Calcium	Total	76800	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Magnesium	Dissolved	24200	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Iron	Total	297	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Cadmium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Boron	Total	32	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Beryllium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Barium	Total	115	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Organic carbon	Total	5.43	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Potassium	Total	8950	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Hardness, Ca, Mg		295000	ug/l	C
CPD-01	SECOND SALT CREEK	6/6/2017	Inorganic nitrogen (nitrate and nitrite)	Total	0.879	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Selenium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Arsenic	Dissolved	2.13	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Fluoride	Total	0.26	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Aluminum	Total	69.7	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Chlorophyll a, corrected for pheophytin	Total	10.7	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Chlorophyll b	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Chlorophyll c	Total	1.54	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Chlorophyll a, uncorrected for pheophytin	Total	10.5	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Pheophytin a	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Cyanide, available			ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Sulfate	Total	41.6	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Phosphorus	Total	0.321	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Volatile suspended solids			mg/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	6/6/2017	Total suspended solids		10	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Silver	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Alkalinity, total		260	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	6/6/2017	Cobalt	Total	1.15	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Arsenic	Total	2.29	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Zinc	Total	7.93	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Vanadium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Strontium	Total	209	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Sodium	Total	37300	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Zinc	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Temperature, water		27.3	deg C	
CPD-01	SECOND SALT CREEK	6/6/2017	Boron	Dissolved	32.6	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Beryllium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Barium	Dissolved	107	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Aluminum	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Phosphorus	Dissolved	0.199	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Cadmium	Dissolved	0.42	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Nickel	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Turbidity		22.6	NTU	
CPD-01	SECOND SALT CREEK	6/6/2017	Specific conductance		716	umho/cm	
CPD-01	SECOND SALT CREEK	6/6/2017	pH		7.8	None	
CPD-01	SECOND SALT CREEK	6/6/2017	Dissolved oxygen saturation		76	%	
CPD-01	SECOND SALT CREEK	6/6/2017	Dissolved oxygen (DO)		6.9	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Vanadium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Kjeldahl nitrogen	Total	1.28	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Chloride	Total	44.2	mg/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Potassium	Dissolved	8070	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Sodium	Dissolved	34700	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Temperature, air		25	deg C	
CPD-01	SECOND SALT CREEK	6/6/2017	Calcium	Dissolved	73800	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Strontium	Dissolved	199	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Silver	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Selenium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Manganese	Dissolved	128	ug/l	
CPD-01	SECOND SALT CREEK	6/6/2017	Cobalt	Dissolved	1.23	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Phenols	Total	2.46	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/6/2017	Iron	Dissolved	23.2	ug/l	J
CPD-01	SECOND SALT CREEK	6/6/2017	Copper	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	6/5/2017	Ammonia-nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	6/5/2017	Temperature, sample		3	deg C	
CPD-01	SECOND SALT CREEK	6/5/2017	Kjeldahl nitrogen	Total	0.64	mg/l	
CPD-01	SECOND SALT CREEK	6/5/2017	Phosphorus	Total	0.227	mg/l	
CPD-01	SECOND SALT CREEK	6/5/2017	Inorganic nitrogen (nitrate and nitrite)	Total	0.932	mg/l	
CPD-01	SECOND SALT CREEK	6/5/2017	Volatile suspended solids			mg/l	ND
CP-04	SALT CREEK	6/5/2017	Kjeldahl nitrogen	Total	0.62	mg/l	
CP-04	SALT CREEK	6/5/2017	Ammonia-nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	6/5/2017	Inorganic nitrogen (nitrate and nitrite)	Total	0.518	mg/l	
CPD-01	SECOND SALT CREEK	6/5/2017	Temperature, sample		3	deg C	
CP-04	SALT CREEK	6/5/2017	Total suspended solids		7	mg/l	
CP-04	SALT CREEK	6/5/2017	Volatile suspended solids			mg/l	ND
CP-04	SALT CREEK	6/5/2017	Phosphorus	Total	0.223	mg/l	
CPD-01	SECOND SALT CREEK	6/5/2017	Total suspended solids		14	mg/l	
CP-04	SALT CREEK	5/30/2017	Nickel	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Manganese	Dissolved	280	ug/l	
CP-04	SALT CREEK	5/30/2017	Lead	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Inorganic nitrogen (nitrate and nitrite)	Total	0.665	mg/l	
CP-04	SALT CREEK	5/30/2017	Magnesium	Dissolved	25500	ug/l	
CP-04	SALT CREEK	5/30/2017	Potassium	Dissolved	5370	ug/l	
CP-04	SALT CREEK	5/30/2017	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Sodium	Dissolved	31800	ug/l	
CP-04	SALT CREEK	5/30/2017	Strontium	Dissolved	190	ug/l	
CP-04	SALT CREEK	5/30/2017	Vanadium	Dissolved		ug/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	5/30/2017	Zinc	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Arsenic	Dissolved	1.67	ug/l	J
CP-04	SALT CREEK	5/30/2017	Selenium	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Cobalt	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Silver	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Volatile suspended solids			mg/l	ND
CP-04	SALT CREEK	5/30/2017	Pheophytin a	Total	4.12	ug/l	
CP-04	SALT CREEK	5/30/2017	Phenols	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Chloride	Total	35.4	mg/l	
CP-04	SALT CREEK	5/30/2017	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Zinc	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Alkalinity, total		299	mg/l	
CP-04	SALT CREEK	5/30/2017	Fluoride	Total	0.23	mg/l	
CP-04	SALT CREEK	5/30/2017	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Boron	Dissolved	58.5	ug/l	
CP-04	SALT CREEK	5/30/2017	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Barium	Dissolved	102	ug/l	
CP-04	SALT CREEK	5/30/2017	Phosphorus	Dissolved	0.049	mg/l	
CP-04	SALT CREEK	5/30/2017	Chlorophyll b	Total	0.75	ug/l	
CP-04	SALT CREEK	5/30/2017	Arsenic	Total	1.72	ug/l	J
CP-04	SALT CREEK	5/30/2017	Copper	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Vanadium	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Iron	Dissolved	27.3	ug/l	J
CP-04	SALT CREEK	5/30/2017	Chlorophyll c	Total	1.08	ug/l	
CP-04	SALT CREEK	5/30/2017	Calcium	Dissolved	78000	ug/l	
CP-04	SALT CREEK	5/30/2017	Chlorophyll a, uncorrected for pheophytin	Total	13.1	ug/l	
CP-04	SALT CREEK	5/30/2017	Chromium	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Chlorophyll a, corrected for pheophytin	Total	10.3	ug/l	
CP-04	SALT CREEK	5/30/2017	Total suspended solids		9	mg/l	
CP-04	SALT CREEK	5/30/2017	Selenium	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Turbidity		6.5	NTU	
CP-04	SALT CREEK	5/30/2017	Magnesium	Total	25700	ug/l	
CP-04	SALT CREEK	5/30/2017	Manganese	Total	302	ug/l	
CP-04	SALT CREEK	5/30/2017	Nickel	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Potassium	Total	5200	ug/l	
CP-04	SALT CREEK	5/30/2017	Beryllium	Total	0.12	ug/l	J
CP-04	SALT CREEK	5/30/2017	Lead	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Temperature, sample		2	deg C	
CP-04	SALT CREEK	5/30/2017	Temperature, water		19	deg C	
CP-04	SALT CREEK	5/30/2017	Temperature, air		22	deg C	
CP-04	SALT CREEK	5/30/2017	pH		7.6	None	
CP-04	SALT CREEK	5/30/2017	Dissolved oxygen saturation		75.3	%	
CP-04	SALT CREEK	5/30/2017	Dissolved oxygen (DO)		7	mg/l	
CP-04	SALT CREEK	5/30/2017	Sulfate	Total	47.7	mg/l	
CP-04	SALT CREEK	5/30/2017	Ammonia-nitrogen	Total	0.06	mg/l	J
CP-04	SALT CREEK	5/30/2017	Aluminum	Dissolved		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Phosphorus	Total	0.247	mg/l	
CP-04	SALT CREEK	5/30/2017	Kjeldahl nitrogen	Total	0.67	mg/l	
CP-04	SALT CREEK	5/30/2017	Barium	Total	110	ug/l	
CP-04	SALT CREEK	5/30/2017	Cyanide, available		0.33	ug/l	J
CP-04	SALT CREEK	5/30/2017	Iron	Total	343	ug/l	
CP-04	SALT CREEK	5/30/2017	Specific conductance		723	umho/cm	
CP-04	SALT CREEK	5/30/2017	Aluminum	Total	85.7	ug/l	
CP-04	SALT CREEK	5/30/2017	Organic carbon	Total	4.21	mg/l	
CP-04	SALT CREEK	5/30/2017	Strontium	Total	200	ug/l	
CP-04	SALT CREEK	5/30/2017	Boron	Total	61.5	ug/l	
CP-04	SALT CREEK	5/30/2017	Sodium	Total	32100	ug/l	
CP-04	SALT CREEK	5/30/2017	Calcium	Total	83900	ug/l	
CP-04	SALT CREEK	5/30/2017	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Cobalt	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Copper	Total		ug/l	ND
CP-04	SALT CREEK	5/30/2017	Hardness, Ca, Mg		315000	ug/l	C
CPD-01	SECOND SALT CREEK	5/22/2017	Cobalt	Dissolved	1.26	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Nickel	Total	1.1	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Manganese	Total	173	ug/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	5/22/2017	Magnesium	Total	13700	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Potassium	Total	8760	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Lead	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Sodium	Total	17000	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Hardness, Ca, Mg		163000	ug/l	C
CPD-01	SECOND SALT CREEK	5/22/2017	Aluminum	Dissolved	114	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Copper	Total	4.62	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Cobalt	Total	1.14	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Chromium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Calcium	Total	42700	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Cadmium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Strontium	Total	121	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Arsenic	Dissolved	2	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Iron	Total	811	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Calcium	Dissolved	44900	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Chlorophyll c	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Chlorophyll b	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Chlorophyll a, uncorrected for pheophytin	Total	4.98	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Chlorophyll a, corrected for pheophytin	Total	3.85	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Temperature, sample		6	deg C	
CPD-01	SECOND SALT CREEK	5/22/2017	Silver	Total	0.73	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Cadmium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Cyanide, available		0.57	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Aluminum	Total	569	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Vanadium	Total	1.79	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Beryllium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Barium	Dissolved	73.8	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Phosphorus	Dissolved	0.358	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Kjeldahl nitrogen	Total	1.57	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Selenium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Arsenic	Total	2.37	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Zinc	Total	8.45	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Boron	Dissolved	27.6	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Pheophytin a	Total	1.54	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Barium	Total	90.9	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Sulfate	Total	23.9	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Fluoride	Total	0.26	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Chloride	Total	22.6	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Volatile suspended solids		8	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Total suspended solids		18	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Inorganic nitrogen (nitrate and nitrite)	Total	1.99	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Alkalinity, total		149	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Phenols	Total	1.97	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Dissolved oxygen (DO)		7.3	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Dissolved oxygen saturation		75	%	
CPD-01	SECOND SALT CREEK	5/22/2017	pH		7.6	None	
CPD-01	SECOND SALT CREEK	5/22/2017	Specific conductance		379	umho/cm	
CPD-01	SECOND SALT CREEK	5/22/2017	Temperature, air		20	deg C	
CPD-01	SECOND SALT CREEK	5/22/2017	Temperature, water		17.4	deg C	
CPD-01	SECOND SALT CREEK	5/22/2017	Turbidity		45	NTU	
CPD-01	SECOND SALT CREEK	5/22/2017	Beryllium	Total	0.12	ug/l	J
CPD-01	SECOND SALT CREEK	5/22/2017	Manganese	Dissolved	137	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Zinc	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Vanadium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Strontium	Dissolved	117	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Sodium	Dissolved	15300	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Silver	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Phosphorus	Total	0.517	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Nickel	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Selenium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Magnesium	Dissolved	13900	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	5/22/2017	Iron	Dissolved	123	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Copper	Dissolved		ug/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	5/22/2017	Boron	Total	34.8	ug/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Organic carbon	Total	7.41	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Ammonia-nitrogen	Total	0.25	mg/l	
CPD-01	SECOND SALT CREEK	5/22/2017	Potassium	Dissolved	7910	ug/l	
CP-04	SALT CREEK	16-May-12	Alkalinity, total		280	mg/l	
CP-04	SALT CREEK	16-May-12	Aluminum	Dissolved	38.2	ug/l	J
CP-04	SALT CREEK	16-May-12	Aluminum	Total	124	ug/l	
CP-04	SALT CREEK	16-May-12	Ammonia-nitrogen	Total	0.14	mg/l	
CP-04	SALT CREEK	16-May-12	Arsenic	Dissolved	2.58	ug/l	
CP-04	SALT CREEK	16-May-12	Arsenic	Total	3.05	ug/l	
CP-04	SALT CREEK	16-May-12	Barium	Dissolved	92.7	ug/l	
CP-04	SALT CREEK	16-May-12	Barium	Total	97.4	ug/l	
CP-04	SALT CREEK	16-May-12	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Beryllium	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Calcium	Dissolved	76600	ug/l	
CP-04	SALT CREEK	16-May-12	Calcium	Total	78100	ug/l	
CP-04	SALT CREEK	16-May-12	Chloride	Total	47.2	mg/l	
CP-04	SALT CREEK	16-May-12	Chromium	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Cobalt	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Cobalt	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Copper	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Copper	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Cyanide	Total		mg/l	ND
CP-04	SALT CREEK	16-May-12	Fluoride	Total	0.3	mg/l	
CP-04	SALT CREEK	16-May-12	Hardness, Ca, Mg		308000	ug/l	C
CP-04	SALT CREEK	16-May-12	Inorganic nitrogen (nitrate and nitrite)	Total	0.559	mg/l	
CP-04	SALT CREEK	16-May-12	Iron	Dissolved	138	ug/l	
CP-04	SALT CREEK	16-May-12	Iron	Total	347	ug/l	
CP-04	SALT CREEK	16-May-12	Kjeldahl nitrogen	Total	0.603	mg/l	
CP-04	SALT CREEK	16-May-12	Lead	Dissolved	4.17	ug/l	J
CP-04	SALT CREEK	16-May-12	Lead	Total	2.89	ug/l	J
CP-04	SALT CREEK	16-May-12	Magnesium	Dissolved	27100	ug/l	
CP-04	SALT CREEK	16-May-12	Magnesium	Total	27400	ug/l	
CP-04	SALT CREEK	16-May-12	Manganese	Dissolved	371	ug/l	
CP-04	SALT CREEK	16-May-12	Manganese	Total	399	ug/l	
CP-04	SALT CREEK	16-May-12	Nickel	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Nickel	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Organic carbon	Total	5.25	mg/l	
CP-04	SALT CREEK	16-May-12	Phenols	Total	3.76	ug/l	J
CP-04	SALT CREEK	16-May-12	Phosphorus	Dissolved	0.28	mg/l	
CP-04	SALT CREEK	16-May-12	Phosphorus	Total	0.349	mg/l	
CP-04	SALT CREEK	16-May-12	Potassium	Total	7210	ug/l	
CP-04	SALT CREEK	16-May-12	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Silver	Total	0.88	ug/l	J
CP-04	SALT CREEK	16-May-12	Sodium	Dissolved	38300	ug/l	
CP-04	SALT CREEK	16-May-12	Sodium	Total	38500	ug/l	
CP-04	SALT CREEK	16-May-12	Strontium	Dissolved	183	ug/l	
CP-04	SALT CREEK	16-May-12	Strontium	Total	184	ug/l	
CP-04	SALT CREEK	16-May-12	Sulfate	Total	32.6	mg/l	
CP-04	SALT CREEK	16-May-12	Temperature, sample		6	deg C	
CP-04	SALT CREEK	16-May-12	Total suspended solids		9	mg/l	
CP-04	SALT CREEK	16-May-12	Vanadium	Dissolved		ug/l	ND
CP-04	SALT CREEK	16-May-12	Vanadium	Total		ug/l	ND
CP-04	SALT CREEK	16-May-12	Volatile suspended solids		8	mg/l	
CP-04	SALT CREEK	16-May-12	Zinc	Dissolved	1.92	ug/l	J
CP-04	SALT CREEK	16-May-12	Zinc	Total	2.07	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Alkalinity, total		245	mg/l	
CP-04	SALT CREEK	05-Jun-12	Aluminum	Dissolved	49.2	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Aluminum	Total	161	ug/l	
CP-04	SALT CREEK	05-Jun-12	Ammonia-nitrogen	Total	0.13	mg/l	
CP-04	SALT CREEK	05-Jun-12	Arsenic	Dissolved	2.87	ug/l	
CP-04	SALT CREEK	05-Jun-12	Arsenic	Total	3.36	ug/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	05-Jun-12	Barium	Dissolved	69.6	ug/l	
CP-04	SALT CREEK	05-Jun-12	Barium	Total	70.6	ug/l	
CP-04	SALT CREEK	05-Jun-12	Beryllium	Dissolved	0.08	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Beryllium	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Calcium	Dissolved	65200	ug/l	
CP-04	SALT CREEK	05-Jun-12	Calcium	Total	64600	ug/l	
CP-04	SALT CREEK	05-Jun-12	Chloride	Total	47.3	mg/l	
CP-04	SALT CREEK	05-Jun-12	Chromium	Dissolved	0.75	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Cobalt	Dissolved		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Cobalt	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Copper	Dissolved		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Copper	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Cyanide	Total		mg/l	ND
CP-04	SALT CREEK	05-Jun-12	Fluoride	Total	0.25	mg/l	
CP-04	SALT CREEK	05-Jun-12	Hardness, Ca, Mg		258000	ug/l	C
CP-04	SALT CREEK	05-Jun-12	Inorganic nitrogen (nitrate and nitrite)	Total	0.659	mg/l	
CP-04	SALT CREEK	05-Jun-12	Iron	Dissolved	18.4	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Iron	Total	257	ug/l	
CP-04	SALT CREEK	05-Jun-12	Kjeldahl nitrogen	Total	0.615	mg/l	
CP-04	SALT CREEK	05-Jun-12	Lead	Dissolved	8.89	ug/l	
CP-04	SALT CREEK	05-Jun-12	Lead	Total	9.19	ug/l	
CP-04	SALT CREEK	05-Jun-12	Magnesium	Dissolved	23800	ug/l	
CP-04	SALT CREEK	05-Jun-12	Magnesium	Total	23500	ug/l	
CP-04	SALT CREEK	05-Jun-12	Manganese	Dissolved	292	ug/l	
CP-04	SALT CREEK	05-Jun-12	Manganese	Total	305	ug/l	
CP-04	SALT CREEK	05-Jun-12	Nickel	Dissolved	1.09	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Nickel	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Organic carbon	Total	5.94	mg/l	
CP-04	SALT CREEK	05-Jun-12	Phenols	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Phosphorus	Dissolved	0.262	mg/l	
CP-04	SALT CREEK	05-Jun-12	Phosphorus	Total	0.316	mg/l	
CP-04	SALT CREEK	05-Jun-12	Potassium	Dissolved	5580	ug/l	
CP-04	SALT CREEK	05-Jun-12	Potassium	Total	5920	ug/l	
CP-04	SALT CREEK	05-Jun-12	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Silver	Total		ug/l	ND
CP-04	SALT CREEK	05-Jun-12	Sodium	Dissolved	38200	ug/l	
CP-04	SALT CREEK	05-Jun-12	Sodium	Total	38800	ug/l	
CP-04	SALT CREEK	05-Jun-12	Strontium	Dissolved	153	ug/l	
CP-04	SALT CREEK	05-Jun-12	Strontium	Total	156	ug/l	
CP-04	SALT CREEK	05-Jun-12	Sulfate	Total	38.7	mg/l	
CP-04	SALT CREEK	05-Jun-12	Temperature, sample		2	deg C	
CP-04	SALT CREEK	05-Jun-12	Total suspended solids		6	mg/l	
CP-04	SALT CREEK	05-Jun-12	Vanadium	Dissolved		ug/l	B1,ND
CP-04	SALT CREEK	05-Jun-12	Vanadium	Total		ug/l	B1,ND
CP-04	SALT CREEK	05-Jun-12	Volatile suspended solids		4	mg/l	
CP-04	SALT CREEK	05-Jun-12	Zinc	Dissolved	2.89	ug/l	J
CP-04	SALT CREEK	05-Jun-12	Zinc	Total	1.92	ug/l	J
CP-04	SALT CREEK	02-Jul-12	Ammonia-nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	02-Jul-12	Inorganic nitrogen (nitrate and nitrite)	Total		mg/l	ND
CP-04	SALT CREEK	02-Jul-12	Kjeldahl nitrogen	Total	0.545	mg/l	
CP-04	SALT CREEK	02-Jul-12	Phosphorus	Total	0.286	mg/l	
CP-04	SALT CREEK	02-Jul-12	Temperature, sample		1	deg C	
CP-04	SALT CREEK	02-Jul-12	Total suspended solids		35	mg/l	
CP-04	SALT CREEK	02-Jul-12	Volatile suspended solids		7	mg/l	
CP-04	SALT CREEK	04-Sep-12	Ammonia-nitrogen	Total	0.54	mg/l	
CP-04	SALT CREEK	04-Sep-12	Inorganic nitrogen (nitrate and nitrite)	Total	0.866	mg/l	
CP-04	SALT CREEK	04-Sep-12	Kjeldahl nitrogen	Total	2	mg/l	J6
CP-04	SALT CREEK	04-Sep-12	Phosphorus	Total	1.22	mg/l	
CP-04	SALT CREEK	04-Sep-12	Temperature, sample		2	deg C	
CP-04	SALT CREEK	04-Sep-12	Total suspended solids		12	mg/l	
CP-04	SALT CREEK	04-Sep-12	Volatile suspended solids		6	mg/l	
CP-04	SALT CREEK	11-Sep-12	Ammonia-nitrogen	Total	0.16	mg/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04	SALT CREEK	11-Sep-12	Inorganic nitrogen (nitrate and nitrite)	Total	0.972	mg/l	
CP-04	SALT CREEK	11-Sep-12	Kjeldahl nitrogen	Total	1.24	mg/l	
CP-04	SALT CREEK	11-Sep-12	Phosphorus	Total	1.1	mg/l	
CP-04	SALT CREEK	11-Sep-12	Temperature, sample		1	deg C	
CP-04	SALT CREEK	11-Sep-12	Total suspended solids		12	mg/l	
CP-04	SALT CREEK	11-Sep-12	Volatile suspended solids		5	mg/l	
CP-04	SALT CREEK	25-Sep-12	Alkalinity, total		250	mg/l	
CP-04	SALT CREEK	25-Sep-12	Aluminum	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Aluminum	Total	284	ug/l	
CP-04	SALT CREEK	25-Sep-12	Ammonia-nitrogen	Total		mg/l	ND
CP-04	SALT CREEK	25-Sep-12	Arsenic	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Arsenic	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Barium	Dissolved	83.3	ug/l	
CP-04	SALT CREEK	25-Sep-12	Barium	Total	91.9	ug/l	
CP-04	SALT CREEK	25-Sep-12	Beryllium	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Beryllium	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Cadmium	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Cadmium	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Calcium	Dissolved	70700	ug/l	
CP-04	SALT CREEK	25-Sep-12	Calcium	Total	75200	ug/l	
CP-04	SALT CREEK	25-Sep-12	Chloride	Total	81.2	mg/l	
CP-04	SALT CREEK	25-Sep-12	Chromium	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Chromium	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Cobalt	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Cobalt	Total	0.34	ug/l	J
CP-04	SALT CREEK	25-Sep-12	Copper	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Copper	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Cyanide	Total	0.003	mg/l	J
CP-04	SALT CREEK	25-Sep-12	Fluoride	Total	0.27	mg/l	
CP-04	SALT CREEK	25-Sep-12	Hardness, Ca, Mg		307000	ug/l	C
CP-04	SALT CREEK	25-Sep-12	Inorganic nitrogen (nitrate and nitrite)	Total	0.16	mg/l	
CP-04	SALT CREEK	25-Sep-12	Iron	Dissolved	22	ug/l	J
CP-04	SALT CREEK	25-Sep-12	Iron	Total	494	ug/l	
CP-04	SALT CREEK	25-Sep-12	Kjeldahl nitrogen	Total	0.813	mg/l	
CP-04	SALT CREEK	25-Sep-12	Lead	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Lead	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Magnesium	Dissolved	27100	ug/l	
CP-04	SALT CREEK	25-Sep-12	Magnesium	Total	29000	ug/l	
CP-04	SALT CREEK	25-Sep-12	Manganese	Dissolved	202	ug/l	
CP-04	SALT CREEK	25-Sep-12	Manganese	Total	238	ug/l	
CP-04	SALT CREEK	25-Sep-12	Nickel	Dissolved	1.01	ug/l	J
CP-04	SALT CREEK	25-Sep-12	Nickel	Total	1.26	ug/l	J
CP-04	SALT CREEK	25-Sep-12	Organic carbon	Total	6.53	mg/l	
CP-04	SALT CREEK	25-Sep-12	Phenols	Total	2.77	ug/l	J
CP-04	SALT CREEK	25-Sep-12	Phosphorus	Dissolved	0.283	mg/l	
CP-04	SALT CREEK	25-Sep-12	Phosphorus	Total	0.354	mg/l	
CP-04	SALT CREEK	25-Sep-12	Potassium	Dissolved	8030	ug/l	
CP-04	SALT CREEK	25-Sep-12	Potassium	Total	8510	ug/l	
CP-04	SALT CREEK	25-Sep-12	Silver	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Silver	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Sodium	Dissolved	55300	ug/l	
CP-04	SALT CREEK	25-Sep-12	Sodium	Total	59000	ug/l	
CP-04	SALT CREEK	25-Sep-12	Strontium	Dissolved	167	ug/l	
CP-04	SALT CREEK	25-Sep-12	Strontium	Total	177	ug/l	
CP-04	SALT CREEK	25-Sep-12	Temperature, sample		2	deg C	
CP-04	SALT CREEK	25-Sep-12	Total suspended solids		16	mg/l	
CP-04	SALT CREEK	25-Sep-12	Vanadium	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Vanadium	Total		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Volatile suspended solids		7	mg/l	
CP-04	SALT CREEK	25-Sep-12	Zinc	Dissolved		ug/l	ND
CP-04	SALT CREEK	25-Sep-12	Zinc	Total		ug/l	ND
CP-04		16-May-12	Dissolved oxygen (DO)		6.5	mg/l	
CP-04		05-Jun-12	Dissolved oxygen (DO)		5.8	mg/l	
CP-04		25-Sep-12	Dissolved oxygen (DO)		6.9	mg/l	
CP-04		16-May-12	Dissolved oxygen saturation		71	%	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		05-Jun-12	Dissolved oxygen saturation		62	%	
CP-04		25-Sep-12	Dissolved oxygen saturation		66	%	
CP-04		16-May-12	pH		7.7	none	
CP-04		05-Jun-12	pH		7.9	none	
CP-04		25-Sep-12	pH		8.1	none	
CP-04		16-May-12	Specific conductance		753	umho/cm	
CP-04		05-Jun-12	Specific conductance		691	umho/cm	
CP-04		25-Sep-12	Specific conductance		830	umho/cm	
CP-04		16-May-12	Temperature, air		20	deg C	
CP-04		05-Jun-12	Temperature, air		18	deg C	
CP-04		25-Sep-12	Temperature, air		13	deg C	
CP-04		16-May-12	Temperature, water		18.4	deg C	
CP-04		05-Jun-12	Temperature, water		17.9	deg C	
CP-04		25-Sep-12	Temperature, water		13.66	deg C	
CP-04		16-May-12	Turbidity		6.9	NTU	
CP-04		05-Jun-12	Turbidity		5.2	NTU	
CP-04		25-Sep-12	Turbidity		11	NTU	
CPC-TU-C1		09-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.01		
CPC-TU-C1		09-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	8.8		
CPC-TU-C1		09-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	2.8		
CPC-TU-C1		09-Sep-99	BOD		27		L
CPC-TU-C1		09-Sep-99	CARBON, TOTAL ORGANIC mg/l		16		
CPC-TU-C1		09-Sep-99	SOLIDS, FIXED,Total mg/l	Total	27		
CPC-TU-C1		09-Sep-99	MERCURY,Total	Total	0.01		K
CPC-TU-C1		09-Sep-99	CALCIUM,Total mg/l	Total	79		
CPC-TU-C1		09-Sep-99	MAGNESIUM,Total mg/l	Total	28		
CPC-TU-C1		09-Sep-99	SODIUM,Total mg/l	Total	170		
CPC-TU-C1		09-Sep-99	POTASSIUM,Total mg/l	Total	11		
CPC-TU-C1		09-Sep-99	ALUMINUM,Total ug/l	Total	100		K
CPC-TU-C1		09-Sep-99	BARIUM,Total ug/l	Total	81		
CPC-TU-C1		09-Sep-99	BORON,Total ug/l	Total	250		
CPC-TU-C1		09-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CPC-TU-C1		09-Sep-99	CADMIUM,Total ug/l	Total	3		K
CPC-TU-C1		09-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CPC-TU-C1		09-Sep-99	COPPER,Total ug/l	Total	10		K
CPC-TU-C1		09-Sep-99	COBALT,Total ug/l	Total	10		K
CPC-TU-C1		09-Sep-99	IRON,Total ug/l	Total	260		
CPC-TU-C1		09-Sep-99	LEAD,Total ug/l	Total	50		K
CPC-TU-C1		09-Sep-99	MANGANESE,Total ug/l	Total	650		
CPC-TU-C1		09-Sep-99	NICKEL,Total ug/l	Total	25		K
CPC-TU-C1		09-Sep-99	SILVER,Total ug/l	Total	3		K
CPC-TU-C1		09-Sep-99	STRONTIUM,Total ug/l	Total	200		
CPC-TU-C1		09-Sep-99	VANADIUM,Total ug/l	Total	5		K
CPC-TU-C1		09-Sep-99	ZINC,Total ug/l	Total	100		K
CPC-TU-C1		09-Sep-99	HARDNESS, CA,MG mg/l		314		C
CPC-TU-C1		09-Sep-99	TEMPERATURE, AIR deg C		24		
CPC-TU-C1		09-Sep-99	TEMPERATURE, WATER deg C		19.5		
CPC-TU-C1		09-Sep-99	DISSOLVED OXYGEN (DO) mg/l		3.1		
CPC-TU-C1		09-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		1285		
CPC-TU-C1		09-Sep-99	PH		7.3		
CP-04		13-Jul-99	SOLIDS, FIXED		704		
CP-04		13-Jul-99	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	331		
CP-04		13-Jul-99	FLUORIDES		0.28		
CP-04		13-Jul-99	CHLORIDE,Total mg/l	Total	42.3		
CP-04		13-Jul-99	SULFATE		65.1		
CP-04		13-Jul-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.34		
CP-04		13-Jul-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.3		
CP-04		13-Jul-99	PHENOLS		10		K
CP-04		13-Jul-99	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.3		
CP-04		13-Jul-99	PHOSPHORUS AS P,Total mg/l	Total	0.42		
CP-04		13-Jul-99	CYANIDE		0.01		K
CP-04		13-Jul-99	CARBON, TOTAL ORGANIC mg/l		7.38		
CP-04		13-Jul-99	SOLIDS, FIXED,Total mg/l	Total	7		
CP-04		13-Jul-99	SOLIDS, FIXED, Volatile mg/l	Volatile	3		
CP-04		13-Jul-99	NITROGEN, KJELDAHL,Total mg/l	Total	0.72		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		13-Jul-99	TURBIDITY FTU		9.4		
CP-04		13-Jul-99	ARSENIC,Total	Total	2.8		
CP-04		13-Jul-99	LEAD,Dissolved ug/l	Dissolved	5		K
CP-04		13-Jul-99	LEAD,Total ug/l	Total	5		K
CP-04		13-Jul-99	MERCURY,Total	Total	0.1		
CP-04		13-Jul-99	CALCIUM,Dissolved mg/l	Dissolved	73		
CP-04		13-Jul-99	MAGNESIUM,Dissolved mg/l	Dissolved	25		
CP-04		13-Jul-99	SODIUM,Dissolved mg/l	Dissolved	38		
CP-04		13-Jul-99	POTASSIUM,Dissolved mg/l	Dissolved	8.7		
CP-04		13-Jul-99	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-04		13-Jul-99	BARIUM,Dissolved ug/l	Dissolved	77		
CP-04		13-Jul-99	BORON,Dissolved ug/l	Dissolved	67		
CP-04		13-Jul-99	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-04		13-Jul-99	CADMIUM,Dissolved ug/l	Dissolved	3		K
CP-04		13-Jul-99	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-04		13-Jul-99	COPPER,Dissolved ug/l	Dissolved	10		K
CP-04		13-Jul-99	COBALT,Dissolved ug/l	Dissolved	10		K
CP-04		13-Jul-99	IRON,Dissolved ug/l	Dissolved	50		K
CP-04		13-Jul-99	MANGANESE,Dissolved ug/l	Dissolved	490		
CP-04		13-Jul-99	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-04		13-Jul-99	SILVER,Dissolved ug/l	Dissolved	3		K
CP-04		13-Jul-99	STRONTIUM,Dissolved ug/l	Dissolved	170		
CP-04		13-Jul-99	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-04		13-Jul-99	ZINC,Dissolved ug/l	Dissolved	100		K
CP-04		13-Jul-99	CALCIUM,Total mg/l	Total	77		
CP-04		13-Jul-99	MAGNESIUM,Total mg/l	Total	26		
CP-04		13-Jul-99	SODIUM,Total mg/l	Total	39		
CP-04		13-Jul-99	POTASSIUM,Total mg/l	Total	8.9		
CP-04		13-Jul-99	ALUMINUM,Total ug/l	Total	140		
CP-04		13-Jul-99	BARIUM,Total ug/l	Total	88		
CP-04		13-Jul-99	BORON,Total ug/l	Total	63		
CP-04		13-Jul-99	BERYLLIUM,Total ug/l	Total	1		K
CP-04		13-Jul-99	CADMIUM,Total ug/l	Total	3		K
CP-04		13-Jul-99	CHROMIUM,Total ug/l	Total	5		K
CP-04		13-Jul-99	COPPER,Total ug/l	Total	10		K
CP-04		13-Jul-99	COBALT,Total ug/l	Total	10		K
CP-04		13-Jul-99	IRON,Total ug/l	Total	550		
CP-04		13-Jul-99	MANGANESE,Total ug/l	Total	540		
CP-04		13-Jul-99	NICKEL,Total ug/l	Total	25		K
CP-04		13-Jul-99	SILVER,Total ug/l	Total	3		K
CP-04		13-Jul-99	STRONTIUM,Total ug/l	Total	170		
CP-04		13-Jul-99	VANADIUM,Total ug/l	Total	5		K
CP-04		13-Jul-99	ZINC,Total ug/l	Total	100		K
CP-04		13-Jul-99	HARDNESS, CA,MG mg/l		299		C
CP-04		13-Jul-99	TEMPERATURE, AIR deg C		26		
CP-04		13-Jul-99	TEMPERATURE, WATER deg C		24		
CP-04		13-Jul-99	DISSOLVED OXYGEN (DO) mg/l		8.9		
CP-04		13-Jul-99	CONDUCTANCE, SPECIFIC umho/cm		707		
CP-04		13-Jul-99	PH		7.9		
CPC-TU-C1		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		16		
CPC-TU-C1		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	27		
CPC-TU-C1		07-Sep-99	MERCURY,Total	Total	0.01		K
CPC-TU-C1		07-Sep-99	CALCIUM,Total mg/l	Total	79		
CPC-TU-C1		07-Sep-99	MAGNESIUM,Total mg/l	Total	28		
CPC-TU-C1		07-Sep-99	SODIUM,Total mg/l	Total	170		
CPC-TU-C1		07-Sep-99	POTASSIUM,Total mg/l	Total	11		
CPC-TU-C1		07-Sep-99	ALUMINUM,Total ug/l	Total	100		K
CPC-TU-C1		07-Sep-99	BARIUM,Total ug/l	Total	75		
CPC-TU-C1		07-Sep-99	BORON,Total ug/l	Total	260		
CPC-TU-C1		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CPC-TU-C1		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	COPPER,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	COBALT,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	IRON,Total ug/l	Total	110		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPC-TU-C1		07-Sep-99	LEAD,Total ug/l	Total	50		K
CPC-TU-C1		07-Sep-99	MANGANESE,Total ug/l	Total	390		
CPC-TU-C1		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CPC-TU-C1		07-Sep-99	SILVER,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	STRONTIUM,Total ug/l	Total	200		
CPC-TU-C1		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	ZINC,Total ug/l	Total	100		K
CPC-TU-C1		07-Sep-99	HARDNESS, CA,MG mg/l		312		C
CPC-TU-C1		07-Sep-99	TEMPERATURE, AIR deg C		24		
CPC-TU-C1		07-Sep-99	TEMPERATURE, WATER deg C		22.4		
CPC-TU-C1		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		2		
CPC-TU-C1		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		1275		
CPC-TU-C1		07-Sep-99	PH		7.1		
CPC-TU-C1		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.01		K
CPC-TU-C1		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	8.7		
CPC-TU-C1		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	3.2		
CPC-TU-C1		07-Sep-99	BOD		26		
CPC-TU-C1		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.01		K
CPC-TU-C1		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.83		
CPC-TU-C1		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	0.5		
CPC-TU-C1		07-Sep-99	BOD, CARBONACEOUS		3		
CPC-TU-C1		07-Sep-99	BOD		5		
CPC-TU-C1		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		9.8		
CPC-TU-C1		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	42		
CPC-TU-C1		07-Sep-99	MERCURY,Total	Total	0.01		K
CPC-TU-C1		07-Sep-99	CALCIUM,Total mg/l	Total	53		
CPC-TU-C1		07-Sep-99	MAGNESIUM,Total mg/l	Total	17		
CPC-TU-C1		07-Sep-99	SODIUM,Total mg/l	Total	45		
CPC-TU-C1		07-Sep-99	POTASSIUM,Total mg/l	Total	6.2		
CPC-TU-C1		07-Sep-99	ALUMINUM,Total ug/l	Total	240		
CPC-TU-C1		07-Sep-99	BARIUM,Total ug/l	Total	60		
CPC-TU-C1		07-Sep-99	BORON,Total ug/l	Total	38		
CPC-TU-C1		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CPC-TU-C1		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	COPPER,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	COBALT,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	IRON,Total ug/l	Total	250		
CPC-TU-C1		07-Sep-99	LEAD,Total ug/l	Total	50		K
CPC-TU-C1		07-Sep-99	MANGANESE,Total ug/l	Total	400		
CPC-TU-C1		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CPC-TU-C1		07-Sep-99	SILVER,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	STRONTIUM,Total ug/l	Total	130		
CPC-TU-C1		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	ZINC,Total ug/l	Total	100		K
CPC-TU-C1		07-Sep-99	HARDNESS, CA,MG mg/l		200		C
CPC-TU-C1		07-Sep-99	TEMPERATURE, AIR deg C		20		
CPC-TU-C1		07-Sep-99	TEMPERATURE, WATER deg C		18.4		
CPC-TU-C1		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		3.1		
CPC-TU-C1		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		460		
CPC-TU-C1		07-Sep-99	PH		7.4		
CPC-TU-C1		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.08		
CPC-TU-C1		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	4.8		
CPC-TU-C1		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	2.8		
CPC-TU-C1		07-Sep-99	BOD, CARBONACEOUS		2		
CPC-TU-C1		07-Sep-99	BOD		14		L
CPC-TU-C1		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		13		
CPC-TU-C1		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	20		
CPC-TU-C1		07-Sep-99	MERCURY,Total	Total	0.01		K
CPC-TU-C1		07-Sep-99	CALCIUM,Total mg/l	Total	83		
CPC-TU-C1		07-Sep-99	MAGNESIUM,Total mg/l	Total	29		
CPC-TU-C1		07-Sep-99	SODIUM,Total mg/l	Total	160		
CPC-TU-C1		07-Sep-99	POTASSIUM,Total mg/l	Total	11		
CPC-TU-C1		07-Sep-99	ALUMINUM,Total ug/l	Total	150		
CPC-TU-C1		07-Sep-99	BARIUM,Total ug/l	Total	180		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPC-TU-C1		07-Sep-99	BORON,Total ug/l	Total	230		
CPC-TU-C1		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CPC-TU-C1		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	COPPER,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	COBALT,Total ug/l	Total	10		K
CPC-TU-C1		07-Sep-99	IRON,Total ug/l	Total	1700		
CPC-TU-C1		07-Sep-99	LEAD,Total ug/l	Total	50		K
CPC-TU-C1		07-Sep-99	MANGANESE,Total ug/l	Total	2000		
CPC-TU-C1		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CPC-TU-C1		07-Sep-99	SILVER,Total ug/l	Total	3		K
CPC-TU-C1		07-Sep-99	STRONTIUM,Total ug/l	Total	220		
CPC-TU-C1		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CPC-TU-C1		07-Sep-99	ZINC,Total ug/l	Total	100		K
CPC-TU-C1		07-Sep-99	HARDNESS, CA,MG mg/l		326		C
CPC-TU-C1		07-Sep-99	TEMPERATURE, AIR deg C		25		
CPC-TU-C1		07-Sep-99	TEMPERATURE, WATER deg C		19.1		
CPC-TU-C1		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		2.8		
CPC-TU-C1		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		1237		
CPC-TU-C1		07-Sep-99	PH		7.2		
CP-TU-C3		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.47		
CP-TU-C3		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.94		
CP-TU-C3		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	1.4		
CP-TU-C3		07-Sep-99	BOD, CARBONACEOUS		2		
CP-TU-C3		07-Sep-99	BOD		5		
CP-TU-C3		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		13		
CP-TU-C3		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	15		
CP-TU-C3		07-Sep-99	MERCURY,Total	Total	0.01		K
CP-TU-C3		07-Sep-99	CALCIUM,Total mg/l	Total	82		
CP-TU-C3		07-Sep-99	MAGNESIUM,Total mg/l	Total	28		
CP-TU-C3		07-Sep-99	SODIUM,Total mg/l	Total	150		
CP-TU-C3		07-Sep-99	POTASSIUM,Total mg/l	Total	11		
CP-TU-C3		07-Sep-99	ALUMINUM,Total ug/l	Total	100		K
CP-TU-C3		07-Sep-99	BARIUM,Total ug/l	Total	63		
CP-TU-C3		07-Sep-99	BORON,Total ug/l	Total	200		
CP-TU-C3		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-TU-C3		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-TU-C3		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-TU-C3		07-Sep-99	COPPER,Total ug/l	Total	10		K
CP-TU-C3		07-Sep-99	COBALT,Total ug/l	Total	10		K
CP-TU-C3		07-Sep-99	IRON,Total ug/l	Total	430		
CP-TU-C3		07-Sep-99	LEAD,Total ug/l	Total	50		K
CP-TU-C3		07-Sep-99	MANGANESE,Total ug/l	Total	1300		
CP-TU-C3		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-TU-C3		07-Sep-99	SILVER,Total ug/l	Total	3		K
CP-TU-C3		07-Sep-99	STRONTIUM,Total ug/l	Total	210		
CP-TU-C3		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-TU-C3		07-Sep-99	ZINC,Total ug/l	Total	100		K
CP-TU-C3		07-Sep-99	HARDNESS, CA,MG mg/l		321		C
CP-TU-C3		07-Sep-99	TEMPERATURE, AIR deg C		25		
CP-TU-C3		07-Sep-99	TEMPERATURE, WATER deg C		22.8		
CP-TU-C3		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		8.4		
CP-TU-C3		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		1153		
CP-TU-C3		07-Sep-99	PH		7.8		
CP-EF-C4		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		11		
CP-EF-C4		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.18		
CP-EF-C4		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	8.2		
CP-EF-C4		07-Sep-99	BOD, CARBONACEOUS		3		
CP-EF-C4		07-Sep-99	BOD		5		
CP-EF-C4		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		13		
CP-EF-C4		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	9		
CP-EF-C4		07-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C4		07-Sep-99	CALCIUM,Total mg/l	Total	28		
CP-EF-C4		07-Sep-99	MAGNESIUM,Total mg/l	Total	9.5		
CP-EF-C4		07-Sep-99	SODIUM,Total mg/l	Total	86		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-EF-C4		07-Sep-99	POTASSIUM,Total mg/l	Total	16		
CP-EF-C4		07-Sep-99	ALUMINUM,Total ug/l	Total	190		
CP-EF-C4		07-Sep-99	BARIUM,Total ug/l	Total	12		
CP-EF-C4		07-Sep-99	BORON,Total ug/l	Total	270		
CP-EF-C4		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C4		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C4		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C4		07-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C4		07-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C4		07-Sep-99	IRON,Total ug/l	Total	250		
CP-EF-C4		07-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C4		07-Sep-99	MANGANESE,Total ug/l	Total	83		
CP-EF-C4		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C4		07-Sep-99	SILVER,Total ug/l	Total	3		K
CP-EF-C4		07-Sep-99	STRONTIUM,Total ug/l	Total	67		
CP-EF-C4		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C4		07-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C4		07-Sep-99	HARDNESS, CA,MG mg/l		108		C
CP-EF-C4		07-Sep-99	TEMPERATURE, AIR deg C		28		
CP-EF-C4		07-Sep-99	TEMPERATURE, WATER deg C		24.5		
CP-EF-C4		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		8		
CP-EF-C4		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		602		
CP-EF-C4		07-Sep-99	PH		7		
CP-EF-C2		07-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.02		
CP-EF-C2		07-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.2		
CP-EF-C2		07-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	0.4		
CP-EF-C2		07-Sep-99	BOD, CARBONACEOUS		1		
CP-EF-C2		07-Sep-99	BOD		2		
CP-EF-C2		07-Sep-99	CARBON, TOTAL ORGANIC mg/l		8.6		
CP-EF-C2		07-Sep-99	SOLIDS, FIXED,Total mg/l	Total	25		
CP-EF-C2		07-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C2		07-Sep-99	CALCIUM,Total mg/l	Total	80		
CP-EF-C2		07-Sep-99	MAGNESIUM,Total mg/l	Total	29		
CP-EF-C2		07-Sep-99	SODIUM,Total mg/l	Total	70		
CP-EF-C2		07-Sep-99	POTASSIUM,Total mg/l	Total	8.9		
CP-EF-C2		07-Sep-99	ALUMINUM,Total ug/l	Total	910		
CP-EF-C2		07-Sep-99	BARIUM,Total ug/l	Total	96		
CP-EF-C2		07-Sep-99	BORON,Total ug/l	Total	1200		
CP-EF-C2		07-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		07-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C2		07-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		07-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C2		07-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C2		07-Sep-99	IRON,Total ug/l	Total	1200		
CP-EF-C2		07-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C2		07-Sep-99	MANGANESE,Total ug/l	Total	1500		
CP-EF-C2		07-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		07-Sep-99	SILVER,Total ug/l	Total	3		K
CP-EF-C2		07-Sep-99	STRONTIUM,Total ug/l	Total	210		
CP-EF-C2		07-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		07-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C2		07-Sep-99	HARDNESS, CA,MG mg/l		318		C
CP-EF-C2		07-Sep-99	TEMPERATURE, AIR deg C		28		
CP-EF-C2		07-Sep-99	TEMPERATURE, WATER deg C		22.6		
CP-EF-C2		07-Sep-99	DISSOLVED OXYGEN (DO) mg/l		6.4		
CP-EF-C2		07-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		820		
CP-EF-C2		07-Sep-99	PH		7.6		
CP-EF-C2		08-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.25		
CP-EF-C2		08-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.11		
CP-EF-C2		08-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	0.09		
CP-EF-C2		08-Sep-99	BOD, CARBONACEOUS		1		K
CP-EF-C2		08-Sep-99	BOD		1		K
CP-EF-C2		08-Sep-99	SOLIDS, FIXED,Total mg/l	Total	5		
CP-EF-C2		08-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C2		08-Sep-99	CALCIUM,Total mg/l	Total	89		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-EF-C2		08-Sep-99	MAGNESIUM,Total mg/l	Total	33		
CP-EF-C2		08-Sep-99	SODIUM,Total mg/l	Total	60		
CP-EF-C2		08-Sep-99	POTASSIUM,Total mg/l	Total	3.8		
CP-EF-C2		08-Sep-99	ALUMINUM,Total ug/l	Total	100		K
CP-EF-C2		08-Sep-99	BARIUM,Total ug/l	Total	59		
CP-EF-C2		08-Sep-99	BORON,Total ug/l	Total	200		
CP-EF-C2		08-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		08-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	IRON,Total ug/l	Total	50		K
CP-EF-C2		08-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C2		08-Sep-99	MANGANESE,Total ug/l	Total	29		
CP-EF-C2		08-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		08-Sep-99	SILVER,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	STRONTIUM,Total ug/l	Total	200		
CP-EF-C2		08-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C2		08-Sep-99	HARDNESS, CA,MG mg/l		355		C
CP-EF-C2		08-Sep-99	TEMPERATURE, AIR deg C		20		
CP-EF-C2		08-Sep-99	TEMPERATURE, WATER deg C		18.7		
CP-EF-C2		08-Sep-99	DISSOLVED OXYGEN (DO) mg/l		4.6		
CP-EF-C2		08-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		872		
CP-EF-C2		08-Sep-99	PH		7.8		
CP-EF-C2		08-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		13		
CP-EF-C2		08-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.98		
CP-EF-C2		08-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	10		
CP-EF-C2		08-Sep-99	BOD, CARBONACEOUS		6		
CP-EF-C2		08-Sep-99	BOD		11		
CP-EF-C2		08-Sep-99	CARBON, TOTAL ORGANIC mg/l		19		
CP-EF-C2		08-Sep-99	SOLIDS, FIXED,Total mg/l	Total	10		
CP-EF-C2		08-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C2		08-Sep-99	CALCIUM,Total mg/l	Total	27		
CP-EF-C2		08-Sep-99	MAGNESIUM,Total mg/l	Total	8.9		
CP-EF-C2		08-Sep-99	SODIUM,Total mg/l	Total	100		
CP-EF-C2		08-Sep-99	POTASSIUM,Total mg/l	Total	17		
CP-EF-C2		08-Sep-99	ALUMINUM,Total ug/l	Total	120		
CP-EF-C2		08-Sep-99	BARIUM,Total ug/l	Total	9		
CP-EF-C2		08-Sep-99	BORON,Total ug/l	Total	320		
CP-EF-C2		08-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		08-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	IRON,Total ug/l	Total	190		
CP-EF-C2		08-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C2		08-Sep-99	MANGANESE,Total ug/l	Total	75		
CP-EF-C2		08-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		08-Sep-99	SILVER,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	STRONTIUM,Total ug/l	Total	67		
CP-EF-C2		08-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C2		08-Sep-99	HARDNESS, CA,MG mg/l		103		C
CP-EF-C2		08-Sep-99	TEMPERATURE, AIR deg C		22		
CP-EF-C2		08-Sep-99	TEMPERATURE, WATER deg C		24.5		
CP-EF-C2		08-Sep-99	DISSOLVED OXYGEN (DO) mg/l		3.1		
CP-EF-C2		08-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		704		
CP-EF-C2		08-Sep-99	PH		6.8		
CP-EF-C2		08-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		13		
CP-EF-C2		08-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	2.2		
CP-EF-C2		08-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	9		
CP-EF-C2		08-Sep-99	BOD, CARBONACEOUS		5		
CP-EF-C2		08-Sep-99	BOD		7		
CP-EF-C2		08-Sep-99	CARBON, TOTAL ORGANIC mg/l		17		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-EF-C2		08-Sep-99	SOLIDS, FIXED,Total mg/l	Total	8		
CP-EF-C2		08-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C2		08-Sep-99	CALCIUM,Total mg/l	Total	28		
CP-EF-C2		08-Sep-99	MAGNESIUM,Total mg/l	Total	9.5		
CP-EF-C2		08-Sep-99	SODIUM,Total mg/l	Total	97		
CP-EF-C2		08-Sep-99	POTASSIUM,Total mg/l	Total	17		
CP-EF-C2		08-Sep-99	ALUMINUM,Total ug/l	Total	260		
CP-EF-C2		08-Sep-99	BARIUM,Total ug/l	Total	11		
CP-EF-C2		08-Sep-99	BORON,Total ug/l	Total	340		
CP-EF-C2		08-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		08-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	IRON,Total ug/l	Total	310		
CP-EF-C2		08-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C2		08-Sep-99	MANGANESE,Total ug/l	Total	120		
CP-EF-C2		08-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		08-Sep-99	SILVER,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	STRONTIUM,Total ug/l	Total	73		
CP-EF-C2		08-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C2		08-Sep-99	HARDNESS, CA,MG mg/l		109		C
CP-EF-C2		08-Sep-99	TEMPERATURE, AIR deg C		24		
CP-EF-C2		08-Sep-99	TEMPERATURE, WATER deg C		22		
CP-EF-C2		08-Sep-99	DISSOLVED OXYGEN (DO) mg/l		2.4		
CP-EF-C2		08-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		710		
CP-EF-C2		08-Sep-99	PH		7		
CP-EF-C2		08-Sep-99	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		13		
CP-EF-C2		08-Sep-99	NITROGEN, AMMONIA (NH3),Total mg/l	Total	1.2		
CP-EF-C2		08-Sep-99	PHOSPHORUS AS P,Total mg/l	Total	9.9		
CP-EF-C2		08-Sep-99	BOD, CARBONACEOUS		5		
CP-EF-C2		08-Sep-99	BOD		12		
CP-EF-C2		08-Sep-99	CARBON, TOTAL ORGANIC mg/l		18		
CP-EF-C2		08-Sep-99	SOLIDS, FIXED,Total mg/l	Total	12		
CP-EF-C2		08-Sep-99	MERCURY,Total	Total	0.01		K
CP-EF-C2		08-Sep-99	CALCIUM,Total mg/l	Total	27		
CP-EF-C2		08-Sep-99	MAGNESIUM,Total mg/l	Total	9.1		
CP-EF-C2		08-Sep-99	SODIUM,Total mg/l	Total	99		
CP-EF-C2		08-Sep-99	POTASSIUM,Total mg/l	Total	17		
CP-EF-C2		08-Sep-99	ALUMINUM,Total ug/l	Total	160		
CP-EF-C2		08-Sep-99	BARIUM,Total ug/l	Total	9		
CP-EF-C2		08-Sep-99	BORON,Total ug/l	Total	330		
CP-EF-C2		08-Sep-99	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		08-Sep-99	CADMIUM,Total ug/l	Total	3		K
CP-EF-C2		08-Sep-99	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	COPPER,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	COBALT,Total ug/l	Total	10		K
CP-EF-C2		08-Sep-99	IRON,Total ug/l	Total	200		
CP-EF-C2		08-Sep-99	LEAD,Total ug/l	Total	50		K
CP-EF-C2		08-Sep-99	MANGANESE,Total ug/l	Total	75		
CP-EF-C2		08-Sep-99	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		08-Sep-99	SILVER,Total ug/l	Total	5		
CP-EF-C2		08-Sep-99	STRONTIUM,Total ug/l	Total	67		
CP-EF-C2		08-Sep-99	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		08-Sep-99	ZINC,Total ug/l	Total	100		K
CP-EF-C2		08-Sep-99	HARDNESS, CA,MG mg/l		104		C
CP-EF-C2		08-Sep-99	TEMPERATURE, AIR deg C		22		
CP-EF-C2		08-Sep-99	TEMPERATURE, WATER deg C		24.4		
CP-EF-C2		08-Sep-99	DISSOLVED OXYGEN (DO) mg/l		6.5		
CP-EF-C2		08-Sep-99	CONDUCTANCE, SPECIFIC umho/cm		705		
CP-EF-C2		08-Sep-99	PH		7		
CP-04		10-Jan-00	CADMIUM,Total ug/l	Total	3		K
CP-04		10-Jan-00	CHROMIUM,Total ug/l	Total	5		K
CP-04		10-Jan-00	COPPER,Total ug/l	Total	10		K

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		10-Jan-00	COBALT,Total ug/l	Total	10		K
CP-04		10-Jan-00	IRON,Total ug/l	Total	800		
CP-04		10-Jan-00	MANGANESE,Total ug/l	Total	310		
CP-04		10-Jan-00	NICKEL,Total ug/l	Total	25		K
CP-04		10-Jan-00	SILVER,Total ug/l	Total	3		K
CP-04		10-Jan-00	STRONTIUM,Total ug/l	Total	160		
CP-04		10-Jan-00	VANADIUM,Total ug/l	Total	5		K
CP-04		10-Jan-00	ZINC,Total ug/l	Total	100		K
CP-04		10-Jan-00	HARDNESS, CA,MG mg/l		308		C
CP-04		10-Jan-00	TEMPERATURE, AIR deg C		12		
CP-04		10-Jan-00	TEMPERATURE, WATER deg C		6.8		
CP-04		10-Jan-00	MERCURY,Total	Total	0.01		K
CP-04		10-Jan-00	CALCIUM,Dissolved mg/l	Dissolved	78		
CP-04		10-Jan-00	MAGNESIUM,Dissolved mg/l	Dissolved	28		
CP-04		10-Jan-00	SODIUM,Dissolved mg/l	Dissolved	57		
CP-04		10-Jan-00	POTASSIUM,Dissolved mg/l	Dissolved	11		
CP-04		10-Jan-00	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-04		10-Jan-00	BARIUM,Dissolved ug/l	Dissolved	66		
CP-04		10-Jan-00	DISSOLVED OXYGEN (DO) mg/l		13.7		
CP-04		10-Jan-00	CONDUCTANCE, SPECIFIC umho/cm		790		
CP-04		10-Jan-00	PH		8.1		
CP-04		10-Jan-00	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.92		
CP-04		10-Jan-00	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.62		
CP-04		10-Jan-00	PHENOLS		10		K
CP-04		10-Jan-00	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.27		
CP-04		10-Jan-00	PHOSPHORUS AS P,Total mg/l	Total	0.45		
CP-04		10-Jan-00	CYANIDE		0.01		K
CP-04		10-Jan-00	CARBON, TOTAL ORGANIC mg/l		7.4		
CP-04		10-Jan-00	SOLIDS, FIXED,Total mg/l	Total	14		
CP-04		10-Jan-00	SOLIDS, FIXED,Volatile mg/l	Volatile	7		
CP-04		10-Jan-00	NITROGEN, KJELDAHL,Total mg/l	Total	0.77		
CP-04		10-Jan-00	TURBIDITY FTU		15		
CP-04		10-Jan-00	ARSENIC,Total	Total	2.2		
CP-04		10-Jan-00	LEAD,Dissolved ug/l	Dissolved	5		K
CP-04		10-Jan-00	LEAD,Total ug/l	Total	5		K
CP-04		10-Jan-00	MAGNESIUM,Total mg/l	Total	28		
CP-04		10-Jan-00	SODIUM,Total mg/l	Total	60		
CP-04		10-Jan-00	POTASSIUM,Total mg/l	Total	11		
CP-04		10-Jan-00	ALUMINUM,Total ug/l	Total	270		
CP-04		10-Jan-00	BARIUM,Total ug/l	Total	77		
CP-04		10-Jan-00	BORON,Total ug/l	Total	82		
CP-04		10-Jan-00	BERYLLIUM,Total ug/l	Total	1		K
CP-04		10-Jan-00	SOLIDS, FIXED		521		
CP-04		10-Jan-00	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	233		
CP-04		10-Jan-00	FLUORIDES		0.27		
CP-04		10-Jan-00	CHLORIDE,Total mg/l	Total	70.8		
CP-04		10-Jan-00	SULFATE		84.8		
CP-04		10-Jan-00	BORON,Dissolved ug/l	Dissolved	78		
CP-04		10-Jan-00	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-04		10-Jan-00	CADMIUM,Dissolved ug/l	Dissolved	3		K
CP-04		10-Jan-00	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-04		10-Jan-00	COPPER,Dissolved ug/l	Dissolved	10		K
CP-04		10-Jan-00	COBALT,Dissolved ug/l	Dissolved	10		K
CP-04		10-Jan-00	IRON,Dissolved ug/l	Dissolved	50		K
CP-04		10-Jan-00	MANGANESE,Dissolved ug/l	Dissolved	290		
CP-04		10-Jan-00	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-04		10-Jan-00	SILVER,Dissolved ug/l	Dissolved	3		K
CP-04		10-Jan-00	STRONTIUM,Dissolved ug/l	Dissolved	160		
CP-04		10-Jan-00	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-04		10-Jan-00	ZINC,Dissolved ug/l	Dissolved	100		K
CP-04		10-Jan-00	CALCIUM,Total mg/l	Total	78		
CPC-TU-C1		12-Sep-01	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		9.94		
CPC-TU-C1		12-Sep-01	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed	Fixed	16.1		
CPC-TU-C1		12-Sep-01	CHLOROPHYLL-B		1.18		
CPC-TU-C1		12-Sep-01	CHLOROPHYLL-C		1		K

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPC-TU-C1		12-Sep-01	PHEOPHYTIN-A		9.64		
CPC-TU-C1		12-Sep-01	DEPTH ft		1		
CPC-TU-C1		12-Sep-01	CHLOROPHYLL (A+B+C),Filterable	Filterable	330		
CPC-TU-C1		12-Sep-01	SOLIDS, FIXED		760		
CPC-TU-C1		12-Sep-01	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	240		
CPC-TU-C1		12-Sep-01	FLUORIDES		0.93		
CPC-TU-C1		12-Sep-01	CHLORIDE,Total mg/l	Total	214		
CPC-TU-C1		12-Sep-01	SULFATE		77.5		
CPC-TU-C1		12-Sep-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		0.77		
CPC-TU-C1		12-Sep-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.68		
CPC-TU-C1		12-Sep-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	2.3		
CPC-TU-C1		12-Sep-01	PHOSPHORUS AS P,Total mg/l	Total	2.5		
CPC-TU-C1		12-Sep-01	CARBON, TOTAL ORGANIC mg/l		11		
CPC-TU-C1		12-Sep-01	SOLIDS, FIXED,Total mg/l	Total	19		
CPC-TU-C1		12-Sep-01	SOLIDS, FIXED,Volatile mg/l	Volatile	7		
CPC-TU-C1		12-Sep-01	ARSENIC,Total	Total	2.1		
CPC-TU-C1		12-Sep-01	LEAD,Dissolved ug/l	Dissolved	5		K
CPC-TU-C1		12-Sep-01	LEAD,Total ug/l	Total	5		K
CPC-TU-C1		12-Sep-01	CALCIUM,Dissolved mg/l	Dissolved	80		
CPC-TU-C1		12-Sep-01	MAGNESIUM,Dissolved mg/l	Dissolved	27		
CPC-TU-C1		12-Sep-01	SODIUM,Dissolved mg/l	Dissolved	150		
CPC-TU-C1		12-Sep-01	POTASSIUM,Dissolved mg/l	Dissolved	10		
CPC-TU-C1		12-Sep-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CPC-TU-C1		12-Sep-01	BARIUM,Dissolved ug/l	Dissolved	65		
CPC-TU-C1		12-Sep-01	BORON,Dissolved ug/l	Dissolved	170		
CPC-TU-C1		12-Sep-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CPC-TU-C1		12-Sep-01	CADMIUM,Dissolved ug/l	Dissolved	3		K
CPC-TU-C1		12-Sep-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CPC-TU-C1		12-Sep-01	COPPER,Dissolved ug/l	Dissolved	10		K
CPC-TU-C1		12-Sep-01	COBALT,Dissolved ug/l	Dissolved	10		K
CPC-TU-C1		12-Sep-01	IRON,Dissolved ug/l	Dissolved	50		K
CPC-TU-C1		12-Sep-01	MANGANESE,Dissolved ug/l	Dissolved	260		
CPC-TU-C1		12-Sep-01	NICKEL,Dissolved ug/l	Dissolved	25		K
CPC-TU-C1		12-Sep-01	SILVER,Dissolved ug/l	Dissolved	3		K
CPC-TU-C1		12-Sep-01	STRONTIUM,Dissolved ug/l	Dissolved	180		
CPC-TU-C1		12-Sep-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
CPC-TU-C1		12-Sep-01	ZINC,Dissolved ug/l	Dissolved	100		K
CPC-TU-C1		12-Sep-01	CALCIUM,Total mg/l	Total	83		
CPC-TU-C1		12-Sep-01	MAGNESIUM,Total mg/l	Total	28		
CPC-TU-C1		12-Sep-01	SODIUM,Total mg/l	Total	160		
CPC-TU-C1		12-Sep-01	POTASSIUM,Total mg/l	Total	10		
CPC-TU-C1		12-Sep-01	ALUMINUM,Total ug/l	Total	220		
CPC-TU-C1		12-Sep-01	BARIUM,Total ug/l	Total	75		
CPC-TU-C1		12-Sep-01	BORON,Total ug/l	Total	180		
CPC-TU-C1		12-Sep-01	BERYLLIUM,Total ug/l	Total	1		K
CPC-TU-C1		12-Sep-01	CADMIUM,Total ug/l	Total	3		K
CPC-TU-C1		12-Sep-01	CHROMIUM,Total ug/l	Total	5		K
CPC-TU-C1		12-Sep-01	COPPER,Total ug/l	Total	10		K
CPC-TU-C1		12-Sep-01	COBALT,Total ug/l	Total	10		K
CPC-TU-C1		12-Sep-01	IRON,Total ug/l	Total	380		
CPC-TU-C1		12-Sep-01	MANGANESE,Total ug/l	Total	280		
CPC-TU-C1		12-Sep-01	NICKEL,Total ug/l	Total	25		K
CPC-TU-C1		12-Sep-01	SILVER,Total ug/l	Total	3		K
CPC-TU-C1		12-Sep-01	STRONTIUM,Total ug/l	Total	190		
CPC-TU-C1		12-Sep-01	VANADIUM,Total ug/l	Total	5		K
CPC-TU-C1		12-Sep-01	ZINC,Total ug/l	Total	100		K
CPC-TU-C1		12-Sep-01	HARDNESS, CA,MG mg/l		323		C
CPC-TU-C1		12-Sep-01	TEMPERATURE, AIR deg C		24		
CPC-TU-C1		12-Sep-01	TEMPERATURE, WATER deg C		19.7		
CPC-TU-C1		12-Sep-01	DISSOLVED OXYGEN (DO) mg/l		2.8		
CPC-TU-C1		12-Sep-01	CONDUCTANCE, SPECIFIC umho/cm		1281		
CPC-TU-C1		12-Sep-01	PH		7.5		
CPC-TU-C1		12-Sep-01	TURBIDITY NTU		14		
CP-EF-C2		20-Sep-01	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		3.6		
CP-EF-C2		20-Sep-01	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed	Fixed	3.62		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-EF-C2		20-Sep-01	CHLOROPHYLL-B		1		K
CP-EF-C2		20-Sep-01	CHLOROPHYLL-C		1		K
CP-EF-C2		20-Sep-01	PHEOPHYTIN-A		1		K
CP-EF-C2		20-Sep-01	DEPTH ft		1		
CP-EF-C2		20-Sep-01	CHLOROPHYLL (A+B+C),Filterable	Filterable	560		
CP-EF-C2		20-Sep-01	SOLIDS, FIXED		353		
CP-EF-C2		20-Sep-01	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	64.6		
CP-EF-C2		20-Sep-01	FLUORIDES		2.03		
CP-EF-C2		20-Sep-01	CHLORIDE,Total mg/l	Total	75.2		
CP-EF-C2		20-Sep-01	SULFATE		29.4		
CP-EF-C2		20-Sep-01	NITROGEN, NITRITE (NO2) + NITRATE (NO3) mg/l		13		
CP-EF-C2		20-Sep-01	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.08		
CP-EF-C2		20-Sep-01	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	5		
CP-EF-C2		20-Sep-01	PHOSPHORUS AS P,Total mg/l	Total	5.7		
CP-EF-C2		20-Sep-01	CARBON, TOTAL ORGANIC mg/l		9.3		
CP-EF-C2		20-Sep-01	SOLIDS, FIXED,Total mg/l	Total	11		
CP-EF-C2		20-Sep-01	SOLIDS, FIXED,Volatile mg/l	Volatile	5		
CP-EF-C2		20-Sep-01	ARSENIC,Total	Total	2		
CP-EF-C2		20-Sep-01	LEAD,Dissolved ug/l	Dissolved	5		K
CP-EF-C2		20-Sep-01	LEAD,Total ug/l	Total	5		K
CP-EF-C2		20-Sep-01	CALCIUM,Dissolved mg/l	Dissolved	29		
CP-EF-C2		20-Sep-01	MAGNESIUM,Dissolved mg/l	Dissolved	9.2		
CP-EF-C2		20-Sep-01	SODIUM,Dissolved mg/l	Dissolved	64		
CP-EF-C2		20-Sep-01	POTASSIUM,Dissolved mg/l	Dissolved	16		
CP-EF-C2		20-Sep-01	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-EF-C2		20-Sep-01	BARIUM,Dissolved ug/l	Dissolved	5		K
CP-EF-C2		20-Sep-01	BORON,Dissolved ug/l	Dissolved	250		
CP-EF-C2		20-Sep-01	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-EF-C2		20-Sep-01	CADMIUM,Dissolved ug/l	Dissolved	3		
CP-EF-C2		20-Sep-01	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-EF-C2		20-Sep-01	COPPER,Dissolved ug/l	Dissolved	10		K
CP-EF-C2		20-Sep-01	COBALT,Dissolved ug/l	Dissolved	10		K
CP-EF-C2		20-Sep-01	IRON,Dissolved ug/l	Dissolved	50		K
CP-EF-C2		20-Sep-01	MANGANESE,Dissolved ug/l	Dissolved	15		K
CP-EF-C2		20-Sep-01	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-EF-C2		20-Sep-01	SILVER,Dissolved ug/l	Dissolved	3		K
CP-EF-C2		20-Sep-01	STRONTIUM,Dissolved ug/l	Dissolved	56		
CP-EF-C2		20-Sep-01	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-EF-C2		20-Sep-01	ZINC,Dissolved ug/l	Dissolved	100		K
CP-EF-C2		20-Sep-01	CALCIUM,Total mg/l	Total	32		
CP-EF-C2		20-Sep-01	MAGNESIUM,Total mg/l	Total	10		
CP-EF-C2		20-Sep-01	SODIUM,Total mg/l	Total	69		
CP-EF-C2		20-Sep-01	POTASSIUM,Total mg/l	Total	18		
CP-EF-C2		20-Sep-01	ALUMINUM,Total ug/l	Total	100		K
CP-EF-C2		20-Sep-01	BARIUM,Total ug/l	Total	8		
CP-EF-C2		20-Sep-01	BORON,Total ug/l	Total	260		
CP-EF-C2		20-Sep-01	BERYLLIUM,Total ug/l	Total	1		K
CP-EF-C2		20-Sep-01	CADMIUM,Total ug/l	Total	4		
CP-EF-C2		20-Sep-01	CHROMIUM,Total ug/l	Total	5		K
CP-EF-C2		20-Sep-01	COPPER,Total ug/l	Total	10		K
CP-EF-C2		20-Sep-01	COBALT,Total ug/l	Total	10		K
CP-EF-C2		20-Sep-01	IRON,Total ug/l	Total	130		
CP-EF-C2		20-Sep-01	MANGANESE,Total ug/l	Total	17		
CP-EF-C2		20-Sep-01	NICKEL,Total ug/l	Total	25		K
CP-EF-C2		20-Sep-01	SILVER,Total ug/l	Total	3		K
CP-EF-C2		20-Sep-01	STRONTIUM,Total ug/l	Total	62		
CP-EF-C2		20-Sep-01	VANADIUM,Total ug/l	Total	5		K
CP-EF-C2		20-Sep-01	ZINC,Total ug/l	Total	100		
CP-EF-C2		20-Sep-01	HARDNESS, CA,MG mg/l		120		C
CP-EF-C2		20-Sep-01	TEMPERATURE, AIR deg C		20		
CP-EF-C2		20-Sep-01	TEMPERATURE, WATER deg C		23.6		
CP-EF-C2		20-Sep-01	DISSOLVED OXYGEN (DO) mg/l		7.7		
CP-EF-C2		20-Sep-01	CONDUCTANCE, SPECIFIC umho/cm		584		
CP-EF-C2		20-Sep-01	PH		7.3		
CP-EF-C2		20-Sep-01	TURBIDITY NTU		6		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		29-Jul-02	SOLIDS, FIXED		400		
CP-04		29-Jul-02	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	235		
CP-04		29-Jul-02	FLUORIDES		0.29		
CP-04		29-Jul-02	CHLORIDE,Total mg/l	Total	38.6		
CP-04		29-Jul-02	SULFATE		41.9		
CP-04		29-Jul-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),Total mg/l	Total	0.09		
CP-04		29-Jul-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
CP-04		29-Jul-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.3		
CP-04		29-Jul-02	PHOSPHORUS AS P,Total mg/l	Total	0.36		
CP-04		29-Jul-02	CARBON, TOTAL ORGANIC mg/l		6.4		
CP-04		29-Jul-02	SOLIDS, FIXED,Total mg/l	Total	18		
CP-04		29-Jul-02	SOLIDS, FIXED, Volatile mg/l	Volatile	4		
CP-04		29-Jul-02	ARSENIC,Total	Total	4.2		
CP-04		29-Jul-02	LEAD,Dissolved ug/l	Dissolved	5		K
CP-04		29-Jul-02	LEAD,Total ug/l	Total	5		K
CP-04		29-Jul-02	MERCURY,Total	Total	0.01		K
CP-04		29-Jul-02	CALCIUM,Dissolved mg/l	Dissolved	71		
CP-04		29-Jul-02	MAGNESIUM,Dissolved mg/l	Dissolved	25		
CP-04		29-Jul-02	SODIUM,Dissolved mg/l	Dissolved	31		
CP-04		29-Jul-02	POTASSIUM,Dissolved mg/l	Dissolved	7.4		
CP-04		29-Jul-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-04		29-Jul-02	BARIUM,Dissolved ug/l	Dissolved	78		
CP-04		29-Jul-02	BORON,Dissolved ug/l	Dissolved	71		
CP-04		29-Jul-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-04		29-Jul-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
CP-04		29-Jul-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-04		29-Jul-02	COPPER,Dissolved ug/l	Dissolved	10		K
CP-04		29-Jul-02	COBALT,Dissolved ug/l	Dissolved	10		K
CP-04		29-Jul-02	IRON,Dissolved ug/l	Dissolved	50		K
CP-04		29-Jul-02	MANGANESE,Dissolved ug/l	Dissolved	350		
CP-04		29-Jul-02	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-04		29-Jul-02	SILVER,Dissolved ug/l	Dissolved	3		K
CP-04		29-Jul-02	STRONTIUM,Dissolved ug/l	Dissolved	160		
CP-04		29-Jul-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-04		29-Jul-02	ZINC,Dissolved ug/l	Dissolved	100		K
CP-04		29-Jul-02	CALCIUM,Total mg/l	Total	76		
CP-04		29-Jul-02	MAGNESIUM,Total mg/l	Total	27		
CP-04		29-Jul-02	SODIUM,Total mg/l	Total	33		
CP-04		29-Jul-02	POTASSIUM,Total mg/l	Total	8.6		
CP-04		29-Jul-02	ALUMINUM,Total ug/l	Total	200		
CP-04		29-Jul-02	BARIUM,Total ug/l	Total	88		
CP-04		29-Jul-02	BORON,Total ug/l	Total	74		
CP-04		29-Jul-02	BERYLLIUM,Total ug/l	Total	1		K
CP-04		29-Jul-02	CADMIUM,Total ug/l	Total	3		K
CP-04		29-Jul-02	CHROMIUM,Total ug/l	Total	5		K
CP-04		29-Jul-02	COPPER,Total ug/l	Total	10		K
CP-04		29-Jul-02	COBALT,Total ug/l	Total	10		K
CP-04		29-Jul-02	IRON,Total ug/l	Total	340		
CP-04		29-Jul-02	MANGANESE,Total ug/l	Total	440		
CP-04		29-Jul-02	NICKEL,Total ug/l	Total	25		K
CP-04		29-Jul-02	SILVER,Total ug/l	Total	3		K
CP-04		29-Jul-02	STRONTIUM,Total ug/l	Total	170		
CP-04		29-Jul-02	VANADIUM,Total ug/l	Total	5		K
CP-04		29-Jul-02	ZINC,Total ug/l	Total	100		K
CP-04		29-Jul-02	HARDNESS, CA,MG mg/l		298		C
CP-04		29-Jul-02	TEMPERATURE, AIR deg C		29		
CP-04		29-Jul-02	TEMPERATURE, WATER deg C		27.3		
CP-04		29-Jul-02	DISSOLVED OXYGEN (DO) mg/l		8.8		
CP-04		29-Jul-02	CONDUCTANCE, SPECIFIC umho/cm		663		
CP-04		29-Jul-02	PH		8.1		
CP-04		29-Jul-02	TURBIDITY NTU		11		
CP-04		29-Jul-02	TEMPERATURE, SAMPLE deg C		5		
CP-04		29-Jul-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		12.1		
CP-04		29-Jul-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed	Fixed	11.9		
CP-04		29-Jul-02	CHLOROPHYLL-B		1		K

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		29-Jul-02	CHLOROPHYLL-C		1		K
CP-04		29-Jul-02	PHEOPHYTIN-A		1		K
CP-04		29-Jul-02	DEPTH ft		1		
CP-04		29-Jul-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	250		
CP-04		16-Dec-02	SOLIDS, FIXED		273		
CP-04		16-Dec-02	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	245		
CP-04		16-Dec-02	FLUORIDES		0.34		
CP-04		16-Dec-02	CHLORIDE,Total mg/l	Total	98		
CP-04		16-Dec-02	SULFATE		79.3		
CP-04		16-Dec-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),Total mg/l	Total	0.17		
CP-04		16-Dec-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.01		K
CP-04		16-Dec-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.12		
CP-04		16-Dec-02	PHOSPHORUS AS P,Total mg/l	Total	0.31		
CP-04		16-Dec-02	CARBON, TOTAL ORGANIC mg/l		6.4		
CP-04		16-Dec-02	SOLIDS, FIXED,Total mg/l	Total	3		
CP-04		16-Dec-02	SOLIDS, FIXED,Volatile mg/l	Volatile	3		
CP-04		16-Dec-02	ARSENIC,Total	Total	1.6		
CP-04		16-Dec-02	LEAD,Dissolved ug/l	Dissolved	5		K
CP-04		16-Dec-02	LEAD,Total ug/l	Total	5		K
CP-04		16-Dec-02	MERCURY,Total	Total	0.01		K
CP-04		16-Dec-02	CALCIUM,Dissolved mg/l	Dissolved	71		
CP-04		16-Dec-02	MAGNESIUM,Dissolved mg/l	Dissolved	27		
CP-04		16-Dec-02	SODIUM,Dissolved mg/l	Dissolved	69		
CP-04		16-Dec-02	POTASSIUM,Dissolved mg/l	Dissolved	5.9		
CP-04		16-Dec-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-04		16-Dec-02	BARIUM,Dissolved ug/l	Dissolved	53		
CP-04		16-Dec-02	BORON,Dissolved ug/l	Dissolved	77		
CP-04		16-Dec-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-04		16-Dec-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
CP-04		16-Dec-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-04		16-Dec-02	COPPER,Dissolved ug/l	Dissolved	10		K
CP-04		16-Dec-02	COBALT,Dissolved ug/l	Dissolved	10		K
CP-04		16-Dec-02	IRON,Dissolved ug/l	Dissolved	50		K
CP-04		16-Dec-02	MANGANESE,Dissolved ug/l	Dissolved	200		
CP-04		16-Dec-02	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-04		16-Dec-02	SILVER,Dissolved ug/l	Dissolved	3		K
CP-04		16-Dec-02	STRONTIUM,Dissolved ug/l	Dissolved	140		
CP-04		16-Dec-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-04		16-Dec-02	ZINC,Dissolved ug/l	Dissolved	100		K
CP-04		16-Dec-02	CALCIUM,Total mg/l	Total	76		
CP-04		16-Dec-02	MAGNESIUM,Total mg/l	Total	29		
CP-04		16-Dec-02	SODIUM,Total mg/l	Total	73		
CP-04		16-Dec-02	POTASSIUM,Total mg/l	Total	6.2		
CP-04		16-Dec-02	ALUMINUM,Total ug/l	Total	100		K
CP-04		16-Dec-02	BARIUM,Total ug/l	Total	65		
CP-04		16-Dec-02	BORON,Total ug/l	Total	84		
CP-04		16-Dec-02	BERYLLIUM,Total ug/l	Total	1		K
CP-04		16-Dec-02	CADMIUM,Total ug/l	Total	3		K
CP-04		16-Dec-02	CHROMIUM,Total ug/l	Total	5		K
CP-04		16-Dec-02	COPPER,Total ug/l	Total	10		K
CP-04		16-Dec-02	COBALT,Total ug/l	Total	10		K
CP-04		16-Dec-02	IRON,Total ug/l	Total	550		
CP-04		16-Dec-02	MANGANESE,Total ug/l	Total	230		
CP-04		16-Dec-02	NICKEL,Total ug/l	Total	25		K
CP-04		16-Dec-02	SILVER,Total ug/l	Total	3		K
CP-04		16-Dec-02	STRONTIUM,Total ug/l	Total	150		
CP-04		16-Dec-02	VANADIUM,Total ug/l	Total	5		K
CP-04		16-Dec-02	ZINC,Total ug/l	Total	100		K
CP-04		16-Dec-02	HARDNESS, CA, MG mg/l		308		C
CP-04		16-Dec-02	TEMPERATURE, AIR deg C		4		
CP-04		16-Dec-02	TEMPERATURE, WATER deg C		2.3		
CP-04		16-Dec-02	DISSOLVED OXYGEN (DO) mg/l		14.3		
CP-04		16-Dec-02	CONDUCTANCE, SPECIFIC umho/cm		450		
CP-04		16-Dec-02	PH		8.2		
CP-04		16-Dec-02	TURBIDITY NTU		8		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		16-Dec-02	TEMPERATURE, SAMPLE deg C		6		
CP-04		16-Dec-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		7.41		
CP-04		16-Dec-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed	Fixed	7.22		
CP-04		16-Dec-02	CHLOROPHYLL-B		1		K
CP-04		16-Dec-02	CHLOROPHYLL-C		1.69		
CP-04		16-Dec-02	PHEOPHYTIN-A		1		K
CP-04		16-Dec-02	DEPTH ft		1		
CP-04		16-Dec-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	320		
CP-04		26-Jun-02	SOLIDS, FIXED		157		
CP-04		26-Jun-02	ALKALINITY, CARBONATE AS CaCO3,Total mg/l	Total	110		
CP-04		26-Jun-02	FLUORIDES		0.32		
CP-04		26-Jun-02	CHLORIDE,Total mg/l	Total	14.4		
CP-04		26-Jun-02	SULFATE		11.6		
CP-04		26-Jun-02	NITROGEN, NITRITE (NO2) + NITRATE (NO3),Total mg/l	Total	2.49		
CP-04		26-Jun-02	NITROGEN, AMMONIA (NH3),Total mg/l	Total	0.31		
CP-04		26-Jun-02	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.46		
CP-04		26-Jun-02	PHOSPHORUS AS P,Total mg/l	Total	0.85		
CP-04		26-Jun-02	CARBON, TOTAL ORGANIC mg/l		8.3		
CP-04		26-Jun-02	SOLIDS, FIXED,Total mg/l	Total	318		
CP-04		26-Jun-02	SOLIDS, FIXED,Volatile mg/l	Volatile	33		
CP-04		26-Jun-02	ARSENIC,Total	Total	2.6		
CP-04		26-Jun-02	LEAD,Dissolved ug/l	Dissolved	5		K
CP-04		26-Jun-02	LEAD,Total ug/l	Total	5.6		
CP-04		26-Jun-02	MERCURY,Total	Total	0.01		K
CP-04		26-Jun-02	CALCIUM,Dissolved mg/l	Dissolved	24		
CP-04		26-Jun-02	MAGNESIUM,Dissolved mg/l	Dissolved	6.7		
CP-04		26-Jun-02	SODIUM,Dissolved mg/l	Dissolved	8.9		
CP-04		26-Jun-02	POTASSIUM,Dissolved mg/l	Dissolved	8.5		
CP-04		26-Jun-02	ALUMINUM,Dissolved ug/l	Dissolved	100		K
CP-04		26-Jun-02	BARIUM,Dissolved ug/l	Dissolved	47		
CP-04		26-Jun-02	BORON,Dissolved ug/l	Dissolved	34		
CP-04		26-Jun-02	BERYLLIUM,Dissolved ug/l	Dissolved	1		K
CP-04		26-Jun-02	CADMIUM,Dissolved ug/l	Dissolved	3		K
CP-04		26-Jun-02	CHROMIUM,Dissolved ug/l	Dissolved	5		K
CP-04		26-Jun-02	COPPER,Dissolved ug/l	Dissolved	10		K
CP-04		26-Jun-02	COBALT,Dissolved ug/l	Dissolved	10		K
CP-04		26-Jun-02	IRON,Dissolved ug/l	Dissolved	69		
CP-04		26-Jun-02	MANGANESE,Dissolved ug/l	Dissolved	15		K
CP-04		26-Jun-02	NICKEL,Dissolved ug/l	Dissolved	25		K
CP-04		26-Jun-02	SILVER,Dissolved ug/l	Dissolved	3		K
CP-04		26-Jun-02	STRONTIUM,Dissolved ug/l	Dissolved	58		
CP-04		26-Jun-02	VANADIUM,Dissolved ug/l	Dissolved	5		K
CP-04		26-Jun-02	ZINC,Dissolved ug/l	Dissolved	100		K
CP-04		26-Jun-02	CALCIUM,Total mg/l	Total	28		
CP-04		26-Jun-02	MAGNESIUM,Total mg/l	Total	8		
CP-04		26-Jun-02	SODIUM,Total mg/l	Total	9.5		
CP-04		26-Jun-02	POTASSIUM,Total mg/l	Total	9.5		
CP-04		26-Jun-02	ALUMINUM,Total ug/l	Total	5000		
CP-04		26-Jun-02	BARIUM,Total ug/l	Total	110		
CP-04		26-Jun-02	BORON,Total ug/l	Total	31		
CP-04		26-Jun-02	BERYLLIUM,Total ug/l	Total	1		K
CP-04		26-Jun-02	CADMIUM,Total ug/l	Total	3		K
CP-04		26-Jun-02	CHROMIUM,Total ug/l	Total	5		K
CP-04		26-Jun-02	COPPER,Total ug/l	Total	10		K
CP-04		26-Jun-02	COBALT,Total ug/l	Total	10		K
CP-04		26-Jun-02	IRON,Total ug/l	Total	4600		
CP-04		26-Jun-02	MANGANESE,Total ug/l	Total	200		
CP-04		26-Jun-02	NICKEL,Total ug/l	Total	25		K
CP-04		26-Jun-02	SILVER,Total ug/l	Total	3		K
CP-04		26-Jun-02	STRONTIUM,Total ug/l	Total	68		
CP-04		26-Jun-02	VANADIUM,Total ug/l	Total	11		
CP-04		26-Jun-02	ZINC,Total ug/l	Total	100		K
CP-04		26-Jun-02	HARDNESS, CA,MG mg/l		101		C
CP-04		26-Jun-02	TEMPERATURE, AIR deg C		20		
CP-04		26-Jun-02	TEMPERATURE, WATER deg C		23.1		

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CP-04		26-Jun-02	DISSOLVED OXYGEN (DO) mg/l		6		
CP-04		26-Jun-02	CONDUCTANCE, SPECIFIC umho/cm		259		
CP-04		26-Jun-02	PH		7.4		
CP-04		26-Jun-02	TURBIDITY NTU		250		
CP-04		26-Jun-02	TEMPERATURE, SAMPLE deg C		6		
CP-04		26-Jun-02	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		16.2		
CP-04		26-Jun-02	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed	Fixed	12.4		
CP-04		26-Jun-02	CHLOROPHYLL-B		1		K
CP-04		26-Jun-02	CHLOROPHYLL-C		1		K
CP-04		26-Jun-02	PHEOPHYTIN-A		1		K
CP-04		26-Jun-02	DEPTH ft		1		
CP-04		26-Jun-02	CHLOROPHYLL (A+B+C),Filterable	Filterable	50		
CPD-01		16-May-07	Dissolved oxygen (DO)		4	mg/l	
CPD-01		16-May-07	pH		7.7		
CPD-01		16-May-07	Specific conductance		608	umho/cm	
CPD-01		16-May-07	Temperature, air		12	deg C	
CPD-01		16-May-07	Temperature, water		15.9	deg C	
CPD-01		16-May-07	Turbidity		12	NTU	
CPD-01		04-Jun-07	Dissolved oxygen (DO)		7.3	mg/l	
CPD-01		04-Jun-07	pH		7.4		
CPD-01		04-Jun-07	Specific conductance		677	umho/cm	
CPD-01		04-Jun-07	Temperature, air		21	deg C	
CPD-01		04-Jun-07	Temperature, water		22	deg C	
CPD-01		04-Jun-07	Turbidity		8.9	NTU	
CPD-01		05-Jul-07	Dissolved oxygen (DO)		5.7	mg/l	
CPD-01		05-Jul-07	pH		7.8		
CPD-01		05-Jul-07	Specific conductance		433	umho/cm	
CPD-01		05-Jul-07	Temperature, air		27	deg C	
CPD-01		05-Jul-07	Temperature, water		22.4	deg C	
CPD-01		05-Jul-07	Turbidity		13	NTU	
CPD-01		12-Jul-07	Dissolved oxygen (DO)		8.4	mg/l	
CPD-01		12-Jul-07	pH		7.9		
CPD-01		12-Jul-07	Specific conductance		502	umho/cm	
CPD-01		12-Jul-07	Temperature, air		26	deg C	
CPD-01		12-Jul-07	Temperature, water		25.5	deg C	
CPD-01		12-Jul-07	Turbidity		10	NTU	
CPD-01		22-Aug-07	Dissolved oxygen (DO)		1.8	mg/l	
CPD-01		22-Aug-07	pH		7.4		
CPD-01		22-Aug-07	Specific conductance		530	umho/cm	
CPD-01		22-Aug-07	Temperature, air		28	deg C	
CPD-01		22-Aug-07	Temperature, water		24.3	deg C	
CPD-01		22-Aug-07	Turbidity		7.7	NTU	
CPD-01		29-Aug-07	Dissolved oxygen (DO)		4.9	mg/l	
CPD-01		29-Aug-07	pH		7.5		
CPD-01		29-Aug-07	Specific conductance		527	umho/cm	
CPD-01		29-Aug-07	Temperature, air		29	deg C	
CPD-01		29-Aug-07	Temperature, water		25.7	deg C	
CPD-01		29-Aug-07	Turbidity		8.4	NTU	
CPD-01		03-Oct-07	Dissolved oxygen (DO)		3.2	mg/l	
CPD-01		03-Oct-07	pH		7.5		
CPD-01		03-Oct-07	Specific conductance		365	umho/cm	
CPD-01		03-Oct-07	Temperature, air		22	deg C	
CPD-01		03-Oct-07	Temperature, water		18.9	deg C	
CPD-01		03-Oct-07	Turbidity		14	NTU	
CPD-01	Second Salt Creek	16-May-07	Alkalinity, total		232	mg/l	
CPD-01	Second Salt Creek	16-May-07	Carbon, organic	Total	13.9	mg/l	
CPD-01	Second Salt Creek	16-May-07	Chloride	Total	48	mg/l	
CPD-01	Second Salt Creek	16-May-07	Cyanide	Total		mg/l	ND
CPD-01	Second Salt Creek	16-May-07	Fluorides	Total	0.3	mg/l	
CPD-01	Second Salt Creek	16-May-07	Nitrogen, ammonia as N	Total	0.52	mg/l	
CPD-01	Second Salt Creek	16-May-07	Nitrogen, Kjeldahl	Total	2.7	mg/l	
CPD-01	Second Salt Creek	16-May-07	Nitrogen, Nitrate (NO3) as N	Total	0.507	mg/l	
CPD-01	Second Salt Creek	16-May-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.507	mg/l	
CPD-01	Second Salt Creek	16-May-07	Phenols	Total		ug/l	ND
CPD-01	Second Salt Creek	16-May-07	Phosphorus as P	Dissolved	0.498	mg/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	Second Salt Creek	16-May-07	Phosphorus as P	Total	0.704	mg/l	
CPD-01	Second Salt Creek	16-May-07	Solids, suspended, volatile			mg/l	ND
CPD-01	Second Salt Creek	16-May-07	Solids, Total Suspended (TSS)		11	mg/l	
CPD-01	Second Salt Creek	16-May-07	Sulfate	Total	32	mg/l	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	16-May-07	Temperature, sample		5.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Alkalinity, total		246	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Carbon, organic	Total	10.7	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Chloride	Total	44	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Cyanide	Total		mg/l	ND
CPD-01	Second Salt Creek	04-Jun-07	Fluorides	Total	0.31	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Nitrogen, ammonia as N	Total	0.09	mg/l	J
CPD-01	Second Salt Creek	04-Jun-07	Nitrogen, Kjeldahl	Total	1.7	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Nitrogen, Nitrate (NO3) as N	Total	0.166	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.166	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Phenols	Total		ug/l	ND
CPD-01	Second Salt Creek	04-Jun-07	Phosphorus as P	Dissolved	0.318	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Phosphorus as P	Total	0.505	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Solids, suspended, volatile			mg/l	ND
CPD-01	Second Salt Creek	04-Jun-07	Solids, Total Suspended (TSS)		8	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Sulfate	Total	47	mg/l	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	Second Salt Creek	04-Jun-07	Temperature, sample		1.4	deg C	
CPD-01	SECOND SALT CREEK	03-Oct-07	Alkalinity, total		154	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Carbon, organic	Total	8.91	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Chloride	Total	11.7	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Cyanide	Weak Acid Diss		mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Fluorides	Total	0.328	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Nitrogen, ammonia as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Nitrogen, Kjeldahl	Total	0.816	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Nitrogen, Nitrate (NO3) as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Nitrogen, Nitrite (NO2) as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Phenols	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Phosphorus as P	Dissolved	0.468	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Phosphorus as P	Total	0.569	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Solids, suspended, volatile			mg/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Solids, Total Suspended (TSS)		9.33	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Sulfate	Total	9.12	mg/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Temperature, sample		1.4	deg C	
CPD-01	SECOND SALT CREEK	16-May-07	Aluminum	Dissolved	58	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Aluminum	Total	150	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Arsenic	Total	4	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Barium	Dissolved	75	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Barium	Total	95	ug/l	

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	16-May-07	Beryllium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Beryllium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Boron	Dissolved	38	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Boron	Total	38	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Cadmium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Cadmium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Calcium	Dissolved	63000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Calcium	Total	65000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Chromium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Cobalt	Dissolved	4.1	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Cobalt	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Copper	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Copper	Total	3.4	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Hardness, Ca + Mg	Total	260000	ug/l	C
CPD-01	SECOND SALT CREEK	16-May-07	Iron	Dissolved	110	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Iron	Total	840	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Lead	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Magnesium	Dissolved	21000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Magnesium	Total	23000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Manganese	Dissolved	820	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Manganese	Total	890	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Nickel	Dissolved	5.8	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Nickel	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Potassium	Dissolved	16000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Potassium	Total	16000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Silver	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Silver	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Sodium	Dissolved	29000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Sodium	Total	29000	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Strontium	Dissolved	160	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Strontium	Total	180	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Temperature, sample		2	deg C	
CPD-01	SECOND SALT CREEK	16-May-07	Temperature, sample		2	deg C	
CPD-01	SECOND SALT CREEK	16-May-07	Vanadium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Vanadium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Zinc	Dissolved	3.5	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Zinc	Total	3.6	ug/l	J
CPD-01	SECOND SALT CREEK	16-May-07	Chlorophyll a, corrected for pheophytin	Total	15.2	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Chlorophyll a, uncorrected for pheophytin	Total	16.3	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Chlorophyll-b	Total	2.77	ug/l	
CPD-01	SECOND SALT CREEK	16-May-07	Chlorophyll-c	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	16-May-07	Pheophytin-a	Total	1.18	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Aluminum	Dissolved	120	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Aluminum	Total	150	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Arsenic	Total	6.1	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Barium	Dissolved	78	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Barium	Total	93	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Beryllium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Beryllium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Boron	Dissolved	30	ug/l	J
CPD-01	SECOND SALT CREEK	04-Jun-07	Boron	Total	33	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Cadmium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Cadmium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Calcium	Dissolved	65000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Calcium	Total	68000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Chlorophyll a, corrected for pheophytin	Total	29.9	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Chlorophyll a, uncorrected for pheophytin	Total	30.9	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Chlorophyll-b	Total	6.43	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Chlorophyll-c	Total	1.29	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Chromium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Chromium	Total	7.1	ug/l	J3
CPD-01	SECOND SALT CREEK	04-Jun-07	Cobalt	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Cobalt	Total		ug/l	ND

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	04-Jun-07	Copper	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Copper	Total	5.4	ug/l	J
CPD-01	SECOND SALT CREEK	04-Jun-07	Hardness, Ca + Mg	Total	270000	ug/l	C
CPD-01	SECOND SALT CREEK	04-Jun-07	Iron	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Iron	Total	590	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Lead	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Lead	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Magnesium	Dissolved	22000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Magnesium	Total	24000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Manganese	Dissolved	1300	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Manganese	Total	1400	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Nickel	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Nickel	Total	5.6	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Pheophytin-a	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Potassium	Dissolved	13000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Potassium	Total	13000	ug/l	J7
CPD-01	SECOND SALT CREEK	04-Jun-07	Silver	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Silver	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Sodium	Dissolved	29000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Sodium	Total	27000	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Strontium	Dissolved	160	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Strontium	Total	180	ug/l	
CPD-01	SECOND SALT CREEK	04-Jun-07	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	04-Jun-07	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	04-Jun-07	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	04-Jun-07	Vanadium	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Vanadium	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	04-Jun-07	Zinc	Dissolved	3.7	ug/l	J
CPD-01	SECOND SALT CREEK	04-Jun-07	Zinc	Total	4.7	ug/l	J
CPD-01	SECOND SALT CREEK	05-Jul-07	BOD, carbonaceous	Total	1.6	mg/l	J3
CPD-01	SECOND SALT CREEK	05-Jul-07	Solids, suspended, volatile		5	mg/l	
CPD-01	SECOND SALT CREEK	05-Jul-07	Solids, Total Suspended (TSS)		17	mg/l	
CPD-01	SECOND SALT CREEK	05-Jul-07	Temperature, sample		5	deg C	
CPD-01	SECOND SALT CREEK	05-Jul-07	Chlorophyll a, corrected for pheophytin	Total	24.7	ug/l	Q
CPD-01	SECOND SALT CREEK	05-Jul-07	Chlorophyll a, uncorrected for pheophytin	Total	28.9	ug/l	Q
CPD-01	SECOND SALT CREEK	05-Jul-07	Chlorophyll-b	Total	3.28	ug/l	Q
CPD-01	SECOND SALT CREEK	05-Jul-07	Chlorophyll-c	Total	2.55	ug/l	Q
CPD-01	SECOND SALT CREEK	05-Jul-07	Pheophytin-a	Total	5.92	ug/l	Q
CPD-01	SECOND SALT CREEK	12-Jul-07	BOD, carbonaceous	Total	2.9	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Solids, suspended, volatile		4	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Solids, Total Suspended (TSS)		13	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Temperature, sample		5	deg C	
CPD-01	SECOND SALT CREEK	12-Jul-07	Chlorophyll a, corrected for pheophytin	Total	30.7	ug/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Chlorophyll a, uncorrected for pheophytin	Total	30.7	ug/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Chlorophyll-b	Total	3.96	ug/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Chlorophyll-c	Total	1.76	ug/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Pheophytin-a	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	22-Aug-07	BOD, carbonaceous	Total	16	mg/l	J4,J6
CPD-01	SECOND SALT CREEK	22-Aug-07	Solids, suspended, volatile		4	mg/l	
CPD-01	SECOND SALT CREEK	22-Aug-07	Solids, Total Suspended (TSS)		14	mg/l	
CPD-01	SECOND SALT CREEK	22-Aug-07	Chlorophyll a, corrected for pheophytin	Total	11.8	ug/l	Q
CPD-01	SECOND SALT CREEK	22-Aug-07	Chlorophyll a, uncorrected for pheophytin	Total	13.2	ug/l	Q
CPD-01	SECOND SALT CREEK	22-Aug-07	Chlorophyll-b	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	22-Aug-07	Chlorophyll-c	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	22-Aug-07	Pheophytin-a	Total	1.62	ug/l	Q
CPD-01	SECOND SALT CREEK	29-Aug-07	BOD, carbonaceous	Total	3.1	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Solids, suspended, volatile		4	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Solids, Total Suspended (TSS)		9	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Temperature, sample		5	deg C	
CPD-01	SECOND SALT CREEK	29-Aug-07	Chlorophyll a, corrected for pheophytin	Total	5.63	ug/l	Q
CPD-01	SECOND SALT CREEK	29-Aug-07	Chlorophyll a, uncorrected for pheophytin	Total	7.05	ug/l	Q
CPD-01	SECOND SALT CREEK	29-Aug-07	Chlorophyll-b	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	29-Aug-07	Chlorophyll-c	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	29-Aug-07	Pheophytin-a	Total	2.07	ug/l	Q
CPD-01	SECOND SALT CREEK	03-Oct-07	Chlorophyll a, corrected for pheophytin	Total	4.8	ug/l	Q

Segment	WaterbodyName	CollectionDate	Analyte	SampleFraction	Result	ResultUnits	Qualifier
CPD-01	SECOND SALT CREEK	03-Oct-07	Chlorophyll a, uncorrected for pheophytin	Total	6.06	ug/l	Q
CPD-01	SECOND SALT CREEK	03-Oct-07	Chlorophyll-b	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	03-Oct-07	Chlorophyll-c	Total		ug/l	ND,Q
CPD-01	SECOND SALT CREEK	03-Oct-07	Pheophytin-a	Total	1.81	ug/l	Q
CPD-01	SECOND SALT CREEK	05-Jul-07	Nitrogen, ammonia as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	05-Jul-07	Nitrogen, Kjeldahl	Total	1.8	mg/l	
CPD-01	SECOND SALT CREEK	05-Jul-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.45	mg/l	
CPD-01	SECOND SALT CREEK	05-Jul-07	Phosphorus as P	Total	0.739	mg/l	
CPD-01	SECOND SALT CREEK	05-Jul-07	Temperature, sample		2	deg C	
CPD-01	SECOND SALT CREEK	12-Jul-07	Nitrogen, ammonia as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	12-Jul-07	Nitrogen, Kjeldahl	Total	1.03	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.16	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Phosphorus as P	Total	0.538	mg/l	
CPD-01	SECOND SALT CREEK	12-Jul-07	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	22-Aug-07	Nitrogen, ammonia as N	Total	0.061	mg/l	J
CPD-01	SECOND SALT CREEK	22-Aug-07	Nitrogen, Kjeldahl	Total	0.611	mg/l	
CPD-01	SECOND SALT CREEK	22-Aug-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total		mg/l	ND
CPD-01	SECOND SALT CREEK	22-Aug-07	Phosphorus as P	Total	0.56	mg/l	
CPD-01	SECOND SALT CREEK	22-Aug-07	Temperature, sample		1	deg C	
CPD-01	SECOND SALT CREEK	29-Aug-07	Nitrogen, ammonia as N	Total	0.1	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Nitrogen, Kjeldahl	Total	0.916	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.068	mg/l	J
CPD-01	SECOND SALT CREEK	29-Aug-07	Phosphorus as P	Total	0.536	mg/l	
CPD-01	SECOND SALT CREEK	29-Aug-07	Temperature, sample		4	deg C	
CPD-01	SECOND SALT CREEK	03-Oct-07	Aluminum	Dissolved		ug/l	ND,X
CPD-01	SECOND SALT CREEK	03-Oct-07	Aluminum	Total	270	ug/l	X
CPD-01	SECOND SALT CREEK	03-Oct-07	Arsenic	Dissolved		ug/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Arsenic	Total		ug/l	ND
CPD-01	SECOND SALT CREEK	03-Oct-07	Barium	Dissolved	70.3	ug/l	X
CPD-01	SECOND SALT CREEK	03-Oct-07	Barium	Total	79.9	ug/l	X
CPD-01	SECOND SALT CREEK	03-Oct-07	Boron	Dissolved	32.5	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Boron	Total	29.7	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Cadmium	Dissolved	0.41	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Cadmium	Total	0.57	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Calcium	Dissolved	39800	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Calcium	Total	39300	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Chromium	Dissolved	0.29	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Chromium	Total	0.65	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Cobalt	Dissolved	0.22	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Cobalt	Total	0.84	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Copper	Dissolved	1.94	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Copper	Total	2.03	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Hardness, Ca + Mg	Total	149000	ug/l	C
CPD-01	SECOND SALT CREEK	03-Oct-07	Iron	Dissolved	30.1	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Iron	Total	672	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Lead	Dissolved	1.84	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Lead	Total	5.1	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Magnesium	Dissolved	12700	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Magnesium	Total	12500	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Manganese	Dissolved	860	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Manganese	Total	915	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Nickel	Dissolved	2.7	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Nickel	Total	2.82	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Potassium	Dissolved	12700	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Potassium	Total	12400	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Silver	Dissolved	1920	ug/l	X
CPD-01	SECOND SALT CREEK	03-Oct-07	Silver	Total	2530	ug/l	X
CPD-01	SECOND SALT CREEK	03-Oct-07	Sodium	Dissolved	8200	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Sodium	Total	8120	ug/l	
CPD-01	SECOND SALT CREEK	03-Oct-07	Strontium	Dissolved	114	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Strontium	Total	114	ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Zinc	Dissolved		ug/l	J
CPD-01	SECOND SALT CREEK	03-Oct-07	Zinc	Total	0.51	ug/l	J

