# Calcasieu River (Subsegment 030101), Louisiana, Draft TMDL for Fecal Coliform

Prepared for:

Louisiana Department of Environmental Quality, Water Quality Assessment Division,
Total Maximum Daily Load Program

Prepared by:

Tetra Tech, Inc.
10306 Eaton Place, Suite 340
Fairfax, VA 22030

August 2010

## CONTENTS

EXECUTIVE SUMMARY ..... 1
1. Introduction ..... 2
2. Study Area Description ..... 4
2.1 Calcasieu River Basin ..... 4
2.2 Water Quality Data ..... 6
2.3 Water Quality Standards and Criteria ..... 7
2.4 Flow ..... 7
2.5 Identification of Sources ..... 7
3. TMDL Load Calculations ..... 8
3.1 Load Duration Curve Approach ..... 8
3.2 TMDL ..... 11
3.3 Wasteload Allocation (WLA) ..... 11
3.4 Load Allocation (LA) ..... 12
3.5 Margin of Safety (MOS) ..... 12
3.6 Seasonal Variability and Critical Condition ..... 12
4. Monitoring Plan ..... 12
5. Public Participation ..... 13
6. References ..... 13
Appendix A. Fecal Coliform Bacteria Monitoring Data ..... 15
Appendix B. Load Duration Curve Plots ..... 16
Appendix C. Load Duration Curve Calculations ..... 18

## Tables

Table ES-1. Summary of fecal coliform bacteria TMDL for Calcasieu River ..... 1
Table 2-1. Subsegment 030101 land use (NLCD 2001) ..... 6
Table 2-2. USGS flow gage information ..... 7
Table 2-3. Summary of LPDES permits in subsegment 030101 ..... 8
Table 3-1. Summary of fecal coliform bacteria TMDL for Calcasieu River ..... 11
Table 3-2. WLA summary for subsegment 030101 ..... 11
Table A-1. Fecal coliform bacteria data ..... 15
Table A-2. Fecal coliform summary statistics for station 781 ..... 15
Table C-1. Summary of summer reductions ..... 18
Table C-2. Load duration curve summer statistics ..... 18
Table C-3. Flow duration curve summer values ..... 19
Table C-4. Summary of winter reductions ..... 134
Table C-5. Load duration curve winter statistics ..... 134
Table C-6. Flow duration curve winter values ..... 135

## Figures

Figure 1-1. Calcasieu River (subsegment 030101) location and monitoring ..... 3
Figure 2-1. Land use in Calcasieu River (subsegment 030101). ..... 5
Figure 2-2. Fecal coliform data at station 819. ..... 6
Figure 3-1. Summer flow duration curve for gage 08025500 ..... 10
Figure B-1. Summer flow duration curve for gage 08025500 ..... 16
Figure B-2. Summer load duration curve ..... 16
Figure B-3. Winter flow duration curve for gage 08025500 ..... 17
Figure B-4. Winter load duration curve. ..... 17

# EXECUTIVE SUMMARY

Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency's Water Quality Planning and Management Regulations (Title 40 of the *Code of Federal Regulations* Part 130) require states to identify waterbodies that are not meeting water quality standards and to develop total maximum daily loads (TMDLs) of pollutants for those waterbodies. A TMDL establishes the amount of a pollutant that a waterbody can assimilate without exceeding its water quality standard for that pollutant. TMDLs provide the scientific basis for a state to establish water quality-based controls to reduce pollution from both point and nonpoint sources in order to restore and maintain the quality of the state's water resources (USEPA 1991).

A TMDL for a given pollutant and waterbody is composed of the sum of individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources and natural background levels. In addition, the TMDL must include an implicit or explicit margin of safety (MOS) to account for the uncertainty in the relationship between pollutant loads and the quality of the receiving waterbody. The TMDL components are illustrated using the following equation:

$$TMDL = \sum WLAs + \sum LAs + MOS.$$

This fecal coliform TMDL has been developed for Calcasieu River, which is in the Calcasieu River Basin in southwestern Louisiana. This segment of the Calcasieu River is 6 miles, from the headwaters to LA-8. The Calcasieu River begins in the hills west of Alexandria, Louisiana, and flows south for 160 miles to the Gulf of Mexico. The mouth of the river is 30 miles east of the Texas-Louisiana border. The basin encompasses the hill region of Louisiana, the terrace region, and a section of the coastal marsh. The upper end of the basin consists of pine forested hills, while the lower end of the basin consists of brackish and salt marshes. Originally, much of the area was covered by tall prairie grasses, among which were scattered clumps of trees (LDEQ 2003).

The fecal coliform TMDL for Calcasieu River was calculated using a load duration curve approach. The load duration curve methodology illustrates allowable loading at a wide range of streamflow conditions. The steps for applying the methodology were (1) developing a flow duration curve; (2) converting the flow duration curve to load duration curves; (3) plotting observed loads with load duration curves; (4) calculating the TMDL, MOS, WLA, and LA; and (5) calculating percent reductions. Most fecal coliform bacteria TMDLs are developed on a seasonal basis (i.e., calculating allowable loads and percent reductions for both summer and winter) because of the seasonal water quality criteria.

The reductions for fecal coliform bacteria at the monitoring station on Calcasieu River are 90 percent during the winter months and 89 percent in the summer (Table ES-1).

**Table ES-1. Summary of fecal coliform bacteria TMDL for Calcasieu River**

| Season | TMDL (MPN/day) | WLA (MPN/day) | LA (MPN/day) | Explicit MOS (MPN/day) | Percent reduction |
|---|---|---|---|---|---|
| Winter | 4.25E+12 | 6.62E+08 | 3.40E+12 | 8.49E+11 | 90% |
| Summer | 2.96E+11 | 6.62E+08 | 2.36E+11 | 5.93E+10 | 89% |

Note: MPN = most probable number.

# 1. Introduction

Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency's (EPA's) Water Quality Planning and Management Regulations (Title 40 of the *Code of Federal Regulations* [CFR] Part 130) require states to develop total maximum daily loads (TMDLs) of pollutants for waterbodies that are not supporting their designated uses, even if pollutant sources have implemented technology-based controls. A TMDL establishes the maximum allowable load (mass per unit of time) of a pollutant that a waterbody is able to assimilate and still support its designated uses. The maximum allowable load is determined on the basis of the relationship between pollutant sources and in-stream water quality. A TMDL provides the scientific basis for a state to establish water quality-based controls to reduce pollution from both point and nonpoint sources in order to restore and maintain the quality of the state's water resources (USEPA 1991).

A TMDL for a given pollutant and waterbody is composed of the sum of individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources and natural background levels. In addition, the TMDL must include an implicit or explicit margin of safety (MOS) to account for the uncertainty in the relationship between pollutant loads and the quality of the receiving waterbody. The TMDL components are illustrated using the following equation:

$$TMDL = \sum WLAs + \sum LAs + MOS.$$

This fecal coliform TMDL has been developed for Calcasieu River, which is in the Calcasieu River Basin in southwestern Louisiana (Figure 1-1). This segment of the Calcasieu River is 6 miles, from the headwaters to LA-8.

Since 2000, Calcasieu River has been included on the state's 303(d) list as not supporting its designated use of fish and wildlife propagation because of organic enrichment and low dissolved oxygen suspected to be from natural sources (LDEQ 2001). The state's 2002 and 2004 303(d) lists show subsegment 030101 continuing to not support the fish and wildlife propagation designated use because of low dissolved oxygen and lead. The suspected source of the dissolved oxygen impairment is "Natural Conditions—Water Quality Standards Use Attainability Analyses Needed" (LDEQ 2003a and LDEQ 2005). The source of the lead impairment was unknown (LDEQ 2003a and LDEQ 2005). The state's *2006 Louisiana Water Quality Inventory: Integrated Report* (*Integrated Report*) continues to list dissolved oxygen as a source of impairment of for Calcasieu River (LDEQ 2007a). The draft 2008 *Integrated Report* also lists dissolved oxygen as a source of impairment but adds fecal coliform as a source of impairment of the primary contact recreation designated use (LDEQ 2008). The suspected source of impairment from fecal coliform is natural sources (LDEQ 2008). Fecal coliform data from 2007 and 2008 support the current use impairment listing for primary contact recreation for Calcasieu River and show violations of the secondary contact recreation criterion for subsegment 030101.

The fecal coliform TMDL for Calcasieu River was calculated using a load duration curve approach. The load duration curve methodology illustrates allowable loading at a wide range of streamflow conditions. The steps for applying the methodology were (1) developing a flow duration curve; (2) converting the flow duration curve to load duration curves; (3) plotting observed loads with load duration curves; (4) calculating the TMDL, MOS, WLA, and LA; and (5) calculating percent reductions. Most fecal coliform TMDLs are developed on a seasonal basis (i.e., calculating allowable loads and percent reductions for both summer and winter) because of the state's seasonal water quality criteria.

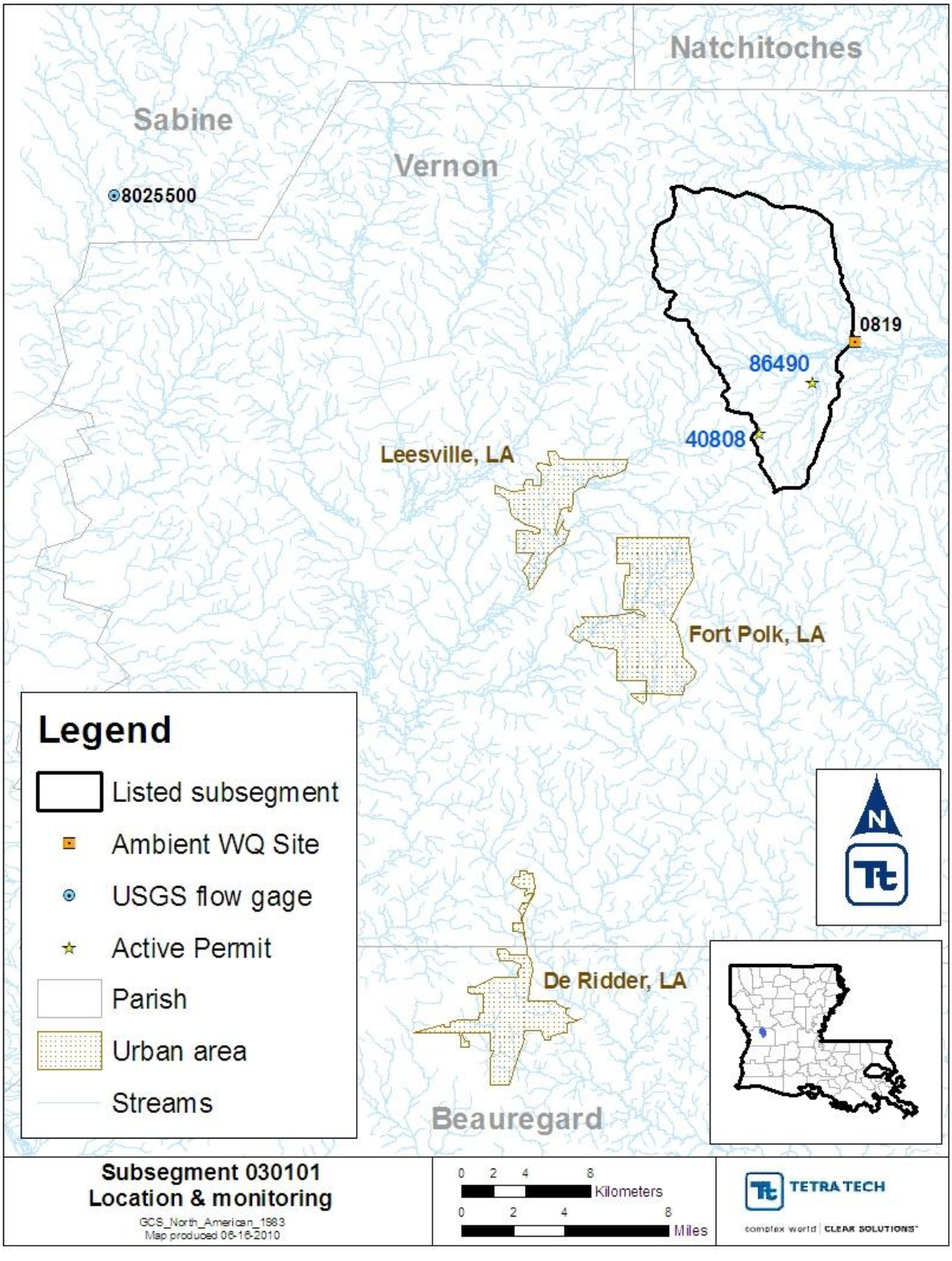


**Figure 1-1. Calcasieu River (subsegment 030101) location and monitoring.**

# 2. Study Area Description

## 2.1 Calcasieu River Basin

This fecal coliform TMDL has been developed for Calcasieu River, which is in the Calcasieu River Basin in southwestern Louisiana. This segment of the Calcasieu River is 6 miles, from the headwaters to LA-8. The Calcasieu River begins in the hills west of Alexandria, Louisiana, and flows south for 160 miles to the Gulf of Mexico. The mouth of the river is 30 miles east of the Texas-Louisiana border. The basin encompasses the hill region of Louisiana, the terrace region, and a section of the coastal marsh. The upper end of the basin consists of pine forested hills, while the lower end of the basin consists of brackish and salt marshes. The nearly north-south-oriented drainage basin includes portions of nine parishes—Cameron, Vermilion, Calcasieu, Jefferson Davis, Beauregard, Allen, Vernon, Rapides, and Natchitoches—and it consists of 39 subsegments (LDEQ 2003b).

Originally, much of the area was covered by tall prairie grasses, among which were scattered clumps of trees. The hill region includes the longleaf pine forests, maximum elevations and relief, dendritic and trellis drainage, interior salt domes, wolds or cuestas (hard sedimentary rock), ironstone, excellent surface water and groundwater resources, mature soils, and the oldest rocks in the state. The soil types consist of coastal plain soils and flatwoods soils. Vegetation includes longleaf pine forests (longleaf pines, slash pines, some hardwoods) and bottomland hardwoods (cottonwood, sycamore, willow, water oaks, gum, maple, loblolly pine) (LDEQ 2003b).

The terrace region includes intermediate elevations and relief, older alluvium, and a large percentage of tabular surfaces. The terraces range from flatwoods to prairies. The flatwoods are characterized by low relief, mixed longleaf forests, bagols, pimple mounds, dendritic drainage, and flatwoods soils. Vegetation includes flatwoods (longleaf pine, oak, palmetto, wiregrass), cypress forests (cypress, tupelo), and bottomland hardwoods. The prairies are characterized by low relief, prairie grassland, prairie soils, pimple mounds, dendritic streams, ice-age channels, and platin or marais (small, shallow undrained ponds in the prairies). Vegetative cover consists of prairie vegetation (bluestem, broomsedge), cypress forests, and bottomland hardwoods (LDEQ 2003b).

The draft 2008 *Integrated Report* includes the primary contact recreation designated use not being supported because of fecal coliform for this subsegment. The suspected source of impairment is natural sources (LDEQ 2008).

Land use data from the 2001 National Land Cover Database (NLCD) were used in Table 2-1 and Figure 2-1. NLCD 2001 is a land-cover database composed of land cover, impervious surface, and canopy density data. NLCD 2001 uses improved classification algorithms, which result in data with more precise rendering of spatial boundaries between the 16 classes than those obtained using NLCD 1992 (USEPA 2007).

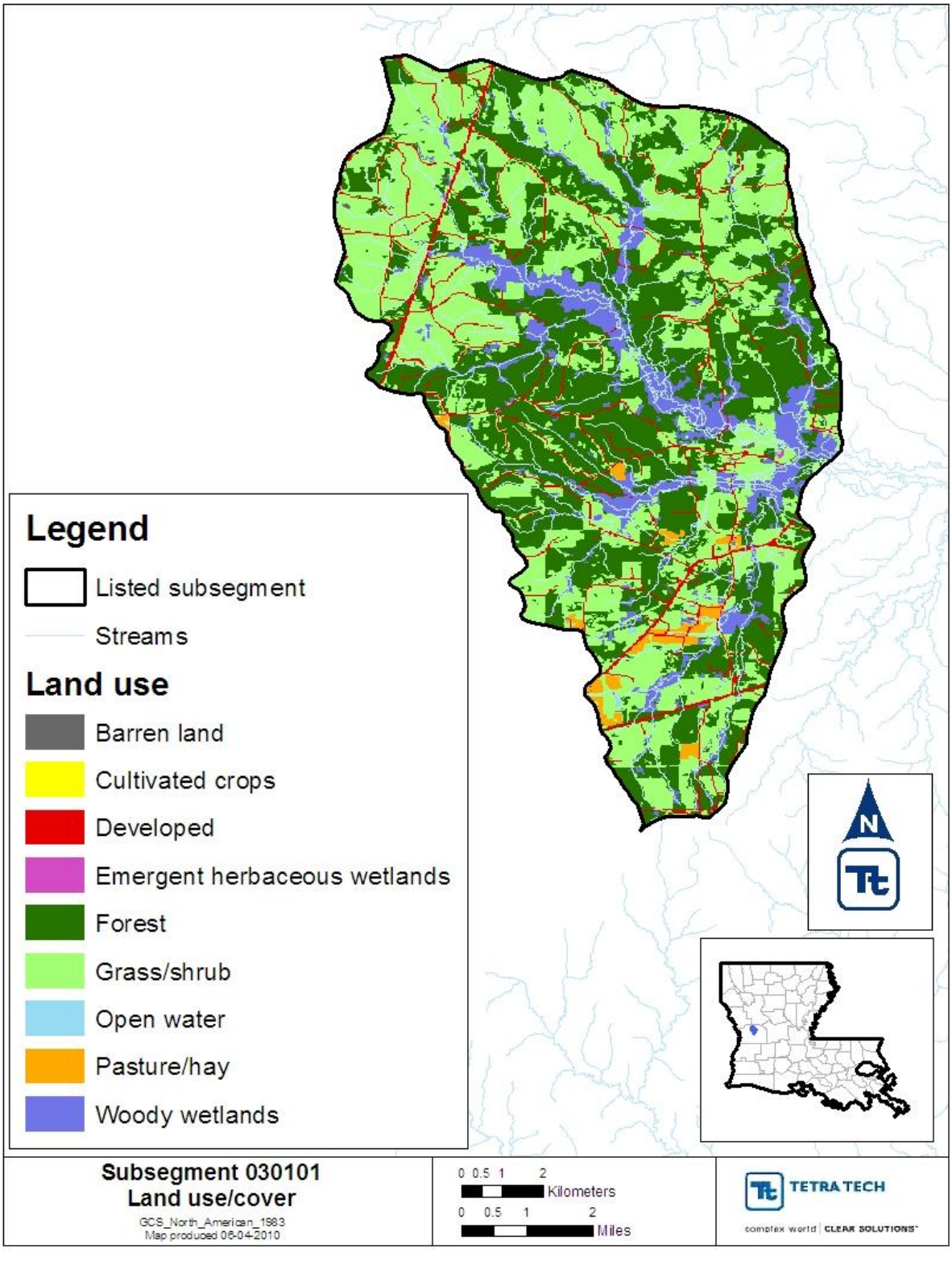


**Figure 2-1. Land use in Calcasieu River (subsegment 030101).**

**Table 2-1. Subsegment 030101 land use (NLCD 2001)**

| Land use | Percent |
|---|---|
| Open water | 0.07% |
| Developed | 5.25% |
| Barren land | 0.12% |
| Forest | 41.57% |
| Grass/shrub | 41.42% |
| Pasture/hay | 1.27% |
| Cultivated crops | 0% |
| Woody wetlands | 10.26% |
| Emergent herbaceous wetlands | 0.04% |

## 2.2 Water Quality Data

One water quality station is on subsegment 030101 with fecal coliform data. Station 819 (Calcasieu River northeast of Slagle, Louisiana) had 11 fecal coliform observations collected in 2007 and 2008. Five of the samples exceeded water quality criteria for fecal coliform. Samples taken on October 23, 2007, May 21, 2008, and August 20, 2008, exceed the water quality criterion for primary contact recreation. Samples taken November 26, 2007, and April 23, 2008, exceed the water quality criterion for secondary contact recreation. Several data collected from 2004 also exceed the water quality criterion for primary contact recreation. However, only observed data from during 2005 and after were used in this TMDL. Of the water quality samples collected after 2004, 27.3 percent exceeded the water quality criterion for primary contact recreation and 18.2 percent exceeded the water quality criterion for secondary contact recreation on subsegment 030101. Appendix A contains the raw water quality data.

The fecal coliform data were plotted over time for subsegment 030101 (Figure 2-2). The exceedances occurred during April, May, June, August, October, and November. No distinct seasonal trends or patterns are seen in the water quality data; however, the highest concentrations were observed in the winter months.

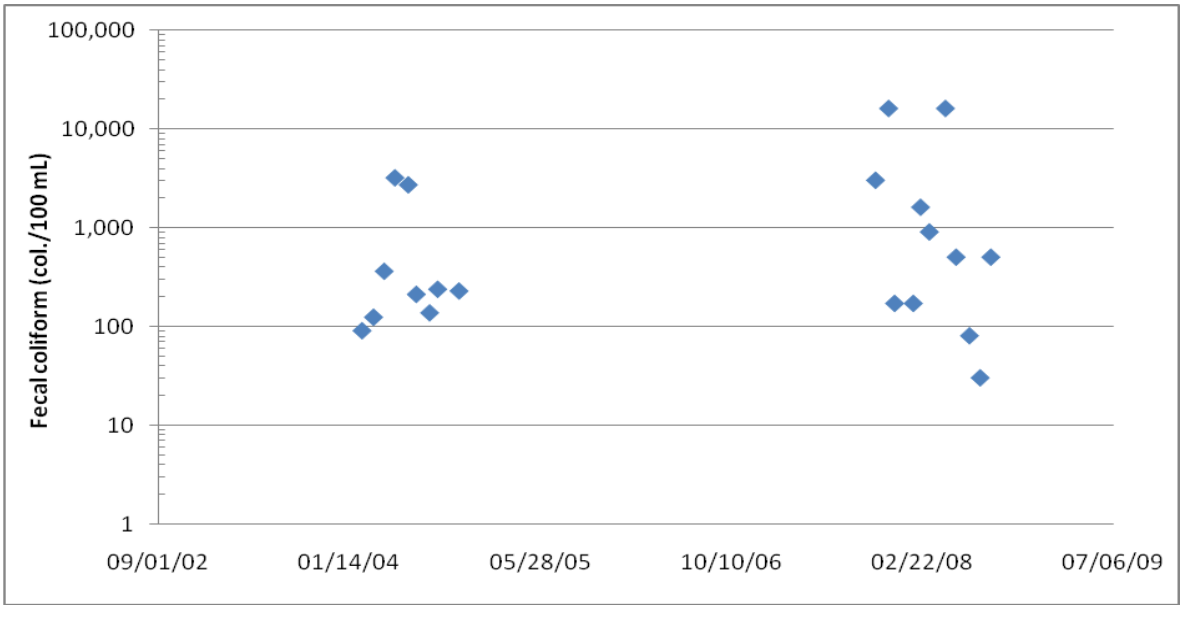


**Figure 2-2. Fecal coliform data at station 819.**

## 2.3 Water Quality Standards and Criteria

The designated uses for subsegment 030101 include primary contact recreation, secondary contact recreation, propagation of fish and wildlife, and agriculture. Primary contact recreation includes any recreational or other water contact activity involving prolonged or regular full-body contact with the water and in which the probability of ingesting appreciable amounts of water is considerable. Examples of that type of water use include swimming, water skiing, and diving (LDEQ 2007b). Secondary contact recreation includes any recreational or other water contact activity in which prolonged or regular full-body contact with the water is either incidental or accidental, and the probability of ingesting appreciable amounts of water is minimal. Examples of that type of water use include fishing, wading, and boating (LDEQ 2007b). The criteria for protection of aquatic life are based on acute and chronic concentrations in fresh and marine waters and are developed primarily for attainment of the fish and wildlife propagation use.

Numeric criteria were used in conjunction with the assessment methodology presented in the Louisiana Department of Environmental Quality's (LDEQ's) 305(b) report (LDEQ 2005) to list impaired subsegments. The LDEQ assessment methodology specifies that for primary contact recreation no more than 25 percent of the total samples collected on a monthly or near-monthly basis may exceed a fecal coliform density of 400/100 milliliters (mL). The primary contact recreation criterion applies only during the defined recreational period of May 1 through October 31. During the nonrecreational period of November 1 through April 30, the criterion for secondary contact recreation applies. For secondary contact recreation, no more than 25 percent of the total samples collected on a monthly or near-monthly basis may exceed a fecal coliform density of 2,000/100 mL. The secondary contact recreation criterion applies year-round (LDEQ 2007b).

The Louisiana water quality standards also include an antidegradation policy (*Louisiana Administrative Code* Title 33, Part IX, Section 1109.A), which states that state waters exhibiting high water quality should be maintained at that high level of water quality. If that is not possible, water quality of a level that supports the designated uses of the waterbody should be maintained. The designated uses of a waterbody may be changed to allow a lower level of water quality only through a use attainability study. LDEQ has developed this TMDL to be consistent with the state's antidegradation policy (LDEQ 2000).

## 2.4 Flow

No active USGS flow-monitoring gages are in the watershed. One active USGS flow-monitoring gage (08025500) is on a nearby subsegment. Information for the gage is summarized in Table 2-2.

**Table 2-2. USGS flow gage information**

| Station number | Station name | Drainage area ($mi^2$) | Minimum date | Maximum date | Minimum flow (cfs) | Average flow (cfs) | Maximum flow (cfs) |
|---|---|---|---|---|---|---|---|
| 08025500 | Bayou Toro near Toro, LA | 148 | 10/01/1955 | 04/27/2010 | 0.1 | 160.75 | 21,600 |

## 2.5 Identification of Sources

Louisiana's draft 2008 *Integrated Report* identifies natural sources as the suspected nonpoint source of the fecal coliform bacteria impairment in Calcasieu River, subsegment 030101 (LDEQ 2008).

Overflows in sanitary sewer lines or major upsets at wastewater treatment plants can be related to poor maintenance in collection system interceptor lines (infiltration and inflow or line clogging),

equipment failures at lift stations, or to inadequate pretreatment programs (LDEQ 2005). Municipal point sources include pollution introduced from end-of-pipe discharges from publicly owned treatment works.

Information on point source dischargers in the subsegment was obtained from LDEQ files. According to the LDEQ discharger database, two active permitted facilities are discharging to Calcasieu River (Table 2-3).

**Table 2-3. Summary of LPDES permits in subsegment 030101**

| AI # | Permit # | Outfall | Facility name | Exp. date | Facility type | Outfall type | Receiving waterbody |
|---|---|---|---|---|---|---|---|
| 40808 | LAG530087 | 1 | Blansett Apts | 12/1/2012 | General Agency Interest | treated sanitary wastewater | Unnamed ditch to Parmer Creek to Calcasieu River |
| 86490 | LAG750352 | 1 | Chad's Cowboy Car Clinic | 3/15/2014 | Automotive Repair, Services, And Parking | vehicle and equipment washwater | Local drainage to Parmer Creek to Calcasieu River |
| | | 2 | Chad's Cowboy Car Clinic | | | treated sanitary wastewater | Local drainage to Parmer Creek to Calcasieu River |
| | | 3 | Chad's Cowboy Car Clinic | | | treated sanitary wastewater | Local drainage to Parmer Creek to Calcasieu River |
| | | 4 | Chad's Cowboy Car Clinic | | | vehicle wash and sanitary wastewater | Local drainage to Parmer Creek to Calcasieu River |
| | | 5 | Chad's Cowboy Car Clinic | | | wastewaters from portable washing operations | Local drainage to Parmer Creek to Calcasieu River |

# 3. TMDL Load Calculations

A TMDL is the total amount of a pollutant that can be assimilated by the receiving waterbody while still achieving water quality standards. In developing a TMDL, allowable loadings from all pollutant sources that cumulatively amount to no more than the TMDL must be established, thereby providing the basis for establishing water quality-based controls.

A TMDL for a given pollutant and waterbody is composed of the sum of individual WLAs for point sources and LAs for nonpoint sources and natural background levels. In addition, the TMDL must include an implicit or explicit MOS to account for the uncertainty in the relationship between pollutant loads and the quality of the receiving waterbody. The TMDL components are illustrated using the following equation:

$$TMDL = \sum WLAs + \sum LAs + MOS.$$

TMDLs are typically expressed as a mass loading basis (e.g., pounds per day).

Both section 303(d) of the Clean Water Act and the regulations at 40 CFR 130.7 require that TMDLs include an MOS to account for uncertainty in available data or in the actual effect that controls will have on the loading reductions and receiving water quality. The MOS may be expressed explicitly as unallocated assimilative capacity or implicitly using conservative assumptions in establishing the TMDL. For a more detailed discussion of the MOS, see Section 3.4.

## 3.1 Load Duration Curve Approach

The methodology used to determine the TMDL for subsegment 030101 is the load duration curve. This TMDL represents a continuum of desired loads over all flow conditions, rather than a fixed, single value, because loading capacity varies as a function of the flow present in the stream. The basic elements of this procedure are documented on the Kansas Department of Health and Environment Web site (KDHE 2003). That method was used to illustrate allowable loading for a

wide range of flows. The steps for how the methodology was applied for the TMDL in this report are summarized as follows:

1. Develop a flow duration curve.
2. Convert the flow duration curve to load duration curves for each impairment.
3. Plot observed loads with load duration curves.
4. Calculate TMDL, WLA, LA, and MOS.
5. Calculate percent reductions required to meet water quality standards.

### *Flow Duration Curve*

A flow duration curve was developed for subsegment 030101. Detailed flow information for subsegment 030101 was not available. To determine flow, data from the active USGS gage Bayou Toro near Toro, LA (08025500), with a drainage area of 148 square miles, was chosen to represent flow and only the flows from 1980 and later were used. Flow from that gage was area weighted to represent the flow from the TMDL subsegment. As a comparison, subsegment 030101 is 50 square miles.

Daily streamflow measurements were sorted in increasing order, and the percentile ranking of each flow was calculated. The daily streamflow measurements were separated into summer (May through October) and winter (November through April) data sets to accommodate the state's seasonal fecal coliform bacteria criteria. The load duration methodology requires that the same flow period be used for both developing the flow duration and calculating observed loads from sampling data. For each season, the flows were then plotted against the corresponding percent flow that exceeds a specific flow to create the flow duration curves.

Figure 3-1 is the flow duration curve for the summer months (May–October). The plot shows the flow (in cubic feet per second) on the Y-axis. The X-axis shows the percentage of days on which the plotted flow is exceeded. Points at the lower end of the plot (0 through 10 percent) represent high-flow conditions where only 0 through 10 percent of the flow exceeds the plotted point. Conversely, points on the high end of the plot (90 to 100 percent) represent low-flow conditions.

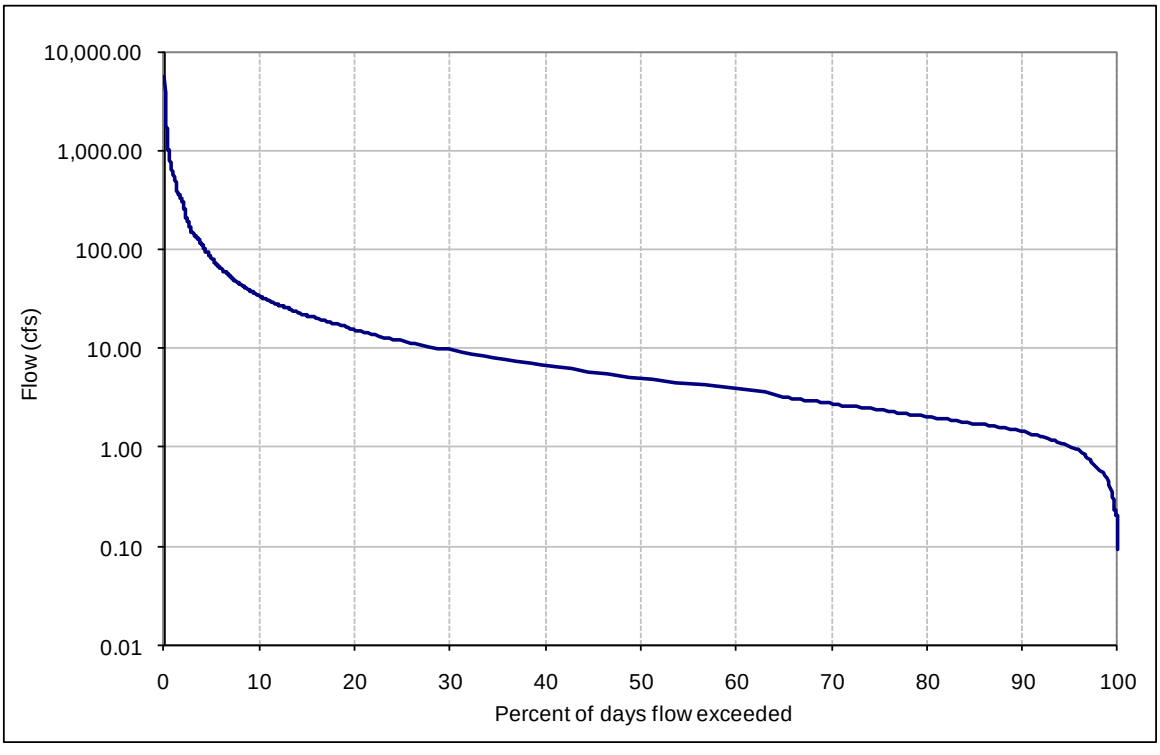


**Figure 3-1. Summer flow duration curve for gage 08025500.**

### *Load Duration Curve*

The flows from the flow duration curves were multiplied by the appropriate target concentration (Section 2.3) for each season to compute an allowable load duration curve. Each load duration curve is a plot of organism count per day versus the percent flow exceedance from the flow duration curves.

The load duration curve is beneficial when analyzing monitoring data with their corresponding flow information plotted as a load. That approach allows the monitoring data to be placed in relation to their place in the flow continuum. Assumptions of the probable source or sources of the impairment can then be made from the plotted data. The load duration curve shows the calculation of the TMDL at any flow rather than at a single critical flow. The official TMDL number is reported as a single number, but the curve is provided to demonstrate the value of the acceptable load at any flow. That allows for analysis of load cases in the future for different flow regimes.

### *Observed Loads*

For each sampling station and season, observed loads were calculated by multiplying the observed concentration of fecal coliform bacteria by the flow on the sampling day. The observed loads were then plotted versus the percent flow exceedance of the flow on the sampling day and placed on the same plot as the load duration curve. Reductions were applied to the observed loads for each parameter until its water quality criteria and allowable percent exceedance were met to obtain an overall percent reduction for each subsegment. Those plots are shown in Appendix B of this report. The data calculations are shown in Appendix C.

The plots provide visual comparisons between observed and allowable loads under different flow conditions. Observed loads that are plotted above the load duration curve represent conditions where observed water quality concentrations exceed the target concentrations. Observed loads that are

plotted below the load duration curve represent conditions where observed water quality concentrations were less than target concentrations (i.e., not exceeding water quality standards).

## 3.2 TMDL

Table 3-1 presents the TMDLs and allocations for the subsegment 030101. Only observed data during 2005 and after were used in this TMDL. The reductions for fecal coliform bacteria at the monitoring station on Calcasieu River are 90 percent during the winter and 89 percent in summer months. WLAs are discussed in Section 3.3; LAs, in Section 3.4; and MOSs, in Section 3.5.

**Table 3-1. Summary of fecal coliform bacteria TMDL for Calcasieu River**

| Season | TMDL (MPN/day) | WLA (MPN/day) | LA (MPN/day) | Explicit MOS (MPN/day) | Percent reduction |
|---|---|---|---|---|---|
| Winter | 4.25E+12 | 6.62E+08 | 3.40E+12 | 8.49E+11 | 90% |
| Summer | 2.96E+11 | 6.62E+08 | 2.36E+11 | 5.93E+10 | 89% |

Note: MPN = most probable number.

## 3.3 Wasteload Allocation (WLA)

The WLA portion of the TMDL equation is the total loading of a pollutant that is assigned to point sources. The point sources in subsegment 030101 include sanitary and industrial wastewater, and industrial stormwater. Table 3-2 lists the individual fecal coliform WLAs for the point source facilities identified in Section 2.5.

WLAs for fecal coliform bacteria were calculated using monthly average permit limits, when applicable. If a permit does not have a monthly average permit limit, the weekly average permit limit was used. The preferred facility flow was the facility design or expected flow. If neither were available, the average (expected or observed) flows were used to calculate the WLAs. The permit maximum flow was used if the permitted or average flow was not unavailable. The permit maximum flow was usually the maximum flow covered by the specific type of general permit. For example, the Louisiana Pollution Discharge Elimination System Class II Sanitary General Permit covers facilities with flow up to 25,000 gallons per day. The permit maximum flow sometimes was significantly greater than the expected flow, and, therefore, the permit maximum was used only when other flows were not available.

The equation for WLA calculation is as follows:

$$\textit{flow (gallon/day)} \times \textit{concentration (MPN/100 mL)} \times 3{,}785.412 \textit{ mL/gallon} = \textit{load (MPN/day).}$$

**Table 3-2. WLA summary for subsegment 030101**

| AI # | Permit # | Outfall | Facility name | Outfall type | Flow type | Flow (GPD) | FCB limit type | Limit (MPN/100 mL) | Load (MPN/d) |
|---|---|---|---|---|---|---|---|---|---|
| 40808 | LAG530087 | 001 | Blansett Apts | treated sanitary wastewater | calculated | 1,250 | weekly ave. | 400 | 1.87E+07 |
| 86490 | LAG750352 | 001 | Chad's Cowboy Car Clinic | vehicle and equipment washwater | not avail. | | none | | 0.00E+00 |
| | | 002 | | treated sanitary wastewater | permit max | 5,000 | weekly ave. | 400 | 7.57E+07 |
| | | 003 | | treated sanitary wastewater | permit max | 25,000 | monthly ave. | 200 | 1.89E+08 |
| | | 004 | | vehicle wash and sanitary wastewater | permit max | 25,000 | daily max. | 400 | 3.79E+08 |
| | | 005 | | wastewaters from portable washing operations | not avail. | | none | | 0.00E+00 |

Note: MPN = most probable number.

LPDES permitted discharges without fecal coliform effluent limitations have been determined to not be sources of fecal coliform. For these dischargers, LDEQ is not providing allocations or permit limits. If at some point in the future, LDEQ determines that any of the discharges may contain fecal coliform, wasteload allocations may be provided along with the appropriate permit conditions.

### 3.4 Load Allocation (LA)

The LA is the portion of the TMDL assigned to natural background loadings as well as nonpoint sources such as septic tank leakage, wildlife, and agricultural practices. The LA was calculated for this TMDL by subtracting the WLA and MOS from the total TMDL. LAs were not allocated to separate nonpoint sources because of the lack of available source characterization data. The LA is shown in Table 3-1.

### 3.5 Margin of Safety (MOS)

The Clean Water Act requires that TMDLs take into consideration a margin of safety. The MOS is the portion of the pollutant loading reserved to account for any uncertainty in the data. There are two ways to incorporate the MOS. One way is to implicitly incorporate it by using conservative model assumptions to develop allocations. The other way is to explicitly specify a portion of the TMDL as the MOS and use the remainder for allocations (USEPA 1991). For this TMDL an explicit MOS of 20 percent was used. The MOS is presented in Table 3-1.

### 3.6 Seasonal Variability and Critical Condition

The federal regulations at 40 CFR 130.7 require that TMDLs include seasonal variations and take into account critical conditions for streamflow, loading, and water quality parameters. For this TMDL, fecal coliform bacteria loadings for subsegments with primary contact recreation and secondary contact recreation as the designated use were determined for winter and summer on the basis of seasonal water quality criteria, thus accounting for seasonality. In addition, the sampling results for all pollutants were plotted over time and reviewed for any seasonal patterns (see Section 2.2). The TMDL was developed over a several-year period, therefore, accounting for seasonal variations.

The water quality criteria for fecal coliform bacteria include values that must not be exceeded more than 25 percent of the time (primary and secondary contact recreation) on the basis of the data sampled throughout the year, including during critical and noncritical conditions.

## 4. Monitoring Plan

LDEQ uses funds provided under section 106 of the Clean Water Act and under the authority of the Louisiana Environmental Quality Act to run a program for monitoring the quality of the state's surface waters. The LDEQ Surveillance Section collects surface water samples at various locations using appropriate sampling methods and procedures to ensure the quality of the data collected. The objectives of the surface water monitoring program are to determine the quality of the state's surface waters, develop a long-term database for water quality trend analysis, and monitor the effectiveness of pollution controls. The data obtained through the surface water monitoring program are used to develop the state's biennial section 305(b) report (*Water Quality Inventory*) and the section 303(d) list of impaired waters. This information is also used to establish priorities for its nonpoint source program.

LDEQ has implemented a watershed approach to surface water quality monitoring. Through this approach, the entire state is sampled on a 4-year cycle. Long-term trend monitoring sites at various locations on the larger rivers and Lake Pontchartrain are sampled throughout the 4-year cycle.

Sampling is conducted monthly to yield approximately 12 samples per site during each year the site is monitored. Sampling sites are where they are considered representative of the waterbody. Within each basin, all monitored subsegments will be sampled over the year or years specified under each cycle period. Subsegment 030101 of Calcasieu River would have been monitored with the Calcasieu River Basin in 2004, 2005, 2008, and 2009. Fecal coliform data appears to have been collected in 2004, 2007, and 2008. Water quality assessments for the 305(b)/303(d) *Integrated Report* will be conducted for each basin following the last year of its monitoring period. Usually 125 water body subsegments are monitored each month under this program. Under the current monitoring schedule, approximately one-half of the state's waters are newly assessed for section 305(b) and section 303(d) listing purposes for each biennial cycle, with sampling occurring statewide each year. The 4-year cycle follows an initial 5-year rotation that covered all basins in the state according to the TMDL priorities. Monitoring allows LDEQ to determine whether any improvement has occurred in water quality after the TMDLs have been implemented. When LDEQ evaluates monitoring results at the end of each year, it may add waterbodies to or remove them from the section 303(d) list of impaired waterbodies.

# 5. Public Participation

Federal regulations require LDEQ to notify the public and seek comments concerning the TMDLs it prepares. This TMDL was developed under contract to LDEQ, and LDEQ will hold a public review period seeking comments, information, and data from the public and any other interested party. The notice for the public review period will be published in local and state newspapers and on LDEQ's electronic notification system. The TMDL report will be available on LDEQ's TMDL Web site at www.deq.louisiana.gov/portal/default.aspx?tabid=1563. The public review period will last for 30 days. LDEQ will review all comments received, and this TMDL might be revised to reflect comments if appropriate.

# 6. References

KDHE (Kansas Department of Health and Environment). 2003. *Kansas TMDL Curve Methodology*. Kansas Department of Health and Environment, Topeka, KS. <www.kdhe.state.ks.us/tmdl/Data.htm>. Accessed April 21, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2000. *Environmental Regulatory Code,* Part IX. Water Quality Regulations. LAC33:IX.1109.A

LDEQ (Louisiana Department of Environmental Quality). 2001. *2000 Louisiana Water Quality Inventory: Integrated Report*. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/tabid/2201/Default.aspx>. Accessed June 2, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2003a. *2002 Louisiana Water Quality Inventory: Integrated Report*. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/tabid/2201/Default.aspx>. Accessed June 13, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2003b. *1999 Land Use Classification Boeuf River/Bayou LaFourche Basin.* Nonpoint Source Program.

LDEQ (Louisiana Department of Environmental Quality). 2005. *2004 Louisiana Water Quality Inventory: Integrated Report*. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/tabid/2201/Default.aspx>. Accessed June 13, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2007a. *2006 Louisiana Water Quality Inventory: Integrated Report*. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/tabid/2201/Default.aspx>. Accessed June 2, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2007b. *Environmental Regulatory Code*. Part IX, Water Quality Regulations. Chapter 11. Surface Water Quality Standards. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/Portals/0/planning/regs/title33/33v09.pdf>. Accessed April 20, 2010.

LDEQ (Louisiana Department of Environmental Quality). 2008. *2008 Draft Final Louisiana Water Quality Inventory: Integrated Report*. Louisiana Department of Environmental Quality, Baton Rouge, LA. <http://www.deq.louisiana.gov/portal/LinkClick.aspx?fileticket=I4PibcgdTUA%3d&tabid=2986>. Accessed April 14, 2010.

USEPA (U.S. Environmental Protection Agency). 1991. *Guidance for Water Quality-Based Decisions: The TMDL Process*. EPA 440/-4-91-001. U.S. Environmental Protection Agency, Office of Water, Washington, DC.

USEPA (U.S. Environmental Protection Agency). 2007. *Multi-Resolution Land Characteristics Consortium (MRLC), 2001 National Land Cover Data (NLCD 2001).* <http://www.epa.gov/mrlc/nlcd-2001.html>. Accessed May 3, 2010.

# Appendix A. Fecal Coliform Bacteria Monitoring Data

**Table A-1. Fecal coliform bacteria data**

| Site | Site number | Collection date[a] | Result (MPN/100 mL) | Designated use exceeded |
|---|---|---|---|---|
| Calcasieu River northeast of Slagle, Louisiana | 819 | 1/6/99 | 170 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 2/3/99 | 170 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 4/7/99 | 900 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 5/5/99 | 23 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 6/2/99 | 300 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 7/7/99 | 240 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 8/4/99 | 8 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 9/8/99 | 300 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 10/6/99 | 70 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 11/3/99 | 11 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 11/30/99 | 500 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 2/16/04 | 90 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 3/17/04 | 123.3 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 4/14/04 | 360 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 5/12/04 | 3,180 | PCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 6/16/04 | 2,700 | PCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 7/7/04 | 210 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 8/11/04 | 136.36 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 9/1/04 | 236.36 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 10/27/04 | 227.27 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 10/23/07 | 3,000 | PCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 11/26/07 | 16,000 | SCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 12/12/07 | 170 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 1/30/08 | 170 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 2/18/08 | 1,600 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 3/12/08 | 900 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 4/23/08 | 16,000 | SCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 5/21/08 | 500 | PCR |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 6/25/08 | 80 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 7/23/08 | 30 | |
| Calcasieu River northeast of Slagle, Louisiana | 819 | 8/20/08 | 500 | PCR |

a. Data before 2005 were not included in TMDL analysis.

**Table A-2. Fecal coliform summary statistics for station 781**

| Statistic | Value[a] |
|---|---|
| Minimum (MPN/100 mL) | 30 |
| Maximum (MPN/100 mL) | 16,000 |
| Average (MPN/100 mL) | 3,541 |
| Count | 11 |
| Percentage of data that violate the PCR criterion | 27.3 |
| Percentage of data that violate the SCR criterion | 18.2 |

[a] Data before 2005 were not included in TMDL analysis.

# Appendix B. Load Duration Curve Plots

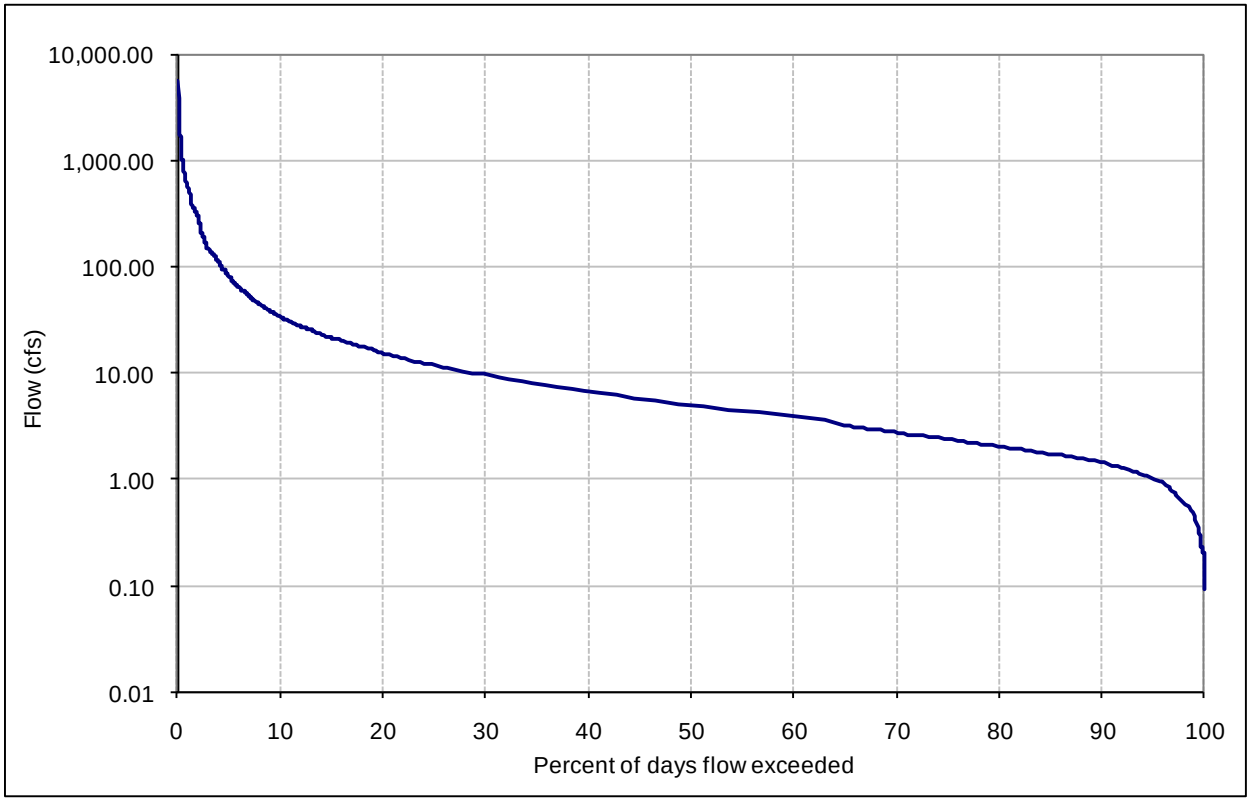


**Figure B-1. Summer flow duration curve for gage 08025500**

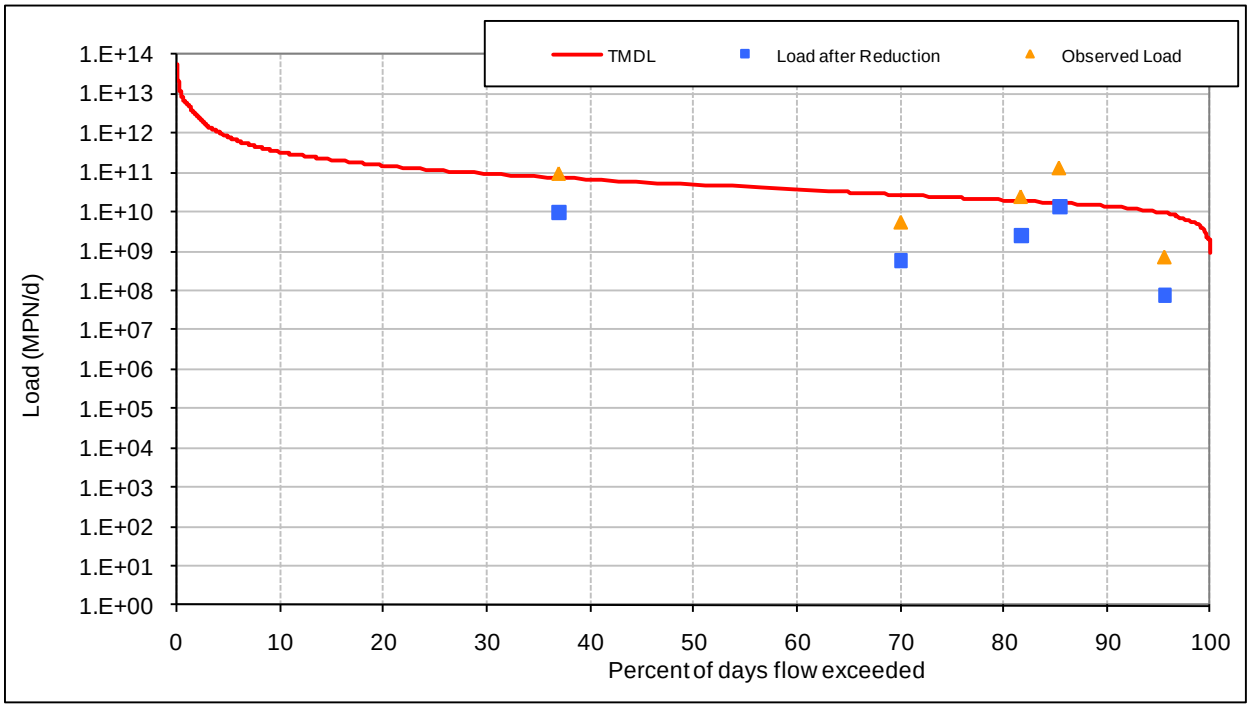


**Figure B-2. Summer load duration curve.**

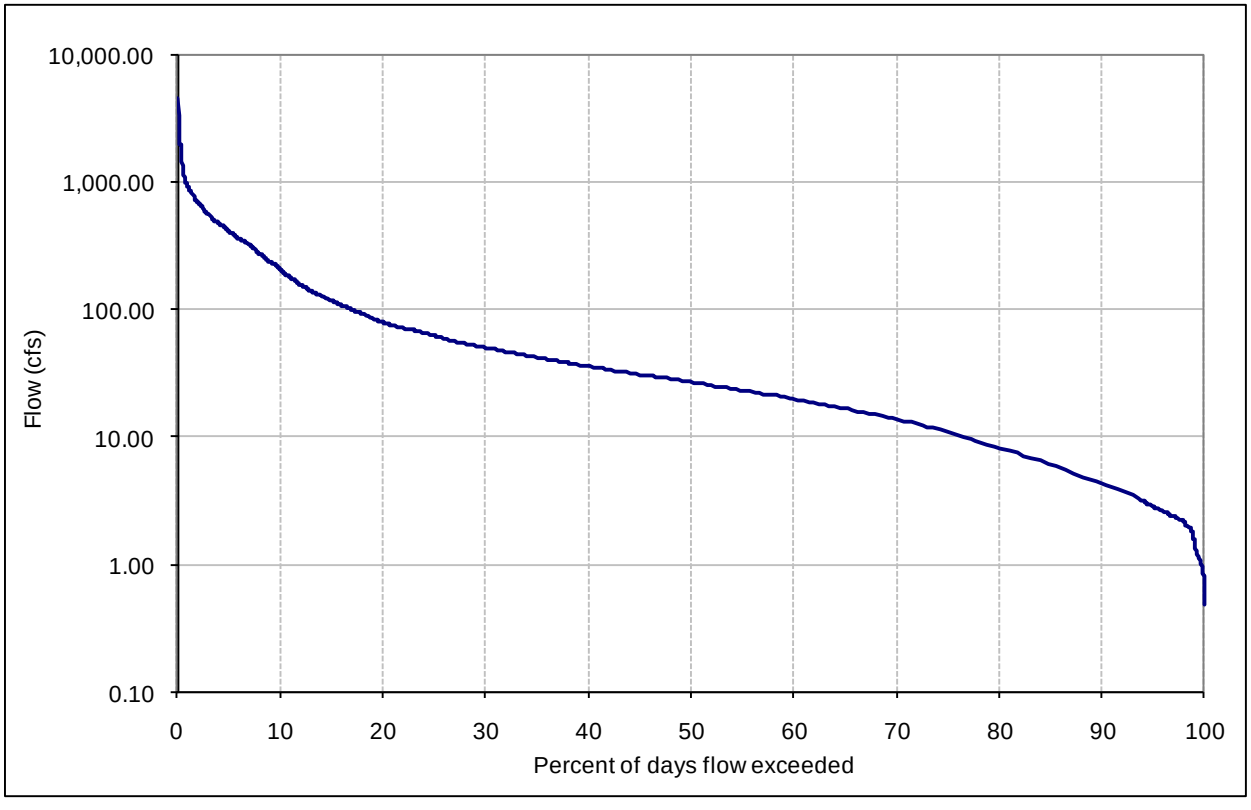


**Figure B-3. Winter flow duration curve for gage 08025500**

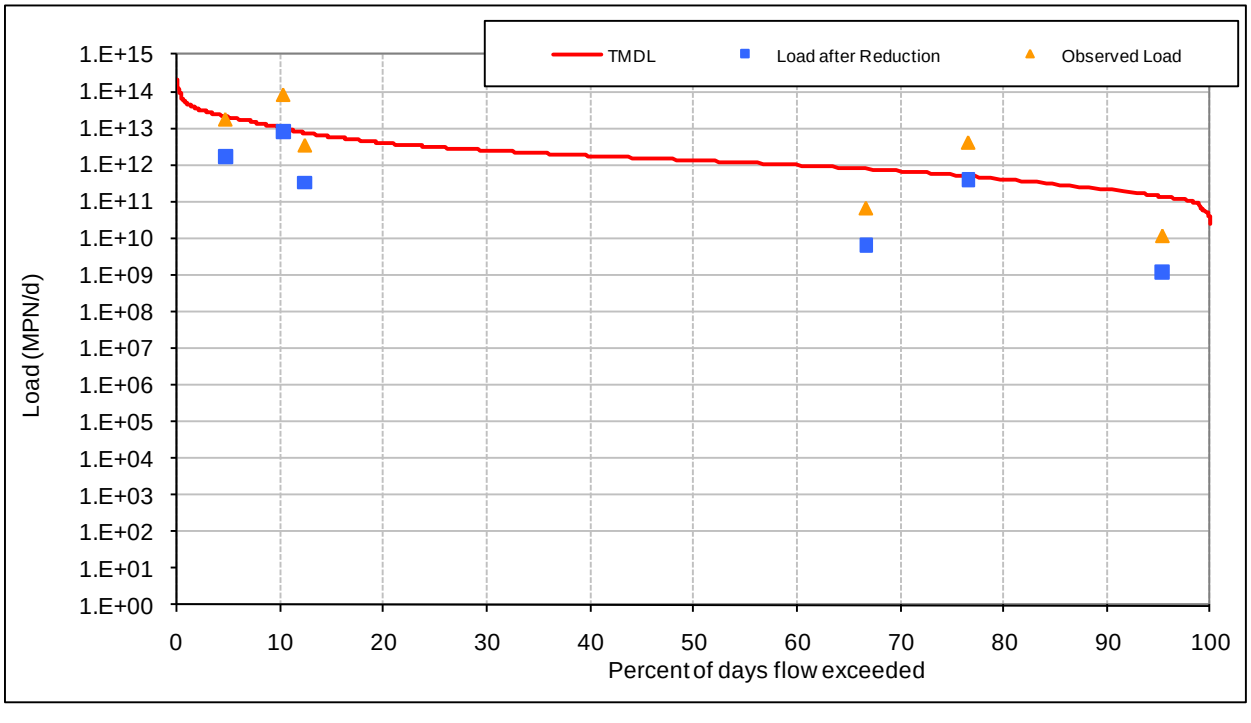


**Figure B-4. Winter load duration curve.**

# Appendix C. Load Duration Curve Calculations

**Table C-1. Summary of summer reductions**

| Date | Observed Concentration (MPN/100 mL) | Area weighted flow on sampling day (cfs) | Percent exceedance for flow on sampling day | Current load (MPN/day) | Reduced load (MPN/day) | Allowable load with MOS incorporated (MPN/day) | Reduced load less than or equal to allow load? |
|---|---|---|---|---|---|---|---|
| 10/23/2007 | 3,000 | 1.718187737 | 85.4 | 1.261E+11 | 1.345E+10 | 1.345E+10 | Yes |
| 5/21/2008 | 500 | 7.456286408 | 37 | 9.121E+10 | 9.729E+09 | 5.838E+10 | Yes |
| 8/20/2008 | 500 | 1.945118193 | 81.7 | 2.379E+10 | 2.538E+09 | 1.523E+10 | Yes |
| 6/25/2008 | 80 | 2.755584107 | 70.1 | 5.393E+09 | 5.753E+08 | 2.157E+10 | Yes |
| 7/23/2008 | 30 | 0.972559097 | 95.6 | 7.138E+08 | 7.614E+07 | 7.614E+09 | Yes |

**Table C-2. Load duration curve summer statistics**

| | | |
|---|---|---|
| Total No. of samples = | 5 | |
| MOS = | 20% | |
| WQ standard for = | 400 | MPN/100 mL |
| Percent Reduction Required = | 89.3 | |
| Allowable percentage of exceedences = | *0%* | |
| No. of exceedances after reductions = | 0 | |
| | | |
| Sum of flow on sampling day | 15 | cfs |
| Sum of current loads | 2.472E+11 | MPN/d |
| Flow weighted avg conc | *681* | MPN/100 mL |
| Average flow | 29 | cfs |
| | | |
| Existing total load | 4.908E+11 | MPN/d |
| Existing point source load | 6.624E+08 | MPN/d |
| Existing remaining load | 4.901E+11 | MPN/d |
| | | |
| Total allowable loading | 2.964E+11 | MPN/d |
| Explicit MOS (20%) | 5.928E+10 | MPN/d |
| WLA | 6.624E+08 | MPN/d |
| LA | 2.365E+11 | MPN/d |
| | | |
| USGS drainage area ($mi^2$) = | 148 | |
| SS drainage area ($mi^2$) = | 47.98 | |

**Table C-3. Flow duration curve summer values**

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| | | | | | | 296,409,962,174 |
| 10/9/06 | 0.29 | 100.000 | 0.0940 | 0.00 | 920,049,974 | 0 |
| 10/8/06 | 0.35 | 100.000 | 0.1135 | 0.00 | 1,110,405,141 | 0 |
| 10/10/06 | 0.42 | 100.000 | 0.1362 | 0.00 | 1,332,486,170 | 0 |
| 10/7/06 | 0.56 | 100.000 | 0.1815 | 0.00 | 1,776,648,226 | 0 |
| 8/30/00 | 0.62 | 100.000 | 0.2010 | 0.00 | 1,967,003,393 | 0 |
| 8/31/00 | 0.63 | 100.000 | 0.2042 | 0.00 | 1,998,729,255 | 0 |
| 9/4/00 | 0.63 | 100.000 | 0.2042 | 0.00 | 1,998,729,255 | 0 |
| 9/5/00 | 0.63 | 100.000 | 0.2042 | 0.10 | 1,998,729,255 | 1,998,729 |
| 9/7/00 | 0.64 | 99.900 | 0.2075 | 0.00 | 2,030,455,116 | 0 |
| 9/6/00 | 0.65 | 99.900 | 0.2107 | 0.00 | 2,062,180,977 | 0 |
| 9/8/00 | 0.65 | 99.900 | 0.2107 | 0.10 | 2,062,180,977 | 2,062,181 |
| 9/1/00 | 0.67 | 99.800 | 0.2172 | 0.00 | 2,125,632,699 | 0 |
| 9/3/00 | 0.67 | 99.800 | 0.2172 | 0.00 | 2,125,632,699 | 0 |
| 9/9/00 | 0.69 | 99.800 | 0.2237 | 0.00 | 2,189,084,422 | 0 |
| 9/2/00 | 0.70 | 99.800 | 0.2269 | 0.00 | 2,220,810,283 | 0 |
| 8/29/00 | 0.71 | 99.800 | 0.2302 | 0.10 | 2,252,536,144 | 2,252,536 |
| 10/5/06 | 0.72 | 99.700 | 0.2334 | 0.00 | 2,284,262,005 | 0 |
| 9/10/00 | 0.80 | 99.700 | 0.2593 | 0.00 | 2,538,068,895 | 0 |
| 8/28/00 | 0.83 | 99.700 | 0.2691 | 0.00 | 2,633,246,478 | 0 |
| 9/16/06 | 0.87 | 99.700 | 0.2820 | 0.00 | 2,760,149,923 | 0 |
| 9/9/06 | 0.88 | 99.700 | 0.2853 | 0.00 | 2,791,875,784 | 0 |
| 10/4/06 | 0.88 | 99.700 | 0.2853 | 0.10 | 2,791,875,784 | 2,791,876 |
| 9/15/06 | 0.89 | 99.600 | 0.2885 | 0.00 | 2,823,601,645 | 0 |
| 10/6/06 | 0.90 | 99.600 | 0.2918 | 0.00 | 2,855,327,507 | 0 |
| 10/15/06 | 0.92 | 99.600 | 0.2983 | 0.00 | 2,918,779,229 | 0 |
| 8/27/00 | 0.93 | 99.600 | 0.3015 | 0.10 | 2,950,505,090 | 2,950,505 |
| 10/14/06 | 0.96 | 99.500 | 0.3112 | 0.00 | 3,045,682,674 | 0 |
| 9/11/00 | 0.99 | 99.500 | 0.3209 | 0.00 | 3,140,860,257 | 0 |
| 8/21/06 | 0.99 | 99.500 | 0.3209 | 0.00 | 3,140,860,257 | 0 |
| 8/1/98 | 1.00 | 99.500 | 0.3242 | 0.00 | 3,172,586,119 | 0 |
| 9/14/06 | 1.00 | 99.500 | 0.3242 | 0.00 | 3,172,586,119 | 0 |
| 9/20/06 | 1.00 | 99.500 | 0.3242 | 0.10 | 3,172,586,119 | 3,172,586 |
| 8/26/00 | 1.10 | 99.400 | 0.3566 | 0.00 | 3,489,844,730 | 0 |
| 10/3/00 | 1.10 | 99.400 | 0.3566 | 0.00 | 3,489,844,730 | 0 |
| 8/20/06 | 1.10 | 99.400 | 0.3566 | 0.00 | 3,489,844,730 | 0 |
| 9/8/06 | 1.10 | 99.400 | 0.3566 | 0.00 | 3,489,844,730 | 0 |
| 10/3/06 | 1.10 | 99.400 | 0.3566 | 0.00 | 3,489,844,730 | 0 |
| 10/13/06 | 1.10 | 99.400 | 0.3566 | 0.10 | 3,489,844,730 | 3,489,845 |
| 7/31/98 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 8/2/98 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 8/21/00 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 8/25/00 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 9/20/00 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/2/00 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 10/4/00 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 9/7/06 | 1.20 | 99.300 | 0.3890 | 0.00 | 3,807,103,342 | 0 |
| 10/12/06 | 1.20 | 99.300 | 0.3890 | 0.20 | 3,807,103,342 | 7,614,207 |
| 8/22/00 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 9/19/00 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 10/5/00 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 8/19/06 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 8/22/06 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 9/13/06 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 9/21/06 | 1.30 | 99.100 | 0.4214 | 0.00 | 4,124,361,954 | 0 |
| 10/2/06 | 1.30 | 99.100 | 0.4214 | 0.10 | 4,124,361,954 | 4,124,362 |
| 8/24/00 | 1.40 | 99.000 | 0.4539 | 0.00 | 4,441,620,566 | 0 |
| 9/18/00 | 1.40 | 99.000 | 0.4539 | 0.00 | 4,441,620,566 | 0 |
| 10/1/00 | 1.40 | 99.000 | 0.4539 | 0.00 | 4,441,620,566 | 0 |
| 9/18/06 | 1.40 | 99.000 | 0.4539 | 0.10 | 4,441,620,566 | 4,441,621 |
| 7/30/98 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 8/23/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 9/21/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 10/25/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 10/26/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 10/27/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 10/31/00 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 8/18/06 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 9/2/06 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 9/10/06 | 1.50 | 98.900 | 0.4863 | 0.00 | 4,758,879,178 | 0 |
| 10/1/06 | 1.50 | 98.900 | 0.4863 | 0.20 | 4,758,879,178 | 9,517,758 |
| 7/25/98 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/10/98 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 8/20/00 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 10/28/00 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 10/30/00 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/10/05 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/11/05 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/12/05 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/1/06 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/6/06 | 1.60 | 98.700 | 0.5187 | 0.00 | 5,076,137,790 | 0 |
| 9/19/06 | 1.60 | 98.700 | 0.5187 | 0.20 | 5,076,137,790 | 10,152,276 |
| 7/13/98 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 7/24/98 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 8/4/98 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 8/5/98 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/9/98 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 8/16/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 8/17/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/18/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/12/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/17/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/30/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/16/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/18/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/19/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/20/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/22/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/24/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/29/00 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/9/05 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 9/17/06 | 1.70 | 98.500 | 0.5511 | 0.00 | 5,393,396,401 | 0 |
| 10/11/06 | 1.70 | 98.500 | 0.5511 | 0.40 | 5,393,396,401 | 21,573,586 |
| 7/14/98 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 9/7/98 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 9/8/98 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 8/15/00 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 10/17/00 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 10/21/00 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 10/23/00 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 8/12/02 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 9/8/05 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 9/13/05 | 1.80 | 98.100 | 0.5835 | 0.00 | 5,710,655,013 | 0 |
| 8/2/08 | 1.80 | 98.100 | 0.5835 | 0.20 | 5,710,655,013 | 11,421,310 |
| 7/12/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 7/23/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 7/27/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 7/29/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 8/3/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 9/6/98 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 8/14/00 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 10/6/00 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 8/11/02 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 8/1/08 | 1.90 | 97.900 | 0.6160 | 0.00 | 6,027,913,625 | 0 |
| 8/8/08 | 1.90 | 97.900 | 0.6160 | 0.30 | 6,027,913,625 | 18,083,741 |
| 7/22/98 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 7/26/98 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 7/28/98 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/19/00 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/13/02 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/16/06 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/17/06 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/31/06 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 9/12/06 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/30/06 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 7/31/08 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/6/08 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/7/08 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/10/08 | 2.00 | 97.600 | 0.6484 | 0.00 | 6,345,172,237 | 0 |
| 8/11/08 | 2.00 | 97.600 | 0.6484 | 0.20 | 6,345,172,237 | 12,690,344 |
| 9/5/98 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 8/10/02 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 9/7/05 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 8/14/06 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 8/15/06 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 8/5/08 | 2.10 | 97.400 | 0.6808 | 0.00 | 6,662,430,849 | 0 |
| 8/9/08 | 2.10 | 97.400 | 0.6808 | 0.20 | 6,662,430,849 | 13,324,862 |
| 7/11/98 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 8/13/00 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 9/16/00 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 10/15/00 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 9/16/02 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 9/14/05 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 7/30/08 | 2.20 | 97.200 | 0.7132 | 0.00 | 6,979,689,461 | 0 |
| 8/3/08 | 2.20 | 97.200 | 0.7132 | 0.10 | 6,979,689,461 | 6,979,689 |
| 9/16/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/17/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/18/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/19/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/20/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/21/97 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 7/21/98 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/13/00 | 2.30 | 97.100 | 0.7456 | 0.00 | 7,296,948,073 | 0 |
| 9/22/06 | 2.30 | 97.100 | 0.7456 | 0.20 | 7,296,948,073 | 14,593,896 |
| 9/15/97 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 8/28/98 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 8/29/98 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 8/30/98 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 9/2/98 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 9/4/98 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 9/22/00 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 8/9/02 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 9/6/05 | 2.40 | 96.900 | 0.7780 | 0.00 | 7,614,206,684 | 0 |
| 9/5/06 | 2.40 | 96.900 | 0.7780 | 0.20 | 7,614,206,684 | 15,228,413 |
| 8/28/80 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |
| 8/29/80 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |
| 9/14/97 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |
| 9/3/98 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |
| 9/24/00 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/29/00 | 2.50 | 96.700 | 0.8105 | 0.00 | 7,931,465,296 | 0 |
| 7/29/08 | 2.50 | 96.700 | 0.8105 | 0.10 | 7,931,465,296 | 7,931,465 |
| 8/27/80 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 10/14/80 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 10/15/80 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/10/82 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/13/97 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 7/10/98 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 8/12/00 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/26/00 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 8/14/02 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/15/02 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/5/05 | 2.60 | 96.600 | 0.8429 | 0.00 | 8,248,723,908 | 0 |
| 9/15/05 | 2.60 | 96.600 | 0.8429 | 0.30 | 8,248,723,908 | 24,746,172 |
| 8/25/80 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 10/13/80 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 10/16/80 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 10/26/80 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 7/20/98 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 8/27/98 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 8/11/00 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 9/15/00 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 9/25/00 | 2.70 | 96.300 | 0.8753 | 0.00 | 8,565,982,520 | 0 |
| 10/14/00 | 2.70 | 96.300 | 0.8753 | 0.20 | 8,565,982,520 | 17,131,965 |
| 8/26/80 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 9/9/82 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 10/5/82 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 10/6/82 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 9/12/97 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 6/25/98 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 7/17/98 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 8/6/98 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 9/14/00 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 10/7/00 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 8/7/02 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 8/13/06 | 2.80 | 96.100 | 0.9077 | 0.00 | 8,883,241,132 | 0 |
| 7/21/08 | 2.80 | 96.100 | 0.9077 | 0.20 | 8,883,241,132 | 17,766,482 |
| 9/8/82 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 9/11/82 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 10/4/82 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 9/4/85 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 9/5/85 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 6/24/98 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 6/26/98 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 7/9/98 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/18/98 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 7/19/98 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 9/23/00 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 9/14/02 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 7/19/08 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 7/28/08 | 2.90 | 95.900 | 0.9401 | 0.00 | 9,200,499,744 | 0 |
| 8/12/08 | 2.90 | 95.900 | 0.9401 | 0.30 | 9,200,499,744 | 27,601,499 |
| 8/24/80 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/19/80 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/23/81 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/29/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/30/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/31/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/1/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 10/2/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 10/3/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 10/7/82 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/3/85 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/6/85 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/9/85 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/27/85 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/11/97 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/26/98 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/23/99 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 8/10/00 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/7/02 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 9/29/06 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 7/17/08 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 7/18/08 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 7/20/08 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 7/23/08 | 3.00 | 95.600 | 0.9726 | 0.00 | 9,517,758,356 | 0 |
| 7/24/08 | 3.00 | 95.600 | 0.9726 | 0.50 | 9,517,758,356 | 47,588,792 |
| 9/18/80 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/20/80 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 10/12/80 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 8/22/81 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 8/28/82 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/7/82 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/1/85 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/2/85 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/25/85 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/26/85 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 7/15/98 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/1/98 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/27/99 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/13/00 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 8/8/02 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/6/02 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/8/02 | 3.10 | 95.100 | 1.0050 | 0.00 | 9,835,016,967 | 0 |
| 9/4/05 | 3.10 | 95.100 | 1.0050 | 0.30 | 9,835,016,967 | 29,505,051 |
| 10/11/80 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 8/21/81 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 9/19/82 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 9/30/82 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 10/1/82 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 8/31/85 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 9/24/85 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 6/20/98 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 8/25/98 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 9/22/99 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 9/24/99 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 8/9/00 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 10/12/00 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 8/6/02 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 7/14/08 | 3.20 | 94.800 | 1.0374 | 0.00 | 10,152,275,579 | 0 |
| 7/16/08 | 3.20 | 94.800 | 1.0374 | 0.40 | 10,152,275,579 | 40,609,102 |
| 8/23/80 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/21/80 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/22/80 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 10/10/80 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 8/27/82 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/2/82 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/29/82 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/10/97 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 6/19/98 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 6/23/98 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/25/99 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/26/99 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/28/99 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/18/05 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 8/30/06 | 3.30 | 94.400 | 1.0698 | 0.00 | 10,469,534,191 | 0 |
| 9/8/09 | 3.30 | 94.400 | 1.0698 | 0.30 | 10,469,534,191 | 31,408,603 |
| 10/8/80 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 10/9/80 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 8/26/82 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/6/82 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/28/82 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 10/8/82 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 8/30/85 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/23/85 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/18/96 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/19/96 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 6/22/98 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 7/8/98 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/20/99 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/21/99 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/3/02 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/4/02 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/5/02 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/9/02 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 9/19/05 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 7/19/06 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 7/13/08 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 7/15/08 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 7/22/08 | 3.40 | 94.100 | 1.1022 | 0.00 | 10,786,792,803 | 0 |
| 10/6/08 | 3.40 | 94.100 | 1.1022 | 0.40 | 10,786,792,803 | 43,147,171 |
| 9/17/80 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 9/24/80 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 8/17/81 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 8/20/81 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 9/22/85 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 9/17/96 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 8/24/98 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 8/31/98 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 9/10/02 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 10/5/07 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 7/27/08 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 8/31/08 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 10/5/08 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 10/31/08 | 3.50 | 93.700 | 1.1347 | 0.00 | 11,104,051,415 | 0 |
| 9/7/09 | 3.50 | 93.700 | 1.1347 | 0.30 | 11,104,051,415 | 33,312,154 |
| 8/22/80 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/23/80 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 10/25/80 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 8/26/81 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/4/82 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/13/82 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/18/82 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/27/82 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 8/29/85 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/28/85 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 7/16/98 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 8/13/98 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/19/99 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 8/8/00 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/11/00 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/2/02 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/11/02 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/13/02 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/17/05 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 8/12/06 | 3.60 | 93.400 | 1.1671 | 0.00 | 11,421,310,027 | 0 |
| 9/5/09 | 3.60 | 93.400 | 1.1671 | 0.40 | 11,421,310,027 | 45,685,240 |
| 8/21/80 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 10/7/80 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 10/31/81 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 7/22/82 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 8/25/82 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/12/82 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/14/82 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 10/9/82 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/8/85 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/21/85 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/16/96 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 6/21/98 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 7/3/98 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/3/05 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/20/05 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/23/06 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 10/4/07 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 7/25/08 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 10/4/08 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/4/09 | 3.70 | 93.000 | 1.1995 | 0.00 | 11,738,568,639 | 0 |
| 9/6/09 | 3.70 | 93.000 | 1.1995 | 0.40 | 11,738,568,639 | 46,954,275 |
| 9/5/82 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 9/9/97 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 6/18/98 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 7/1/98 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 7/2/98 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 9/18/99 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 9/12/02 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 7/1/05 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 8/5/06 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 8/27/06 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 10/14/07 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 10/15/07 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 7/12/08 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 9/1/08 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 7/16/09 | 3.80 | 92.600 | 1.2319 | 0.00 | 12,055,827,250 | 0 |
| 9/11/09 | 3.80 | 92.600 | 1.2319 | 0.40 | 12,055,827,250 | 48,223,309 |
| 8/20/80 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/16/81 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 7/20/82 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 8/24/82 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 9/3/82 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 8/28/85 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 9/20/85 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 9/15/96 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 6/30/98 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 7/7/98 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 7/29/00 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 8/5/02 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 7/18/06 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 8/4/06 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 10/3/07 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 10/6/07 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 7/26/08 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 10/3/08 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 10/30/08 | 3.90 | 92.200 | 1.2643 | 0.00 | 12,373,085,862 | 0 |
| 9/10/09 | 3.90 | 92.200 | 1.2643 | 0.30 | 12,373,085,862 | 37,119,258 |
| 10/6/80 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 8/4/81 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 8/19/81 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 9/13/93 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 10/16/96 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 10/17/96 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 10/18/96 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 6/27/98 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 9/17/99 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 7/28/00 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 7/30/00 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 6/30/05 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 7/2/05 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 8/11/06 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 7/3/09 | 4.00 | 91.900 | 1.2967 | 0.00 | 12,690,344,474 | 0 |
| 9/9/09 | 4.00 | 91.900 | 1.2967 | 0.40 | 12,690,344,474 | 50,761,378 |
| 9/15/80 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/3/81 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 10/30/81 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/17/82 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/18/82 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/19/82 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/21/82 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 9/26/82 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 9/19/85 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 9/14/96 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/15/96 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 10/19/96 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 6/28/98 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/27/00 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/7/00 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/28/06 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 10/13/07 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/10/08 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/19/08 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/2/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/4/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/5/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 7/15/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/26/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 8/27/09 | 4.10 | 91.500 | 1.3292 | 0.00 | 13,007,603,086 | 0 |
| 9/3/09 | 4.10 | 91.500 | 1.3292 | 0.50 | 13,007,603,086 | 65,038,015 |
| 9/16/80 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 7/26/81 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/14/81 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/15/81 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/18/81 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/23/82 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/27/85 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 9/12/93 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 9/29/93 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/23/96 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/24/96 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/27/96 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 10/14/96 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 10/23/96 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 9/1/02 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 6/29/05 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 7/11/08 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 8/4/08 | 4.20 | 91.000 | 1.3616 | 0.00 | 13,324,861,698 | 0 |
| 10/2/08 | 4.20 | 91.000 | 1.3616 | 0.30 | 13,324,861,698 | 39,974,585 |
| 8/24/81 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/24/81 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 7/16/82 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 9/16/82 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/28/82 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 9/30/93 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/5/93 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/6/93 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 8/28/96 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/20/96 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/29/98 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 8/23/98 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 7/26/00 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 8/3/00 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 9/2/05 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 9/21/05 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/31/07 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/22/08 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 10/29/08 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 7/1/09 | 4.30 | 90.700 | 1.3940 | 0.00 | 13,642,120,310 | 0 |
| 8/18/09 | 4.30 | 90.700 | 1.3940 | 0.40 | 13,642,120,310 | 54,568,481 |
| 8/19/80 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/14/80 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/25/81 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/5/81 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/17/82 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/27/82 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/11/93 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/14/93 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/7/93 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/21/96 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/13/96 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/7/97 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 9/22/97 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/24/99 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/25/99 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/8/06 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/29/06 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/30/07 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/15/08 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/18/08 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/7/08 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 10/13/08 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 7/14/09 | 4.40 | 90.300 | 1.4264 | 0.00 | 13,959,378,921 | 0 |
| 8/17/09 | 4.40 | 90.300 | 1.4264 | 0.50 | 13,959,378,921 | 69,796,895 |
| 8/22/82 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/15/82 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/18/85 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/7/93 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/28/93 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 10/8/93 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 10/13/96 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 10/22/96 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 7/4/98 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/26/99 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/31/99 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/16/99 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 10/6/99 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 7/31/00 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/31/02 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 6/28/05 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/22/05 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/23/05 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 7/16/06 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 10/16/07 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 7/9/08 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/30/08 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/15/09 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/16/09 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 8/25/09 | 4.50 | 89.800 | 1.4588 | 0.00 | 14,276,637,533 | 0 |
| 9/2/09 | 4.50 | 89.800 | 1.4588 | 0.50 | 14,276,637,533 | 71,383,188 |
| 10/5/80 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/17/80 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/26/85 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/3/90 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/9/93 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/10/93 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/4/93 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/7/94 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/26/96 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/6/97 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/8/97 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 6/17/98 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/12/98 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/23/99 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/27/99 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/2/99 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/7/99 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/6/00 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/10/00 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/30/02 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 8/21/05 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/22/05 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 9/22/07 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/2/07 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/7/07 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 10/29/07 | 4.60 | 89.300 | 1.4913 | 0.00 | 14,593,896,145 | 0 |
| 6/30/09 | 4.60 | 89.300 | 1.4913 | 0.50 | 14,593,896,145 | 72,969,481 |
| 8/27/81 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/4/81 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/25/82 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/26/82 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/3/94 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/4/94 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/5/94 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/6/94 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/19/96 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/25/96 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 7/29/97 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 6/16/98 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/21/99 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/30/99 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/5/99 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 7/25/00 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 6/27/05 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 9/1/05 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/27/05 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/28/05 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/3/06 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 9/3/06 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/12/07 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/24/07 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/25/07 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 8/16/08 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/1/08 | 4.70 | 88.800 | 1.5237 | 0.00 | 14,911,154,757 | 0 |
| 10/15/08 | 4.70 | 88.800 | 1.5237 | 0.60 | 14,911,154,757 | 89,466,929 |
| 8/10/80 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/18/80 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 7/25/81 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 7/11/82 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/21/82 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/22/82 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/2/90 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 9/6/93 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 9/27/93 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/21/96 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/5/97 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 6/15/98 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 7/6/98 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/7/98 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 9/1/99 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/27/99 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/28/99 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/1/00 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/2/00 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/4/02 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/29/02 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/2/02 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/10/03 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/25/05 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/26/05 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/29/05 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/30/05 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 7/17/06 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 10/28/07 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/29/08 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 6/29/09 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 7/13/09 | 4.80 | 88.200 | 1.5561 | 0.00 | 15,228,413,369 | 0 |
| 8/14/09 | 4.80 | 88.200 | 1.5561 | 0.60 | 15,228,413,369 | 91,370,480 |
| 10/2/81 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/29/81 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/12/82 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/14/82 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/15/82 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/31/82 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/21/82 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/17/85 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/1/90 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/8/93 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/2/93 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/2/94 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/22/96 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/12/96 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/12/96 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/26/97 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/11/98 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/19/99 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/22/99 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/15/99 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 7/24/00 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/9/03 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 9/23/05 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/24/05 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 10/21/08 | 4.90 | 87.600 | 1.5885 | 0.00 | 15,545,671,981 | 0 |
| 8/13/09 | 4.90 | 87.600 | 1.5885 | 0.50 | 15,545,671,981 | 77,728,360 |
| 8/11/80 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/2/81 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 7/10/82 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/1/82 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/20/82 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/25/82 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/25/85 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/7/85 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/26/93 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/1/93 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/1/94 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/18/96 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 6/4/98 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 6/5/98 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/18/99 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/20/99 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/4/99 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/18/99 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/29/99 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/28/00 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/22/04 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 6/26/05 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 8/20/05 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/16/05 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 9/21/07 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/11/07 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/27/07 | 5.00 | 87.100 | 1.6209 | 0.00 | 15,862,930,593 | 0 |
| 10/28/08 | 5.00 | 87.100 | 1.6209 | 0.60 | 15,862,930,593 | 95,177,584 |
| 8/13/80 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 8/13/81 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 9/28/81 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/19/88 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/3/93 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 9/30/94 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 7/23/97 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 8/22/98 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 9/3/99 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/17/99 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/26/99 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/1/02 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 8/8/03 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 8/24/05 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 8/31/05 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/23/05 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 7/1/06 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 9/28/06 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 9/25/07 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/8/08 | 5.10 | 86.500 | 1.6534 | 0.00 | 16,180,189,204 | 0 |
| 10/12/08 | 5.10 | 86.500 | 1.6534 | 0.40 | 16,180,189,204 | 64,720,757 |
| 8/9/80 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/13/80 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/12/81 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/3/81 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/23/81 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/20/82 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/19/82 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/29/82 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/18/88 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/20/88 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/21/88 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/22/88 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/23/88 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/25/90 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/30/90 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/5/93 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/29/94 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/11/96 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/24/96 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/24/97 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/5/98 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/20/98 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/21/98 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/17/99 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/29/99 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/1/99 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 10/15/99 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/23/00 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/4/00 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/12/02 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/17/05 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/18/05 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/27/07 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/5/08 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/17/08 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 6/28/09 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 7/21/09 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 8/24/09 | 5.20 | 86.100 | 1.6858 | 0.00 | 16,497,447,816 | 0 |
| 9/1/09 | 5.20 | 86.100 | 1.6858 | 0.70 | 16,497,447,816 | 115,482,135 |
| 8/17/80 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/12/81 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/29/81 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/1/88 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/17/88 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/24/88 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 9/27/94 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/28/94 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/20/96 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 7/28/97 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 6/14/98 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/16/99 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/3/99 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/30/99 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 7/22/00 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/3/02 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 8/28/02 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/3/02 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 9/21/04 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 6/25/05 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/22/05 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 7/25/06 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 9/24/07 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 10/23/07 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 9/29/08 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 9/30/08 | 5.30 | 85.400 | 1.7182 | 0.00 | 16,814,706,428 | 0 |
| 7/20/09 | 5.30 | 85.400 | 1.7182 | 0.60 | 16,814,706,428 | 100,888,239 |
| 8/12/80 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/30/80 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/4/80 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/5/80 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/24/80 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/1/81 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/25/81 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 7/30/82 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/16/88 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/6/90 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/24/90 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/25/93 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/9/96 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/8/97 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 6/3/98 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/28/99 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/30/99 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/2/99 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/16/99 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 7/21/00 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/26/01 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 7/10/02 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/7/03 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/19/05 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/21/05 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/31/05 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/11/07 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 9/26/07 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/1/07 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 10/26/07 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 7/4/08 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 8/14/08 | 5.40 | 84.800 | 1.7506 | 0.00 | 17,131,965,040 | 0 |
| 7/12/09 | 5.40 | 84.800 | 1.7506 | 0.60 | 17,131,965,040 | 102,791,790 |
| 10/4/80 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/24/81 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/27/81 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/6/81 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/9/82 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/13/82 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/15/88 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/25/88 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/28/90 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/20/90 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/15/92 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/26/94 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/25/97 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/19/99 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/21/99 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/11/02 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 8/15/02 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/30/02 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 10/20/05 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 7/26/06 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 8/2/06 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/10/07 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/20/07 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/23/07 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 9/28/07 | 5.50 | 84.200 | 1.7830 | 0.00 | 17,449,223,652 | 0 |
| 8/12/09 | 5.50 | 84.200 | 1.7830 | 0.50 | 17,449,223,652 | 87,246,118 |
| 9/13/81 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/24/82 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/30/82 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 8/24/85 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/16/85 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/4/90 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/18/90 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/19/90 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/14/92 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/15/93 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/15/95 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/26/95 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/29/95 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 5/27/96 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/10/96 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 7/22/97 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/14/99 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/25/99 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 7/20/00 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/27/00 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/29/02 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/20/04 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/19/05 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 7/15/06 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/9/07 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 9/29/07 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/10/07 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 10/17/07 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 7/6/08 | 5.60 | 83.700 | 1.8154 | 0.00 | 17,766,482,264 | 0 |
| 8/13/08 | 5.60 | 83.700 | 1.8154 | 0.60 | 17,766,482,264 | 106,598,894 |
| 10/2/80 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/29/81 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 7/8/82 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 7/29/82 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/2/82 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/19/82 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/5/90 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/27/90 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/29/90 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/25/94 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/13/95 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/14/95 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/16/95 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/17/95 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 10/25/95 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/8/96 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/17/96 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/4/97 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/15/99 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 10/20/99 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 7/19/00 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 9/28/02 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/6/03 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 10/18/05 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 8/26/06 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 10/22/07 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/8/08 | 5.70 | 83.100 | 1.8479 | 0.00 | 18,083,740,876 | 0 |
| 7/11/09 | 5.70 | 83.100 | 1.8479 | 0.50 | 18,083,740,876 | 90,418,704 |
| 7/17/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/8/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/16/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/27/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/30/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/1/80 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/11/88 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/14/88 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/26/90 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/23/93 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/24/93 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/12/95 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 5/25/96 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/13/99 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/14/99 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/8/00 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 7/9/02 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 6/24/05 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/16/05 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 6/30/06 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/28/08 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 9/28/08 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/11/08 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 10/14/08 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 6/23/09 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 6/24/09 | 5.80 | 82.600 | 1.8803 | 0.00 | 18,400,999,487 | 0 |
| 8/10/09 | 5.80 | 82.600 | 1.8803 | 0.50 | 18,400,999,487 | 92,004,997 |
| 9/12/80 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 9/11/81 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 9/26/81 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/9/88 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/10/88 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/16/90 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/9/92 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/13/92 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 9/11/95 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 9/19/95 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 5/24/96 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 5/26/96 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 6/2/98 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/14/99 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/17/05 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 7/14/06 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/4/06 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 10/16/08 | 5.90 | 82.100 | 1.9127 | 0.00 | 18,718,258,099 | 0 |
| 6/27/09 | 5.90 | 82.100 | 1.9127 | 0.40 | 18,718,258,099 | 74,873,032 |
| 8/14/80 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/3/80 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/29/80 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 8/28/81 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/16/81 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/24/82 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/18/82 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/23/82 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 8/4/85 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/8/88 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/12/88 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/13/88 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/7/90 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/17/90 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/10/92 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/18/95 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/24/95 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/30/95 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/11/96 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 6/13/98 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/22/99 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 10/24/99 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/19/04 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 8/7/06 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/11/06 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 9/8/07 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 7/3/08 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 8/20/08 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 6/22/09 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 6/25/09 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 7/22/09 | 6.00 | 81.700 | 1.9451 | 0.00 | 19,035,516,711 | 0 |
| 8/31/09 | 6.00 | 81.700 | 1.9451 | 0.60 | 19,035,516,711 | 114,213,100 |
| 9/26/80 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/30/81 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/22/81 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 9/2/90 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/6/90 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/7/92 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/12/92 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 9/24/94 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/23/95 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 7/11/96 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/6/97 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 7/21/97 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 9/13/99 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 7/18/00 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/5/00 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 7/24/02 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/2/02 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 9/27/02 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/5/03 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/15/05 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/30/05 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/16/05 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/28/07 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 9/19/07 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 10/20/08 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/9/09 | 6.10 | 81.100 | 1.9775 | 0.00 | 19,352,775,323 | 0 |
| 8/11/09 | 6.10 | 81.100 | 1.9775 | 0.60 | 19,352,775,323 | 116,116,652 |
| 7/18/80 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/15/80 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/28/80 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/28/81 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/18/82 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/31/82 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/3/85 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/8/90 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/11/90 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/8/92 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/21/93 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/2/93 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/3/93 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/4/93 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/22/93 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/10/95 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/7/96 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/8/96 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 7/20/97 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/12/99 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/25/01 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 8/26/02 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/25/03 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 9/23/04 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 6/23/05 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/15/05 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/18/08 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 10/27/08 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/21/09 | 6.20 | 80.500 | 2.0100 | 0.00 | 19,670,033,935 | 0 |
| 7/19/09 | 6.20 | 80.500 | 2.0100 | 0.50 | 19,670,033,935 | 98,350,170 |
| 8/7/80 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/1/80 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/2/80 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 8/1/81 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/17/81 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/27/81 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 7/7/82 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/2/88 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/1/90 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/23/90 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/15/90 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/31/90 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/6/92 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/19/93 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/8/95 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/9/95 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/22/95 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 7/10/96 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/9/96 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/7/97 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 7/17/00 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 6/18/02 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/17/02 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/26/03 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/27/03 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/18/04 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 8/2/05 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 8/29/07 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 9/7/07 | 6.30 | 80.000 | 2.0424 | 0.00 | 19,987,292,547 | 0 |
| 10/21/07 | 6.30 | 80.000 | 2.0424 | 0.60 | 19,987,292,547 | 119,923,755 |
| 8/5/81 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 9/19/84 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 9/20/84 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/2/85 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/23/85 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/30/90 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/31/90 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 9/3/90 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 9/9/90 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/5/92 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 7/18/97 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/23/99 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/31/99 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/19/01 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/20/01 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/27/02 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/18/02 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/6/03 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/24/03 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 10/14/05 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 7/24/06 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 9/25/06 | 6.40 | 79.400 | 2.0748 | 0.00 | 20,304,551,159 | 0 |
| 8/27/07 | 6.40 | 79.400 | 2.0748 | 0.50 | 20,304,551,159 | 101,522,756 |
| 7/16/80 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/6/80 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/8/80 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/3/80 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/25/81 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/26/81 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/10/82 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/18/84 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/10/85 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/11/85 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/12/85 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/7/90 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/30/90 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/4/92 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 8/20/93 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/21/93 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/9/93 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/20/93 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/23/94 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/7/95 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 5/23/96 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 7/9/96 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 8/18/97 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 8/19/97 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 6/1/98 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 8/11/99 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/8/99 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 6/17/02 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/7/03 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/28/03 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 10/12/05 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 6/29/06 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 8/30/07 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 9/12/07 | 6.50 | 78.900 | 2.1072 | 0.00 | 20,621,809,770 | 0 |
| 7/10/09 | 6.50 | 78.900 | 2.1072 | 0.70 | 20,621,809,770 | 144,352,668 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/15/85 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/9/85 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/3/88 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/12/90 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/14/90 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 8/22/93 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/21/95 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/31/95 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 8/16/96 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 7/19/97 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 8/11/98 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 9/10/99 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 7/8/02 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 8/4/03 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/22/03 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/23/03 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/11/05 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 10/13/05 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 9/30/07 | 6.60 | 78.200 | 2.1396 | 0.00 | 20,939,068,382 | 0 |
| 6/20/09 | 6.60 | 78.200 | 2.1396 | 0.30 | 20,939,068,382 | 62,817,205 |
| 7/23/81 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/15/81 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/17/84 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/29/90 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/20/93 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/28/93 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 7/8/96 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 7/5/97 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 7/17/97 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 8/20/97 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/29/99 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 8/25/02 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/19/02 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/8/03 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/17/04 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/10/05 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 8/26/07 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/5/07 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/6/07 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 7/2/08 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 9/27/08 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 10/23/08 | 6.70 | 77.900 | 2.1720 | 0.00 | 21,256,326,994 | 0 |
| 8/23/09 | 6.70 | 77.900 | 2.1720 | 0.50 | 21,256,326,994 | 106,281,635 |
| 8/6/80 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 9/11/80 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/28/82 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/1/85 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/8/85 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/7/88 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 9/21/90 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/9/90 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/13/90 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/3/92 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/18/93 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/8/94 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 7/7/96 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/6/96 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/8/96 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/17/97 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 5/31/98 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 6/12/98 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 9/11/99 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 7/16/00 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 7/25/02 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 10/21/03 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/14/05 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/9/06 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 8/15/07 | 6.80 | 77.400 | 2.2045 | 0.00 | 21,573,585,606 | 0 |
| 9/1/07 | 6.80 | 77.400 | 2.2045 | 0.50 | 21,573,585,606 | 107,867,928 |
| 8/11/81 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/6/82 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 10/11/92 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/18/93 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/19/93 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 10/29/93 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 10/20/95 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/21/97 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/10/99 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 9/12/99 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 7/13/02 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 9/26/02 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 10/17/02 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 7/2/06 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/31/07 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 10/9/08 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 6/19/09 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 7/6/09 | 6.90 | 76.900 | 2.2369 | 0.00 | 21,890,844,218 | 0 |
| 8/30/09 | 6.90 | 76.900 | 2.2369 | 0.40 | 21,890,844,218 | 87,563,377 |
| 9/7/80 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/10/81 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/15/82 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/16/84 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/13/85 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/27/93 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/6/95 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/27/95 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 5/22/96 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 7/6/96 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/7/96 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 7/27/97 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/9/00 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 5/29/01 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 5/30/01 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/20/03 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/16/04 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 6/22/05 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 10/9/05 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 8/25/07 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 7/7/08 | 7.00 | 76.500 | 2.2693 | 0.00 | 22,208,102,830 | 0 |
| 9/9/08 | 7.00 | 76.500 | 2.2693 | 0.40 | 22,208,102,830 | 88,832,411 |
| 7/15/80 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/27/80 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 9/24/81 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/10/90 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/2/92 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/19/95 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 5/30/98 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 8/19/98 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/5/03 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 9/15/04 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 9/18/07 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 10/17/08 | 7.10 | 76.100 | 2.3017 | 0.00 | 22,525,361,441 | 0 |
| 8/8/09 | 7.10 | 76.100 | 2.3017 | 0.20 | 22,525,361,441 | 45,050,723 |
| 8/31/80 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 7/6/82 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 7/31/85 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 8/22/85 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/4/90 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/8/90 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/28/90 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 9/1/93 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/15/93 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 9/22/94 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/15/95 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/16/95 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/3/97 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 8/18/01 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 6/16/02 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/3/03 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/31/03 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 8/1/05 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 6/28/06 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 7/13/06 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 9/2/07 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 9/13/07 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/9/07 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 10/18/07 | 7.20 | 75.900 | 2.3341 | 0.00 | 22,842,620,053 | 0 |
| 6/20/08 | 7.20 | 75.900 | 2.3341 | 0.50 | 22,842,620,053 | 114,213,100 |
| 6/14/82 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/17/82 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/29/90 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 9/22/90 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 9/16/93 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/18/95 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 6/10/96 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 5/29/98 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/9/99 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/13/99 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/3/03 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/2/03 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/4/03 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/3/05 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/8/05 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 8/14/07 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/20/07 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 10/24/08 | 7.30 | 75.400 | 2.3666 | 0.00 | 23,159,878,665 | 0 |
| 6/18/09 | 7.30 | 75.400 | 2.3666 | 0.40 | 23,159,878,665 | 92,639,515 |
| 7/23/82 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 7/24/82 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/17/82 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/7/85 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 9/6/86 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 9/7/86 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 9/20/90 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 9/19/93 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 9/21/94 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/14/95 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/17/95 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/7/96 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 7/4/97 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/17/98 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/30/98 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/31/98 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 8/19/03 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 8/20/03 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 8/27/03 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 10/19/03 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 8/24/07 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 6/21/08 | 7.40 | 75.000 | 2.3990 | 0.00 | 23,477,137,277 | 0 |
| 8/27/08 | 7.40 | 75.000 | 2.3990 | 0.40 | 23,477,137,277 | 93,908,549 |
| 9/10/80 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 10/21/81 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 6/13/82 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 6/19/82 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 10/23/92 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 9/17/94 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 9/30/95 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 10/13/95 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 5/21/96 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 6/9/96 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 7/5/96 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 7/12/96 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 7/16/97 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 10/8/97 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 7/15/00 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 5/31/01 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 9/14/04 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 10/8/07 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 6/22/08 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 8/21/08 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 6/26/09 | 7.50 | 74.600 | 2.4314 | 0.00 | 23,794,395,889 | 0 |
| 8/7/09 | 7.50 | 74.600 | 2.4314 | 0.50 | 23,794,395,889 | 118,971,979 |
| 7/14/80 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 7/25/84 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 9/14/84 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 7/2/85 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 9/8/86 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/26/92 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/27/92 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 8/27/93 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 8/31/93 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/17/93 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 9/18/94 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/12/95 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/28/95 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/5/96 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 8/8/98 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 8/21/01 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 8/24/01 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 7/7/02 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 10/16/02 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 6/16/05 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 6/17/06 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 9/4/07 | 7.60 | 74.100 | 2.4638 | 0.00 | 24,111,654,501 | 0 |
| 7/17/09 | 7.60 | 74.100 | 2.4638 | 0.40 | 24,111,654,501 | 96,446,618 |
| 7/31/81 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 6/18/82 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 9/15/84 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 7/12/85 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 7/15/85 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/1/92 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/29/92 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 8/17/93 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 8/28/93 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 9/17/93 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/26/93 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 9/10/94 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 8/15/96 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/6/96 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 8/16/97 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/7/97 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/29/98 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 9/9/99 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 6/5/01 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 8/1/02 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 10/9/03 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 6/15/05 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 6/21/05 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 9/26/08 | 7.70 | 73.700 | 2.4962 | 0.00 | 24,428,913,113 | 0 |
| 7/27/09 | 7.70 | 73.700 | 2.4962 | 0.50 | 24,428,913,113 | 122,144,566 |
| 7/13/80 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/14/81 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 6/16/82 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 7/1/85 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 7/30/85 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/14/85 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/14/85 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/5/86 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/9/86 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/10/86 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/10/90 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/24/92 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/5/95 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/11/95 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 9/10/96 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 5/28/98 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 8/8/99 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 8/24/02 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/30/03 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 6/16/06 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 6/9/08 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 6/19/08 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 10/10/08 | 7.80 | 73.200 | 2.5287 | 0.00 | 24,746,171,724 | 0 |
| 6/17/09 | 7.80 | 73.200 | 2.5287 | 0.50 | 24,746,171,724 | 123,730,859 |
| 9/23/81 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 6/12/82 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 7/5/85 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/5/90 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/22/92 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/8/93 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/30/95 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 9/29/95 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/1/95 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 9/20/96 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/22/97 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 6/11/98 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/18/98 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 7/23/02 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/18/03 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 9/13/04 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 6/17/05 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/13/05 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/29/05 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 10/7/05 | 7.90 | 72.700 | 2.5611 | 0.00 | 25,063,430,336 | 0 |
| 8/10/06 | 7.90 | 72.700 | 2.5611 | 0.40 | 25,063,430,336 | 100,253,721 |
| 8/5/80 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/23/80 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/22/81 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/24/84 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 9/12/84 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/11/85 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/6/85 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/16/85 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 9/11/86 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/27/90 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/28/92 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/23/93 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 9/16/94 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 5/20/96 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 6/8/96 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/4/96 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/23/96 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/6/97 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/22/97 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 5/26/98 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/28/98 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 5/28/01 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/11/01 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/12/01 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 6/15/02 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/5/02 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/2/03 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 6/27/06 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/28/06 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/13/07 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/16/07 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 6/10/08 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 6/17/08 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 7/1/08 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 10/19/08 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 8/6/09 | 8.00 | 72.300 | 2.5935 | 0.00 | 25,380,688,948 | 0 |
| 9/23/09 | 8.00 | 72.300 | 2.5935 | 0.70 | 25,380,688,948 | 177,664,823 |
| 9/25/80 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 7/27/81 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 7/30/81 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 9/30/81 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/18/81 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 6/20/82 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 9/11/84 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 6/30/85 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 7/13/85 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/6/88 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 9/19/90 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 9/30/92 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/16/92 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/25/92 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 8/6/93 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 8/7/93 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/16/93 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 5/25/98 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/27/98 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/14/98 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/15/98 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 10/16/98 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 8/25/06 | 8.10 | 71.600 | 2.6259 | 0.00 | 25,697,947,560 | 0 |
| 9/11/08 | 8.10 | 71.600 | 2.6259 | 0.50 | 25,697,947,560 | 128,489,738 |
| 6/11/82 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 9/13/84 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 7/16/85 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/2/86 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 9/4/86 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 9/20/86 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/19/90 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/20/90 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 10/2/95 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 10/10/95 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 10/5/96 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 7/3/97 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/30/97 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/31/97 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 10/5/97 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/10/98 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 10/1/03 | 8.20 | 71.100 | 2.6583 | 0.00 | 26,015,206,172 | 0 |
| 8/23/07 | 8.20 | 71.100 | 2.6583 | 0.30 | 26,015,206,172 | 78,045,619 |
| 7/5/82 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 9/23/82 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/28/90 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 10/21/90 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/29/93 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 10/14/93 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 9/9/94 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 9/6/96 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/29/97 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 5/23/98 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 5/24/98 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 6/1/01 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/26/03 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/1/06 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 10/26/08 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 6/16/09 | 8.30 | 70.800 | 2.6907 | 0.00 | 26,332,464,784 | 0 |
| 8/29/09 | 8.30 | 70.800 | 2.6907 | 0.30 | 26,332,464,784 | 78,997,394 |
| 7/12/80 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 9/9/80 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 7/3/85 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 7/29/85 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/21/85 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 8/25/86 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 9/18/93 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 6/6/98 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 8/3/99 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 10/15/02 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 8/25/03 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 10/1/04 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 6/14/05 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 7/31/05 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 6/15/06 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 7/12/06 | 8.40 | 70.500 | 2.7232 | 0.00 | 26,649,723,396 | 0 |
| 7/27/06 | 8.40 | 70.500 | 2.7232 | 0.40 | 26,649,723,396 | 106,598,894 |
| 6/10/82 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/5/93 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/10/93 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/30/93 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 9/20/94 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/29/95 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 7/3/96 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 9/3/97 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 5/22/98 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 10/27/98 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 7/14/00 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/13/01 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/17/01 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 7/6/02 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 10/17/03 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 9/12/04 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 10/6/05 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 6/18/06 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 8/6/06 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 6/25/08 | 8.50 | 70.100 | 2.7556 | 0.00 | 26,966,982,007 | 0 |
| 9/12/08 | 8.50 | 70.100 | 2.7556 | 0.40 | 26,966,982,007 | 107,867,928 |
| 6/17/82 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 7/23/84 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 9/10/84 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 8/24/86 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 8/26/86 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 9/3/86 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 8/18/90 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 9/18/90 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 8/16/93 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 8/26/93 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 10/21/97 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/18/03 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 10/19/07 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 6/16/08 | 8.60 | 69.700 | 2.7880 | 0.00 | 27,284,240,619 | 0 |
| 7/9/09 | 8.60 | 69.700 | 2.7880 | 0.30 | 27,284,240,619 | 81,852,722 |
| 9/29/92 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 9/28/95 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 10/9/95 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 8/28/97 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 10/4/97 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 10/2/98 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 10/13/98 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 7/4/02 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 9/25/02 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 6/5/03 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 9/17/07 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 6/6/08 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 6/8/08 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 8/22/08 | 8.70 | 69.400 | 2.8204 | 0.00 | 27,601,499,231 | 0 |
| 9/22/09 | 8.70 | 69.400 | 2.8204 | 0.30 | 27,601,499,231 | 82,804,498 |
| 7/11/80 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 10/20/81 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 8/3/84 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 6/29/85 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 7/4/85 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 9/1/92 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 9/2/92 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 9/18/92 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 9/19/92 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 10/21/92 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 7/22/01 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 6/10/02 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 6/19/02 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 10/29/03 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 6/18/08 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 6/15/09 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 7/18/09 | 8.80 | 69.100 | 2.8528 | 0.00 | 27,918,757,843 | 0 |
| 7/26/09 | 8.80 | 69.100 | 2.8528 | 0.30 | 27,918,757,843 | 83,756,274 |
| 7/22/80 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/22/81 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/1/86 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/23/86 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/19/86 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/14/92 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/9/93 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/24/93 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/21/93 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 5/21/98 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/2/99 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/7/99 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/8/99 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/28/03 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 8/12/07 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/3/07 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 6/7/08 | 8.90 | 68.800 | 2.8853 | 0.00 | 28,236,016,455 | 0 |
| 9/25/08 | 8.90 | 68.800 | 2.8853 | 0.40 | 28,236,016,455 | 112,944,066 |
| 9/9/81 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 6/9/82 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/28/85 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 8/15/85 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 10/6/85 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/17/90 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 8/24/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 8/31/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/13/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/16/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/17/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/28/92 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 9/8/94 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 5/19/96 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 6/7/96 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/2/96 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/22/96 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/28/96 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/15/97 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 10/3/97 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 10/12/97 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 5/24/01 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 6/4/01 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/23/01 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 8/7/01 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 6/14/02 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 7/31/02 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 8/1/03 | 9.00 | 68.400 | 2.9177 | 0.00 | 28,553,275,067 | 0 |
| 10/16/03 | 9.00 | 68.400 | 2.9177 | 0.50 | 28,553,275,067 | 142,766,375 |
| 10/19/81 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 7/20/84 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 7/21/84 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 9/9/84 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 9/2/86 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 8/30/92 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/25/93 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 10/30/93 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 9/4/95 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 8/14/96 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 10/4/96 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 8/15/97 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 10/1/98 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 10/26/98 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 6/11/03 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 9/30/03 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 7/13/05 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 6/26/06 | 9.10 | 67.900 | 2.9501 | 0.00 | 28,870,533,679 | 0 |
| 9/27/06 | 9.10 | 67.900 | 2.9501 | 0.40 | 28,870,533,679 | 115,482,135 |
| 7/27/80 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/5/82 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 7/22/84 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/29/84 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/30/84 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 7/10/85 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/15/90 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/23/92 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 9/12/92 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 9/15/92 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 9/27/92 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/4/93 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 10/25/93 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 8/13/96 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 10/2/97 | 9.20 | 67.500 | 2.9825 | 0.00 | 29,187,792,290 | 0 |
| 10/14/02 | 9.20 | 67.500 | 2.9825 | 0.30 | 29,187,792,290 | 87,563,377 |
| 8/22/86 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/27/86 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 10/14/89 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/21/92 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/22/92 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/28/92 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/29/92 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/15/93 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/4/96 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/4/99 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 7/21/01 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/6/01 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/10/01 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 6/4/03 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 6/6/03 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 8/12/05 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/14/06 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 7/23/06 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 9/14/07 | 9.30 | 67.200 | 3.0149 | 0.00 | 29,505,050,902 | 0 |
| 6/14/09 | 9.30 | 67.200 | 3.0149 | 0.40 | 29,505,050,902 | 118,020,204 |
| 7/10/80 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 7/21/81 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 6/8/82 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 10/15/89 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 8/20/92 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 9/10/92 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 8/11/93 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 9/19/94 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 9/27/95 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 5/20/98 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 8/14/01 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 6/9/02 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 9/30/04 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 10/5/05 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 9/8/08 | 9.40 | 66.800 | 3.0474 | 0.00 | 29,822,309,514 | 0 |
| 10/25/08 | 9.40 | 66.800 | 3.0474 | 0.30 | 29,822,309,514 | 89,466,929 |
| 8/2/84 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 8/17/90 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 10/26/90 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 8/19/92 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 9/11/92 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 7/28/93 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 8/3/93 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 10/13/93 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 9/15/94 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 8/28/95 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 7/1/96 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 7/2/97 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 10/1/97 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 10/19/98 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 6/26/02 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 7/3/02 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 9/11/04 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 6/20/05 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 6/5/08 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 6/26/08 | 9.50 | 66.500 | 3.0798 | 0.00 | 30,139,568,126 | 0 |
| 8/22/09 | 9.50 | 66.500 | 3.0798 | 0.40 | 30,139,568,126 | 120,558,273 |
| 7/19/84 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 9/1/84 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 7/27/85 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 9/18/86 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/23/97 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 5/27/01 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 8/15/01 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 8/16/01 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 6/13/05 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 6/25/06 | 9.60 | 66.100 | 3.1122 | 0.00 | 30,456,826,738 | 0 |
| 6/15/08 | 9.60 | 66.100 | 3.1122 | 0.20 | 30,456,826,738 | 60,913,653 |
| 7/9/80 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/4/80 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 10/13/89 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/13/90 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/27/90 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/27/92 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 9/21/92 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 7/29/93 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/2/93 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 7/29/94 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 9/6/97 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 10/9/97 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 10/20/97 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 6/10/98 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 8/1/99 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 7/22/02 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 7/31/03 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 5/28/05 | 9.70 | 65.900 | 3.1446 | 0.00 | 30,774,085,350 | 0 |
| 9/10/08 | 9.70 | 65.900 | 3.1446 | 0.40 | 30,774,085,350 | 123,096,341 |
| 8/10/81 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 10/13/81 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 6/28/85 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 7/31/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/20/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/21/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/28/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/1/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/28/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/29/86 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/12/90 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/21/90 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/18/92 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/20/92 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/22/92 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 9/30/97 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 5/19/98 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/9/98 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/23/01 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/13/02 | 9.80 | 65.500 | 3.1770 | 0.00 | 31,091,343,961 | 0 |
| 8/5/09 | 9.80 | 65.500 | 3.1770 | 0.40 | 31,091,343,961 | 124,365,376 |
| 7/27/82 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 9/16/90 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 10/8/95 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 6/8/02 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 6/20/02 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 6/27/02 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 8/21/03 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 7/25/07 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 8/22/07 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 8/24/08 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 8/26/08 | 9.90 | 65.100 | 3.2094 | 0.00 | 31,408,602,573 | 0 |
| 9/21/09 | 9.90 | 65.100 | 3.2094 | 0.20 | 31,408,602,573 | 62,817,205 |
| 7/29/81 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/7/82 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/16/82 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/29/83 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/30/83 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/31/83 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/15/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/16/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/17/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/18/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/28/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/2/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/8/84 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/27/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/6/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/9/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/26/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/7/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/11/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/17/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/20/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/13/85 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/10/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/30/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/31/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/17/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/27/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/30/86 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/8/89 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/9/89 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/10/89 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/11/89 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/12/89 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/17/92 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/9/92 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/26/92 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/27/93 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/30/93 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/22/93 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/28/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/30/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/20/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/7/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/13/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/14/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/15/94 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/28/95 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 5/18/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/6/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/30/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/13/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/21/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/27/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/5/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/3/96 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/27/97 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/29/97 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/11/97 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 5/16/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 5/18/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/18/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/30/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/12/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/25/98 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/31/99 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/12/99 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/26/00 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/13/00 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 5/21/01 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/26/01 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/20/01 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/7/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/11/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/21/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/28/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/30/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/23/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/13/02 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/3/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/17/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/22/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/24/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/29/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/15/03 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 5/27/05 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/12/05 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/30/05 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/4/05 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/11/07 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/15/07 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/4/08 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/30/08 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/23/08 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/24/08 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 6/13/09 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 7/23/09 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 8/28/09 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 9/24/09 | 10.00 | 64.900 | 3.2419 | 0.00 | 31,725,861,185 | 0 |
| 10/1/09 | 10.00 | 64.900 | 3.2419 | 1.90 | 31,725,861,185 | 602,791,363 |
| 7/8/80 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/26/80 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/28/80 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/1/80 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/2/80 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/28/81 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/31/81 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/8/81 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/21/81 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/5/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/6/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/26/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/27/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/4/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/7/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/12/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/20/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/22/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/16/82 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/31/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/1/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/2/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/4/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/7/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/8/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/9/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/10/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/11/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/12/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/14/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/17/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/27/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/28/83 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/13/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/14/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/1/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/25/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/26/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/27/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/31/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/3/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/4/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/3/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/4/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/5/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/6/84 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/26/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/14/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/10/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/14/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/10/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/5/85 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/20/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/30/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/9/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/19/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/29/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/16/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/26/86 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/5/88 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/6/89 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/7/89 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/1/90 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/6/90 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/11/90 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/16/90 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/15/90 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/10/92 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/16/92 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/25/92 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/20/92 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/24/93 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/25/93 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/26/93 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/1/93 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/14/93 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/27/94 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/2/94 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/19/94 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/27/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/12/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/13/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/24/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/26/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/27/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/3/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/26/95 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/10/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/17/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/29/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/20/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/3/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/11/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/12/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/31/96 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/1/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/14/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/2/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/14/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/27/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/2/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/28/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/19/97 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/13/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/14/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/15/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/17/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/29/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/3/98 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/30/99 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/6/99 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/7/99 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/27/00 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/12/00 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/20/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/2/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/14/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/25/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/19/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/22/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/5/01 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/4/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/5/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/6/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/12/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/2/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/14/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/24/02 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/1/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/2/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/10/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/29/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/30/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/23/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/14/03 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/4/04 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/10/04 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/29/04 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 10/24/04 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/25/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 5/26/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/12/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/18/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/4/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/28/05 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/13/06 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/19/06 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/24/06 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/11/06 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/28/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/29/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/30/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/26/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 7/27/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/10/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/18/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/16/07 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/3/08 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/13/08 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/14/08 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 9/13/08 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 6/12/09 | 11.00 | 63.000 | 3.5661 | 0.00 | 34,898,447,304 | 0 |
| 8/21/09 | 11.00 | 63.000 | 3.5661 | 3.20 | 34,898,447,304 | 1,116,750,314 |
| 7/7/80 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/21/80 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/30/81 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/1/81 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/20/81 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/12/81 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/4/82 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/4/82 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/28/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/30/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/2/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/3/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/5/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/6/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/13/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/15/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/16/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/18/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/19/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/26/83 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/11/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/12/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/22/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/24/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/7/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/2/84 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/7/85 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/8/85 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/25/85 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/5/85 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/2/85 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/18/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/19/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/21/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/3/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/8/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/11/86 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/26/88 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/24/89 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/25/89 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/5/89 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/29/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/30/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/31/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/2/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/7/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/14/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/22/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/25/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/11/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/13/90 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/17/91 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/18/91 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/19/91 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/2/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/3/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/4/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/9/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/3/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/8/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/23/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/25/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/17/92 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/23/93 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/31/93 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/10/93 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/24/93 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/1/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/3/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/16/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/17/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/18/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/30/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/6/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/14/94 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/25/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/26/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/11/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/23/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/25/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/7/95 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/9/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/11/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/16/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/5/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/11/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/28/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/19/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/26/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/29/96 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/29/97 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/9/97 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/1/97 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/23/97 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/12/98 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/27/98 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/28/98 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/11/98 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/24/98 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/29/99 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/25/00 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/11/00 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/7/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/8/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/19/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/26/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/18/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/5/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/8/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/9/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/4/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/6/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/7/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/10/01 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/26/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/27/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/28/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/29/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/3/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/29/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/29/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/12/02 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/31/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/28/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/16/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/8/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/20/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/28/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/10/03 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/2/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/3/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/5/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/6/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/7/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/8/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/9/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/21/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/22/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/23/04 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 5/24/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/16/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/29/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/5/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/11/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/27/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 10/3/05 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/12/06 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/20/06 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/29/06 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/31/06 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/24/06 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/27/07 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 7/24/07 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 8/9/07 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/2/08 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/23/08 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/27/08 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/23/08 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/10/09 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 6/11/09 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/20/09 | 12.00 | 59.800 | 3.8902 | 0.00 | 38,071,033,422 | 0 |
| 9/30/09 | 12.00 | 59.800 | 3.8902 | 3.20 | 38,071,033,422 | 1,218,273,070 |
| 7/6/80 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/29/80 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/3/80 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/22/80 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/7/81 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/8/81 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/2/82 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/3/82 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/25/82 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/1/82 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/11/82 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/29/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/8/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/30/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/1/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/22/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/25/83 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/10/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/26/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/4/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/21/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/23/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/5/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/21/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/1/84 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/8/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/9/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/10/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/18/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/25/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/24/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/4/85 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/17/86 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/29/86 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/18/86 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/25/86 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/22/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/23/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/26/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/27/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/28/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/29/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/30/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/3/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/4/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/27/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/28/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/29/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/30/89 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/4/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/5/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/10/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/24/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/26/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/14/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/25/90 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/8/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/9/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/10/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/11/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/14/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/15/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/16/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/20/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/21/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/22/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/23/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/24/91 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/16/92 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/1/92 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/5/92 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/15/92 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/26/92 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/22/93 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/31/93 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/26/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/31/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/4/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/29/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/31/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/12/94 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/10/95 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/22/95 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/25/95 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/8/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/12/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/24/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/25/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/27/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/18/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/4/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/2/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/30/96 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/30/97 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/10/97 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/18/97 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/11/98 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/9/98 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/26/98 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/28/99 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/5/99 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/24/00 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/6/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/10/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/3/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/21/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/17/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/18/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/3/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/8/01 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/24/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/25/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/30/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/31/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/23/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/1/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/21/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/21/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/22/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/4/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/11/02 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/9/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/25/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/7/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/19/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/21/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/27/03 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/18/04 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/19/04 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/1/04 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/24/04 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/20/04 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/23/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 5/29/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/4/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/11/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/19/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/11/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/15/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 10/2/05 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/6/06 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/23/06 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/20/06 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/8/07 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/21/07 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 6/1/08 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 9/7/08 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/9/09 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/7/09 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/8/09 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 7/25/09 | 13.00 | 56.600 | 4.2144 | 0.00 | 41,243,619,541 | 0 |
| 8/4/09 | 13.00 | 56.600 | 4.2144 | 2.90 | 41,243,619,541 | 1,196,064,967 |
| 7/5/80 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/25/80 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/31/80 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/19/81 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/1/81 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/20/81 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/25/82 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/3/82 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/15/82 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/27/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/7/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/18/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/29/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/20/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/21/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/23/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/24/83 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/8/84 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/20/84 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/30/84 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/6/85 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/7/85 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/17/85 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/23/85 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/1/85 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/16/86 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/16/86 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/17/86 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/6/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/20/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/21/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/1/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/2/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/25/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/26/89 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/28/90 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/3/90 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/23/90 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/12/90 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/22/90 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/7/91 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/12/91 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/13/91 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/25/91 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/13/92 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/14/92 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/15/92 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/30/92 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/12/93 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/15/94 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/9/94 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/24/95 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/3/95 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/7/96 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/15/96 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/23/96 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/26/96 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/26/96 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/15/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/16/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/17/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/18/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/19/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/26/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/4/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/5/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/27/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/31/97 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/10/98 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/17/98 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/4/98 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/20/98 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/23/98 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/6/99 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/11/99 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/3/00 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/15/00 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/16/00 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/17/00 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/18/00 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/5/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/18/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/22/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/23/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/24/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/16/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/1/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/19/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/20/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/2/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/9/01 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/23/02 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/1/02 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/2/02 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/30/02 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/30/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/12/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/24/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/26/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/27/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/15/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/13/03 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/17/04 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/31/04 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/28/04 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/2/04 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 10/19/04 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/21/05 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 5/22/05 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/21/05 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/6/05 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/26/05 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/5/06 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/11/06 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/10/06 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/26/07 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 7/23/07 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/12/08 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/28/08 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/25/08 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/22/08 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/2/09 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 6/3/09 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/19/09 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 8/20/09 | 14.00 | 53.700 | 4.5386 | 0.00 | 44,416,205,659 | 0 |
| 9/19/09 | 14.00 | 53.700 | 4.5386 | 2.50 | 44,416,205,659 | 1,110,405,141 |
| 7/4/80 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/31/80 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/1/81 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/1/81 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/7/81 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/9/81 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/1/82 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/2/82 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/8/82 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/5/83 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/6/83 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/17/83 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/28/83 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/2/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/5/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/6/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/27/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/31/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/8/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/19/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/29/84 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/4/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/5/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/16/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/19/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/23/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/24/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/3/85 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/15/86 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/28/86 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/7/86 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/15/86 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/15/86 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/4/88 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/5/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/7/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/19/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/23/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/24/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/31/89 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/18/90 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/19/90 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/2/91 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/3/91 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/4/91 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/6/91 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/26/91 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/12/92 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/31/92 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/8/92 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/24/92 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/19/92 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/21/93 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/7/94 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/24/94 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/25/94 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/28/94 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/5/94 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/29/95 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/29/95 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/9/95 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/18/95 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/6/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/22/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/17/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/25/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/2/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/9/96 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/13/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/14/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/25/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/26/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/1/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/13/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/30/97 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/7/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/8/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/9/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/7/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/25/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/10/98 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/26/99 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/27/99 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/4/99 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/5/99 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/9/99 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/1/00 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/2/00 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/4/00 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/14/00 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/8/00 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/4/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/13/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/20/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/25/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/26/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/17/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/21/01 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/17/02 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/22/02 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/20/02 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/28/02 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/25/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/26/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/27/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/28/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/29/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/18/03 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/16/04 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/20/04 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/30/04 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/18/04 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 10/31/04 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/19/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/20/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/3/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/7/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/28/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/7/05 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/27/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/28/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/29/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 5/30/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/4/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/10/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/22/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 7/30/06 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/9/07 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/7/07 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 8/17/07 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/1/09 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 6/8/09 | 15.00 | 51.200 | 4.8628 | 0.00 | 47,588,791,778 | 0 |
| 9/29/09 | 15.00 | 51.200 | 4.8628 | 2.50 | 47,588,791,778 | 1,189,719,794 |
| 7/3/80 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/23/80 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/25/81 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/31/81 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/3/82 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/21/82 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/26/83 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/27/83 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/26/84 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/27/84 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/1/84 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/3/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/20/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/22/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/19/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/9/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/19/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/30/85 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/24/86 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/25/86 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/14/86 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/31/88 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/4/89 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/18/89 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/22/89 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/17/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/20/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/21/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/22/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/23/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/27/90 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/30/91 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/1/91 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/5/91 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/27/91 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/28/91 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/11/92 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/11/92 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/7/92 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/10/93 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/11/93 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/6/94 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/8/94 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/15/94 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/14/94 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/27/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/28/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/13/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/14/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/23/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/7/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/8/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/2/95 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/4/96 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/14/96 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/15/96 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/30/96 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/29/96 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/12/97 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/24/97 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/23/97 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/5/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/6/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/8/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/16/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/24/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/5/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/6/98 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/21/99 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/1/00 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/10/00 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/19/00 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/23/00 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/9/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/25/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/6/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/4/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/16/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/1/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/11/01 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/14/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/15/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/16/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/22/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/20/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/23/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/10/02 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/24/03 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/7/03 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/23/03 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/14/03 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 9/26/03 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 8/15/04 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/17/04 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 10/25/04 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/18/05 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/5/05 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/14/05 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/17/05 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/25/06 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/26/06 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/9/06 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/21/07 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/25/07 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 7/22/07 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/28/08 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/31/08 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/11/08 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/24/08 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 5/31/09 | 16.00 | 48.700 | 5.1870 | 0.00 | 50,761,377,896 | 0 |
| 6/4/09 | 16.00 | 48.700 | 5.1870 | 2.20 | 50,761,377,896 | 1,116,750,314 |
| 7/2/80 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/24/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/29/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/2/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/30/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/9/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/11/81 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/31/82 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/26/82 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/29/83 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/29/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/30/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/4/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/7/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/9/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/6/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/28/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/7/84 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/2/85 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/18/85 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/13/85 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/16/86 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/17/86 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/24/86 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/3/89 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/17/89 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/13/90 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/16/90 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/9/90 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/25/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/26/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/10/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/17/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/30/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/14/92 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/9/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/19/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/10/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/11/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/15/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/20/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/12/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/13/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/11/93 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/5/94 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/14/94 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/24/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/25/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/26/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/30/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/6/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/21/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/24/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/6/95 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/5/96 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/21/96 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/14/96 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/24/96 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/25/96 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/10/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/11/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/23/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/13/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/17/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/29/97 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/4/98 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/20/99 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/22/99 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/4/99 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/25/99 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/13/00 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/20/00 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/10/00 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/3/01 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/11/01 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/17/01 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/14/01 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/15/01 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/11/02 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/12/02 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/13/02 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/24/02 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/22/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/23/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/8/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/6/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/11/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/11/03 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/11/04 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/29/04 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/16/04 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/30/04 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/17/05 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/2/05 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/10/05 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 10/1/05 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/24/06 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/3/06 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 7/9/06 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/24/06 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/20/07 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/28/07 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/8/07 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 6/14/07 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 8/6/07 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/27/08 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/30/08 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/21/08 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 5/30/09 | 17.00 | 46.500 | 5.5112 | 0.00 | 53,933,964,015 | 0 |
| 9/12/09 | 17.00 | 46.500 | 5.5112 | 2.10 | 53,933,964,015 | 1,132,613,244 |
| 7/18/81 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/2/81 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/30/82 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/9/82 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 10/15/82 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/25/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/28/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/30/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/4/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/16/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/26/83 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/24/84 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/28/84 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/9/84 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/10/84 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/18/84 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/1/85 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/11/85 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/21/85 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/15/86 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/14/86 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/16/89 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 10/21/89 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/12/90 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/24/90 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/24/91 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/29/91 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/24/92 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/9/92 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/19/92 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/20/92 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/8/93 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/18/93 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/9/93 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/30/94 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/23/94 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/27/94 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 10/11/94 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/22/95 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/23/95 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/12/95 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/22/95 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/4/96 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/14/96 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/16/96 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/25/96 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/27/96 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/22/97 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/28/97 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/3/98 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/14/98 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/23/98 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 10/21/98 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 10/22/98 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/3/99 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/5/99 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/31/00 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/11/00 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/22/01 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/19/01 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/24/01 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/28/01 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/31/01 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/10/02 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/19/02 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/18/02 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/21/03 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/18/03 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/22/03 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/10/04 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/28/04 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/9/05 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/8/05 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/9/05 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/23/06 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/1/06 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/22/07 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 7/21/07 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/20/07 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 5/29/08 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 9/6/08 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/5/09 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 6/7/09 | 18.00 | 44.400 | 5.8354 | 0.00 | 57,106,550,133 | 0 |
| 8/3/09 | 18.00 | 44.400 | 5.8354 | 1.70 | 57,106,550,133 | 970,811,352 |
| 7/1/80 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/2/81 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/21/82 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/24/82 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/30/82 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/10/82 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/19/83 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/23/84 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/25/84 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/7/84 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/31/85 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/23/86 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/13/86 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/25/86 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/27/86 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/30/88 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/29/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/30/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/31/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/1/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/2/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/8/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/15/89 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/11/90 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/6/91 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/7/91 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/23/91 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/18/92 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/7/93 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/23/93 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/29/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/1/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/4/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/13/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/5/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/13/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/13/94 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/21/95 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/5/95 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/12/96 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/3/96 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/1/96 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/9/97 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/22/98 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/24/99 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/25/99 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/19/99 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/10/99 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/9/00 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/21/00 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/7/00 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/2/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/23/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/13/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/27/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/15/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/30/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/31/01 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/9/02 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/21/02 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/27/02 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/16/02 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/19/02 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/20/03 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/17/03 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/9/04 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/14/04 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/27/04 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/3/04 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 10/29/04 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/15/05 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/16/05 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/30/05 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/8/05 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 8/10/05 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/22/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/31/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/2/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/21/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/22/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 7/4/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 9/26/06 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/19/07 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/29/07 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/15/07 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/26/08 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/29/08 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/23/09 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 5/29/09 | 19.00 | 42.700 | 6.1595 | 0.00 | 60,279,136,252 | 0 |
| 6/6/09 | 19.00 | 42.700 | 6.1595 | 1.70 | 60,279,136,252 | 1,024,745,316 |
| 7/30/80 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/21/80 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/23/81 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/19/81 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/12/83 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/20/83 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/21/83 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/27/83 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/3/84 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/30/84 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/17/84 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/30/85 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/15/85 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/12/85 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/29/85 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/14/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/30/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/4/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/23/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/12/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/13/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/21/86 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/27/88 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/9/89 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/10/90 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/25/90 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/24/90 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/5/91 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/18/91 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/28/91 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/23/92 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/8/92 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/29/92 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/7/92 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/13/92 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/6/93 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/8/93 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/22/94 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/21/94 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/4/94 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/20/95 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/11/95 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/19/95 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 9/1/95 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/3/96 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/24/96 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/2/98 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/23/99 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/6/99 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/2/99 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/16/99 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/30/00 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/30/01 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/30/03 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/4/03 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/29/03 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/31/03 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/12/03 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/4/04 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 10/15/04 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 6/6/05 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/5/05 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 7/27/05 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/25/05 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/21/06 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/17/07 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/18/07 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/27/07 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 8/5/07 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/11/08 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/12/08 | 20.00 | 41.000 | 6.4837 | 0.00 | 63,451,722,370 | 0 |
| 5/13/08 | 20.00 | 41.000 | 6.4837 | 1.40 | 63,451,722,370 | 888,324,113 |
| 5/26/81 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/6/81 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 10/10/81 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/29/82 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/3/83 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/9/83 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/25/83 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/29/84 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/27/84 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/22/85 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/28/89 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/14/89 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/9/90 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/14/90 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/26/90 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 10/23/90 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/8/91 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/17/91 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/22/91 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/21/92 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/21/92 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/4/92 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 10/18/92 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/5/93 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/17/93 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/14/93 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/19/93 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/19/95 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/21/95 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/17/95 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/3/96 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/13/96 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/20/96 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/24/97 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/28/97 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/22/99 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/24/99 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/5/00 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/1/01 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 10/29/01 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/8/02 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/15/02 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/17/02 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/17/03 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/13/03 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/30/03 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/25/03 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/25/04 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/8/04 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/12/04 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 8/27/04 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/14/05 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/8/06 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/21/06 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 6/24/07 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/2/07 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 7/14/07 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/10/08 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 9/20/08 | 21.00 | 39.600 | 6.8079 | 0.00 | 66,624,308,489 | 0 |
| 5/22/09 | 21.00 | 39.600 | 6.8079 | 1.20 | 66,624,308,489 | 799,491,702 |
| 6/30/80 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/24/80 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/19/80 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/28/82 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/13/82 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/11/83 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/13/83 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/14/83 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/19/83 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/5/84 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/22/84 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/29/85 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/12/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/13/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/5/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/3/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 8/4/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 8/6/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 9/23/86 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/27/89 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/20/89 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/15/90 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 8/4/91 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/20/92 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/22/92 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 9/5/92 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/4/93 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/7/93 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/28/94 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/12/94 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/19/94 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/18/95 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/1/95 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/4/95 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/18/95 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/29/96 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/8/97 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/21/97 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 9/26/97 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/13/97 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 9/21/98 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/9/98 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/21/99 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/5/99 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/22/99 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/23/99 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/29/00 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/22/00 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/1/00 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/12/01 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/7/02 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 10/9/02 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/19/03 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/29/03 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/2/03 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/21/03 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 8/12/03 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/24/04 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/26/04 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/31/04 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 8/13/04 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/1/05 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/20/06 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/16/07 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/7/07 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 6/10/07 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/15/07 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 7/20/07 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/22/08 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/25/08 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 5/28/09 | 22.00 | 38.400 | 7.1321 | 0.00 | 69,796,894,607 | 0 |
| 9/18/09 | 22.00 | 38.400 | 7.1321 | 1.40 | 69,796,894,607 | 977,156,525 |
| 5/28/81 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/22/81 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/6/81 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/27/82 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/10/83 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/24/83 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/4/84 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/12/85 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 10/15/85 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/11/86 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/22/86 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/13/89 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/26/89 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/8/90 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/8/90 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/23/91 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/24/91 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/3/91 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/16/91 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/19/92 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/7/92 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/6/92 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/3/94 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/7/94 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/27/95 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/17/95 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/10/96 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 8/12/97 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/1/98 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 10/7/98 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/20/99 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/7/99 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/18/99 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/15/99 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/28/00 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/18/01 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/14/01 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/29/01 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 10/28/01 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/5/02 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/6/02 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/22/02 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/18/03 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/1/03 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/3/03 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/23/04 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/30/04 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/13/05 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/10/05 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/19/05 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/20/05 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 7/8/06 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 6/3/07 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/21/08 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 5/21/09 | 23.00 | 37.000 | 7.4563 | 0.00 | 72,969,480,726 | 0 |
| 9/28/09 | 23.00 | 37.000 | 7.4563 | 1.10 | 72,969,480,726 | 802,664,288 |
| 6/29/80 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/23/81 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/17/81 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/3/81 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/26/82 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/18/83 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/24/83 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/25/83 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/31/83 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/15/83 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/3/84 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/13/85 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/28/85 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/10/86 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/6/86 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/12/86 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/24/86 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/14/86 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/14/89 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/21/89 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/25/89 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/7/90 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/22/91 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/28/91 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/29/91 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/12/92 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/3/93 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/6/93 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/11/94 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/21/94 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/10/95 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/17/95 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/20/95 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/13/96 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/7/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/14/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/15/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/16/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/12/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/25/97 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/19/99 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/8/99 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/1/99 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/21/99 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/12/01 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/2/01 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/4/02 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/18/02 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/16/02 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/19/02 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 10/7/02 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/17/03 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/19/03 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/5/03 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/22/04 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/1/04 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/7/04 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 10/28/04 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/8/05 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/18/05 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 9/28/05 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/19/06 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/7/06 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/3/06 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 8/23/06 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 6/13/07 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 7/16/07 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 5/9/08 | 24.00 | 35.900 | 7.7805 | 0.00 | 76,142,066,844 | 0 |
| 10/9/09 | 24.00 | 35.900 | 7.7805 | 1.30 | 76,142,066,844 | 989,846,869 |
| 10/28/80 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/22/81 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/27/81 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/14/82 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/9/83 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/12/83 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/18/84 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/16/84 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/12/85 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/9/86 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/22/89 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/23/89 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/24/89 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/13/89 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/25/90 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/26/90 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/21/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/25/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/2/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/27/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/21/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/27/91 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/23/92 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/18/92 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/16/93 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/27/94 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/10/94 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/6/94 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/26/94 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/25/95 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/16/95 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 8/4/95 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/13/97 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 10/16/97 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/26/99 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/4/99 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/9/99 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/8/00 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/12/00 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/29/00 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/30/01 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/20/02 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/18/02 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 10/6/02 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/15/03 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/16/03 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 6/28/03 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/22/03 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/26/04 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 10/14/04 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/7/05 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 9/29/05 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/2/07 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/15/07 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/26/07 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/3/07 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/24/08 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 5/27/09 | 25.00 | 34.600 | 8.1047 | 0.00 | 79,314,652,963 | 0 |
| 7/24/09 | 25.00 | 34.600 | 8.1047 | 1.10 | 79,314,652,963 | 872,461,183 |
| 6/28/80 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/20/80 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/25/82 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/15/83 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/17/83 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/23/83 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 9/24/83 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/2/84 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/17/84 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/21/84 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/28/84 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/12/85 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/29/86 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/7/86 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 10/29/88 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/12/89 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/15/89 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/16/89 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 10/16/89 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/24/90 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/6/90 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/20/91 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 9/15/91 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 9/25/91 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/22/92 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/24/92 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/17/92 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/22/92 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/28/92 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/20/93 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/20/94 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/12/94 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/24/95 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/26/95 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 9/23/95 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/12/97 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/18/99 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/27/00 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/3/01 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 10/26/01 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 10/27/01 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/3/02 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/25/02 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/26/02 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/14/03 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/16/03 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/21/04 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/29/04 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/6/04 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/21/04 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/6/05 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/31/05 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/18/06 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/12/07 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 6/21/07 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/13/07 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/4/07 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 8/19/07 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 5/8/08 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 7/30/09 | 26.00 | 33.500 | 8.4288 | 0.00 | 82,487,239,081 | 0 |
| 9/13/09 | 26.00 | 33.500 | 8.4288 | 1.20 | 82,487,239,081 | 989,846,869 |
| 6/21/81 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/23/82 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/28/82 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/16/83 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/22/83 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 9/11/83 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/17/84 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/16/84 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 8/6/84 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 10/8/84 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/7/85 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/8/85 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/20/85 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/8/86 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/4/86 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/22/86 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/26/86 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/23/90 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/19/91 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 8/26/91 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 9/14/91 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/21/92 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/6/92 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/5/93 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/28/95 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/15/95 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/2/96 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/31/96 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/19/96 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 8/1/96 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 10/28/96 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 6/11/97 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/9/97 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/17/99 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/19/00 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/12/01 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/13/03 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 9/16/03 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 7/27/04 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 8/23/04 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 8/26/04 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/5/05 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/12/05 | 27.00 | 32.300 | 8.7530 | 0.00 | 85,659,825,200 | 0 |
| 5/20/08 | 27.00 | 32.300 | 8.7530 | 0.90 | 85,659,825,200 | 770,938,427 |
| 10/20/80 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 10/30/80 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/25/81 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/4/81 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 8/13/82 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/8/83 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 8/26/83 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/19/84 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/1/84 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/26/84 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/20/85 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 8/18/85 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/7/86 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/2/86 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/22/86 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/11/89 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 8/14/89 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 8/20/89 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/22/90 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/16/92 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/23/92 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/2/93 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/18/93 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/11/94 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/2/94 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/3/95 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/16/95 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/15/96 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/10/97 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/31/97 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/20/98 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/30/00 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/6/00 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/28/01 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 10/25/01 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/2/02 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/12/03 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/20/03 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/20/04 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/1/07 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/25/07 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 6/6/07 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/1/07 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/7/08 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/2/08 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 9/19/08 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 5/20/09 | 28.00 | 31.400 | 9.0772 | 0.00 | 88,832,411,318 | 0 |
| 7/31/09 | 28.00 | 31.400 | 9.0772 | 0.90 | 88,832,411,318 | 799,491,702 |
| 5/24/82 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/16/84 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/27/85 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 7/5/86 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/4/89 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 8/13/89 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 8/17/89 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 10/19/89 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 7/18/91 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 8/1/91 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/20/92 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/25/92 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/12/94 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/1/94 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/3/94 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/10/94 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/23/95 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 7/20/95 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/23/96 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/6/97 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/9/97 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/9/99 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/3/99 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 7/14/99 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/26/00 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 10/24/01 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/1/02 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/20/02 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/11/03 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/26/03 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/27/03 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/10/03 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/4/05 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 9/30/05 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/17/06 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 5/14/07 | 29.00 | 30.500 | 9.4014 | 0.00 | 92,004,997,437 | 0 |
| 6/4/07 | 29.00 | 30.500 | 9.4014 | 0.70 | 92,004,997,437 | 644,034,982 |
| 6/20/80 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/29/81 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 9/18/81 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/6/84 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/7/84 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/6/85 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/11/85 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/8/85 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/6/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/21/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/31/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/26/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/28/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/11/86 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/10/89 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/25/89 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/26/89 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/12/89 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/18/89 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/21/90 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/5/90 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/17/91 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/25/91 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/26/91 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/11/92 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/31/93 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/4/93 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/13/93 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/16/94 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/26/94 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/16/95 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 10/5/95 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/30/96 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/2/96 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/20/97 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 10/27/97 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/16/99 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/30/99 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/20/99 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/18/00 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/13/01 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/16/01 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/27/01 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 9/13/01 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 9/28/01 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 9/9/03 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/19/04 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/24/04 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 8/25/04 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 9/25/04 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 7/7/06 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/30/07 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 6/23/07 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 5/23/08 | 30.00 | 29.800 | 9.7256 | 0.00 | 95,177,583,555 | 0 |
| 10/8/09 | 30.00 | 29.800 | 9.7256 | 1.10 | 95,177,583,555 | 1,046,953,419 |
| 6/19/80 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/27/80 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/19/80 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/14/81 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/15/81 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 10/14/82 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 8/22/83 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/15/84 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/18/84 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/14/85 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/26/86 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/27/86 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/24/89 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/11/89 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/20/90 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 9/13/91 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/9/92 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/10/92 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/12/92 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/26/92 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/15/92 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/23/93 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/30/93 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/15/93 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/10/94 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/29/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/10/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/11/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/14/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/9/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 8/31/95 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 10/8/98 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/8/99 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/9/00 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/11/01 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 10/23/01 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 9/21/02 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/10/03 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/9/03 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 9/24/03 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/28/04 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 8/5/04 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/26/05 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 6/2/07 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 7/19/07 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 5/6/08 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 8/2/09 | 31.00 | 28.700 | 10.0498 | 0.00 | 98,350,169,674 | 0 |
| 10/21/09 | 31.00 | 28.700 | 10.0498 | 0.90 | 98,350,169,674 | 885,151,527 |
| 9/5/81 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/22/82 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 10/12/82 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/7/83 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/23/83 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 9/1/83 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/5/84 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/31/84 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/14/84 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/9/85 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/19/85 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/5/86 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/1/86 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/3/89 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/22/89 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/23/89 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 8/10/89 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 8/24/91 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 9/19/91 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/16/92 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/12/93 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/18/94 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 9/11/94 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/22/95 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 10/4/95 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/18/96 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 9/2/96 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/10/99 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/2/00 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/7/01 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/9/03 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 6/25/03 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 7/18/04 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 10/8/04 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 10/13/04 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 8/9/05 | 32.00 | 27.800 | 10.3740 | 0.00 | 101,522,755,793 | 0 |
| 5/5/08 | 32.00 | 27.800 | 10.3740 | 0.70 | 101,522,755,793 | 710,659,291 |
| 6/18/80 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/21/80 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/21/81 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 8/8/81 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/6/83 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 7/7/83 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/20/84 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/5/85 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/21/85 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/14/85 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/28/86 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/29/86 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/30/86 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/1/89 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/19/90 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 8/9/91 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/8/92 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/19/92 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/3/92 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/24/93 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 7/2/95 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 8/19/95 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/1/96 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/8/97 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/27/99 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 7/13/99 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 6/7/00 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 7/6/01 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 10/22/01 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/8/03 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 8/22/04 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/3/05 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/11/05 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/16/06 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/13/07 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 7/4/07 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 5/2/08 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 9/5/08 | 33.00 | 27.100 | 10.6982 | 0.00 | 104,695,341,911 | 0 |
| 9/14/09 | 33.00 | 27.100 | 10.6982 | 0.80 | 104,695,341,911 | 837,562,735 |
| 6/17/80 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 10/18/80 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/12/82 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/23/82 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 8/17/83 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 8/18/83 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 9/2/83 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 9/14/83 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/14/84 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/15/84 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/4/86 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 8/9/89 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/29/90 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 7/4/90 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 7/16/91 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 8/23/91 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 10/29/91 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/22/93 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 5/29/93 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 7/3/93 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/9/95 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/16/99 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/6/00 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |
| 6/11/07 | 34.00 | 26.300 | 11.0223 | 0.00 | 107,867,928,030 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/19/08 | 34.00 | 26.300 | 11.0223 | 0.50 | 107,867,928,030 | 539,339,640 |
| 6/20/81 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/16/81 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/13/82 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/5/83 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/4/84 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 8/15/84 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/9/89 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 9/10/89 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 6/18/90 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/26/91 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 6/14/92 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/15/95 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 8/1/95 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/7/97 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/4/99 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/7/99 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/15/99 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/17/00 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/25/00 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/29/01 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/7/03 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 7/17/04 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/9/05 | 35.00 | 25.800 | 11.3465 | 0.00 | 111,040,514,148 | 0 |
| 5/1/08 | 35.00 | 25.800 | 11.3465 | 0.50 | 111,040,514,148 | 555,202,571 |
| 6/16/80 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/13/81 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 7/17/85 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/25/86 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/21/89 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 8/8/89 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/27/90 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/30/90 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 7/31/91 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/7/92 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/15/92 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/25/93 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/4/94 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/9/94 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/8/95 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/12/95 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 9/30/96 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 9/25/97 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/3/99 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/5/99 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/2/99 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 6/17/99 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 7/7/99 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 8/30/01 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 9/8/01 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 7/15/03 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/10/05 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/15/06 | 36.00 | 25.300 | 11.6707 | 0.00 | 114,213,100,267 | 0 |
| 5/24/07 | 36.00 | 25.300 | 11.6707 | 0.50 | 114,213,100,267 | 571,065,501 |
| 5/11/82 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 10/11/82 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/4/83 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 7/5/83 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 7/6/83 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 9/20/83 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/3/84 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/20/84 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 7/10/86 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 8/5/86 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 9/13/86 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/2/89 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/17/90 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/18/92 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/13/92 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/21/93 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/1/93 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/26/94 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/21/95 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/13/95 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/5/97 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 9/19/98 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/6/99 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 7/12/99 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 10/21/01 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 10/8/02 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/6/03 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 9/4/03 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/2/05 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 7/7/05 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/5/07 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 6/22/07 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 8/3/07 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 5/4/08 | 37.00 | 24.800 | 11.9949 | 0.00 | 117,385,686,385 | 0 |
| 10/20/09 | 37.00 | 24.800 | 11.9949 | 0.70 | 117,385,686,385 | 821,699,805 |
| 6/15/80 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/26/80 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/24/81 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/2/84 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/13/84 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/6/84 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/4/85 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/3/86 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/3/86 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/26/90 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 8/22/91 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/28/93 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/3/94 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/18/95 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/19/95 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 8/3/95 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/17/96 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/7/97 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 8/15/98 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/2/99 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/10/99 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 6/15/99 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 8/31/01 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 9/22/01 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 10/27/04 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 7/6/05 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 5/14/06 | 38.00 | 24.100 | 12.3191 | 0.00 | 120,558,272,504 | 0 |
| 7/12/07 | 38.00 | 24.100 | 12.3191 | 0.50 | 120,558,272,504 | 602,791,363 |
| 5/3/83 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 7/4/83 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/1/84 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/30/84 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/13/84 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/26/85 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 8/7/89 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 9/12/89 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 8/30/91 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/13/92 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/12/92 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/13/94 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/25/94 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 8/24/94 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 7/30/95 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/27/01 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/19/02 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/5/03 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/24/03 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 7/8/03 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 7/16/04 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 6/18/07 | 39.00 | 23.600 | 12.6433 | 0.00 | 123,730,858,622 | 0 |
| 5/19/09 | 39.00 | 23.600 | 12.6433 | 0.50 | 123,730,858,622 | 618,654,293 |
| 6/14/80 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 7/4/81 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/22/82 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 9/13/83 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 9/23/83 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/18/85 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/27/86 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 6/1/89 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 6/20/89 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/25/90 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 7/3/90 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 7/15/91 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 9/12/91 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/6/92 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 7/5/92 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/25/94 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 6/15/94 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 8/11/94 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 8/23/94 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/17/95 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/20/95 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 6/7/95 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 8/2/95 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 9/22/95 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/29/96 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 7/5/00 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 6/17/01 | 40.00 | 23.100 | 12.9675 | 0.00 | 126,903,444,741 | 0 |
| 5/26/09 | 40.00 | 23.100 | 12.9675 | 0.50 | 126,903,444,741 | 634,517,224 |
| 8/7/81 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 5/10/82 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 8/16/83 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 8/21/83 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 9/10/83 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 9/25/84 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 9/12/86 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 8/19/89 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 6/16/90 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 9/3/91 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 6/30/92 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 5/18/93 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/1/99 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 10/24/02 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 5/4/03 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 9/23/03 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 5/1/05 | 41.00 | 22.600 | 13.2916 | 0.00 | 130,076,030,859 | 0 |
| 5/24/09 | 41.00 | 22.600 | 13.2916 | 0.40 | 130,076,030,859 | 520,304,123 |
| 6/28/81 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/2/83 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/12/84 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/2/89 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 6/3/89 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 9/11/89 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/17/92 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 8/6/92 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/20/93 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/26/93 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 7/2/93 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 7/9/94 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 9/12/94 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 7/11/99 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/12/00 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 6/11/01 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 9/27/01 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 10/20/01 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 8/11/03 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 10/7/04 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 5/23/07 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 6/20/07 | 42.00 | 22.200 | 13.6158 | 0.00 | 133,248,616,978 | 0 |
| 7/28/07 | 42.00 | 22.200 | 13.6158 | 0.40 | 133,248,616,978 | 532,994,468 |
| 7/12/81 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/8/83 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 7/3/83 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/24/90 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 7/4/92 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 7/27/92 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 6/14/93 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/24/94 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 6/2/94 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 8/24/97 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/14/99 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 6/29/99 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/16/00 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 6/15/01 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 7/11/03 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 7/25/05 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 9/27/05 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 5/13/06 | 43.00 | 21.800 | 13.9400 | 0.00 | 136,421,203,096 | 0 |
| 9/18/08 | 43.00 | 21.800 | 13.9400 | 0.40 | 136,421,203,096 | 545,684,812 |
| 6/13/80 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 6/22/80 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/9/81 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 9/14/81 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 6/21/83 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/10/85 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/31/89 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 8/6/89 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/14/92 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 6/11/92 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 8/15/95 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 6/6/97 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 7/10/99 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/24/00 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 8/18/02 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/3/03 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 5/16/09 | 44.00 | 21.400 | 14.2642 | 0.00 | 139,593,789,215 | 0 |
| 9/27/09 | 44.00 | 21.400 | 14.2642 | 0.30 | 139,593,789,215 | 418,781,368 |
| 7/10/81 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/9/82 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/1/83 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/10/83 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 6/14/83 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 8/5/84 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/2/85 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 9/11/85 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 6/24/86 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 7/9/86 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 6/15/90 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 6/28/90 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 9/9/91 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/5/92 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 7/2/92 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/17/93 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 8/22/94 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 10/31/94 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 8/14/95 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 7/31/96 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 7/10/97 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 10/15/97 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 5/31/99 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 7/3/00 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/12/07 | 45.00 | 21.100 | 14.5884 | 0.00 | 142,766,375,333 | 0 |
| 9/17/09 | 45.00 | 21.100 | 14.5884 | 0.50 | 142,766,375,333 | 713,831,877 |
| 6/12/80 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/20/81 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/19/81 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 7/21/85 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 10/28/88 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 7/14/91 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 9/20/91 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/19/93 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/27/93 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/20/94 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 10/16/94 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/16/95 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/6/95 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/1/96 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/1/99 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/14/01 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 7/15/04 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 8/4/04 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 6/19/07 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 5/10/09 | 46.00 | 20.600 | 14.9126 | 0.00 | 145,938,961,452 | 0 |
| 10/7/09 | 46.00 | 20.600 | 14.9126 | 0.50 | 145,938,961,452 | 729,694,807 |
| 6/16/81 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 7/3/81 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 6/13/83 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/24/85 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 6/13/85 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 6/19/89 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 8/21/91 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/23/94 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 6/8/94 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/4/97 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/11/99 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 9/12/01 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/2/03 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 9/15/03 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 10/12/04 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/12/06 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 6/1/07 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 5/18/08 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 8/1/09 | 47.00 | 20.100 | 15.2368 | 0.00 | 149,111,547,570 | 0 |
| 10/19/09 | 47.00 | 20.100 | 15.2368 | 0.30 | 149,111,547,570 | 447,334,643 |
| 5/1/85 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 5/23/90 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/30/91 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 5/31/92 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 6/29/92 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 7/16/93 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 8/25/94 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 7/8/95 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 10/19/01 | 48.00 | 19.800 | 15.5609 | 0.00 | 152,284,133,689 | 0 |
| 5/3/07 | 48.00 | 19.800 | 15.5609 | 0.20 | 152,284,133,689 | 304,568,267 |
| 6/15/83 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 8/15/83 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 5/2/86 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 5/8/89 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 5/30/89 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 6/14/94 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 10/30/94 | 49.00 | 19.600 | 15.8851 | 0.00 | 155,456,719,807 | 0 |
| 5/11/00 | 49.00 | 19.600 | 15.8851 | 0.20 | 155,456,719,807 | 310,913,440 |
| 6/11/80 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/8/82 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 7/2/83 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/25/84 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 6/10/84 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 10/19/85 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 6/13/89 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/28/90 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 6/24/91 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/4/92 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 6/16/96 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/13/99 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/15/01 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 7/10/01 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 5/1/03 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 6/12/04 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 8/2/07 | 50.00 | 19.400 | 16.2093 | 0.00 | 158,629,305,926 | 0 |
| 7/29/09 | 50.00 | 19.400 | 16.2093 | 0.30 | 158,629,305,926 | 475,887,918 |
| 7/15/81 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 9/17/81 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 6/29/82 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 6/12/83 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 6/14/90 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 7/5/95 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 5/12/99 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 7/5/01 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 10/5/02 | 51.00 | 19.100 | 16.5335 | 0.00 | 161,801,892,044 | 0 |
| 5/31/07 | 51.00 | 19.100 | 16.5335 | 0.20 | 161,801,892,044 | 323,603,784 |
| 5/12/81 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/22/85 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/20/86 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 8/5/89 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 6/26/91 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 7/1/91 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 6/10/92 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/16/93 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/22/94 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 10/29/94 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 7/30/97 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/30/99 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 6/14/99 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 6/8/04 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 6/9/04 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 7/4/05 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/11/06 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 5/9/09 | 52.00 | 18.900 | 16.8577 | 0.00 | 164,974,478,163 | 0 |
| 10/13/09 | 52.00 | 18.900 | 16.8577 | 0.40 | 164,974,478,163 | 659,897,913 |
| 6/10/80 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 5/21/82 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 6/20/83 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 5/11/84 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 5/29/84 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 5/3/85 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 6/12/89 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 7/17/93 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 6/5/97 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 9/23/01 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 9/1/03 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 6/7/04 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 10/9/04 | 53.00 | 18.500 | 17.1819 | 0.00 | 168,147,064,281 | 0 |
| 6/16/07 | 53.00 | 18.500 | 17.1819 | 0.30 | 168,147,064,281 | 504,441,193 |
| 5/7/82 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 10/15/84 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 10/16/84 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 10/20/85 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 5/22/90 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/27/90 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/23/91 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 7/13/91 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/1/94 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/24/94 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/23/99 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/23/03 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 6/11/04 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/7/07 | 54.00 | 18.200 | 17.5061 | 0.00 | 171,319,650,400 | 0 |
| 5/14/08 | 54.00 | 18.200 | 17.5061 | 0.30 | 171,319,650,400 | 513,958,951 |
| 5/12/80 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 6/25/80 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 5/14/83 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 6/11/84 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 5/18/86 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 6/23/86 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 5/29/89 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 6/5/95 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 5/28/96 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 7/19/99 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 9/7/01 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 6/1/04 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 7/14/04 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 7/6/06 | 55.00 | 17.900 | 17.8303 | 0.00 | 174,492,236,518 | 0 |
| 7/18/07 | 55.00 | 17.900 | 17.8303 | 0.30 | 174,492,236,518 | 523,476,710 |
| 6/9/80 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 5/9/83 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 6/11/83 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 10/18/89 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 6/25/91 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 7/1/93 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 5/15/95 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 6/19/97 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 5/31/04 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 6/6/04 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 6/10/04 | 56.00 | 17.600 | 18.1544 | 0.00 | 177,664,822,637 | 0 |
| 5/15/09 | 56.00 | 17.600 | 18.1544 | 0.20 | 177,664,822,637 | 355,329,645 |
| 6/22/83 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 8/11/84 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 5/17/85 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 10/17/89 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 5/21/90 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 6/30/91 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 9/4/91 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 10/28/94 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 9/21/95 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 9/21/96 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 7/8/97 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 5/30/04 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 5/8/07 | 57.00 | 17.400 | 18.4786 | 0.00 | 180,837,408,755 | 0 |
| 5/17/09 | 57.00 | 17.400 | 18.4786 | 0.30 | 180,837,408,755 | 542,512,226 |
| 5/8/81 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 6/15/81 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/17/81 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 6/18/81 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 5/21/94 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 10/26/97 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 9/12/03 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 6/2/04 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 5/10/06 | 58.00 | 17.100 | 18.8028 | 0.00 | 184,009,994,874 | 0 |
| 8/1/07 | 58.00 | 17.100 | 18.8028 | 0.20 | 184,009,994,874 | 368,019,990 |
| 5/11/80 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/9/81 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 5/6/82 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 6/18/83 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 5/1/86 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/23/89 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 6/9/91 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 6/19/94 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 8/10/94 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 9/1/96 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/11/97 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/6/99 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/13/03 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 8/8/05 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 6/17/07 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 7/17/07 | 59.00 | 16.900 | 19.1270 | 0.00 | 187,182,580,992 | 0 |
| 5/3/08 | 59.00 | 16.900 | 19.1270 | 0.30 | 187,182,580,992 | 561,547,743 |
| 6/8/80 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 10/29/80 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 6/27/81 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 8/14/83 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 8/20/83 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 8/14/84 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 6/18/89 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 7/24/89 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 7/28/89 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 5/20/90 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 9/2/91 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 5/3/92 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 9/2/94 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 7/31/95 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 5/3/97 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 5/28/99 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 9/9/01 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 10/18/01 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 10/23/02 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |
| 5/29/04 | 60.00 | 16.600 | 19.4512 | 0.00 | 190,355,167,111 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/26/04 | 60.00 | 16.600 | 19.4512 | 0.40 | 190,355,167,111 | 761,420,668 |
| 5/11/81 | 61.00 | 16.200 | 19.7754 | 0.00 | 193,527,753,230 | 0 |
| 7/1/83 | 61.00 | 16.200 | 19.7754 | 0.00 | 193,527,753,230 | 0 |
| 6/8/91 | 61.00 | 16.200 | 19.7754 | 0.00 | 193,527,753,230 | 0 |
| 5/27/94 | 61.00 | 16.200 | 19.7754 | 0.00 | 193,527,753,230 | 0 |
| 9/18/98 | 61.00 | 16.200 | 19.7754 | 0.00 | 193,527,753,230 | 0 |
| 5/10/00 | 61.00 | 16.200 | 19.7754 | 0.10 | 193,527,753,230 | 193,527,753 |
| 5/28/89 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 6/11/89 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 6/22/91 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 6/27/91 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 10/27/96 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 7/12/03 | 62.00 | 16.100 | 20.0996 | 0.00 | 196,700,339,348 | 0 |
| 5/10/04 | 62.00 | 16.100 | 20.0996 | 0.20 | 196,700,339,348 | 393,400,679 |
| 6/7/80 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/3/81 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/4/81 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 7/8/86 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/3/90 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 6/13/90 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 7/12/91 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/9/93 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/15/93 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 5/12/95 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 9/20/95 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 6/17/97 | 63.00 | 15.900 | 20.4237 | 0.00 | 199,872,925,467 | 0 |
| 7/5/03 | 63.00 | 15.900 | 20.4237 | 0.20 | 199,872,925,467 | 399,745,851 |
| 5/10/80 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/26/81 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 5/11/83 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/10/83 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 10/14/84 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/22/86 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/6/91 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 9/8/91 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 5/29/94 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/21/94 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 10/27/94 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 10/26/96 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 6/3/97 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 5/15/00 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 9/3/03 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 5/28/04 | 64.00 | 15.700 | 20.7479 | 0.00 | 203,045,511,585 | 0 |
| 5/8/09 | 64.00 | 15.700 | 20.7479 | 0.30 | 203,045,511,585 | 609,136,535 |
| 5/18/82 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/19/82 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 8/19/83 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 6/12/84 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 5/30/92 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 5/7/95 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 5/27/97 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 6/4/97 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 6/18/97 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 5/23/00 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 8/29/01 | 65.00 | 15.400 | 21.0721 | 0.00 | 206,218,097,704 | 0 |
| 7/11/07 | 65.00 | 15.400 | 21.0721 | 0.30 | 206,218,097,704 | 618,654,293 |
| 5/19/90 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 6/7/91 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 6/9/92 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 5/20/94 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 8/8/94 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 5/11/95 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 5/30/95 | 66.00 | 15.100 | 21.3963 | 0.00 | 209,390,683,822 | 0 |
| 10/14/97 | 66.00 | 15.100 | 21.3963 | 0.10 | 209,390,683,822 | 209,390,684 |
| 5/19/81 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 6/3/81 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 5/5/82 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 5/23/85 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 5/25/85 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 7/26/89 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 8/20/91 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 9/11/91 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 6/21/93 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 5/8/95 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 6/11/99 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 10/6/04 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 7/24/05 | 67.00 | 15.000 | 21.7205 | 0.00 | 212,563,269,941 | 0 |
| 5/2/09 | 67.00 | 15.000 | 21.7205 | 0.30 | 212,563,269,941 | 637,689,810 |
| 5/9/80 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 5/13/80 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/16/83 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/24/83 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 8/7/83 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/19/84 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 7/29/89 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 8/4/89 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/12/90 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/5/91 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/21/91 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |
| 6/22/94 | 68.00 | 14.700 | 22.0447 | 0.00 | 215,735,856,059 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/18/09 | 68.00 | 14.700 | 22.0447 | 0.20 | 215,735,856,059 | 431,471,712 |
| 6/6/80 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 5/10/81 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 6/5/83 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 6/6/89 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 7/27/89 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 5/28/94 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 7/4/00 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 6/20/03 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 9/2/03 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 5/27/04 | 69.00 | 14.500 | 22.3689 | 0.00 | 218,908,442,178 | 0 |
| 5/9/06 | 69.00 | 14.500 | 22.3689 | 0.30 | 218,908,442,178 | 656,725,327 |
| 6/24/80 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 7/11/81 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 6/21/86 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 5/2/90 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 6/4/95 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 9/22/96 | 70.00 | 14.200 | 22.6930 | 0.00 | 222,081,028,296 | 0 |
| 6/16/01 | 70.00 | 14.200 | 22.6930 | 0.10 | 222,081,028,296 | 222,081,028 |
| 5/8/80 | 71.00 | 14.100 | 23.0172 | 0.00 | 225,253,614,415 | 0 |
| 5/27/89 | 71.00 | 14.100 | 23.0172 | 0.00 | 225,253,614,415 | 0 |
| 7/10/03 | 71.00 | 14.100 | 23.0172 | 0.10 | 225,253,614,415 | 225,253,614 |
| 6/14/81 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 7/19/89 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 5/18/90 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 6/11/90 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 5/13/95 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 6/17/03 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 7/7/03 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 7/14/03 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 5/9/04 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 5/11/04 | 72.00 | 14.000 | 23.3414 | 0.00 | 228,426,200,533 | 0 |
| 5/6/06 | 72.00 | 14.000 | 23.3414 | 0.20 | 228,426,200,533 | 456,852,401 |
| 5/7/80 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 6/23/83 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 7/22/89 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 7/26/92 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 5/8/93 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 10/26/94 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 5/14/95 | 73.00 | 13.800 | 23.6656 | 0.00 | 231,598,786,652 | 0 |
| 5/24/97 | 73.00 | 13.800 | 23.6656 | 0.10 | 231,598,786,652 | 231,598,787 |
| 6/5/80 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 6/30/83 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 6/7/94 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 5/20/97 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 8/11/97 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 5/9/00 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 9/26/01 | 74.00 | 13.700 | 23.9898 | 0.00 | 234,771,372,770 | 0 |
| 5/18/09 | 74.00 | 13.700 | 23.9898 | 0.20 | 234,771,372,770 | 469,542,746 |
| 6/17/83 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 10/9/84 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 6/2/86 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 6/17/91 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 8/31/91 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 9/10/91 | 75.00 | 13.500 | 24.3140 | 0.00 | 237,943,958,889 | 0 |
| 9/28/96 | 75.00 | 13.500 | 24.3140 | 0.10 | 237,943,958,889 | 237,943,959 |
| 6/4/83 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 6/4/91 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 5/19/94 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 5/3/95 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 5/26/04 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 5/5/06 | 76.00 | 13.400 | 24.6382 | 0.00 | 241,116,545,007 | 0 |
| 10/12/09 | 76.00 | 13.400 | 24.6382 | 0.10 | 241,116,545,007 | 241,116,545 |
| 5/24/84 | 77.00 | 13.300 | 24.9624 | 0.00 | 244,289,131,126 | 0 |
| 7/1/90 | 77.00 | 13.300 | 24.9624 | 0.00 | 244,289,131,126 | 0 |
| 5/6/95 | 77.00 | 13.300 | 24.9624 | 0.00 | 244,289,131,126 | 0 |
| 5/14/09 | 77.00 | 13.300 | 24.9624 | 0.10 | 244,289,131,126 | 244,289,131 |
| 5/4/82 | 78.00 | 13.200 | 25.2865 | 0.00 | 247,461,717,244 | 0 |
| 9/7/91 | 78.00 | 13.200 | 25.2865 | 0.00 | 247,461,717,244 | 0 |
| 6/6/92 | 78.00 | 13.200 | 25.2865 | 0.00 | 247,461,717,244 | 0 |
| 7/16/94 | 78.00 | 13.200 | 25.2865 | 0.00 | 247,461,717,244 | 0 |
| 9/4/08 | 78.00 | 13.200 | 25.2865 | 0.00 | 247,461,717,244 | 0 |
| 5/1/09 | 78.00 | 13.200 | 25.2865 | 0.10 | 247,461,717,244 | 247,461,717 |
| 6/4/80 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 7/8/81 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 6/9/83 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 9/24/84 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 5/15/89 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 7/25/89 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 6/16/91 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 5/29/92 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 5/14/93 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 9/29/96 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 6/13/99 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 6/29/01 | 79.00 | 13.100 | 25.6107 | 0.00 | 250,634,303,363 | 0 |
| 6/15/04 | 79.00 | 13.100 | 25.6107 | 0.30 | 250,634,303,363 | 751,902,910 |
| 5/6/80 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 10/17/84 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 10/18/85 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 6/10/90 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/29/91 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 7/1/92 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 5/2/97 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 6/3/04 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 6/5/04 | 80.00 | 12.800 | 25.9349 | 0.00 | 253,806,889,481 | 0 |
| 10/11/04 | 80.00 | 12.800 | 25.9349 | 0.20 | 253,806,889,481 | 507,613,779 |
| 8/18/91 | 81.00 | 12.600 | 26.2591 | 0.00 | 256,979,475,600 | 0 |
| 5/2/92 | 81.00 | 12.600 | 26.2591 | 0.00 | 256,979,475,600 | 0 |
| 10/31/92 | 81.00 | 12.600 | 26.2591 | 0.00 | 256,979,475,600 | 0 |
| 6/13/04 | 81.00 | 12.600 | 26.2591 | 0.00 | 256,979,475,600 | 0 |
| 5/17/08 | 81.00 | 12.600 | 26.2591 | 0.10 | 256,979,475,600 | 256,979,476 |
| 6/4/89 | 82.00 | 12.500 | 26.5833 | 0.00 | 260,152,061,718 | 0 |
| 6/5/89 | 82.00 | 12.500 | 26.5833 | 0.00 | 260,152,061,718 | 0 |
| 5/28/92 | 82.00 | 12.500 | 26.5833 | 0.00 | 260,152,061,718 | 0 |
| 5/11/07 | 82.00 | 12.500 | 26.5833 | 0.00 | 260,152,061,718 | 0 |
| 5/7/09 | 82.00 | 12.500 | 26.5833 | 0.10 | 260,152,061,718 | 260,152,062 |
| 6/10/89 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 5/8/90 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 6/3/91 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 7/11/91 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 6/7/92 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 6/30/93 | 83.00 | 12.400 | 26.9075 | 0.00 | 263,324,647,837 | 0 |
| 9/2/01 | 83.00 | 12.400 | 26.9075 | 0.10 | 263,324,647,837 | 263,324,648 |
| 7/14/81 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 6/19/83 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 6/18/91 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 5/7/93 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 5/2/95 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 5/4/95 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 9/1/01 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 5/8/04 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 7/5/07 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 9/17/08 | 84.00 | 12.300 | 27.2317 | 0.00 | 266,497,233,955 | 0 |
| 5/25/09 | 84.00 | 12.300 | 27.2317 | 0.20 | 266,497,233,955 | 532,994,468 |
| 6/3/80 | 85.00 | 12.100 | 27.5558 | 0.00 | 269,669,820,074 | 0 |
| 5/10/84 | 85.00 | 12.100 | 27.5558 | 0.00 | 269,669,820,074 | 0 |
| 5/26/89 | 85.00 | 12.100 | 27.5558 | 0.00 | 269,669,820,074 | 0 |
| 7/18/89 | 85.00 | 12.100 | 27.5558 | 0.00 | 269,669,820,074 | 0 |
| 10/17/01 | 85.00 | 12.100 | 27.5558 | 0.00 | 269,669,820,074 | 0 |
| 7/13/04 | 85.00 | 12.100 | 27.5558 | 0.10 | 269,669,820,074 | 269,669,820 |
| 5/14/80 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 6/11/81 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 6/12/81 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 5/26/84 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 6/9/84 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/20/89 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 6/9/90 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 7/2/90 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 6/29/91 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 7/2/91 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 10/25/02 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 5/25/04 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 10/4/09 | 86.00 | 12.000 | 27.8800 | 0.00 | 272,842,406,192 | 0 |
| 10/6/09 | 86.00 | 12.000 | 27.8800 | 0.30 | 272,842,406,192 | 818,527,219 |
| 10/13/84 | 87.00 | 11.700 | 28.2042 | 0.00 | 276,014,992,311 | 0 |
| 6/17/89 | 87.00 | 11.700 | 28.2042 | 0.00 | 276,014,992,311 | 0 |
| 5/17/90 | 87.00 | 11.700 | 28.2042 | 0.00 | 276,014,992,311 | 0 |
| 10/25/94 | 87.00 | 11.700 | 28.2042 | 0.00 | 276,014,992,311 | 0 |
| 5/8/06 | 87.00 | 11.700 | 28.2042 | 0.10 | 276,014,992,311 | 276,014,992 |
| 5/7/81 | 88.00 | 11.600 | 28.5284 | 0.00 | 279,187,578,429 | 0 |
| 6/28/99 | 88.00 | 11.600 | 28.5284 | 0.00 | 279,187,578,429 | 0 |
| 6/16/03 | 88.00 | 11.600 | 28.5284 | 0.10 | 279,187,578,429 | 279,187,578 |
| 5/1/90 | 89.00 | 11.500 | 28.8526 | 0.00 | 282,360,164,548 | 0 |
| 6/15/91 | 89.00 | 11.500 | 28.8526 | 0.00 | 282,360,164,548 | 0 |
| 8/10/91 | 89.00 | 11.500 | 28.8526 | 0.00 | 282,360,164,548 | 0 |
| 9/6/91 | 89.00 | 11.500 | 28.8526 | 0.00 | 282,360,164,548 | 0 |
| 7/28/09 | 89.00 | 11.500 | 28.8526 | 0.10 | 282,360,164,548 | 282,360,165 |
| 5/5/80 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 6/3/83 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 8/13/83 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 10/21/85 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 6/19/91 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 5/18/94 | 90.00 | 11.400 | 29.1768 | 0.00 | 285,532,750,666 | 0 |
| 5/31/94 | 90.00 | 11.400 | 29.1768 | 0.10 | 285,532,750,666 | 285,532,751 |
| 8/8/83 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 9/21/83 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 6/23/94 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 8/17/02 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 6/19/04 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 7/9/04 | 91.00 | 11.300 | 29.5010 | 0.00 | 288,705,336,785 | 0 |
| 5/6/07 | 91.00 | 11.300 | 29.5010 | 0.10 | 288,705,336,785 | 288,705,337 |
| 7/7/81 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 5/20/82 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 5/12/90 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 7/24/92 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 6/13/93 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 7/8/04 | 92.00 | 11.200 | 29.8251 | 0.00 | 291,877,922,904 | 0 |
| 5/9/07 | 92.00 | 11.200 | 29.8251 | 0.20 | 291,877,922,904 | 583,755,846 |
| 6/2/80 | 93.00 | 11.000 | 30.1493 | 0.00 | 295,050,509,022 | 0 |
| 5/17/82 | 93.00 | 11.000 | 30.1493 | 0.00 | 295,050,509,022 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/15/86 | 93.00 | 11.000 | 30.1493 | 0.00 | 295,050,509,022 | 0 |
| 5/7/89 | 93.00 | 11.000 | 30.1493 | 0.00 | 295,050,509,022 | 0 |
| 5/10/95 | 93.00 | 11.000 | 30.1493 | 0.00 | 295,050,509,022 | 0 |
| 5/4/06 | 93.00 | 11.000 | 30.1493 | 0.10 | 295,050,509,022 | 295,050,509 |
| 5/13/83 | 94.00 | 10.900 | 30.4735 | 0.00 | 298,223,095,141 | 0 |
| 6/20/91 | 94.00 | 10.900 | 30.4735 | 0.00 | 298,223,095,141 | 0 |
| 7/4/01 | 94.00 | 10.900 | 30.4735 | 0.10 | 298,223,095,141 | 298,223,095 |
| 5/15/80 | 95.00 | 10.800 | 30.7977 | 0.00 | 301,395,681,259 | 0 |
| 9/22/83 | 95.00 | 10.800 | 30.7977 | 0.00 | 301,395,681,259 | 0 |
| 6/20/86 | 95.00 | 10.800 | 30.7977 | 0.00 | 301,395,681,259 | 0 |
| 5/5/95 | 95.00 | 10.800 | 30.7977 | 0.00 | 301,395,681,259 | 0 |
| 7/25/92 | 96.00 | 10.800 | 31.1219 | 0.10 | 304,568,267,378 | 304,568,267 |
| 5/3/82 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 5/5/89 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 8/2/89 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 5/1/95 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 9/16/98 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 5/29/99 | 97.00 | 10.700 | 31.4461 | 0.00 | 307,740,853,496 | 0 |
| 7/9/01 | 97.00 | 10.700 | 31.4461 | 0.10 | 307,740,853,496 | 307,740,853 |
| 10/31/84 | 98.00 | 10.600 | 31.7703 | 0.00 | 310,913,439,615 | 0 |
| 6/6/86 | 98.00 | 10.600 | 31.7703 | 0.00 | 310,913,439,615 | 0 |
| 6/2/91 | 98.00 | 10.600 | 31.7703 | 0.00 | 310,913,439,615 | 0 |
| 9/11/01 | 98.00 | 10.600 | 31.7703 | 0.00 | 310,913,439,615 | 0 |
| 5/24/04 | 98.00 | 10.600 | 31.7703 | 0.00 | 310,913,439,615 | 0 |
| 5/7/06 | 98.00 | 10.600 | 31.7703 | 0.10 | 310,913,439,615 | 310,913,440 |
| 6/25/83 | 99.00 | 10.500 | 32.0945 | 0.00 | 314,086,025,733 | 0 |
| 5/28/84 | 99.00 | 10.500 | 32.0945 | 0.00 | 314,086,025,733 | 0 |
| 5/13/93 | 99.00 | 10.500 | 32.0945 | 0.00 | 314,086,025,733 | 0 |
| 6/24/99 | 99.00 | 10.500 | 32.0945 | 0.00 | 314,086,025,733 | 0 |
| 10/10/04 | 99.00 | 10.500 | 32.0945 | 0.00 | 314,086,025,733 | 0 |
| 9/26/05 | 99.00 | 10.500 | 32.0945 | 0.10 | 314,086,025,733 | 314,086,026 |
| 5/6/93 | 100.00 | 10.400 | 32.4186 | 0.00 | 317,258,611,852 | 0 |
| 6/25/99 | 100.00 | 10.400 | 32.4186 | 0.10 | 317,258,611,852 | 317,258,612 |
| 6/10/81 | 101.00 | 10.300 | 32.7428 | 0.00 | 320,431,197,970 | 0 |
| 7/18/99 | 101.00 | 10.300 | 32.7428 | 0.00 | 320,431,197,970 | 0 |
| 6/1/86 | 102.00 | 10.300 | 33.0670 | 0.00 | 323,603,784,089 | 0 |
| 5/25/89 | 102.00 | 10.300 | 33.0670 | 0.00 | 323,603,784,089 | 0 |
| 9/1/91 | 102.00 | 10.300 | 33.0670 | 0.00 | 323,603,784,089 | 0 |
| 8/31/96 | 102.00 | 10.300 | 33.0670 | 0.00 | 323,603,784,089 | 0 |
| 5/1/97 | 102.00 | 10.300 | 33.0670 | 0.10 | 323,603,784,089 | 323,603,784 |
| 6/1/80 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |
| 5/7/90 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |
| 6/12/93 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |
| 7/9/99 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |
| 10/12/01 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/7/04 | 103.00 | 10.200 | 33.3912 | 0.00 | 326,776,370,207 | 0 |
| 10/5/09 | 103.00 | 10.200 | 33.3912 | 0.10 | 326,776,370,207 | 326,776,370 |
| 5/4/80 | 104.00 | 10.100 | 33.7154 | 0.00 | 329,948,956,326 | 0 |
| 8/3/89 | 104.00 | 10.100 | 33.7154 | 0.00 | 329,948,956,326 | 0 |
| 6/8/90 | 104.00 | 10.100 | 33.7154 | 0.00 | 329,948,956,326 | 0 |
| 5/30/94 | 104.00 | 10.100 | 33.7154 | 0.10 | 329,948,956,326 | 329,948,956 |
| 6/17/94 | 105.00 | 10.000 | 34.0396 | 0.00 | 333,121,542,444 | 0 |
| 6/3/95 | 105.00 | 10.000 | 34.0396 | 0.00 | 333,121,542,444 | 0 |
| 6/13/81 | 106.00 | 10.000 | 34.3638 | 0.00 | 336,294,128,563 | 0 |
| 8/9/94 | 106.00 | 10.000 | 34.3638 | 0.00 | 336,294,128,563 | 0 |
| 5/9/95 | 106.00 | 10.000 | 34.3638 | 0.00 | 336,294,128,563 | 0 |
| 10/20/02 | 106.00 | 10.000 | 34.3638 | 0.00 | 336,294,128,563 | 0 |
| 6/22/03 | 106.00 | 10.000 | 34.3638 | 0.00 | 336,294,128,563 | 0 |
| 10/5/04 | 106.00 | 10.000 | 34.3638 | 0.20 | 336,294,128,563 | 672,588,257 |
| 5/23/97 | 107.00 | 9.800 | 34.6879 | 0.00 | 339,466,714,681 | 0 |
| 7/31/07 | 107.00 | 9.800 | 34.6879 | 0.00 | 339,466,714,681 | 0 |
| 6/8/83 | 108.00 | 9.800 | 35.0121 | 0.00 | 342,639,300,800 | 0 |
| 7/21/89 | 108.00 | 9.800 | 35.0121 | 0.00 | 342,639,300,800 | 0 |
| 5/30/90 | 108.00 | 9.800 | 35.0121 | 0.00 | 342,639,300,800 | 0 |
| 5/8/00 | 108.00 | 9.800 | 35.0121 | 0.00 | 342,639,300,800 | 0 |
| 6/4/04 | 108.00 | 9.800 | 35.0121 | 0.10 | 342,639,300,800 | 342,639,301 |
| 6/4/81 | 109.00 | 9.700 | 35.3363 | 0.00 | 345,811,886,918 | 0 |
| 5/29/83 | 109.00 | 9.700 | 35.3363 | 0.00 | 345,811,886,918 | 0 |
| 7/17/89 | 109.00 | 9.700 | 35.3363 | 0.00 | 345,811,886,918 | 0 |
| 5/29/91 | 109.00 | 9.700 | 35.3363 | 0.00 | 345,811,886,918 | 0 |
| 7/17/94 | 109.00 | 9.700 | 35.3363 | 0.10 | 345,811,886,918 | 345,811,887 |
| 9/22/84 | 110.00 | 9.600 | 35.6605 | 0.00 | 348,984,473,037 | 0 |
| 10/27/85 | 110.00 | 9.600 | 35.6605 | 0.00 | 348,984,473,037 | 0 |
| 5/19/86 | 110.00 | 9.600 | 35.6605 | 0.00 | 348,984,473,037 | 0 |
| 5/30/91 | 110.00 | 9.600 | 35.6605 | 0.00 | 348,984,473,037 | 0 |
| 5/17/94 | 110.00 | 9.600 | 35.6605 | 0.00 | 348,984,473,037 | 0 |
| 9/6/01 | 110.00 | 9.600 | 35.6605 | 0.10 | 348,984,473,037 | 348,984,473 |
| 9/16/81 | 111.00 | 9.500 | 35.9847 | 0.00 | 352,157,059,155 | 0 |
| 10/30/84 | 111.00 | 9.500 | 35.9847 | 0.00 | 352,157,059,155 | 0 |
| 10/24/94 | 111.00 | 9.500 | 35.9847 | 0.00 | 352,157,059,155 | 0 |
| 5/31/97 | 111.00 | 9.500 | 35.9847 | 0.10 | 352,157,059,155 | 352,157,059 |
| 7/7/95 | 112.00 | 9.400 | 36.3089 | 0.00 | 355,329,645,274 | 0 |
| 7/8/01 | 112.00 | 9.400 | 36.3089 | 0.00 | 355,329,645,274 | 0 |
| 5/6/09 | 112.00 | 9.400 | 36.3089 | 0.10 | 355,329,645,274 | 355,329,645 |
| 6/23/80 | 113.00 | 9.300 | 36.6331 | 0.00 | 358,502,231,392 | 0 |
| 6/29/83 | 113.00 | 9.300 | 36.6331 | 0.00 | 358,502,231,392 | 0 |
| 5/23/04 | 113.00 | 9.300 | 36.6331 | 0.00 | 358,502,231,392 | 0 |
| 6/20/04 | 113.00 | 9.300 | 36.6331 | 0.00 | 358,502,231,392 | 0 |
| 5/2/81 | 114.00 | 9.300 | 36.9572 | 0.00 | 361,674,817,511 | 0 |
| 6/28/92 | 114.00 | 9.300 | 36.9572 | 0.00 | 361,674,817,511 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/25/06 | 114.00 | 9.300 | 36.9572 | 0.10 | 361,674,817,511 | 361,674,818 |
| 5/18/81 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 7/13/81 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 7/13/89 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 5/16/90 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 6/14/91 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 6/5/92 | 115.00 | 9.200 | 37.2814 | 0.00 | 364,847,403,629 | 0 |
| 9/17/98 | 115.00 | 9.200 | 37.2814 | 0.10 | 364,847,403,629 | 364,847,404 |
| 7/30/89 | 116.00 | 9.100 | 37.6056 | 0.00 | 368,019,989,748 | 0 |
| 5/27/92 | 117.00 | 9.100 | 37.9298 | 0.00 | 371,192,575,866 | 0 |
| 6/22/93 | 117.00 | 9.100 | 37.9298 | 0.00 | 371,192,575,866 | 0 |
| 8/10/97 | 117.00 | 9.100 | 37.9298 | 0.10 | 371,192,575,866 | 371,192,576 |
| 5/31/80 | 118.00 | 9.000 | 38.2540 | 0.00 | 374,365,161,985 | 0 |
| 10/17/09 | 118.00 | 9.000 | 38.2540 | 0.00 | 374,365,161,985 | 0 |
| 5/2/80 | 119.00 | 9.000 | 38.5782 | 0.00 | 377,537,748,103 | 0 |
| 7/7/91 | 119.00 | 9.000 | 38.5782 | 0.00 | 377,537,748,103 | 0 |
| 6/10/01 | 119.00 | 9.000 | 38.5782 | 0.10 | 377,537,748,103 | 377,537,748 |
| 5/1/80 | 120.00 | 8.900 | 38.9024 | 0.00 | 380,710,334,222 | 0 |
| 5/3/80 | 121.00 | 8.900 | 39.2266 | 0.00 | 383,882,920,341 | 0 |
| 6/28/91 | 121.00 | 8.900 | 39.2266 | 0.00 | 383,882,920,341 | 0 |
| 5/26/97 | 121.00 | 8.900 | 39.2266 | 0.10 | 383,882,920,341 | 383,882,920 |
| 6/2/83 | 122.00 | 8.800 | 39.5507 | 0.00 | 387,055,506,459 | 0 |
| 8/12/83 | 122.00 | 8.800 | 39.5507 | 0.00 | 387,055,506,459 | 0 |
| 5/5/93 | 122.00 | 8.800 | 39.5507 | 0.00 | 387,055,506,459 | 0 |
| 8/19/91 | 123.00 | 8.800 | 39.8749 | 0.00 | 390,228,092,578 | 0 |
| 7/12/04 | 123.00 | 8.800 | 39.8749 | 0.00 | 390,228,092,578 | 0 |
| 9/3/08 | 123.00 | 8.800 | 39.8749 | 0.10 | 390,228,092,578 | 390,228,093 |
| 5/28/91 | 124.00 | 8.700 | 40.1991 | 0.00 | 393,400,678,696 | 0 |
| 6/8/92 | 124.00 | 8.700 | 40.1991 | 0.00 | 393,400,678,696 | 0 |
| 7/5/04 | 124.00 | 8.700 | 40.1991 | 0.00 | 393,400,678,696 | 0 |
| 5/10/07 | 124.00 | 8.700 | 40.1991 | 0.10 | 393,400,678,696 | 393,400,679 |
| 6/1/91 | 125.00 | 8.600 | 40.5233 | 0.00 | 396,573,264,815 | 0 |
| 5/12/83 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 5/28/83 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 10/29/84 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 5/24/89 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 6/28/00 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 9/14/03 | 126.00 | 8.600 | 40.8475 | 0.00 | 399,745,850,933 | 0 |
| 5/3/06 | 126.00 | 8.600 | 40.8475 | 0.10 | 399,745,850,933 | 399,745,851 |
| 8/17/91 | 127.00 | 8.500 | 41.1717 | 0.00 | 402,918,437,052 | 0 |
| 6/16/04 | 127.00 | 8.500 | 41.1717 | 0.10 | 402,918,437,052 | 402,918,437 |
| 6/14/89 | 128.00 | 8.400 | 41.4959 | 0.00 | 406,091,023,170 | 0 |
| 9/16/09 | 129.00 | 8.400 | 41.8200 | 0.00 | 409,263,609,289 | 0 |
| 7/12/89 | 130.00 | 8.400 | 42.1442 | 0.00 | 412,436,195,407 | 0 |
| 10/24/97 | 130.00 | 8.400 | 42.1442 | 0.00 | 412,436,195,407 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/31/02 | 130.00 | 8.400 | 42.1442 | 0.10 | 412,436,195,407 | 412,436,195 |
| 5/31/90 | 131.00 | 8.300 | 42.4684 | 0.00 | 415,608,781,526 | 0 |
| 5/16/94 | 131.00 | 8.300 | 42.4684 | 0.00 | 415,608,781,526 | 0 |
| 6/16/86 | 132.00 | 8.300 | 42.7926 | 0.00 | 418,781,367,644 | 0 |
| 7/28/91 | 132.00 | 8.300 | 42.7926 | 0.00 | 418,781,367,644 | 0 |
| 8/13/91 | 132.00 | 8.300 | 42.7926 | 0.00 | 418,781,367,644 | 0 |
| 7/23/05 | 132.00 | 8.300 | 42.7926 | 0.10 | 418,781,367,644 | 418,781,368 |
| 8/1/89 | 133.00 | 8.200 | 43.1168 | 0.00 | 421,953,953,763 | 0 |
| 5/25/97 | 133.00 | 8.200 | 43.1168 | 0.00 | 421,953,953,763 | 0 |
| 6/18/04 | 133.00 | 8.200 | 43.1168 | 0.00 | 421,953,953,763 | 0 |
| 5/22/00 | 134.00 | 8.200 | 43.4410 | 0.00 | 425,126,539,881 | 0 |
| 5/6/04 | 134.00 | 8.200 | 43.4410 | 0.00 | 425,126,539,881 | 0 |
| 5/22/04 | 134.00 | 8.200 | 43.4410 | 0.10 | 425,126,539,881 | 425,126,540 |
| 5/11/90 | 135.00 | 8.100 | 43.7652 | 0.00 | 428,299,126,000 | 0 |
| 6/25/93 | 135.00 | 8.100 | 43.7652 | 0.00 | 428,299,126,000 | 0 |
| 5/14/00 | 136.00 | 8.100 | 44.0893 | 0.00 | 431,471,712,118 | 0 |
| 7/7/04 | 136.00 | 8.100 | 44.0893 | 0.10 | 431,471,712,118 | 431,471,712 |
| 5/26/80 | 137.00 | 8.000 | 44.4135 | 0.00 | 434,644,298,237 | 0 |
| 6/7/90 | 137.00 | 8.000 | 44.4135 | 0.00 | 434,644,298,237 | 0 |
| 5/29/90 | 138.00 | 8.000 | 44.7377 | 0.00 | 437,816,884,355 | 0 |
| 6/18/94 | 138.00 | 8.000 | 44.7377 | 0.00 | 437,816,884,355 | 0 |
| 5/13/00 | 138.00 | 8.000 | 44.7377 | 0.00 | 437,816,884,355 | 0 |
| 7/6/03 | 138.00 | 8.000 | 44.7377 | 0.10 | 437,816,884,355 | 437,816,884 |
| 6/5/94 | 139.00 | 7.900 | 45.0619 | 0.00 | 440,989,470,474 | 0 |
| 6/12/99 | 139.00 | 7.900 | 45.0619 | 0.00 | 440,989,470,474 | 0 |
| 5/2/82 | 140.00 | 7.900 | 45.3861 | 0.00 | 444,162,056,592 | 0 |
| 10/17/85 | 140.00 | 7.900 | 45.3861 | 0.00 | 444,162,056,592 | 0 |
| 10/22/85 | 140.00 | 7.900 | 45.3861 | 0.00 | 444,162,056,592 | 0 |
| 5/31/91 | 140.00 | 7.900 | 45.3861 | 0.00 | 444,162,056,592 | 0 |
| 5/1/93 | 140.00 | 7.900 | 45.3861 | 0.00 | 444,162,056,592 | 0 |
| 10/23/94 | 140.00 | 7.900 | 45.3861 | 0.10 | 444,162,056,592 | 444,162,057 |
| 8/6/83 | 141.00 | 7.800 | 45.7103 | 0.10 | 447,334,642,711 | 447,334,643 |
| 5/1/92 | 142.00 | 7.700 | 46.0345 | 0.00 | 450,507,228,829 | 0 |
| 5/27/80 | 143.00 | 7.700 | 46.3587 | 0.00 | 453,679,814,948 | 0 |
| 5/15/94 | 143.00 | 7.700 | 46.3587 | 0.00 | 453,679,814,948 | 0 |
| 8/12/91 | 144.00 | 7.700 | 46.6828 | 0.00 | 456,852,401,066 | 0 |
| 5/12/93 | 144.00 | 7.700 | 46.6828 | 0.00 | 456,852,401,066 | 0 |
| 10/24/06 | 144.00 | 7.700 | 46.6828 | 0.10 | 456,852,401,066 | 456,852,401 |
| 5/31/83 | 145.00 | 7.600 | 47.0070 | 0.00 | 460,024,987,185 | 0 |
| 10/22/02 | 145.00 | 7.600 | 47.0070 | 0.00 | 460,024,987,185 | 0 |
| 9/26/09 | 145.00 | 7.600 | 47.0070 | 0.00 | 460,024,987,185 | 0 |
| 5/14/94 | 146.00 | 7.600 | 47.3312 | 0.00 | 463,197,573,303 | 0 |
| 8/28/01 | 146.00 | 7.600 | 47.3312 | 0.10 | 463,197,573,303 | 463,197,573 |
| 10/28/84 | 148.00 | 7.500 | 47.9796 | 0.00 | 469,542,745,540 | 0 |
| 7/5/06 | 148.00 | 7.500 | 47.9796 | 0.00 | 469,542,745,540 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/13/09 | 149.00 | 7.500 | 48.3038 | 0.00 | 472,715,331,659 | 0 |
| 8/11/83 | 150.00 | 7.500 | 48.6280 | 0.00 | 475,887,917,777 | 0 |
| 10/26/85 | 150.00 | 7.500 | 48.6280 | 0.00 | 475,887,917,777 | 0 |
| 5/27/91 | 150.00 | 7.500 | 48.6280 | 0.00 | 475,887,917,777 | 0 |
| 10/16/01 | 150.00 | 7.500 | 48.6280 | 0.10 | 475,887,917,777 | 475,887,918 |
| 5/30/80 | 151.00 | 7.400 | 48.9521 | 0.00 | 479,060,503,896 | 0 |
| 7/10/91 | 151.00 | 7.400 | 48.9521 | 0.00 | 479,060,503,896 | 0 |
| 7/10/07 | 151.00 | 7.400 | 48.9521 | 0.10 | 479,060,503,896 | 479,060,504 |
| 5/27/83 | 152.00 | 7.300 | 49.2763 | 0.00 | 482,233,090,015 | 0 |
| 5/30/83 | 153.00 | 7.300 | 49.6005 | 0.00 | 485,405,676,133 | 0 |
| 6/14/86 | 153.00 | 7.300 | 49.6005 | 0.00 | 485,405,676,133 | 0 |
| 7/11/89 | 153.00 | 7.300 | 49.6005 | 0.00 | 485,405,676,133 | 0 |
| 6/9/81 | 155.00 | 7.300 | 50.2489 | 0.00 | 491,750,848,370 | 0 |
| 5/10/93 | 155.00 | 7.300 | 50.2489 | 0.00 | 491,750,848,370 | 0 |
| 10/31/06 | 155.00 | 7.300 | 50.2489 | 0.10 | 491,750,848,370 | 491,750,848 |
| 5/25/80 | 156.00 | 7.200 | 50.5731 | 0.00 | 494,923,434,489 | 0 |
| 8/3/04 | 156.00 | 7.200 | 50.5731 | 0.00 | 494,923,434,489 | 0 |
| 6/7/83 | 157.00 | 7.200 | 50.8973 | 0.00 | 498,096,020,607 | 0 |
| 7/8/07 | 157.00 | 7.200 | 50.8973 | 0.10 | 498,096,020,607 | 498,096,021 |
| 5/23/89 | 158.00 | 7.100 | 51.2214 | 0.00 | 501,268,606,726 | 0 |
| 5/11/09 | 158.00 | 7.100 | 51.2214 | 0.00 | 501,268,606,726 | 0 |
| 9/3/01 | 159.00 | 7.100 | 51.5456 | 0.00 | 504,441,192,844 | 0 |
| 7/6/81 | 160.00 | 7.100 | 51.8698 | 0.00 | 507,613,778,963 | 0 |
| 6/26/93 | 160.00 | 7.100 | 51.8698 | 0.10 | 507,613,778,963 | 507,613,779 |
| 6/19/03 | 161.00 | 7.000 | 52.1940 | 0.00 | 510,786,365,081 | 0 |
| 6/1/83 | 162.00 | 7.000 | 52.5182 | 0.00 | 513,958,951,200 | 0 |
| 5/16/85 | 162.00 | 7.000 | 52.5182 | 0.00 | 513,958,951,200 | 0 |
| 7/16/89 | 164.00 | 7.000 | 53.1666 | 0.10 | 520,304,123,437 | 520,304,123 |
| 5/6/90 | 165.00 | 6.900 | 53.4908 | 0.00 | 523,476,709,555 | 0 |
| 5/13/94 | 165.00 | 6.900 | 53.4908 | 0.00 | 523,476,709,555 | 0 |
| 5/16/89 | 166.00 | 6.900 | 53.8149 | 0.00 | 526,649,295,674 | 0 |
| 6/26/99 | 166.00 | 6.900 | 53.8149 | 0.00 | 526,649,295,674 | 0 |
| 6/9/89 | 168.00 | 6.900 | 54.4633 | 0.00 | 532,994,467,911 | 0 |
| 9/5/91 | 168.00 | 6.900 | 54.4633 | 0.00 | 532,994,467,911 | 0 |
| 6/6/94 | 168.00 | 6.900 | 54.4633 | 0.00 | 532,994,467,911 | 0 |
| 5/21/04 | 168.00 | 6.900 | 54.4633 | 0.10 | 532,994,467,911 | 532,994,468 |
| 7/5/81 | 169.00 | 6.800 | 54.7875 | 0.00 | 536,167,054,029 | 0 |
| 5/31/95 | 169.00 | 6.800 | 54.7875 | 0.10 | 536,167,054,029 | 536,167,054 |
| 7/9/07 | 170.00 | 6.700 | 55.1117 | 0.00 | 539,339,640,148 | 0 |
| 5/15/08 | 172.00 | 6.700 | 55.7601 | 0.00 | 545,684,812,385 | 0 |
| 10/22/94 | 173.00 | 6.700 | 56.0842 | 0.00 | 548,857,398,503 | 0 |
| 6/13/91 | 174.00 | 6.700 | 56.4084 | 0.00 | 552,029,984,622 | 0 |
| 5/16/08 | 174.00 | 6.700 | 56.4084 | 0.00 | 552,029,984,622 | 0 |
| 6/7/89 | 175.00 | 6.700 | 56.7326 | 0.00 | 555,202,570,740 | 0 |
| 5/26/91 | 175.00 | 6.700 | 56.7326 | 0.10 | 555,202,570,740 | 555,202,571 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/11/09 | 177.00 | 6.600 | 57.3810 | 0.00 | 561,547,742,977 | 0 |
| 6/16/89 | 179.00 | 6.600 | 58.0294 | 0.00 | 567,892,915,214 | 0 |
| 5/30/97 | 179.00 | 6.600 | 58.0294 | 0.00 | 567,892,915,214 | 0 |
| 9/15/98 | 179.00 | 6.600 | 58.0294 | 0.10 | 567,892,915,214 | 567,892,915 |
| 5/25/91 | 180.00 | 6.500 | 58.3535 | 0.00 | 571,065,501,333 | 0 |
| 5/16/81 | 182.00 | 6.500 | 59.0019 | 0.00 | 577,410,673,570 | 0 |
| 6/18/86 | 182.00 | 6.500 | 59.0019 | 0.00 | 577,410,673,570 | 0 |
| 5/15/90 | 182.00 | 6.500 | 59.0019 | 0.00 | 577,410,673,570 | 0 |
| 6/29/93 | 183.00 | 6.500 | 59.3261 | 0.00 | 580,583,259,689 | 0 |
| 7/6/95 | 183.00 | 6.500 | 59.3261 | 0.00 | 580,583,259,689 | 0 |
| 6/2/97 | 183.00 | 6.500 | 59.3261 | 0.10 | 580,583,259,689 | 580,583,260 |
| 5/4/93 | 184.00 | 6.400 | 59.6503 | 0.00 | 583,755,845,807 | 0 |
| 10/10/09 | 184.00 | 6.400 | 59.6503 | 0.00 | 583,755,845,807 | 0 |
| 9/23/84 | 185.00 | 6.400 | 59.9745 | 0.00 | 586,928,431,926 | 0 |
| 7/8/91 | 185.00 | 6.400 | 59.9745 | 0.00 | 586,928,431,926 | 0 |
| 7/17/99 | 185.00 | 6.400 | 59.9745 | 0.00 | 586,928,431,926 | 0 |
| 7/6/04 | 185.00 | 6.400 | 59.9745 | 0.10 | 586,928,431,926 | 586,928,432 |
| 5/23/84 | 186.00 | 6.300 | 60.2987 | 0.00 | 590,101,018,044 | 0 |
| 7/8/99 | 186.00 | 6.300 | 60.2987 | 0.10 | 590,101,018,044 | 590,101,018 |
| 7/10/89 | 187.00 | 6.200 | 60.6229 | 0.00 | 593,273,604,163 | 0 |
| 5/24/80 | 188.00 | 6.200 | 60.9470 | 0.00 | 596,446,190,281 | 0 |
| 5/2/91 | 189.00 | 6.200 | 61.2712 | 0.00 | 599,618,776,400 | 0 |
| 6/21/04 | 189.00 | 6.200 | 61.2712 | 0.00 | 599,618,776,400 | 0 |
| 5/26/83 | 190.00 | 6.200 | 61.5954 | 0.00 | 602,791,362,518 | 0 |
| 6/17/04 | 190.00 | 6.200 | 61.5954 | 0.00 | 602,791,362,518 | 0 |
| 7/4/04 | 190.00 | 6.200 | 61.5954 | 0.10 | 602,791,362,518 | 602,791,363 |
| 10/25/97 | 194.00 | 6.100 | 62.8922 | 0.00 | 615,481,706,992 | 0 |
| 10/27/84 | 196.00 | 6.100 | 63.5405 | 0.00 | 621,826,879,229 | 0 |
| 5/7/00 | 196.00 | 6.100 | 63.5405 | 0.00 | 621,826,879,229 | 0 |
| 9/10/01 | 196.00 | 6.100 | 63.5405 | 0.10 | 621,826,879,229 | 621,826,879 |
| 10/26/02 | 197.00 | 6.000 | 63.8647 | 0.00 | 624,999,465,348 | 0 |
| 6/14/04 | 197.00 | 6.000 | 63.8647 | 0.00 | 624,999,465,348 | 0 |
| 5/21/84 | 198.00 | 6.000 | 64.1889 | 0.00 | 628,172,051,466 | 0 |
| 5/7/94 | 198.00 | 6.000 | 64.1889 | 0.00 | 628,172,051,466 | 0 |
| 5/5/04 | 199.00 | 6.000 | 64.5131 | 0.00 | 631,344,637,585 | 0 |
| 6/23/04 | 199.00 | 6.000 | 64.5131 | 0.10 | 631,344,637,585 | 631,344,638 |
| 7/6/07 | 200.00 | 5.900 | 64.8373 | 0.00 | 634,517,223,703 | 0 |
| 10/12/84 | 203.00 | 5.900 | 65.8098 | 0.00 | 644,034,982,059 | 0 |
| 10/18/84 | 203.00 | 5.900 | 65.8098 | 0.00 | 644,034,982,059 | 0 |
| 5/16/82 | 204.00 | 5.900 | 66.1340 | 0.00 | 647,207,568,177 | 0 |
| 6/23/93 | 204.00 | 5.900 | 66.1340 | 0.10 | 647,207,568,177 | 647,207,568 |
| 7/9/91 | 205.00 | 5.800 | 66.4582 | 0.00 | 650,380,154,296 | 0 |
| 5/24/91 | 208.00 | 5.800 | 67.4308 | 0.00 | 659,897,912,651 | 0 |
| 8/11/91 | 209.00 | 5.800 | 67.7550 | 0.00 | 663,070,498,770 | 0 |
| 5/6/89 | 212.00 | 5.800 | 68.7275 | 0.10 | 672,588,257,126 | 672,588,257 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/19/86 | 213.00 | 5.700 | 69.0517 | 0.00 | 675,760,843,244 | 0 |
| 10/30/06 | 213.00 | 5.700 | 69.0517 | 0.00 | 675,760,843,244 | 0 |
| 10/23/06 | 214.00 | 5.700 | 69.3759 | 0.00 | 678,933,429,363 | 0 |
| 5/22/89 | 216.00 | 5.700 | 70.0243 | 0.00 | 685,278,601,600 | 0 |
| 7/6/91 | 216.00 | 5.700 | 70.0243 | 0.10 | 685,278,601,600 | 685,278,602 |
| 6/1/92 | 217.00 | 5.600 | 70.3484 | 0.00 | 688,451,187,718 | 0 |
| 6/6/90 | 219.00 | 5.600 | 70.9968 | 0.00 | 694,796,359,955 | 0 |
| 5/5/09 | 220.00 | 5.600 | 71.3210 | 0.00 | 697,968,946,074 | 0 |
| 9/15/81 | 221.00 | 5.600 | 71.6452 | 0.00 | 701,141,532,192 | 0 |
| 8/5/83 | 221.00 | 5.600 | 71.6452 | 0.00 | 701,141,532,192 | 0 |
| 5/14/91 | 221.00 | 5.600 | 71.6452 | 0.00 | 701,141,532,192 | 0 |
| 6/22/04 | 221.00 | 5.600 | 71.6452 | 0.10 | 701,141,532,192 | 701,141,532 |
| 5/6/81 | 222.00 | 5.500 | 71.9694 | 0.00 | 704,314,118,311 | 0 |
| 7/14/89 | 224.00 | 5.500 | 72.6177 | 0.00 | 710,659,290,548 | 0 |
| 5/2/06 | 224.00 | 5.500 | 72.6177 | 0.00 | 710,659,290,548 | 0 |
| 5/3/09 | 224.00 | 5.500 | 72.6177 | 0.10 | 710,659,290,548 | 710,659,291 |
| 6/4/92 | 225.00 | 5.400 | 72.9419 | 0.00 | 713,831,876,666 | 0 |
| 6/7/01 | 225.00 | 5.400 | 72.9419 | 0.00 | 713,831,876,666 | 0 |
| 9/24/05 | 227.00 | 5.400 | 73.5903 | 0.00 | 720,177,048,903 | 0 |
| 5/5/07 | 227.00 | 5.400 | 73.5903 | 0.00 | 720,177,048,903 | 0 |
| 10/25/09 | 227.00 | 5.400 | 73.5903 | 0.10 | 720,177,048,903 | 720,177,049 |
| 6/9/01 | 228.00 | 5.300 | 73.9145 | 0.00 | 723,349,635,022 | 0 |
| 8/2/04 | 228.00 | 5.300 | 73.9145 | 0.00 | 723,349,635,022 | 0 |
| 10/23/85 | 230.00 | 5.300 | 74.5629 | 0.00 | 729,694,807,259 | 0 |
| 10/25/85 | 230.00 | 5.300 | 74.5629 | 0.00 | 729,694,807,259 | 0 |
| 9/25/01 | 230.00 | 5.300 | 74.5629 | 0.10 | 729,694,807,259 | 729,694,807 |
| 6/7/86 | 232.00 | 5.200 | 75.2112 | 0.00 | 736,039,979,496 | 0 |
| 7/10/04 | 237.00 | 5.200 | 76.8322 | 0.00 | 751,902,910,088 | 0 |
| 6/2/95 | 239.00 | 5.200 | 77.4805 | 0.00 | 758,248,082,325 | 0 |
| 5/12/94 | 241.00 | 5.200 | 78.1289 | 0.00 | 764,593,254,562 | 0 |
| 9/25/05 | 242.00 | 5.200 | 78.4531 | 0.10 | 767,765,840,681 | 767,765,841 |
| 5/9/90 | 243.00 | 5.100 | 78.7773 | 0.00 | 770,938,426,800 | 0 |
| 5/20/04 | 243.00 | 5.100 | 78.7773 | 0.00 | 770,938,426,800 | 0 |
| 7/31/89 | 248.00 | 5.100 | 80.3982 | 0.00 | 786,801,357,392 | 0 |
| 6/27/99 | 248.00 | 5.100 | 80.3982 | 0.00 | 786,801,357,392 | 0 |
| 5/27/84 | 249.00 | 5.100 | 80.7224 | 0.00 | 789,973,943,511 | 0 |
| 6/24/04 | 249.00 | 5.100 | 80.7224 | 0.10 | 789,973,943,511 | 789,973,944 |
| 10/16/85 | 250.00 | 5.000 | 81.0466 | 0.00 | 793,146,529,629 | 0 |
| 10/28/85 | 250.00 | 5.000 | 81.0466 | 0.00 | 793,146,529,629 | 0 |
| 5/23/80 | 252.00 | 5.000 | 81.6950 | 0.00 | 799,491,701,866 | 0 |
| 7/9/89 | 252.00 | 5.000 | 81.6950 | 0.10 | 799,491,701,866 | 799,491,702 |
| 6/15/03 | 253.00 | 4.900 | 82.0192 | 0.00 | 802,664,287,985 | 0 |
| 7/27/91 | 255.00 | 4.900 | 82.6675 | 0.00 | 809,009,460,222 | 0 |
| 6/30/01 | 258.00 | 4.900 | 83.6401 | 0.00 | 818,527,218,577 | 0 |
| 9/25/09 | 259.00 | 4.900 | 83.9643 | 0.00 | 821,699,804,696 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/30/07 | 263.00 | 4.900 | 85.2610 | 0.10 | 834,390,149,170 | 834,390,149 |
| 6/8/86 | 264.00 | 4.800 | 85.5852 | 0.00 | 837,562,735,288 | 0 |
| 5/25/83 | 265.00 | 4.800 | 85.9094 | 0.00 | 840,735,321,407 | 0 |
| 6/24/93 | 265.00 | 4.800 | 85.9094 | 0.00 | 840,735,321,407 | 0 |
| 9/13/03 | 265.00 | 4.800 | 85.9094 | 0.00 | 840,735,321,407 | 0 |
| 5/18/83 | 270.00 | 4.800 | 87.5303 | 0.10 | 856,598,251,999 | 856,598,252 |
| 5/21/97 | 272.00 | 4.700 | 88.1787 | 0.00 | 862,943,424,237 | 0 |
| 5/23/91 | 273.00 | 4.700 | 88.5029 | 0.00 | 866,116,010,355 | 0 |
| 5/17/81 | 278.00 | 4.700 | 90.1238 | 0.00 | 881,978,940,948 | 0 |
| 5/10/90 | 278.00 | 4.700 | 90.1238 | 0.00 | 881,978,940,948 | 0 |
| 9/15/09 | 278.00 | 4.700 | 90.1238 | 0.00 | 881,978,940,948 | 0 |
| 7/3/01 | 280.00 | 4.700 | 90.7722 | 0.10 | 888,324,113,185 | 888,324,113 |
| 6/27/92 | 283.00 | 4.600 | 91.7447 | 0.00 | 897,841,871,540 | 0 |
| 7/11/04 | 283.00 | 4.600 | 91.7447 | 0.00 | 897,841,871,540 | 0 |
| 10/16/09 | 284.00 | 4.600 | 92.0689 | 0.00 | 901,014,457,659 | 0 |
| 5/9/84 | 285.00 | 4.600 | 92.3931 | 0.00 | 904,187,043,777 | 0 |
| 5/13/91 | 288.00 | 4.600 | 93.3657 | 0.10 | 913,704,802,133 | 913,704,802 |
| 10/26/84 | 290.00 | 4.500 | 94.0140 | 0.00 | 920,049,974,370 | 0 |
| 5/29/80 | 291.00 | 4.500 | 94.3382 | 0.00 | 923,222,560,488 | 0 |
| 8/30/96 | 291.00 | 4.500 | 94.3382 | 0.00 | 923,222,560,488 | 0 |
| 7/7/07 | 291.00 | 4.500 | 94.3382 | 0.00 | 923,222,560,488 | 0 |
| 10/2/09 | 292.00 | 4.500 | 94.6624 | 0.10 | 926,395,146,607 | 926,395,147 |
| 7/22/05 | 296.00 | 4.400 | 95.9592 | 0.00 | 939,085,491,081 | 0 |
| 6/8/84 | 300.00 | 4.400 | 97.2559 | 0.00 | 951,775,835,555 | 0 |
| 7/4/91 | 300.00 | 4.400 | 97.2559 | 0.00 | 951,775,835,555 | 0 |
| 9/12/98 | 300.00 | 4.400 | 97.2559 | 0.00 | 951,775,835,555 | 0 |
| 8/13/84 | 305.00 | 4.400 | 98.8768 | 0.10 | 967,638,766,148 | 967,638,766 |
| 6/8/01 | 307.00 | 4.300 | 99.5252 | 0.00 | 973,983,938,385 | 0 |
| 5/11/93 | 310.00 | 4.300 | 100.4978 | 0.00 | 983,501,696,740 | 0 |
| 8/3/83 | 313.00 | 4.300 | 101.4703 | 0.00 | 993,019,455,096 | 0 |
| 8/10/83 | 314.00 | 4.300 | 101.7945 | 0.00 | 996,192,041,214 | 0 |
| 8/16/91 | 317.00 | 4.300 | 102.7671 | 0.10 | 1,005,709,799,570 | 1,005,709,800 |
| 6/6/83 | 320.00 | 4.200 | 103.7396 | 0.00 | 1,015,227,557,925 | 0 |
| 10/27/02 | 322.00 | 4.200 | 104.3880 | 0.00 | 1,021,572,730,162 | 0 |
| 5/12/09 | 323.00 | 4.200 | 104.7122 | 0.00 | 1,024,745,316,281 | 0 |
| 6/21/03 | 327.00 | 4.200 | 106.0089 | 0.00 | 1,037,435,660,755 | 0 |
| 5/20/00 | 333.00 | 4.200 | 107.9541 | 0.10 | 1,056,471,177,466 | 1,056,471,177 |
| 5/19/04 | 334.00 | 4.100 | 108.2782 | 0.00 | 1,059,643,763,585 | 0 |
| 5/1/82 | 337.00 | 4.100 | 109.2508 | 0.00 | 1,069,161,521,940 | 0 |
| 6/28/93 | 338.00 | 4.100 | 109.5750 | 0.00 | 1,072,334,108,059 | 0 |
| 7/3/91 | 340.00 | 4.100 | 110.2234 | 0.00 | 1,078,679,280,296 | 0 |
| 5/6/94 | 344.00 | 4.100 | 111.5201 | 0.10 | 1,091,369,624,770 | 1,091,369,625 |
| 5/22/97 | 346.00 | 4.000 | 112.1685 | 0.00 | 1,097,714,797,007 | 0 |
| 6/18/03 | 347.00 | 4.000 | 112.4927 | 0.00 | 1,100,887,383,125 | 0 |
| 5/22/91 | 348.00 | 4.000 | 112.8169 | 0.00 | 1,104,059,969,244 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 10/24/85 | 350.00 | 4.000 | 113.4652 | 0.00 | 1,110,405,141,481 | 0 |
| 6/17/86 | 350.00 | 4.000 | 113.4652 | 0.00 | 1,110,405,141,481 | 0 |
| 9/4/01 | 350.00 | 4.000 | 113.4652 | 0.10 | 1,110,405,141,481 | 1,110,405,141 |
| 6/28/83 | 351.00 | 3.900 | 113.7894 | 0.00 | 1,113,577,727,599 | 0 |
| 5/22/80 | 353.00 | 3.900 | 114.4378 | 0.00 | 1,119,922,899,836 | 0 |
| 10/21/94 | 354.00 | 3.900 | 114.7620 | 0.00 | 1,123,095,485,955 | 0 |
| 5/15/83 | 361.00 | 3.900 | 117.0313 | 0.00 | 1,145,303,588,784 | 0 |
| 6/15/89 | 365.00 | 3.900 | 118.3280 | 0.10 | 1,157,993,933,259 | 1,157,993,933 |
| 6/12/91 | 366.00 | 3.800 | 118.6522 | 0.00 | 1,161,166,519,377 | 0 |
| 5/28/97 | 373.00 | 3.800 | 120.9215 | 0.00 | 1,183,374,622,207 | 0 |
| 5/4/90 | 376.00 | 3.800 | 121.8941 | 0.00 | 1,192,892,380,562 | 0 |
| 7/5/91 | 381.00 | 3.800 | 123.5150 | 0.00 | 1,208,755,311,155 | 0 |
| 5/4/07 | 382.00 | 3.800 | 123.8392 | 0.10 | 1,211,927,897,273 | 1,211,927,897 |
| 10/22/06 | 384.00 | 3.700 | 124.4876 | 0.00 | 1,218,273,069,510 | 0 |
| 5/8/94 | 385.00 | 3.700 | 124.8118 | 0.00 | 1,221,445,655,629 | 0 |
| 5/15/85 | 386.00 | 3.700 | 125.1359 | 0.00 | 1,224,618,241,747 | 0 |
| 6/26/04 | 386.00 | 3.700 | 125.1359 | 0.00 | 1,224,618,241,747 | 0 |
| 10/26/09 | 386.00 | 3.700 | 125.1359 | 0.10 | 1,224,618,241,747 | 1,224,618,242 |
| 8/14/91 | 388.00 | 3.600 | 125.7843 | 0.00 | 1,230,963,413,984 | 0 |
| 10/3/09 | 388.00 | 3.600 | 125.7843 | 0.00 | 1,230,963,413,984 | 0 |
| 6/13/03 | 389.00 | 3.600 | 126.1085 | 0.00 | 1,234,136,000,103 | 0 |
| 5/17/04 | 389.00 | 3.600 | 126.1085 | 0.00 | 1,234,136,000,103 | 0 |
| 7/1/01 | 391.00 | 3.600 | 126.7569 | 0.10 | 1,240,481,172,340 | 1,240,481,172 |
| 5/2/94 | 392.00 | 3.500 | 127.0811 | 0.00 | 1,243,653,758,458 | 0 |
| 5/14/82 | 397.00 | 3.500 | 128.7020 | 0.00 | 1,259,516,689,051 | 0 |
| 10/30/02 | 398.00 | 3.500 | 129.0262 | 0.00 | 1,262,689,275,170 | 0 |
| 9/16/08 | 401.00 | 3.500 | 129.9987 | 0.00 | 1,272,207,033,525 | 0 |
| 7/2/01 | 405.00 | 3.500 | 131.2955 | 0.10 | 1,284,897,377,999 | 1,284,897,378 |
| 9/5/01 | 406.00 | 3.400 | 131.6197 | 0.00 | 1,288,069,964,118 | 0 |
| 5/8/84 | 411.00 | 3.400 | 133.2406 | 0.00 | 1,303,932,894,710 | 0 |
| 6/27/83 | 414.00 | 3.400 | 134.2132 | 0.00 | 1,313,450,653,066 | 0 |
| 7/29/07 | 414.00 | 3.400 | 134.2132 | 0.00 | 1,313,450,653,066 | 0 |
| 9/14/08 | 415.00 | 3.400 | 134.5373 | 0.00 | 1,316,623,239,184 | 0 |
| 7/8/89 | 418.00 | 3.400 | 135.5099 | 0.10 | 1,326,140,997,540 | 1,326,140,998 |
| 6/29/04 | 420.00 | 3.300 | 136.1583 | 0.00 | 1,332,486,169,777 | 0 |
| 7/15/89 | 421.00 | 3.300 | 136.4825 | 0.00 | 1,335,658,755,895 | 0 |
| 10/29/09 | 423.00 | 3.300 | 137.1308 | 0.00 | 1,342,003,928,133 | 0 |
| 10/21/02 | 428.00 | 3.300 | 138.7518 | 0.00 | 1,357,866,858,725 | 0 |
| 6/7/84 | 430.00 | 3.300 | 139.4001 | 0.10 | 1,364,212,030,962 | 1,364,212,031 |
| 5/11/94 | 431.00 | 3.200 | 139.7243 | 0.00 | 1,367,384,617,081 | 0 |
| 5/22/84 | 434.00 | 3.200 | 140.6969 | 0.00 | 1,376,902,375,436 | 0 |
| 5/21/00 | 434.00 | 3.200 | 140.6969 | 0.00 | 1,376,902,375,436 | 0 |
| 7/3/04 | 435.00 | 3.200 | 141.0211 | 0.00 | 1,380,074,961,555 | 0 |
| 7/3/05 | 438.00 | 3.200 | 141.9936 | 0.10 | 1,389,592,719,910 | 1,389,592,720 |
| 5/5/90 | 441.00 | 3.100 | 142.9662 | 0.00 | 1,399,110,478,266 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/12/91 | 444.00 | 3.100 | 143.9387 | 0.00 | 1,408,628,236,621 | 0 |
| 5/4/04 | 446.00 | 3.100 | 144.5871 | 0.00 | 1,414,973,408,858 | 0 |
| 6/26/83 | 449.00 | 3.100 | 145.5597 | 0.00 | 1,424,491,167,214 | 0 |
| 6/10/91 | 449.00 | 3.100 | 145.5597 | 0.10 | 1,424,491,167,214 | 1,424,491,167 |
| 5/1/91 | 453.00 | 3.000 | 146.8564 | 0.00 | 1,437,181,511,688 | 0 |
| 10/19/84 | 458.00 | 3.000 | 148.4774 | 0.00 | 1,453,044,442,281 | 0 |
| 5/7/91 | 458.00 | 3.000 | 148.4774 | 0.00 | 1,453,044,442,281 | 0 |
| 5/2/00 | 458.00 | 3.000 | 148.4774 | 0.00 | 1,453,044,442,281 | 0 |
| 10/29/06 | 462.00 | 3.000 | 149.7741 | 0.10 | 1,465,734,786,755 | 1,465,734,787 |
| 7/7/89 | 466.00 | 2.900 | 151.0708 | 0.00 | 1,478,425,131,229 | 0 |
| 5/3/91 | 481.00 | 2.900 | 155.9336 | 0.00 | 1,526,013,923,006 | 0 |
| 6/27/04 | 483.00 | 2.900 | 156.5820 | 0.00 | 1,532,359,095,244 | 0 |
| 5/16/04 | 489.00 | 2.900 | 158.5271 | 0.00 | 1,551,394,611,955 | 0 |
| 5/4/09 | 496.00 | 2.900 | 160.7964 | 0.10 | 1,573,602,714,784 | 1,573,602,715 |
| 10/29/85 | 500.00 | 2.800 | 162.0932 | 0.00 | 1,586,293,059,258 | 0 |
| 5/13/90 | 507.00 | 2.800 | 164.3625 | 0.00 | 1,608,501,162,088 | 0 |
| 6/25/04 | 512.00 | 2.800 | 165.9834 | 0.00 | 1,624,364,092,680 | 0 |
| 8/4/83 | 523.00 | 2.800 | 169.5495 | 0.00 | 1,659,262,539,984 | 0 |
| 6/13/86 | 523.00 | 2.800 | 169.5495 | 0.10 | 1,659,262,539,984 | 1,659,262,540 |
| 9/24/01 | 528.00 | 2.700 | 171.1704 | 0.00 | 1,675,125,470,577 | 0 |
| 5/10/94 | 531.00 | 2.700 | 172.1430 | 0.00 | 1,684,643,228,932 | 0 |
| 5/14/90 | 537.00 | 2.700 | 174.0881 | 0.00 | 1,703,678,745,643 | 0 |
| 5/18/04 | 542.00 | 2.700 | 175.7090 | 0.00 | 1,719,541,676,236 | 0 |
| 5/21/91 | 549.00 | 2.700 | 177.9783 | 0.00 | 1,741,749,779,066 | 0 |
| 7/5/89 | 554.00 | 2.700 | 179.5992 | 0.10 | 1,757,612,709,658 | 1,757,612,710 |
| 8/12/84 | 567.00 | 2.600 | 183.8137 | 0.00 | 1,798,856,329,199 | 0 |
| 10/31/91 | 577.00 | 2.600 | 187.0555 | 0.00 | 1,830,582,190,384 | 0 |
| 6/27/93 | 580.00 | 2.600 | 188.0281 | 0.00 | 1,840,099,948,740 | 0 |
| 6/8/81 | 588.00 | 2.600 | 190.6216 | 0.00 | 1,865,480,637,688 | 0 |
| 5/15/91 | 588.00 | 2.600 | 190.6216 | 0.10 | 1,865,480,637,688 | 1,865,480,638 |
| 6/5/90 | 596.00 | 2.500 | 193.2151 | 0.00 | 1,890,861,326,636 | 0 |
| 5/15/82 | 606.00 | 2.500 | 196.4569 | 0.00 | 1,922,587,187,821 | 0 |
| 7/6/89 | 607.00 | 2.500 | 196.7811 | 0.00 | 1,925,759,773,940 | 0 |
| 10/22/09 | 611.00 | 2.500 | 198.0779 | 0.00 | 1,938,450,118,414 | 0 |
| 5/3/93 | 615.00 | 2.500 | 199.3746 | 0.10 | 1,951,140,462,888 | 1,951,140,463 |
| 6/1/97 | 627.00 | 2.400 | 203.2649 | 0.00 | 1,989,211,496,310 | 0 |
| 10/25/84 | 646.00 | 2.400 | 209.4244 | 0.00 | 2,049,490,632,562 | 0 |
| 8/9/83 | 647.00 | 2.400 | 209.7486 | 0.00 | 2,052,663,218,680 | 0 |
| 5/21/89 | 648.00 | 2.400 | 210.0728 | 0.00 | 2,055,835,804,799 | 0 |
| 5/24/83 | 653.00 | 2.400 | 211.6937 | 0.10 | 2,071,698,735,391 | 2,071,698,735 |
| 10/28/02 | 657.00 | 2.300 | 212.9904 | 0.00 | 2,084,389,079,865 | 0 |
| 5/8/91 | 715.00 | 2.300 | 231.7933 | 0.00 | 2,268,399,074,739 | 0 |
| 6/1/95 | 721.00 | 2.300 | 233.7384 | 0.00 | 2,287,434,591,450 | 0 |
| 10/15/01 | 721.00 | 2.300 | 233.7384 | 0.00 | 2,287,434,591,450 | 0 |
| 10/29/02 | 734.00 | 2.300 | 237.9528 | 0.10 | 2,328,678,210,991 | 2,328,678,211 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 5/5/81 | 736.00 | 2.200 | 238.6012 | 0.00 | 2,335,023,383,228 | 0 |
| 9/14/98 | 740.00 | 2.200 | 239.8979 | 0.00 | 2,347,713,727,702 | 0 |
| 5/6/00 | 741.00 | 2.200 | 240.2221 | 0.00 | 2,350,886,313,821 | 0 |
| 10/13/01 | 777.00 | 2.200 | 251.8928 | 0.00 | 2,465,099,414,087 | 0 |
| 6/9/86 | 794.00 | 2.200 | 257.4040 | 0.10 | 2,519,033,378,102 | 2,519,033,378 |
| 5/29/97 | 800.00 | 2.100 | 259.3491 | 0.00 | 2,538,068,894,813 | 0 |
| 10/20/94 | 803.00 | 2.100 | 260.3217 | 0.00 | 2,547,586,653,169 | 0 |
| 10/15/09 | 831.00 | 2.100 | 269.3989 | 0.00 | 2,636,419,064,487 | 0 |
| 6/30/04 | 832.00 | 2.100 | 269.7231 | 0.00 | 2,639,591,650,606 | 0 |
| 5/11/91 | 836.00 | 2.100 | 271.0198 | 0.10 | 2,652,281,995,080 | 2,652,281,995 |
| 6/8/89 | 872.00 | 2.000 | 282.6905 | 0.00 | 2,766,495,095,346 | 0 |
| 6/28/04 | 880.00 | 2.000 | 285.2840 | 0.00 | 2,791,875,784,295 | 0 |
| 10/30/91 | 896.00 | 2.000 | 290.4710 | 0.00 | 2,842,637,162,191 | 0 |
| 6/11/91 | 920.00 | 2.000 | 298.2515 | 0.00 | 2,918,779,229,035 | 0 |
| 8/15/91 | 926.00 | 2.000 | 300.1966 | 0.00 | 2,937,814,745,746 | 0 |
| 5/1/94 | 942.00 | 2.000 | 305.3836 | 0.10 | 2,988,576,123,643 | 2,988,576,124 |
| 6/11/86 | 944.00 | 1.900 | 306.0319 | 0.00 | 2,994,921,295,880 | 0 |
| 6/3/90 | 944.00 | 1.900 | 306.0319 | 0.00 | 2,994,921,295,880 | 0 |
| 5/2/93 | 950.00 | 1.900 | 307.9770 | 0.00 | 3,013,956,812,591 | 0 |
| 10/24/09 | 957.00 | 1.900 | 310.2464 | 0.00 | 3,036,164,915,420 | 0 |
| 5/9/94 | 970.00 | 1.900 | 314.4608 | 0.10 | 3,077,408,534,961 | 3,077,408,535 |
| 6/14/03 | 971.00 | 1.800 | 314.7850 | 0.00 | 3,080,581,121,080 | 0 |
| 6/10/86 | 977.00 | 1.800 | 316.7301 | 0.00 | 3,099,616,637,791 | 0 |
| 9/13/98 | 982.00 | 1.800 | 318.3510 | 0.00 | 3,115,479,568,383 | 0 |
| 5/17/89 | 987.00 | 1.800 | 319.9719 | 0.00 | 3,131,342,498,976 | 0 |
| 5/1/06 | 1,000.00 | 1.800 | 324.1864 | 0.10 | 3,172,586,118,517 | 3,172,586,119 |
| 5/18/91 | 1,010.00 | 1.700 | 327.4282 | 0.00 | 3,204,311,979,702 | 0 |
| 5/28/80 | 1,020.00 | 1.700 | 330.6701 | 0.00 | 3,236,037,840,887 | 0 |
| 6/5/81 | 1,020.00 | 1.700 | 330.6701 | 0.00 | 3,236,037,840,887 | 0 |
| 6/4/90 | 1,030.00 | 1.700 | 333.9120 | 0.00 | 3,267,763,702,072 | 0 |
| 5/17/83 | 1,040.00 | 1.700 | 337.1538 | 0.00 | 3,299,489,563,257 | 0 |
| 10/14/09 | 1,040.00 | 1.700 | 337.1538 | 0.10 | 3,299,489,563,257 | 3,299,489,563 |
| 5/16/91 | 1,060.00 | 1.600 | 343.6375 | 0.00 | 3,362,941,285,628 | 0 |
| 6/3/92 | 1,060.00 | 1.600 | 343.6375 | 0.00 | 3,362,941,285,628 | 0 |
| 9/15/08 | 1,070.00 | 1.600 | 346.8794 | 0.00 | 3,394,667,146,813 | 0 |
| 10/20/84 | 1,100.00 | 1.600 | 356.6050 | 0.00 | 3,489,844,730,368 | 0 |
| 10/30/85 | 1,100.00 | 1.600 | 356.6050 | 0.10 | 3,489,844,730,368 | 3,489,844,730 |
| 5/21/80 | 1,120.00 | 1.500 | 363.0887 | 0.00 | 3,553,296,452,739 | 0 |
| 6/12/86 | 1,130.00 | 1.500 | 366.3306 | 0.00 | 3,585,022,313,924 | 0 |
| 10/21/06 | 1,160.00 | 1.500 | 376.0562 | 0.00 | 3,680,199,897,479 | 0 |
| 5/16/83 | 1,170.00 | 1.500 | 379.2980 | 0.00 | 3,711,925,758,664 | 0 |
| 5/17/91 | 1,170.00 | 1.500 | 379.2980 | 0.10 | 3,711,925,758,664 | 3,711,925,759 |
| 10/11/84 | 1,190.00 | 1.400 | 385.7818 | 0.00 | 3,775,377,481,035 | 0 |
| 6/2/92 | 1,260.00 | 1.400 | 408.4748 | 0.00 | 3,997,458,509,331 | 0 |
| 5/3/00 | 1,260.00 | 1.400 | 408.4748 | 0.00 | 3,997,458,509,331 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 7/2/04 | 1,280.00 | 1.400 | 414.9585 | 0.00 | 4,060,910,231,701 | 0 |
| 5/19/83 | 1,300.00 | 1.400 | 421.4423 | 0.10 | 4,124,361,954,072 | 4,124,361,954 |
| 5/4/00 | 1,320.00 | 1.300 | 427.9260 | 0.00 | 4,187,813,676,442 | 0 |
| 5/15/04 | 1,360.00 | 1.300 | 440.8935 | 0.00 | 4,314,717,121,183 | 0 |
| 10/14/01 | 1,370.00 | 1.300 | 444.1353 | 0.00 | 4,346,442,982,368 | 0 |
| 10/28/09 | 1,450.00 | 1.300 | 470.0702 | 0.00 | 4,600,249,871,849 | 0 |
| 5/20/91 | 1,490.00 | 1.300 | 483.0377 | 0.10 | 4,727,153,316,590 | 4,727,153,317 |
| 5/19/91 | 1,530.00 | 1.200 | 496.0051 | 0.00 | 4,854,056,761,330 | 0 |
| 6/2/90 | 1,570.00 | 1.200 | 508.9726 | 0.00 | 4,980,960,206,071 | 0 |
| 5/5/00 | 1,570.00 | 1.200 | 508.9726 | 0.00 | 4,980,960,206,071 | 0 |
| 7/4/89 | 1,590.00 | 1.200 | 515.4563 | 0.00 | 5,044,411,928,441 | 0 |
| 10/26/06 | 1,620.00 | 1.200 | 525.1819 | 0.10 | 5,139,589,511,997 | 5,139,589,512 |
| 10/20/06 | 1,650.00 | 1.100 | 534.9075 | 0.00 | 5,234,767,095,552 | 0 |
| 10/23/09 | 1,660.00 | 1.100 | 538.1494 | 0.00 | 5,266,492,956,738 | 0 |
| 10/24/84 | 1,700.00 | 1.100 | 551.1168 | 0.00 | 5,393,396,401,478 | 0 |
| 10/10/84 | 1,710.00 | 1.100 | 554.3587 | 0.00 | 5,425,122,262,663 | 0 |
| 10/17/94 | 1,720.00 | 1.100 | 557.6005 | 0.10 | 5,456,848,123,849 | 5,456,848,124 |
| 7/1/04 | 1,730.00 | 1.000 | 560.8424 | 0.00 | 5,488,573,985,034 | 0 |
| 5/18/80 | 1,760.00 | 1.000 | 570.5680 | 0.00 | 5,583,751,568,589 | 0 |
| 6/1/90 | 1,770.00 | 1.000 | 573.8099 | 0.00 | 5,615,477,429,774 | 0 |
| 5/3/04 | 1,810.00 | 1.000 | 586.7773 | 0.00 | 5,742,380,874,515 | 0 |
| 5/5/94 | 1,840.00 | 1.000 | 596.5029 | 0.10 | 5,837,558,458,070 | 5,837,558,458 |
| 6/6/81 | 1,850.00 | 0.900 | 599.7448 | 0.00 | 5,869,284,319,256 | 0 |
| 5/16/80 | 1,880.00 | 0.900 | 609.4704 | 0.00 | 5,964,461,902,811 | 0 |
| 5/6/91 | 1,900.00 | 0.900 | 615.9541 | 0.00 | 6,027,913,625,181 | 0 |
| 10/27/09 | 1,900.00 | 0.900 | 615.9541 | 0.00 | 6,027,913,625,181 | 0 |
| 10/28/06 | 1,910.00 | 0.900 | 619.1960 | 0.10 | 6,059,639,486,367 | 6,059,639,486 |
| 5/10/91 | 1,990.00 | 0.800 | 645.1309 | 0.00 | 6,313,446,375,848 | 0 |
| 10/30/09 | 2,020.00 | 0.800 | 654.8565 | 0.00 | 6,408,623,959,403 | 0 |
| 5/20/80 | 2,050.00 | 0.800 | 664.5820 | 0.00 | 6,503,801,542,959 | 0 |
| 5/3/94 | 2,060.00 | 0.800 | 667.8239 | 0.00 | 6,535,527,404,144 | 0 |
| 5/1/04 | 2,090.00 | 0.800 | 677.5495 | 0.10 | 6,630,704,987,700 | 6,630,704,988 |
| 5/17/80 | 2,100.00 | 0.700 | 680.7914 | 0.00 | 6,662,430,848,885 | 0 |
| 10/18/06 | 2,100.00 | 0.700 | 680.7914 | 0.00 | 6,662,430,848,885 | 0 |
| 5/23/83 | 2,150.00 | 0.700 | 697.0007 | 0.00 | 6,821,060,154,811 | 0 |
| 5/20/89 | 2,280.00 | 0.700 | 739.1449 | 0.00 | 7,233,496,350,218 | 0 |
| 10/19/94 | 2,310.00 | 0.700 | 748.8705 | 0.00 | 7,328,673,933,773 | 0 |
| 10/31/85 | 2,380.00 | 0.700 | 771.5636 | 0.10 | 7,550,754,962,069 | 7,550,754,962 |
| 5/2/04 | 2,490.00 | 0.600 | 807.2241 | 0.00 | 7,899,739,435,106 | 0 |
| 10/27/06 | 2,490.00 | 0.600 | 807.2241 | 0.00 | 7,899,739,435,106 | 0 |
| 10/31/09 | 2,510.00 | 0.600 | 813.7078 | 0.00 | 7,963,191,157,477 | 0 |
| 10/19/06 | 2,560.00 | 0.600 | 829.9171 | 0.00 | 8,121,820,463,402 | 0 |
| 10/18/94 | 2,640.00 | 0.600 | 855.8520 | 0.10 | 8,375,627,352,884 | 8,375,627,353 |
| 5/19/80 | 2,670.00 | 0.500 | 865.5776 | 0.00 | 8,470,804,936,439 | 0 |
| 5/9/91 | 2,710.00 | 0.500 | 878.5451 | 0.00 | 8,597,708,381,180 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 6/7/81 | 2,760.00 | 0.500 | 894.7544 | 0.00 | 8,756,337,687,106 | 0 |
| 5/12/04 | 3,040.00 | 0.500 | 985.5266 | 0.00 | 9,644,661,800,290 | 0 |
| 10/23/84 | 3,160.00 | 0.500 | 1,024.4289 | 0.10 | 10,025,372,134,512 | 10,025,372,135 |
| 5/4/91 | 3,180.00 | 0.400 | 1,030.9126 | 0.00 | 10,088,823,856,883 | 0 |
| 5/14/04 | 3,200.00 | 0.400 | 1,037.3964 | 0.00 | 10,152,275,579,253 | 0 |
| 5/20/83 | 3,290.00 | 0.400 | 1,066.5731 | 0.00 | 10,437,808,329,920 | 0 |
| 5/4/94 | 3,330.00 | 0.400 | 1,079.5406 | 0.00 | 10,564,711,774,660 | 0 |
| 7/3/89 | 3,500.00 | 0.400 | 1,134.6523 | 0.10 | 11,104,051,414,808 | 11,104,051,415 |
| 10/21/84 | 3,570.00 | 0.300 | 1,157.3453 | 0.00 | 11,326,132,443,104 | 0 |
| 5/18/89 | 4,020.00 | 0.300 | 1,303.2292 | 0.00 | 12,753,796,196,437 | 0 |
| 5/22/83 | 4,530.00 | 0.300 | 1,468.5642 | 0.00 | 14,371,815,116,880 | 0 |
| 5/13/04 | 5,030.00 | 0.300 | 1,630.6574 | 0.00 | 15,958,108,176,138 | 0 |
| 6/27/89 | 5,100.00 | 0.300 | 1,653.3505 | 0.10 | 16,180,189,204,435 | 16,180,189,204 |
| 5/5/91 | 5,520.00 | 0.200 | 1,789.5087 | 0.00 | 17,512,675,374,212 | 0 |
| 10/16/06 | 5,730.00 | 0.200 | 1,857.5879 | 0.00 | 18,178,918,459,100 | 0 |
| 10/22/84 | 6,120.00 | 0.200 | 1,984.0206 | 0.00 | 19,416,227,045,321 | 0 |
| 6/30/89 | 6,270.00 | 0.200 | 2,032.6485 | 0.00 | 19,892,114,963,099 | 0 |
| 7/1/89 | 6,640.00 | 0.200 | 2,152.5975 | 0.10 | 21,065,971,826,950 | 21,065,971,827 |
| 5/19/89 | 7,130.00 | 0.100 | 2,311.4488 | 0.00 | 22,620,539,025,023 | 0 |
| 5/21/83 | 9,070.00 | 0.100 | 2,940.3703 | 0.00 | 28,775,356,094,945 | 0 |
| 6/29/89 | 9,670.00 | 0.100 | 3,134.8822 | 0.00 | 30,678,907,766,055 | 0 |
| 7/2/89 | 10,700.00 | 0.100 | 3,468.7941 | 0.00 | 33,946,671,468,127 | 0 |
| 6/28/89 | 12,100.00 | 0.100 | 3,922.6550 | 0.10 | 38,388,292,034,051 | 38,388,292,034 |
| 10/17/06 | 17,300.00 | 0.000 | 5,608.4241 | 0.00 | 54,885,739,850,337 | 0 |

**Table C-4. Summary of winter reductions**

| Date | Observed Concentration (MPN/100 mL) | Area weighted flow on sampling day (cfs) | Percent exceedance for flow on sampling day | Current load (MPN/day) | Reduced load (MPN/day) | Allowable load with MOS incorporated (MPN/day) | Reduced load less than or equal to allow load? |
|---|---|---|---|---|---|---|---|
| 11/26/2007 | 16,000 | 10.04977733 | 76.6 | 3.934E+12 | 3.934E+11 | 3.934E+11 | Yes |
| 4/23/2008 | 16,000 | 199.3746148 | 10.3 | 7.805E+13 | 7.805E+12 | 7.805E+12 | Yes |
| 2/18/2008 | 1,600 | 427.9260025 | 4.7 | 1.675E+13 | 1.675E+12 | 1.675E+13 | Yes |
| 3/12/2008 | 900 | 150.0982873 | 12.4 | 3.305E+12 | 3.305E+11 | 5.876E+12 | Yes |
| 12/12/2007 | 170 | 2.755584107 | 95.4 | 1.146E+10 | 1.146E+09 | 1.079E+11 | Yes |
| 1/30/2008 | 170 | 15.56094555 | 66.7 | 6.472E+10 | 6.472E+09 | 6.091E+11 | Yes |

**Table C-5. Load duration curve winter statistics**

| | | |
|---|---|---|
| Total No. of samples = | 6 | |
| MOS = | 20% | |
| WQ standard for = | 2,000 | MPN/100 mL |
| Percent Reduction Required = | 90.0 | |
| Allowable percentage of exceedences = | *0%* | |
| No. of exceedances after reductions = | 0 | |
| | | |
| Sum of flow on sampling day | 806 | cfs |
| Sum of current loads | 1.021E+14 | MPN/d |
| Flow weighted avg conc | *5,180* | MPN/100 mL |
| Average flow | 86 | cfs |
| | | |
| Existing total load | 1.088E+13 | MPN/d |
| Existing point source load | 6.624E+08 | MPN/d |
| Existing remaining load | 1.088E+13 | MPN/d |
| | | |
| Total allowable loading | 4.245E+12 | MPN/d |
| Explicit MOS (20%) | 8.490E+11 | MPN/d |
| WLA | 6.624E+08 | MPN/d |
| LA | 3.395E+12 | MPN/d |
| | | |
| USGS drainage area ($mi^2$) = | 148 | |
| SS drainage area ($mi^2$) = | 47.98 | |

**Table C-6. Flow duration curve winter values**

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| | | | | | | 4,245,034,439,675 |
| 11/1/00 | 1.50 | 100.00 | 0.4863 | 0.00 | 23,794,395,889 | 0 |
| 11/2/00 | 1.80 | 100.00 | 0.5835 | 0.00 | 28,553,275,067 | 0 |
| 11/21/81 | 2.40 | 100.00 | 0.7780 | 0.00 | 38,071,033,422 | 0 |
| 11/8/81 | 2.50 | 100.00 | 0.8105 | 0.00 | 39,657,326,481 | 0 |
| 11/20/81 | 2.50 | 100.00 | 0.8105 | 0.00 | 39,657,326,481 | 0 |
| 11/22/81 | 2.50 | 100.00 | 0.8105 | 0.10 | 39,657,326,481 | 39,657,326 |
| 11/11/80 | 2.60 | 99.90 | 0.8429 | 0.00 | 41,243,619,541 | 0 |
| 11/7/81 | 2.60 | 99.90 | 0.8429 | 0.00 | 41,243,619,541 | 0 |
| 11/19/81 | 2.60 | 99.90 | 0.8429 | 0.00 | 41,243,619,541 | 0 |
| 11/12/80 | 2.70 | 99.90 | 0.8753 | 0.00 | 42,829,912,600 | 0 |
| 11/18/81 | 2.80 | 99.90 | 0.9077 | 0.00 | 44,416,205,659 | 0 |
| 11/23/81 | 2.80 | 99.90 | 0.9077 | 0.10 | 44,416,205,659 | 44,416,206 |
| 11/17/81 | 2.90 | 99.80 | 0.9401 | 0.00 | 46,002,498,718 | 0 |
| 11/24/81 | 2.90 | 99.80 | 0.9401 | 0.00 | 46,002,498,718 | 0 |
| 11/10/80 | 3.00 | 99.80 | 0.9726 | 0.00 | 47,588,791,778 | 0 |
| 11/13/80 | 3.00 | 99.80 | 0.9726 | 0.00 | 47,588,791,778 | 0 |
| 11/16/81 | 3.00 | 99.80 | 0.9726 | 0.10 | 47,588,791,778 | 47,588,792 |
| 11/14/80 | 3.10 | 99.70 | 1.0050 | 0.00 | 49,175,084,837 | 0 |
| 11/25/81 | 3.10 | 99.70 | 1.0050 | 0.00 | 49,175,084,837 | 0 |
| 11/5/08 | 3.20 | 99.70 | 1.0374 | 0.00 | 50,761,377,896 | 0 |
| 11/6/08 | 3.20 | 99.70 | 1.0374 | 0.00 | 50,761,377,896 | 0 |
| 11/10/08 | 3.20 | 99.70 | 1.0374 | 0.10 | 50,761,377,896 | 50,761,378 |
| 11/26/81 | 3.30 | 99.60 | 1.0698 | 0.00 | 52,347,670,956 | 0 |
| 11/2/08 | 3.30 | 99.60 | 1.0698 | 0.00 | 52,347,670,956 | 0 |
| 11/3/08 | 3.30 | 99.60 | 1.0698 | 0.00 | 52,347,670,956 | 0 |
| 11/4/08 | 3.30 | 99.60 | 1.0698 | 0.10 | 52,347,670,956 | 52,347,671 |
| 11/15/81 | 3.40 | 99.50 | 1.1022 | 0.00 | 53,933,964,015 | 0 |
| 11/27/81 | 3.40 | 99.50 | 1.1022 | 0.00 | 53,933,964,015 | 0 |
| 11/1/08 | 3.40 | 99.50 | 1.1022 | 0.00 | 53,933,964,015 | 0 |
| 11/7/08 | 3.40 | 99.50 | 1.1022 | 0.00 | 53,933,964,015 | 0 |
| 11/8/08 | 3.40 | 99.50 | 1.1022 | 0.00 | 53,933,964,015 | 0 |
| 11/9/08 | 3.40 | 99.50 | 1.1022 | 0.10 | 53,933,964,015 | 53,933,964 |
| 11/9/80 | 3.50 | 99.40 | 1.1347 | 0.00 | 55,520,257,074 | 0 |
| 11/6/81 | 3.50 | 99.40 | 1.1347 | 0.00 | 55,520,257,074 | 0 |
| 11/17/07 | 3.50 | 99.40 | 1.1347 | 0.00 | 55,520,257,074 | 0 |
| 11/8/80 | 3.60 | 99.40 | 1.1671 | 0.00 | 57,106,550,133 | 0 |
| 11/16/07 | 3.60 | 99.40 | 1.1671 | 0.10 | 57,106,550,133 | 57,106,550 |
| 11/28/81 | 3.70 | 99.30 | 1.1995 | 0.00 | 58,692,843,193 | 0 |
| 11/8/07 | 3.70 | 99.30 | 1.1995 | 0.00 | 58,692,843,193 | 0 |
| 11/12/07 | 3.70 | 99.30 | 1.1995 | 0.00 | 58,692,843,193 | 0 |
| 11/7/07 | 3.80 | 99.30 | 1.2319 | 0.00 | 60,279,136,252 | 0 |
| 11/11/07 | 3.80 | 99.30 | 1.2319 | 0.10 | 60,279,136,252 | 60,279,136 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/6/80 | 3.90 | 99.20 | 1.2643 | 0.00 | 61,865,429,311 | 0 |
| 11/7/80 | 3.90 | 99.20 | 1.2643 | 0.00 | 61,865,429,311 | 0 |
| 11/14/81 | 4.00 | 99.20 | 1.2967 | 0.00 | 63,451,722,370 | 0 |
| 11/6/07 | 4.00 | 99.20 | 1.2967 | 0.00 | 63,451,722,370 | 0 |
| 11/10/07 | 4.00 | 99.20 | 1.2967 | 0.00 | 63,451,722,370 | 0 |
| 11/13/07 | 4.00 | 99.20 | 1.2967 | 0.10 | 63,451,722,370 | 63,451,722 |
| 11/4/07 | 4.10 | 99.10 | 1.3292 | 0.00 | 65,038,015,430 | 0 |
| 11/5/07 | 4.10 | 99.10 | 1.3292 | 0.00 | 65,038,015,430 | 0 |
| 11/9/07 | 4.10 | 99.10 | 1.3292 | 0.00 | 65,038,015,430 | 0 |
| 11/11/08 | 4.10 | 99.10 | 1.3292 | 0.10 | 65,038,015,430 | 65,038,015 |
| 11/5/80 | 4.20 | 99.00 | 1.3616 | 0.00 | 66,624,308,489 | 0 |
| 11/1/07 | 4.20 | 99.00 | 1.3616 | 0.00 | 66,624,308,489 | 0 |
| 11/2/07 | 4.20 | 99.00 | 1.3616 | 0.00 | 66,624,308,489 | 0 |
| 11/3/07 | 4.30 | 99.00 | 1.3940 | 0.00 | 68,210,601,548 | 0 |
| 11/15/07 | 4.30 | 99.00 | 1.3940 | 0.00 | 68,210,601,548 | 0 |
| 11/4/80 | 4.80 | 99.00 | 1.5561 | 0.00 | 76,142,066,844 | 0 |
| 11/5/81 | 4.80 | 99.00 | 1.5561 | 0.10 | 76,142,066,844 | 76,142,067 |
| 11/13/81 | 4.90 | 98.90 | 1.5885 | 0.00 | 77,728,359,904 | 0 |
| 11/29/81 | 4.90 | 98.90 | 1.5885 | 0.00 | 77,728,359,904 | 0 |
| 12/8/81 | 5.20 | 98.90 | 1.6858 | 0.00 | 82,487,239,081 | 0 |
| 11/13/82 | 5.30 | 98.90 | 1.7182 | 0.00 | 84,073,532,141 | 0 |
| 11/3/00 | 5.30 | 98.90 | 1.7182 | 0.00 | 84,073,532,141 | 0 |
| 11/14/07 | 5.30 | 98.90 | 1.7182 | 0.10 | 84,073,532,141 | 84,073,532 |
| 11/11/82 | 5.40 | 98.80 | 1.7506 | 0.00 | 85,659,825,200 | 0 |
| 11/14/82 | 5.40 | 98.80 | 1.7506 | 0.00 | 85,659,825,200 | 0 |
| 11/12/82 | 5.50 | 98.80 | 1.7830 | 0.00 | 87,246,118,259 | 0 |
| 11/15/82 | 5.50 | 98.80 | 1.7830 | 0.10 | 87,246,118,259 | 87,246,118 |
| 11/10/82 | 5.60 | 98.70 | 1.8154 | 0.00 | 88,832,411,318 | 0 |
| 12/7/81 | 5.70 | 98.70 | 1.8479 | 0.00 | 90,418,704,378 | 0 |
| 12/13/81 | 5.70 | 98.70 | 1.8479 | 0.00 | 90,418,704,378 | 0 |
| 11/3/80 | 5.80 | 98.70 | 1.8803 | 0.00 | 92,004,997,437 | 0 |
| 4/30/81 | 5.80 | 98.70 | 1.8803 | 0.00 | 92,004,997,437 | 0 |
| 12/6/81 | 5.80 | 98.70 | 1.8803 | 0.00 | 92,004,997,437 | 0 |
| 12/9/81 | 5.80 | 98.70 | 1.8803 | 0.10 | 92,004,997,437 | 92,004,997 |
| 12/10/81 | 5.90 | 98.60 | 1.9127 | 0.00 | 93,591,290,496 | 0 |
| 12/11/81 | 5.90 | 98.60 | 1.9127 | 0.00 | 93,591,290,496 | 0 |
| 12/12/81 | 5.90 | 98.60 | 1.9127 | 0.00 | 93,591,290,496 | 0 |
| 11/9/82 | 5.90 | 98.60 | 1.9127 | 0.00 | 93,591,290,496 | 0 |
| 11/3/03 | 5.90 | 98.60 | 1.9127 | 0.10 | 93,591,290,496 | 93,591,290 |
| 1/2/81 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |
| 1/4/81 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |
| 1/5/81 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |
| 4/29/81 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |
| 11/1/90 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |
| 11/7/03 | 6.00 | 98.50 | 1.9451 | 0.00 | 95,177,583,555 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/8/03 | 6.00 | 98.50 | 1.9451 | 0.10 | 95,177,583,555 | 95,177,584 |
| 4/20/81 | 6.10 | 98.40 | 1.9775 | 0.00 | 96,763,876,615 | 0 |
| 11/2/90 | 6.10 | 98.40 | 1.9775 | 0.10 | 96,763,876,615 | 96,763,877 |
| 1/3/81 | 6.20 | 98.30 | 2.0100 | 0.00 | 98,350,169,674 | 0 |
| 4/21/81 | 6.20 | 98.30 | 2.0100 | 0.00 | 98,350,169,674 | 0 |
| 12/14/81 | 6.20 | 98.30 | 2.0100 | 0.00 | 98,350,169,674 | 0 |
| 11/3/90 | 6.20 | 98.30 | 2.0100 | 0.00 | 98,350,169,674 | 0 |
| 11/2/03 | 6.20 | 98.30 | 2.0100 | 0.00 | 98,350,169,674 | 0 |
| 11/6/03 | 6.20 | 98.30 | 2.0100 | 0.10 | 98,350,169,674 | 98,350,170 |
| 12/5/81 | 6.30 | 98.20 | 2.0424 | 0.00 | 99,936,462,733 | 0 |
| 11/9/03 | 6.30 | 98.20 | 2.0424 | 0.00 | 99,936,462,733 | 0 |
| 1/1/81 | 6.50 | 98.20 | 2.1072 | 0.00 | 103,109,048,852 | 0 |
| 4/18/81 | 6.50 | 98.20 | 2.1072 | 0.00 | 103,109,048,852 | 0 |
| 11/16/82 | 6.50 | 98.20 | 2.1072 | 0.00 | 103,109,048,852 | 0 |
| 11/7/99 | 6.50 | 98.20 | 2.1072 | 0.00 | 103,109,048,852 | 0 |
| 11/4/03 | 6.50 | 98.20 | 2.1072 | 0.10 | 103,109,048,852 | 103,109,049 |
| 12/29/80 | 6.60 | 98.10 | 2.1396 | 0.00 | 104,695,341,911 | 0 |
| 12/16/81 | 6.60 | 98.10 | 2.1396 | 0.00 | 104,695,341,911 | 0 |
| 11/8/82 | 6.60 | 98.10 | 2.1396 | 0.00 | 104,695,341,911 | 0 |
| 11/1/03 | 6.60 | 98.10 | 2.1396 | 0.10 | 104,695,341,911 | 104,695,342 |
| 12/22/80 | 6.70 | 98.00 | 2.1720 | 0.00 | 106,281,634,970 | 0 |
| 12/30/80 | 6.70 | 98.00 | 2.1720 | 0.00 | 106,281,634,970 | 0 |
| 12/31/80 | 6.70 | 98.00 | 2.1720 | 0.00 | 106,281,634,970 | 0 |
| 4/19/81 | 6.70 | 98.00 | 2.1720 | 0.00 | 106,281,634,970 | 0 |
| 12/15/81 | 6.70 | 98.00 | 2.1720 | 0.00 | 106,281,634,970 | 0 |
| 11/5/03 | 6.70 | 98.00 | 2.1720 | 0.10 | 106,281,634,970 | 106,281,635 |
| 11/5/96 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/2/99 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/8/99 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/16/99 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/19/99 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/10/03 | 6.80 | 97.90 | 2.2045 | 0.00 | 107,867,928,030 | 0 |
| 11/15/03 | 6.80 | 97.90 | 2.2045 | 0.20 | 107,867,928,030 | 215,735,856 |
| 12/8/80 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 12/21/80 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 12/25/80 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 12/28/80 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 4/22/81 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 11/2/82 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 11/4/96 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 11/6/96 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 11/1/99 | 6.90 | 97.70 | 2.2369 | 0.00 | 109,454,221,089 | 0 |
| 2/25/00 | 6.90 | 97.70 | 2.2369 | 0.20 | 109,454,221,089 | 218,908,442 |
| 12/7/80 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 12/23/80 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/26/80 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 4/17/81 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 12/5/95 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 11/5/99 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 11/11/99 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 11/15/99 | 7.00 | 97.50 | 2.2693 | 0.00 | 111,040,514,148 | 0 |
| 11/14/03 | 7.00 | 97.50 | 2.2693 | 0.10 | 111,040,514,148 | 111,040,514 |
| 12/24/80 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/12/81 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/6/99 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/10/99 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/12/99 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/17/99 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/18/99 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 3/9/00 | 7.10 | 97.40 | 2.3017 | 0.00 | 112,626,807,207 | 0 |
| 11/16/03 | 7.10 | 97.40 | 2.3017 | 0.20 | 112,626,807,207 | 225,253,614 |
| 12/27/80 | 7.20 | 97.20 | 2.3341 | 0.00 | 114,213,100,267 | 0 |
| 11/4/81 | 7.20 | 97.20 | 2.3341 | 0.00 | 114,213,100,267 | 0 |
| 11/10/88 | 7.20 | 97.20 | 2.3341 | 0.00 | 114,213,100,267 | 0 |
| 11/15/96 | 7.20 | 97.20 | 2.3341 | 0.00 | 114,213,100,267 | 0 |
| 11/13/03 | 7.20 | 97.20 | 2.3341 | 0.10 | 114,213,100,267 | 114,213,100 |
| 12/6/80 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 12/20/80 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/9/88 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 12/4/95 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/16/96 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/9/99 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/14/99 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/20/99 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 3/8/00 | 7.30 | 97.10 | 2.3666 | 0.00 | 115,799,393,326 | 0 |
| 11/12/03 | 7.30 | 97.10 | 2.3666 | 0.20 | 115,799,393,326 | 231,598,787 |
| 1/6/81 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 4/28/81 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/1/81 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/11/88 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/4/90 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/14/96 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/17/96 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/3/99 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 11/4/99 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 2/24/00 | 7.40 | 96.90 | 2.3990 | 0.00 | 117,385,686,385 | 0 |
| 3/6/00 | 7.40 | 96.90 | 2.3990 | 0.20 | 117,385,686,385 | 234,771,373 |
| 12/30/81 | 7.50 | 96.70 | 2.4314 | 0.00 | 118,971,979,444 | 0 |
| 11/1/82 | 7.50 | 96.70 | 2.4314 | 0.00 | 118,971,979,444 | 0 |
| 11/8/88 | 7.50 | 96.70 | 2.4314 | 0.00 | 118,971,979,444 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/6/95 | 7.50 | 96.70 | 2.4314 | 0.00 | 118,971,979,444 | 0 |
| 11/7/05 | 7.50 | 96.70 | 2.4314 | 0.10 | 118,971,979,444 | 118,971,979 |
| 12/3/95 | 7.60 | 96.60 | 2.4638 | 0.00 | 120,558,272,504 | 0 |
| 11/7/96 | 7.60 | 96.60 | 2.4638 | 0.00 | 120,558,272,504 | 0 |
| 2/22/00 | 7.60 | 96.60 | 2.4638 | 0.00 | 120,558,272,504 | 0 |
| 3/7/00 | 7.60 | 96.60 | 2.4638 | 0.10 | 120,558,272,504 | 120,558,273 |
| 1/18/81 | 7.70 | 96.50 | 2.4962 | 0.00 | 122,144,565,563 | 0 |
| 11/7/82 | 7.70 | 96.50 | 2.4962 | 0.00 | 122,144,565,563 | 0 |
| 11/21/99 | 7.70 | 96.50 | 2.4962 | 0.00 | 122,144,565,563 | 0 |
| 2/23/00 | 7.70 | 96.50 | 2.4962 | 0.00 | 122,144,565,563 | 0 |
| 11/11/03 | 7.70 | 96.50 | 2.4962 | 0.00 | 122,144,565,563 | 0 |
| 11/8/05 | 7.70 | 96.50 | 2.4962 | 0.10 | 122,144,565,563 | 122,144,566 |
| 12/19/80 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 1/16/81 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 4/16/81 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 12/19/81 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 12/29/81 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 12/2/95 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 11/13/99 | 7.80 | 96.40 | 2.5287 | 0.00 | 123,730,858,622 | 0 |
| 12/6/07 | 7.80 | 96.40 | 2.5287 | 0.10 | 123,730,858,622 | 123,730,859 |
| 11/2/80 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 1/17/81 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 4/23/81 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 12/4/81 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 11/7/88 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 11/3/96 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 3/5/00 | 7.90 | 96.30 | 2.5611 | 0.00 | 125,317,151,681 | 0 |
| 11/26/08 | 7.90 | 96.30 | 2.5611 | 0.20 | 125,317,151,681 | 250,634,303 |
| 12/5/80 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 12/17/81 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 12/1/95 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 11/13/96 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 2/21/00 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 12/9/07 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 12/10/07 | 8.00 | 96.10 | 2.5935 | 0.00 | 126,903,444,741 | 0 |
| 11/23/08 | 8.00 | 96.10 | 2.5935 | 0.20 | 126,903,444,741 | 253,806,889 |
| 12/18/80 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 11/2/81 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 11/3/82 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 11/1/98 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 2/26/00 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 11/6/05 | 8.10 | 95.90 | 2.6259 | 0.00 | 128,489,737,800 | 0 |
| 12/8/07 | 8.10 | 95.90 | 2.6259 | 0.10 | 128,489,737,800 | 128,489,738 |
| 12/4/80 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 1/15/81 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/19/81 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 11/3/81 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 11/12/88 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 11/30/95 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 12/4/07 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 12/5/07 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 12/11/07 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 11/24/08 | 8.20 | 95.80 | 2.6583 | 0.00 | 130,076,030,859 | 0 |
| 11/25/08 | 8.20 | 95.80 | 2.6583 | 0.20 | 130,076,030,859 | 260,152,062 |
| 11/18/95 | 8.30 | 95.60 | 2.6907 | 0.00 | 131,662,323,918 | 0 |
| 11/22/99 | 8.30 | 95.60 | 2.6907 | 0.00 | 131,662,323,918 | 0 |
| 1/25/00 | 8.30 | 95.60 | 2.6907 | 0.00 | 131,662,323,918 | 0 |
| 1/26/00 | 8.30 | 95.60 | 2.6907 | 0.10 | 131,662,323,918 | 131,662,324 |
| 12/17/80 | 8.40 | 95.50 | 2.7232 | 0.00 | 133,248,616,978 | 0 |
| 12/27/81 | 8.40 | 95.50 | 2.7232 | 0.00 | 133,248,616,978 | 0 |
| 12/28/81 | 8.40 | 95.50 | 2.7232 | 0.00 | 133,248,616,978 | 0 |
| 11/29/95 | 8.40 | 95.50 | 2.7232 | 0.00 | 133,248,616,978 | 0 |
| 1/24/00 | 8.40 | 95.50 | 2.7232 | 0.00 | 133,248,616,978 | 0 |
| 12/7/07 | 8.40 | 95.50 | 2.7232 | 0.10 | 133,248,616,978 | 133,248,617 |
| 4/15/81 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 11/18/90 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 11/19/90 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 11/19/95 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 12/7/95 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 12/16/95 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 11/8/96 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 12/12/07 | 8.50 | 95.40 | 2.7556 | 0.00 | 134,834,910,037 | 0 |
| 11/27/08 | 8.50 | 95.40 | 2.7556 | 0.20 | 134,834,910,037 | 269,669,820 |
| 12/18/81 | 8.60 | 95.20 | 2.7880 | 0.00 | 136,421,203,096 | 0 |
| 11/17/95 | 8.60 | 95.20 | 2.7880 | 0.00 | 136,421,203,096 | 0 |
| 11/20/95 | 8.60 | 95.20 | 2.7880 | 0.00 | 136,421,203,096 | 0 |
| 3/10/00 | 8.60 | 95.20 | 2.7880 | 0.00 | 136,421,203,096 | 0 |
| 11/28/08 | 8.60 | 95.20 | 2.7880 | 0.10 | 136,421,203,096 | 136,421,203 |
| 1/14/81 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 12/20/81 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 11/6/88 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 11/17/90 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 11/26/95 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 11/27/95 | 8.70 | 95.10 | 2.8204 | 0.00 | 138,007,496,155 | 0 |
| 1/23/00 | 8.70 | 95.10 | 2.8204 | 0.10 | 138,007,496,155 | 138,007,496 |
| 11/18/96 | 8.80 | 95.00 | 2.8528 | 0.00 | 139,593,789,215 | 0 |
| 11/8/97 | 8.80 | 95.00 | 2.8528 | 0.00 | 139,593,789,215 | 0 |
| 1/22/00 | 8.80 | 95.00 | 2.8528 | 0.00 | 139,593,789,215 | 0 |
| 2/7/00 | 8.80 | 95.00 | 2.8528 | 0.00 | 139,593,789,215 | 0 |
| 1/10/06 | 8.80 | 95.00 | 2.8528 | 0.10 | 139,593,789,215 | 139,593,789 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/26/81 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 11/28/95 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 11/23/96 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 3/4/00 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 1/9/06 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 1/11/06 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 12/13/07 | 8.90 | 94.90 | 2.8853 | 0.00 | 141,180,082,274 | 0 |
| 11/22/08 | 8.90 | 94.90 | 2.8853 | 0.10 | 141,180,082,274 | 141,180,082 |
| 11/4/82 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 11/22/90 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 11/25/95 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 12/8/95 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 12/15/95 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 11/12/96 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 11/7/97 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 1/27/00 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 2/8/00 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 12/3/07 | 9.00 | 94.80 | 2.9177 | 0.00 | 142,766,375,333 | 0 |
| 12/14/07 | 9.00 | 94.80 | 2.9177 | 0.30 | 142,766,375,333 | 428,299,126 |
| 12/3/80 | 9.10 | 94.50 | 2.9501 | 0.00 | 144,352,668,393 | 0 |
| 12/16/80 | 9.10 | 94.50 | 2.9501 | 0.00 | 144,352,668,393 | 0 |
| 11/19/96 | 9.10 | 94.50 | 2.9501 | 0.00 | 144,352,668,393 | 0 |
| 2/6/00 | 9.10 | 94.50 | 2.9501 | 0.00 | 144,352,668,393 | 0 |
| 11/9/05 | 9.10 | 94.50 | 2.9501 | 0.10 | 144,352,668,393 | 144,352,668 |
| 11/11/95 | 9.20 | 94.40 | 2.9825 | 0.00 | 145,938,961,452 | 0 |
| 11/6/97 | 9.20 | 94.40 | 2.9825 | 0.00 | 145,938,961,452 | 0 |
| 1/21/00 | 9.20 | 94.40 | 2.9825 | 0.00 | 145,938,961,452 | 0 |
| 2/9/00 | 9.20 | 94.40 | 2.9825 | 0.00 | 145,938,961,452 | 0 |
| 2/20/00 | 9.20 | 94.40 | 2.9825 | 0.00 | 145,938,961,452 | 0 |
| 1/8/06 | 9.20 | 94.40 | 2.9825 | 0.10 | 145,938,961,452 | 145,938,961 |
| 12/3/81 | 9.30 | 94.30 | 3.0149 | 0.00 | 147,525,254,511 | 0 |
| 11/21/95 | 9.30 | 94.30 | 3.0149 | 0.00 | 147,525,254,511 | 0 |
| 1/12/06 | 9.30 | 94.30 | 3.0149 | 0.00 | 147,525,254,511 | 0 |
| 1/13/81 | 9.40 | 94.30 | 3.0474 | 0.00 | 149,111,547,570 | 0 |
| 11/16/90 | 9.40 | 94.30 | 3.0474 | 0.00 | 149,111,547,570 | 0 |
| 11/16/95 | 9.40 | 94.30 | 3.0474 | 0.10 | 149,111,547,570 | 149,111,548 |
| 11/15/80 | 9.50 | 94.20 | 3.0798 | 0.00 | 150,697,840,630 | 0 |
| 11/5/88 | 9.50 | 94.20 | 3.0798 | 0.00 | 150,697,840,630 | 0 |
| 12/14/95 | 9.50 | 94.20 | 3.0798 | 0.00 | 150,697,840,630 | 0 |
| 11/5/05 | 9.50 | 94.20 | 3.0798 | 0.10 | 150,697,840,630 | 150,697,841 |
| 4/14/81 | 9.60 | 94.10 | 3.1122 | 0.00 | 152,284,133,689 | 0 |
| 11/3/93 | 9.60 | 94.10 | 3.1122 | 0.00 | 152,284,133,689 | 0 |
| 11/10/95 | 9.60 | 94.10 | 3.1122 | 0.00 | 152,284,133,689 | 0 |
| 11/21/90 | 9.70 | 94.10 | 3.1446 | 0.00 | 153,870,426,748 | 0 |
| 11/2/96 | 9.70 | 94.10 | 3.1446 | 0.00 | 153,870,426,748 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/5/97 | 9.70 | 94.10 | 3.1446 | 0.00 | 153,870,426,748 | 0 |
| 2/12/00 | 9.70 | 94.10 | 3.1446 | 0.00 | 153,870,426,748 | 0 |
| 2/13/00 | 9.70 | 94.10 | 3.1446 | 0.00 | 153,870,426,748 | 0 |
| 2/19/00 | 9.70 | 94.10 | 3.1446 | 0.10 | 153,870,426,748 | 153,870,427 |
| 11/1/83 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 11/5/90 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 1/16/00 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 2/5/00 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 2/11/00 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 3/3/00 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 1/7/06 | 9.80 | 94.00 | 3.1770 | 0.00 | 155,456,719,807 | 0 |
| 12/2/07 | 9.80 | 94.00 | 3.1770 | 0.20 | 155,456,719,807 | 310,913,440 |
| 12/15/80 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 4/25/81 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 12/25/81 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 11/18/88 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 11/20/90 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 11/8/93 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 11/22/95 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 1/17/00 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 1/18/00 | 9.90 | 93.80 | 3.2094 | 0.00 | 157,043,012,867 | 0 |
| 2/10/00 | 9.90 | 93.80 | 3.2094 | 0.20 | 157,043,012,867 | 314,086,026 |
| 11/16/80 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 12/21/81 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 12/22/81 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 12/23/81 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 12/31/81 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/11/82 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/6/82 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/2/83 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/3/83 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/15/90 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/4/93 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/12/95 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/24/95 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 12/13/95 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/22/96 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/25/99 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/15/00 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/19/00 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/20/00 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 2/4/00 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 2/14/00 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/1/05 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/10/05 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/11/05 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/12/05 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/5/06 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/6/06 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/13/06 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/14/06 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 1/15/06 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/18/07 | 10.00 | 93.60 | 3.2419 | 0.00 | 158,629,305,926 | 0 |
| 11/21/08 | 10.00 | 93.60 | 3.2419 | 0.60 | 158,629,305,926 | 951,775,836 |
| 11/1/80 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/2/80 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/14/80 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/12/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/31/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 4/13/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 4/24/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 4/27/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/30/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/1/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/24/81 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/10/82 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/23/82 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/5/82 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/4/83 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/5/83 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/4/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/13/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/17/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/19/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/2/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/3/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/4/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/5/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/6/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/7/88 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/2/93 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/3/93 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/9/95 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/15/95 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/23/95 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 3/21/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 3/22/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 3/23/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 3/24/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/1/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/11/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/21/96 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/4/97 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/8/98 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/9/98 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/12/98 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/23/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/24/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/26/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/27/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/1/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/2/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/10/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/11/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/29/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/30/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/31/99 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/1/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/2/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/3/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/8/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/9/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/10/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/13/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/14/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 2/3/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 2/15/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 2/18/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 3/2/00 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/2/05 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 11/13/05 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/2/06 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/3/06 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 1/4/06 | 11.00 | 93.00 | 3.5661 | 0.00 | 174,492,236,518 | 0 |
| 12/1/07 | 11.00 | 93.00 | 3.5661 | 1.40 | 174,492,236,518 | 2,442,891,311 |
| 11/22/80 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/1/80 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/29/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/30/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 4/12/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 4/26/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/9/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/10/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/11/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/2/81 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/1/82 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/22/82 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/28/82 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/29/82 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/6/83 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/25/88 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/26/88 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/1/88 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/8/90 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/14/90 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/23/90 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/5/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/7/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/9/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/13/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/25/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/26/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/27/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/30/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/1/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/2/93 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/8/95 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/12/95 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 3/20/96 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/20/96 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/12/96 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/3/97 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/9/97 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/7/98 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/10/98 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/11/98 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/28/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/29/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/30/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/3/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/12/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/17/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/27/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/28/99 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/4/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/7/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/11/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/12/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 2/2/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 2/17/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/1/00 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/4/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/14/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/15/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/18/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/30/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 12/31/05 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/1/06 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 1/16/06 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/30/07 | 12.00 | 91.60 | 3.8902 | 0.00 | 190,355,167,111 | 0 |
| 11/20/08 | 12.00 | 91.60 | 3.8902 | 1.20 | 190,355,167,111 | 2,284,262,005 |
| 11/23/80 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/24/80 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 1/11/81 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 2/1/81 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 4/10/81 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 4/11/81 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 1/9/82 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 1/24/82 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 1/27/82 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/27/88 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/13/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/14/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/15/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/16/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/17/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/18/89 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/6/90 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/6/90 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/23/93 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/24/93 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/28/93 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/7/95 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/14/95 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 3/11/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 3/12/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 3/13/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 3/19/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 4/4/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 4/5/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/11/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/13/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/14/96 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/2/97 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/9/99 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/26/99 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 1/28/00 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 2/1/00 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 2/16/00 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 2/27/00 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/17/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/19/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/21/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/22/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/23/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 11/24/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/28/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 12/29/05 | 13.00 | 90.40 | 4.2144 | 0.00 | 206,218,097,704 | 0 |
| 4/20/06 | 13.00 | 90.40 | 4.2144 | 1.00 | 206,218,097,704 | 2,062,180,977 |
| 11/21/80 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/13/80 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/7/81 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/27/81 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/28/81 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/2/82 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/21/82 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/26/82 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/11/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/12/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/13/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/14/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/15/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/16/83 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/1/88 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/3/88 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/16/88 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/24/88 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/28/88 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/5/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/6/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/12/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/19/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/20/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/2/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/5/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/6/89 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/4/90 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/5/90 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/14/90 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/15/90 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/16/90 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/6/93 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/10/93 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/29/93 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/10/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/14/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/15/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/16/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/17/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/18/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 3/25/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 4/3/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/9/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/10/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/15/96 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/1/97 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/6/98 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/6/00 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/3/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/16/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/20/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/25/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/4/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/6/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/7/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/26/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 12/27/05 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 4/18/06 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 4/19/06 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/19/07 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/4/08 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/5/08 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 1/6/08 | 14.00 | 89.40 | 4.5386 | 0.00 | 222,081,028,296 | 0 |
| 11/19/08 | 14.00 | 89.40 | 4.5386 | 1.20 | 222,081,028,296 | 2,664,972,340 |
| 11/30/80 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/26/81 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 4/9/81 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/8/82 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/30/82 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/18/83 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/2/88 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/30/88 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/4/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/7/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/11/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/21/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/30/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/1/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/3/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/4/89 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/13/90 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/27/90 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/3/90 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/13/90 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/1/93 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/12/93 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/22/93 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/13/95 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/11/95 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 3/9/96 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 4/2/96 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/10/96 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/9/96 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/10/97 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/16/99 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/25/99 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 4/29/00 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/15/00 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/21/01 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/22/01 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/3/05 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/5/05 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/8/05 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 12/9/05 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 4/16/06 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 4/17/06 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 11/29/07 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/3/08 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/7/08 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/15/08 | 15.00 | 88.20 | 4.8628 | 0.00 | 237,943,958,889 | 0 |
| 1/16/08 | 15.00 | 88.20 | 4.8628 | 0.90 | 237,943,958,889 | 2,141,495,630 |
| 11/25/80 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/26/80 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 1/10/81 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 4/8/81 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 1/12/82 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/7/83 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/10/83 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/17/83 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/3/89 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/29/89 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/16/89 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/17/89 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/26/89 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/12/90 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/17/90 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/11/92 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/19/92 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/14/93 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 2/29/96 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 3/8/96 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 4/12/96 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/8/96 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/27/97 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/4/99 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/8/99 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 1/31/00 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 2/29/00 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 4/28/00 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 4/30/00 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/9/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/10/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/11/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/12/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/13/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/16/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/17/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/18/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/19/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/20/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/23/01 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/26/05 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/2/05 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/10/05 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/11/05 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 12/25/05 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 4/15/06 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 11/22/07 | 16.00 | 87.30 | 5.1870 | 0.00 | 253,806,889,481 | 0 |
| 1/8/08 | 16.00 | 87.30 | 5.1870 | 0.90 | 253,806,889,481 | 2,284,262,005 |
| 4/7/81 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/20/82 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/25/82 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/8/83 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/23/88 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/1/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/22/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/28/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/14/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/15/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/18/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/24/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/25/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/27/89 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/2/90 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/7/90 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/10/92 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/9/93 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/10/94 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/6/95 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 2/25/96 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 2/28/96 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 4/1/96 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 4/11/96 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/26/97 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/5/00 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 4/23/00 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/7/01 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/8/01 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/14/01 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/15/01 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/12/05 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/13/05 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/23/05 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 12/24/05 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 3/18/06 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 3/19/06 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 4/13/06 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 4/14/06 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/2/08 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 1/14/08 | 17.00 | 86.40 | 5.5112 | 0.00 | 269,669,820,074 | 0 |
| 11/18/08 | 17.00 | 86.40 | 5.5112 | 0.90 | 269,669,820,074 | 2,427,028,381 |
| 11/27/80 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/9/80 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 1/25/81 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/9/83 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/14/88 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/15/88 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/8/88 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/8/89 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/19/89 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/23/89 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/28/89 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/7/90 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/26/90 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/18/92 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/21/93 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 1/9/94 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 2/24/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 2/27/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 3/1/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 3/7/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 3/31/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/21/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/24/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/7/96 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/25/97 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/13/99 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 12/24/99 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/22/00 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/27/00 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/14/00 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/23/01 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/3/01 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/4/01 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/5/01 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/6/01 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 11/21/07 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 1/17/08 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 3/11/09 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/22/10 | 18.00 | 85.50 | 5.8354 | 0.00 | 285,532,750,666 | 0 |
| 4/23/10 | 18.00 | 85.50 | 5.8354 | 0.70 | 285,532,750,666 | 1,998,729,255 |
| 1/8/81 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 2/27/81 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 2/28/81 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 3/20/81 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/6/81 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 1/3/82 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/20/86 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/29/88 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/10/89 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/27/89 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/13/89 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/11/90 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/18/90 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/9/92 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/11/93 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 1/8/94 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/1/95 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 2/23/96 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 2/26/96 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/26/98 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/27/98 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/5/98 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/22/01 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/1/01 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/2/01 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/24/01 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 11/25/01 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/1/05 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/22/05 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 3/17/06 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/12/06 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 12/3/08 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 3/9/09 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 3/10/09 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 3/12/09 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/21/10 | 19.00 | 84.80 | 6.1595 | 0.00 | 301,395,681,259 | 0 |
| 4/24/10 | 19.00 | 84.80 | 6.1595 | 0.70 | 301,395,681,259 | 2,109,769,769 |
| 2/2/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/5/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/16/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/17/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/18/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/19/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/21/81 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/7/82 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/19/82 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/17/86 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/18/86 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/19/86 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 11/2/89 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 12/22/89 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 12/8/93 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/7/94 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/17/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/18/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/6/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/26/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/30/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/10/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/20/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 12/6/96 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/25/98 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/29/00 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/15/00 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/21/00 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/21/01 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 11/16/04 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 11/17/04 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/16/06 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/11/06 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 11/25/07 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 12/19/07 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/1/08 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/9/08 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 1/13/08 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 2/11/08 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/4/09 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/5/09 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/6/09 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/7/09 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 3/8/09 | 20.00 | 84.10 | 6.4837 | 0.00 | 317,258,611,852 | 0 |
| 4/20/10 | 20.00 | 84.10 | 6.4837 | 0.90 | 317,258,611,852 | 2,855,327,507 |
| 11/20/80 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/28/80 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/10/80 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/12/80 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/15/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/20/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/26/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 3/1/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 3/21/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 3/28/81 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 4/14/86 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 4/15/86 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 4/16/86 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/9/89 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/12/89 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/20/89 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/17/92 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/31/93 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 1/6/94 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 1/11/94 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 1/15/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 1/16/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/17/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/15/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/16/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/19/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/20/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/22/96 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/11/97 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/18/97 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/24/97 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 1/30/00 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 4/26/00 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 11/15/04 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/21/05 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/15/07 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 2/10/08 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 12/8/08 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 3/3/09 | 21.00 | 83.20 | 6.8079 | 0.00 | 333,121,542,444 | 0 |
| 4/19/10 | 21.00 | 83.20 | 6.8079 | 0.80 | 333,121,542,444 | 2,664,972,340 |
| 2/22/81 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 2/23/81 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 2/24/81 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 3/19/81 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/5/81 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/12/86 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/13/86 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/23/89 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/26/89 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 12/29/89 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/9/90 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/12/90 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 12/1/90 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 1/1/94 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 1/5/94 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 12/10/95 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 2/14/96 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 2/21/96 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 12/20/97 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/24/98 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 12/15/99 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 2/28/00 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/1/00 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/24/00 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/13/00 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/20/01 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 11/14/04 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/10/06 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/25/06 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 1/10/08 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 1/18/08 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/17/10 | 22.00 | 82.40 | 7.1321 | 0.00 | 348,984,473,037 | 0 |
| 4/18/10 | 22.00 | 82.40 | 7.1321 | 0.60 | 348,984,473,037 | 2,093,906,838 |
| 1/24/81 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 3/27/81 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/4/81 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/16/82 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/11/86 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/22/88 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/22/88 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/8/92 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/5/92 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/6/92 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/8/92 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/30/93 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/2/94 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/14/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/18/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/22/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 2/11/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 2/13/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/29/96 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/17/97 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/19/97 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/23/98 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/23/99 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/20/00 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/25/00 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/16/00 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/30/01 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/24/04 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/13/04 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/22/06 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 1/28/06 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 3/15/06 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/7/06 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 12/10/06 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/28/07 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 11/17/08 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 3/2/09 | 23.00 | 81.80 | 7.4563 | 0.00 | 364,847,403,629 | 0 |
| 4/16/10 | 23.00 | 81.80 | 7.4563 | 0.70 | 364,847,403,629 | 2,553,931,825 |
| 11/29/80 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/14/81 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/25/81 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 3/18/81 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/15/82 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/26/82 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/9/86 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/10/86 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/20/88 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/21/88 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/11/89 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/21/89 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/10/90 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/16/92 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/7/92 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/20/93 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 1/16/94 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/5/95 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/9/95 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 1/5/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 1/23/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/6/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/7/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/10/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/12/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 3/2/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 3/29/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/19/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/5/96 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/18/97 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 11/30/05 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/20/05 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/9/06 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/8/06 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/9/06 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/11/06 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 12/31/07 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 1/11/08 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 1/12/08 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/9/08 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 2/1/09 | 24.00 | 81.10 | 7.7805 | 0.00 | 380,710,334,222 | 0 |
| 4/25/10 | 24.00 | 81.10 | 7.7805 | 0.90 | 380,710,334,222 | 3,426,393,008 |
| 2/3/81 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 2/4/81 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 3/2/81 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 3/29/81 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/18/82 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 11/25/82 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 11/19/83 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/8/86 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/4/92 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/7/93 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/29/93 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 1/4/94 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 1/19/96 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 1/30/96 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 2/9/96 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/9/96 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/22/96 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 11/23/97 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/17/97 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/17/98 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/28/98 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/7/99 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/14/99 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/19/01 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/23/04 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 11/12/04 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/8/06 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/4/06 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/5/06 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 12/6/06 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 11/24/07 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 1/31/09 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 3/1/09 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/15/10 | 25.00 | 80.20 | 8.1047 | 0.00 | 396,573,264,815 | 0 |
| 4/27/10 | 25.00 | 80.20 | 8.1047 | 0.60 | 396,573,264,815 | 2,379,439,589 |
| 1/9/81 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/20/81 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 3/17/81 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 3/26/81 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/3/81 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 3/21/82 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/14/82 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/6/86 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/7/86 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 12/7/89 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 12/3/92 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 11/25/94 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 11/26/94 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 11/4/95 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/26/95 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/21/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/31/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 2/1/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 2/5/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 2/8/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/6/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/29/96 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/8/97 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 11/16/97 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/13/98 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/14/98 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/15/98 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/16/98 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/18/98 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 12/18/99 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 3/25/00 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 3/31/00 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/19/00 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/22/04 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/21/06 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/7/06 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 11/20/07 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 1/30/09 | 26.00 | 79.60 | 8.4288 | 0.00 | 412,436,195,407 | 0 |
| 4/14/10 | 26.00 | 79.60 | 8.4288 | 0.80 | 412,436,195,407 | 3,299,489,563 |
| 1/6/82 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 3/20/82 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 4/5/86 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/20/88 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 11/25/89 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/19/93 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/20/93 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 1/3/94 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 11/24/94 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/25/95 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 1/13/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 1/29/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 2/2/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 3/27/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 3/28/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 4/28/96 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 1/7/97 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 11/12/97 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/16/97 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 4/12/98 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/22/98 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 4/30/98 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/22/99 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 3/14/00 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 3/16/00 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 4/29/01 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 1/27/06 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/3/06 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 11/23/07 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/18/07 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 12/26/07 | 27.00 | 78.80 | 8.7530 | 0.00 | 428,299,126,000 | 0 |
| 2/28/09 | 27.00 | 78.80 | 8.7530 | 0.60 | 428,299,126,000 | 2,569,794,756 |
| 3/19/82 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 4/4/86 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 11/25/90 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 12/2/92 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 12/21/93 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 12/28/93 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/15/94 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 11/23/94 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/4/96 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 4/30/96 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 11/13/97 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 4/4/98 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 4/21/04 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 11/11/04 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 2/9/06 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 3/14/06 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 12/2/06 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 2/8/08 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 12/2/08 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/25/09 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/26/09 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/27/09 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/28/09 | 28.00 | 78.20 | 9.0772 | 0.00 | 444,162,056,592 | 0 |
| 1/29/09 | 28.00 | 78.20 | 9.0772 | 0.50 | 444,162,056,592 | 2,220,810,283 |
| 2/6/81 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 2/10/81 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 3/16/81 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/3/86 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 11/15/91 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 11/16/91 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/1/92 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/27/93 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 11/22/94 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/24/95 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/15/97 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/3/98 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/11/98 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/21/99 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/18/01 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 11/1/04 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/6/06 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 11/28/06 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/19/06 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 12/7/08 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 1/23/09 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 1/24/09 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 2/26/09 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 2/27/09 | 29.00 | 77.70 | 9.4014 | 0.00 | 460,024,987,185 | 0 |
| 4/13/10 | 29.00 | 77.70 | 9.4014 | 0.40 | 460,024,987,185 | 1,840,099,949 |
| 1/23/81 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 2/9/81 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 2/13/81 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 2/14/82 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 3/18/82 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/9/82 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/13/82 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/17/82 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/28/89 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/10/89 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/13/91 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/14/91 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/7/92 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/4/93 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/18/93 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/27/94 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/29/95 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 3/5/96 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/28/96 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/4/96 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/4/98 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/18/00 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/28/01 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 11/18/04 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/19/05 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 3/8/06 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 12/1/06 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 3/26/07 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 1/19/08 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/29/08 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 1/22/09 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 2/9/09 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 2/25/09 | 30.00 | 77.30 | 9.7256 | 0.00 | 475,887,917,777 | 0 |
| 4/6/10 | 30.00 | 77.30 | 9.7256 | 0.70 | 475,887,917,777 | 3,331,215,424 |
| 11/17/80 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 12/11/80 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/11/81 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/12/81 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/2/81 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/6/82 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/7/82 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 3/22/82 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/10/82 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/2/86 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/12/91 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/30/92 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 12/10/93 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/21/94 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 1/12/96 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 1/28/96 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/3/96 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/18/96 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 1/6/97 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 12/14/97 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/2/98 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/10/98 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/29/98 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/12/00 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/20/04 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/10/04 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/30/06 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 11/26/07 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 12/30/07 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 3/28/08 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/8/09 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/10/09 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 2/24/09 | 31.00 | 76.60 | 10.0498 | 0.00 | 491,750,848,370 | 0 |
| 4/7/10 | 31.00 | 76.60 | 10.0498 | 0.60 | 491,750,848,370 | 2,950,505,090 |
| 3/14/81 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/15/81 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/25/81 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 1/17/82 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/17/82 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 4/11/82 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/23/88 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 4/27/89 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 12/8/90 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 11/20/94 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 12/27/95 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 1/3/96 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 2/4/96 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/3/96 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 1/13/97 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 11/22/97 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 11/27/05 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/7/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 4/5/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 11/27/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 11/29/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 12/20/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 12/21/06 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/25/07 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 12/25/07 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 1/22/08 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 3/27/08 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 1/21/09 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 4/5/10 | 32.00 | 76.00 | 10.3740 | 0.00 | 507,613,778,963 | 0 |
| 4/26/10 | 32.00 | 76.00 | 10.3740 | 0.60 | 507,613,778,963 | 3,045,682,674 |
| 3/22/81 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 2/5/82 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/8/82 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/12/82 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/20/85 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 12/19/88 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/30/89 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/24/90 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/11/91 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/12/92 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/19/94 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 1/20/96 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/13/96 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/15/97 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/21/98 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/2/98 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/17/01 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/30/02 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 12/28/03 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 11/26/06 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 3/24/07 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/24/07 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/30/07 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 2/7/08 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 3/26/08 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 2/7/09 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 2/23/09 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/4/10 | 33.00 | 75.40 | 10.6982 | 0.00 | 523,476,709,555 | 0 |
| 4/12/10 | 33.00 | 75.40 | 10.6982 | 0.60 | 523,476,709,555 | 3,140,860,257 |
| 2/7/81 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 3/16/82 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/23/82 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/24/82 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/19/85 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/1/86 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/26/89 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/29/89 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/15/92 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 12/22/93 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 12/23/95 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 12/30/95 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 12/25/96 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 1/12/97 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/14/97 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 3/14/98 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/1/98 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/5/98 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/9/98 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/21/03 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/22/03 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/23/03 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 2/21/06 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/24/06 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 11/25/06 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 12/18/06 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 4/13/07 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 3/25/08 | 34.00 | 74.80 | 11.0223 | 0.00 | 539,339,640,148 | 0 |
| 1/20/09 | 34.00 | 74.80 | 11.0223 | 0.50 | 539,339,640,148 | 2,696,698,201 |
| 3/13/81 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/4/82 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 2/8/82 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/18/85 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/21/85 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 11/30/90 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 12/9/90 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 11/10/91 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/29/92 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 12/26/93 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/12/94 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/14/94 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 11/18/94 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/2/96 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/11/96 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/27/96 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/9/97 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 1/14/97 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 12/13/97 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/8/98 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/20/03 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 12/22/03 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/19/04 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 2/8/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 2/20/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 2/22/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 3/6/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 3/13/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 11/23/06 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 3/23/07 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/23/07 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/25/07 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 11/16/08 | 35.00 | 74.30 | 11.3465 | 0.00 | 555,202,570,740 | 0 |
| 4/3/10 | 35.00 | 74.30 | 11.3465 | 0.70 | 555,202,570,740 | 3,886,417,995 |
| 3/12/81 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 3/15/82 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/21/88 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 4/25/89 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 12/17/93 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 1/24/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 1/25/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/4/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/16/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/17/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 12/2/94 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 1/5/97 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 3/30/00 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 4/29/02 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 4/19/03 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 12/23/03 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 12/27/03 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/9/04 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/29/05 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/24/06 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/22/06 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 3/22/07 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 3/27/07 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 12/27/07 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 1/18/09 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 1/19/09 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 2/22/09 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 11/29/09 | 36.00 | 73.60 | 11.6707 | 0.00 | 571,065,501,333 | 0 |
| 4/2/10 | 36.00 | 73.60 | 11.6707 | 0.60 | 571,065,501,333 | 3,426,393,008 |
| 1/21/81 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 3/23/81 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 2/13/82 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/17/85 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 11/9/91 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 11/15/94 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 12/24/96 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 3/31/98 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/7/98 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/19/98 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/17/00 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 11/23/00 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/18/03 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 12/8/03 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 12/21/03 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/29/05 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 2/19/06 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 11/21/06 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 12/17/06 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 3/30/07 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 1/23/08 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 1/17/09 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 2/6/09 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 11/28/09 | 37.00 | 73.00 | 11.9949 | 0.00 | 586,928,431,926 | 0 |
| 4/1/10 | 37.00 | 73.00 | 11.9949 | 0.40 | 586,928,431,926 | 2,347,713,728 |
| 2/8/81 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 2/4/82 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 3/14/82 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 3/27/82 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/16/85 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 2/2/86 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/24/89 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/24/89 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/8/91 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/16/92 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/3/94 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/14/94 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 12/28/95 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 1/1/96 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/8/96 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 3/28/98 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 3/17/00 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/4/00 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/16/01 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/27/01 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/17/03 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/23/03 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 12/7/03 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 12/9/03 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/29/04 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/30/05 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 2/1/06 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/4/06 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 4/10/07 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 3/24/08 | 38.00 | 72.60 | 12.3191 | 0.00 | 602,791,362,518 | 0 |
| 11/27/09 | 38.00 | 72.60 | 12.3191 | 0.60 | 602,791,362,518 | 3,616,748,175 |
| 3/11/81 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/1/81 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/23/85 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 3/31/86 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 12/9/88 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 1/7/89 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 12/26/90 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/28/91 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/30/91 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/15/92 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/28/92 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/2/94 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 1/27/96 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 3/24/00 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/28/02 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/16/03 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 12/26/03 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/28/05 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 12/18/05 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 3/5/06 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 3/21/07 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/12/07 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 4/22/07 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/27/07 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/6/08 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 11/20/09 | 39.00 | 72.00 | 12.6433 | 0.00 | 618,654,293,111 | 0 |
| 3/31/10 | 39.00 | 72.00 | 12.6433 | 0.60 | 618,654,293,111 | 3,711,925,759 |
| 11/19/80 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 3/30/81 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/16/82 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/7/82 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/15/85 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/22/85 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/24/85 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/14/85 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 2/1/86 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 3/11/86 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/5/91 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/7/91 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/27/91 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/29/91 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/17/92 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/19/93 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/23/94 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/3/95 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/22/95 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/10/96 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/30/96 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/23/96 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/26/96 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 3/27/98 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/6/98 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/20/99 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/24/03 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/7/04 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/27/05 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/26/06 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 11/20/06 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 3/12/07 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 4/9/07 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 12/29/07 | 40.00 | 71.40 | 12.9675 | 0.00 | 634,517,223,703 | 0 |
| 1/16/09 | 40.00 | 71.40 | 12.9675 | 0.60 | 634,517,223,703 | 3,807,103,342 |
| 11/18/80 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/24/81 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 1/5/82 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/13/82 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/30/84 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/14/85 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 11/15/85 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/23/89 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/4/91 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 11/26/91 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/14/92 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 11/28/92 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 1/4/97 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/30/98 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/11/00 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/12/00 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/27/02 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 12/20/03 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 1/16/04 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/9/06 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/11/07 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/13/07 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 3/20/07 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/11/07 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/29/07 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 4/30/08 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 2/21/09 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 11/16/09 | 41.00 | 70.80 | 13.2916 | 0.00 | 650,380,154,296 | 0 |
| 11/21/09 | 41.00 | 70.80 | 13.2916 | 0.60 | 650,380,154,296 | 3,902,280,926 |
| 4/23/85 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/13/85 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/22/85 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/31/86 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/10/86 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/8/89 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/11/90 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/6/91 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 12/1/91 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 12/6/93 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/1/94 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/13/94 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/4/96 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 12/5/99 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 4/26/02 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 4/15/03 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 12/6/03 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/8/04 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/15/04 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 4/10/04 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 4/18/04 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 4/26/05 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/20/06 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/18/06 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/9/07 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/10/07 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/20/08 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 1/21/08 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/23/08 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 11/15/09 | 42.00 | 70.20 | 13.6158 | 0.00 | 666,243,084,888 | 0 |
| 3/30/10 | 42.00 | 70.20 | 13.6158 | 0.60 | 666,243,084,888 | 3,997,458,509 |
| 3/31/81 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 3/12/82 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/26/84 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/27/84 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/29/84 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/13/85 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 1/6/89 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/3/91 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/15/96 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/24/97 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 12/7/98 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 3/22/00 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 1/24/04 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 11/28/05 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 12/16/06 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 3/7/07 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 3/8/07 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 12/4/08 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 11/19/09 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 11/26/09 | 43.00 | 69.60 | 13.9400 | 0.00 | 682,106,015,481 | 0 |
| 4/11/10 | 43.00 | 69.60 | 13.9400 | 0.40 | 682,106,015,481 | 2,728,424,062 |
| 3/26/82 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/28/84 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 11/12/85 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 3/30/86 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 11/17/91 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/13/92 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/27/92 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/14/92 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/1/94 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/22/96 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/12/97 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/6/99 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/10/00 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 11/7/00 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/12/00 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/25/02 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/19/03 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 1/14/04 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/8/04 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/9/04 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 11/8/04 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/25/05 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 4/3/06 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 11/19/06 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 3/6/07 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 12/24/07 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 1/15/09 | 44.00 | 69.20 | 14.2642 | 0.00 | 697,968,946,074 | 0 |
| 2/2/09 | 44.00 | 69.20 | 14.2642 | 0.50 | 697,968,946,074 | 3,489,844,730 |
| 3/3/81 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 3/28/82 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/25/84 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/15/84 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/11/85 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/21/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/22/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/23/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/30/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 2/3/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 3/9/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/30/86 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/10/89 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/25/91 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/25/93 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/3/94 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/2/95 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/31/95 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/3/96 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 2/6/97 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/23/97 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 3/26/98 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/20/98 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/6/98 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/8/98 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/16/00 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/13/01 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/26/01 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/14/03 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/5/03 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 12/25/03 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 1/23/04 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 4/7/04 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/7/06 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 2/5/08 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/14/09 | 45.00 | 68.70 | 14.5884 | 0.00 | 713,831,876,666 | 0 |
| 11/17/09 | 45.00 | 68.70 | 14.5884 | 0.70 | 713,831,876,666 | 4,996,823,137 |
| 1/22/81 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 3/10/81 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 2/3/82 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 3/11/82 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/12/85 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/16/86 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/17/86 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/19/86 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/20/86 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/22/89 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 11/10/90 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/2/91 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/12/92 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 12/9/92 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/22/94 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 12/8/94 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 3/23/00 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/12/01 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/15/01 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 12/2/02 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 12/3/02 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 1/6/04 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/6/04 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/26/06 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 3/19/07 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/8/07 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/21/07 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 4/11/09 | 46.00 | 68.00 | 14.9126 | 0.00 | 729,694,807,259 | 0 |
| 3/29/10 | 46.00 | 68.00 | 14.9126 | 0.60 | 729,694,807,259 | 4,378,168,844 |
| 11/14/84 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/25/85 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 11/21/85 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 11/24/85 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/7/86 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/18/86 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/24/86 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/8/86 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/29/86 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 12/18/88 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 12/9/89 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/18/92 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/19/92 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 2/24/93 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/13/94 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 11/10/94 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/24/96 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/11/97 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/22/97 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 11/21/97 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 12/4/98 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 12/5/98 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/30/99 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/24/02 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 12/1/02 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 11/22/03 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 1/28/05 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/24/05 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/4/06 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/12/06 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/5/07 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/29/07 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 3/22/08 | 47.00 | 67.40 | 15.2368 | 0.00 | 745,557,737,851 | 0 |
| 4/29/08 | 47.00 | 67.40 | 15.2368 | 0.70 | 745,557,737,851 | 5,218,904,165 |
| 3/5/82 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/30/83 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/11/85 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 11/10/85 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/6/86 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/8/86 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/15/86 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/29/86 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/9/89 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 11/5/91 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/11/92 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/11/92 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/26/92 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/4/94 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 11/9/94 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/3/97 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/21/97 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 12/3/98 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 12/11/00 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/11/01 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/7/02 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 4/23/02 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/13/04 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/26/05 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 2/17/06 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/24/08 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 1/30/08 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 2/20/09 | 48.00 | 66.70 | 15.5609 | 0.00 | 761,420,668,444 | 0 |
| 11/13/09 | 48.00 | 66.70 | 15.5609 | 0.50 | 761,420,668,444 | 3,807,103,342 |
| 3/16/80 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 3/25/82 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 3/30/82 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/17/85 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 1/17/90 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 12/19/90 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/15/93 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/5/94 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/12/94 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/14/96 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/17/96 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/28/97 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/26/99 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 1/10/01 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/14/01 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/25/02 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 1/25/05 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 1/27/05 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/23/05 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 3/28/07 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 4/17/08 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 12/6/08 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 1/5/09 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 2/5/09 | 49.00 | 66.20 | 15.8851 | 0.00 | 777,283,599,037 | 0 |
| 11/18/09 | 49.00 | 66.20 | 15.8851 | 0.50 | 777,283,599,037 | 3,886,417,995 |
| 1/20/80 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/21/83 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/24/84 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 11/13/84 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/10/85 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 11/16/85 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/5/86 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 3/7/86 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/5/89 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 12/8/89 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/16/90 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 12/25/90 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/10/92 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/3/94 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/7/94 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/9/96 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 3/29/98 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 12/2/98 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/25/99 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 3/26/00 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 11/24/02 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 11/26/02 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 11/27/02 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/25/03 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 12/4/03 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/5/04 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 4/22/08 | 50.00 | 65.70 | 16.2093 | 0.00 | 793,146,529,629 | 0 |
| 1/14/09 | 50.00 | 65.70 | 16.2093 | 0.50 | 793,146,529,629 | 3,965,732,648 |
| 3/15/80 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 2/12/82 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 2/25/82 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 3/10/82 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/22/83 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 1/4/86 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 1/15/90 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 12/9/94 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/7/96 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/26/96 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/21/97 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 11/19/97 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 12/2/97 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 12/7/97 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/15/00 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 3/25/02 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/22/02 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 11/30/02 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/13/03 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 12/18/03 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 1/5/04 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 1/22/04 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/17/04 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/25/04 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 1/24/05 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/22/05 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 11/16/06 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 11/18/06 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 3/31/07 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 4/10/09 | 51.00 | 65.20 | 16.5335 | 0.00 | 809,009,460,222 | 0 |
| 11/25/09 | 51.00 | 65.20 | 16.5335 | 0.60 | 809,009,460,222 | 4,854,056,761 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/19/80 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/29/83 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/23/84 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 11/12/84 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 11/9/85 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 1/9/86 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 1/28/86 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 3/6/86 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/29/86 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 12/27/88 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/21/89 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 11/28/90 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/1/91 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 11/27/92 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/2/94 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 12/21/96 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 2/8/98 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 3/13/00 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 12/10/00 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 1/9/01 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/10/01 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 3/24/02 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/6/02 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/2/06 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 4/16/08 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 12/1/08 | 52.00 | 64.60 | 16.8577 | 0.00 | 824,872,390,814 | 0 |
| 11/12/09 | 52.00 | 64.60 | 16.8577 | 0.60 | 824,872,390,814 | 4,949,234,345 |
| 3/4/82 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 3/29/82 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 4/6/82 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 4/20/83 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 4/22/84 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 4/9/85 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 1/3/86 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 1/14/86 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 3/28/86 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 3/28/91 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/13/92 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/16/93 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 2/5/97 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 3/25/98 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/1/98 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 4/24/99 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 11/22/00 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/24/00 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/2/02 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 11/23/02 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 1/24/03 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 11/17/06 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/15/06 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 12/28/07 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 2/4/08 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 3/19/08 | 53.00 | 64.00 | 17.1819 | 0.00 | 840,735,321,407 | 0 |
| 1/4/09 | 53.00 | 64.00 | 17.1819 | 0.50 | 840,735,321,407 | 4,203,676,607 |
| 3/9/81 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 3/6/82 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/20/85 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 1/2/86 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 4/25/90 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/24/91 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 12/8/91 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 1/8/92 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 1/10/92 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 4/9/92 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 12/5/93 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 4/1/94 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/11/94 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 1/26/96 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/27/96 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 3/13/98 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 3/18/00 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 4/21/02 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/28/02 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/29/02 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 11/24/03 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 1/29/05 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 3/21/08 | 54.00 | 63.50 | 17.5061 | 0.00 | 856,598,251,999 | 0 |
| 3/28/10 | 54.00 | 63.50 | 17.5061 | 0.40 | 856,598,251,999 | 3,426,393,008 |
| 1/18/80 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 11/25/84 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 12/10/85 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 1/1/86 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 1/25/86 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 1/27/86 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 3/5/86 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 12/14/88 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 12/21/90 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 3/27/91 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 1/7/92 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/25/92 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/6/92 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 2/23/93 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 12/21/95 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 1/20/97 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/20/97 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 2/27/99 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 12/19/99 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/9/00 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/13/00 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 11/17/00 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/30/03 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/21/05 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 3/4/07 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 3/18/07 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/20/07 | 55.00 | 63.10 | 17.8303 | 0.00 | 872,461,182,592 | 0 |
| 4/28/08 | 55.00 | 63.10 | 17.8303 | 0.60 | 872,461,182,592 | 5,234,767,096 |
| 1/17/80 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/15/82 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 2/24/82 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/8/84 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/21/84 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 11/11/84 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 11/18/85 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 12/26/88 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/14/90 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/26/90 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/9/92 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/21/94 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 11/30/98 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/9/01 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 11/22/02 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/4/03 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/12/03 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 12/3/03 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/4/04 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/12/04 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 11/7/04 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 3/20/08 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 12/23/08 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 1/3/09 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 3/24/09 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 4/9/09 | 56.00 | 62.50 | 18.1544 | 0.00 | 888,324,113,185 | 0 |
| 3/24/10 | 56.00 | 62.50 | 18.1544 | 0.50 | 888,324,113,185 | 4,441,620,566 |
| 1/16/80 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 4/28/83 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/24/84 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 4/26/85 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 12/9/85 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 12/31/85 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/10/86 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/13/86 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 3/27/90 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 3/26/91 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/6/92 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 4/8/92 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 2/15/93 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 12/23/93 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 3/31/94 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 12/23/00 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 3/23/02 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 4/4/04 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/31/06 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 11/15/06 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/25/08 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 2/12/08 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 4/15/08 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 1/13/09 | 57.00 | 62.00 | 18.4786 | 0.00 | 904,187,043,777 | 0 |
| 11/11/09 | 57.00 | 62.00 | 18.4786 | 0.50 | 904,187,043,777 | 4,520,935,219 |
| 1/10/80 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 1/21/80 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/14/80 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/3/82 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 11/22/82 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/19/83 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/8/85 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/30/85 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 11/8/85 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 12/30/85 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/4/86 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/27/86 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/28/86 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 12/15/88 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/20/89 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 2/16/91 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 1/2/97 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 1/27/97 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 2/7/98 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/23/99 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 11/11/00 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 12/9/00 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/8/01 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/30/02 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/20/02 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/3/03 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 1/23/05 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 1/30/05 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/20/05 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 2/16/06 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 4/28/06 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/14/07 | 58.00 | 61.50 | 18.8028 | 0.00 | 920,049,974,370 | 0 |
| 3/25/10 | 58.00 | 61.50 | 18.8028 | 0.60 | 920,049,974,370 | 5,520,299,846 |
| 4/20/84 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 4/24/90 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 12/20/90 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 2/20/93 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 2/21/93 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 2/22/93 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 11/8/94 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 1/10/97 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 4/29/99 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 12/7/00 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 2/27/01 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 1/23/03 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 1/26/03 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 12/17/03 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 3/3/06 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 3/27/06 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 4/7/07 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 12/17/07 | 59.00 | 60.90 | 19.1270 | 0.00 | 935,912,904,962 | 0 |
| 3/18/08 | 59.00 | 60.90 | 19.1270 | 0.40 | 935,912,904,962 | 3,743,651,620 |
| 1/15/80 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/7/84 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/8/85 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/29/85 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/11/86 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/12/86 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/26/86 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 3/3/86 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 3/12/86 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 3/26/90 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/7/91 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/7/92 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 2/14/93 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 2/4/97 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/19/97 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/29/98 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 2/26/99 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/6/00 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/8/00 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 2/26/01 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/26/01 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/5/02 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 11/21/02 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/2/03 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/3/04 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/5/05 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/6/05 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 1/31/05 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 12/17/05 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 4/28/07 | 60.00 | 60.50 | 19.4512 | 0.00 | 951,775,835,555 | 0 |
| 2/19/09 | 60.00 | 60.50 | 19.4512 | 0.60 | 951,775,835,555 | 5,710,655,013 |
| 1/9/80 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 4/19/84 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 11/23/84 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 11/19/85 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 1/4/89 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 4/19/89 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 3/28/90 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 3/25/91 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 12/20/91 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 12/11/97 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 11/6/00 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 1/7/05 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 11/14/06 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 3/2/08 | 61.00 | 59.90 | 19.7754 | 0.00 | 967,638,766,148 | 0 |
| 11/15/08 | 61.00 | 59.90 | 19.7754 | 0.30 | 967,638,766,148 | 2,902,916,298 |
| 11/10/84 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/28/84 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/29/84 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/30/84 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/28/85 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 11/4/91 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/19/91 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/2/92 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/5/92 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/6/92 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 2/9/94 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 3/30/94 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/6/94 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 3/24/98 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/3/98 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/8/01 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 3/20/02 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 3/21/02 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 11/20/02 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 2/5/03 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/29/03 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/21/04 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 12/21/04 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/4/05 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/19/05 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 2/6/06 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/29/08 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/21/08 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 1/2/09 | 62.00 | 59.60 | 20.0996 | 0.00 | 983,501,696,740 | 0 |
| 4/8/09 | 62.00 | 59.60 | 20.0996 | 0.50 | 983,501,696,740 | 4,917,508,484 |
| 2/23/82 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 1/6/84 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 12/27/84 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 3/25/90 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 4/5/92 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 12/13/93 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 4/22/99 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 1/7/01 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 1/20/03 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 4/11/03 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 4/1/06 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 3/1/07 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 2/11/09 | 63.00 | 59.10 | 20.4237 | 0.00 | 999,364,627,333 | 0 |
| 11/10/09 | 63.00 | 59.10 | 20.4237 | 0.30 | 999,364,627,333 | 2,998,093,882 |
| 3/13/80 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/18/83 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/18/84 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/2/86 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/26/86 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/13/89 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/23/90 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 12/2/91 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 12/18/91 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/24/92 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/10/93 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 12/24/93 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 11/30/94 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 12/15/94 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 11/28/98 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/25/99 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/29/00 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/22/02 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 3/29/02 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 1/19/03 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 1/21/03 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 1/22/03 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/3/04 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 4/28/04 | 64.00 | 58.80 | 20.7479 | 0.00 | 1,015,227,557,925 | 0 |
| 1/28/10 | 64.00 | 58.80 | 20.7479 | 0.50 | 1,015,227,557,925 | 5,076,137,790 |
| 1/8/80 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/12/80 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/9/82 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/24/82 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 11/9/84 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/19/85 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/7/85 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 12/27/85 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/27/86 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/19/89 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 11/14/92 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/19/93 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/8/94 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/29/94 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/7/97 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/9/99 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 12/5/00 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 12/22/00 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/25/01 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/19/02 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/3/03 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/1/03 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 11/25/03 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 12/12/03 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/28/04 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 1/3/05 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 2/28/07 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/19/07 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 12/23/07 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/27/08 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/23/09 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 4/26/09 | 65.00 | 58.30 | 21.0721 | 0.00 | 1,031,090,488,518 | 0 |
| 3/23/10 | 65.00 | 58.30 | 21.0721 | 0.60 | 1,031,090,488,518 | 6,186,542,931 |
| 1/14/80 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 3/17/80 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/8/81 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/27/83 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/5/84 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 12/26/84 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 11/7/85 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 12/7/85 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/13/90 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 3/24/90 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 2/15/91 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/3/92 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/4/92 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/29/92 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 11/3/92 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 2/16/93 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 3/27/94 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/19/97 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 2/4/03 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 3/27/04 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 12/20/04 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/11/05 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/12/05 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 1/22/05 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/10/05 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 11/13/06 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/14/08 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 4/18/08 | 66.00 | 57.70 | 21.3963 | 0.00 | 1,046,953,419,110 | 0 |
| 3/27/10 | 66.00 | 57.70 | 21.3963 | 0.60 | 1,046,953,419,110 | 6,281,720,515 |
| 2/28/80 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 3/11/80 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 2/9/84 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 4/29/85 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 3/1/86 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 2/13/91 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 2/17/91 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 1/1/92 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 2/3/97 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 3/8/99 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 4/14/00 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 2/28/02 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 11/19/02 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 1/18/03 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 11/17/03 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 12/2/03 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 1/2/05 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |
| 3/3/07 | 67.00 | 57.10 | 21.7205 | 0.00 | 1,062,816,349,703 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/24/09 | 67.00 | 57.10 | 21.7205 | 0.40 | 1,062,816,349,703 | 4,251,265,399 |
| 2/27/80 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 2/2/82 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 2/8/84 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/17/84 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 12/26/85 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/12/89 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 2/14/91 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/24/91 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 2/13/93 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/29/93 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 2/19/94 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/26/94 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/28/94 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 11/27/98 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 1/6/01 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/7/01 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 1/2/04 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/26/04 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/11/04 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/16/04 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 11/19/04 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/5/05 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 4/18/05 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/2/07 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 1/31/08 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/1/08 | 68.00 | 56.70 | 22.0447 | 0.00 | 1,078,679,280,296 | 0 |
| 3/22/10 | 68.00 | 56.70 | 22.0447 | 0.50 | 1,078,679,280,296 | 5,393,396,401 |
| 1/3/80 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 1/7/80 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 3/2/82 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 12/25/84 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 3/18/89 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 4/14/89 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 4/18/89 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 3/23/90 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 2/12/91 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 1/4/92 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 2/20/94 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 12/20/96 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 4/21/99 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 12/13/00 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 2/9/01 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 3/19/02 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 2/2/03 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/25/04 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 12/16/04 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 3/28/06 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 11/5/06 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 1/12/09 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 11/9/09 | 69.00 | 56.20 | 22.3689 | 0.00 | 1,094,542,210,888 | 0 |
| 4/10/10 | 69.00 | 56.20 | 22.3689 | 0.40 | 1,094,542,210,888 | 4,378,168,844 |
| 1/13/82 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 1/4/84 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 11/8/84 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 2/4/85 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 2/9/85 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/18/85 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 11/25/85 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/25/86 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 4/22/90 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/31/91 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 11/23/91 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 12/6/91 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 4/3/92 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 4/28/93 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 2/7/94 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/28/94 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 4/3/97 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 4/18/97 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 2/24/99 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/2/99 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 1/17/02 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/31/03 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 1/1/05 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 1/21/05 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/17/08 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 12/5/08 | 70.00 | 55.80 | 22.6930 | 0.00 | 1,110,405,141,481 | 0 |
| 3/21/10 | 70.00 | 55.80 | 22.6930 | 0.60 | 1,110,405,141,481 | 6,662,430,849 |
| 11/22/84 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 12/24/84 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 12/31/84 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 1/15/85 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 12/25/85 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 2/28/86 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/17/89 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/29/91 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 11/26/92 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/9/93 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/29/94 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/6/98 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/7/99 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 2/8/01 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 2/24/01 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 11/21/03 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/26/06 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 12/22/08 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 12/24/08 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 1/27/10 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/20/10 | 71.00 | 55.20 | 23.0172 | 0.00 | 1,126,268,072,073 | 0 |
| 3/26/10 | 71.00 | 55.20 | 23.0172 | 0.40 | 1,126,268,072,073 | 4,505,072,288 |
| 1/11/80 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 1/1/84 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 4/11/89 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 3/22/90 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 12/17/91 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/10/93 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 4/27/93 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 11/16/93 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 3/25/94 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 1/5/01 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/4/02 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/27/02 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 11/18/02 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 1/17/03 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/19/03 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/20/03 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/15/06 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 12/16/07 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 2/3/08 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 1/1/09 | 72.00 | 54.80 | 23.3414 | 0.00 | 1,142,131,002,666 | 0 |
| 3/19/10 | 72.00 | 54.80 | 23.3414 | 0.40 | 1,142,131,002,666 | 4,568,524,011 |
| 1/2/80 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 2/26/80 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 3/10/80 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/12/83 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 2/7/84 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/16/84 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 1/26/85 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 2/3/85 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/6/85 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/26/86 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 2/11/91 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 2/5/93 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 12/14/94 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/16/02 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/4/02 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/18/02 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/28/03 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 12/10/03 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 12/16/03 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 3/24/04 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 12/15/04 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 12/31/04 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 1/20/05 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 4/4/05 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 3/11/06 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 11/12/06 | 73.00 | 54.40 | 23.6656 | 0.00 | 1,157,993,933,259 | 0 |
| 11/29/08 | 73.00 | 54.40 | 23.6656 | 0.50 | 1,157,993,933,259 | 5,789,969,666 |
| 4/24/80 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 2/22/82 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 1/2/84 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 1/3/84 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 1/14/85 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 2/10/85 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 3/17/85 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 3/16/91 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 2/4/93 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 2/18/94 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 4/5/94 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 1/4/98 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 11/26/98 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 12/9/98 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 2/16/99 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 4/13/99 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 12/4/00 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 3/15/02 | 74.00 | 53.90 | 23.9898 | 0.00 | 1,173,856,863,851 | 0 |
| 1/10/05 | 74.00 | 53.90 | 23.9898 | 0.40 | 1,173,856,863,851 | 4,695,427,455 |
| 1/9/85 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/22/85 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 12/6/85 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 12/24/85 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/27/86 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 12/10/88 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 3/16/89 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/11/93 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 12/12/93 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/6/94 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 3/24/94 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 1/1/97 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/26/97 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/21/99 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 4/20/99 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/7/01 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/18/02 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 4/2/04 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 1/25/06 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 3/10/06 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/27/07 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 2/18/09 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 3/22/09 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 4/7/09 | 75.00 | 53.50 | 24.3140 | 0.00 | 1,189,719,794,444 | 0 |
| 3/18/10 | 75.00 | 53.50 | 24.3140 | 0.50 | 1,189,719,794,444 | 5,948,598,972 |
| 3/16/83 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/17/83 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 4/17/83 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 12/23/84 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/23/85 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/25/85 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/27/85 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/3/89 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/21/90 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/15/91 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/23/91 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 4/26/93 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/20/94 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/8/96 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 4/2/97 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/3/98 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/23/98 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/21/00 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 4/8/00 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/4/01 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/15/02 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/18/02 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/11/02 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 11/1/02 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 4/5/03 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/11/04 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 12/19/04 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 1/29/06 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 3/2/06 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 11/4/06 | 76.00 | 53.00 | 24.6382 | 0.00 | 1,205,582,725,036 | 0 |
| 2/24/07 | 76.00 | 53.00 | 24.6382 | 0.60 | 1,205,582,725,036 | 7,233,496,350 |
| 1/6/80 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/24/82 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 1/19/83 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 3/19/83 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 12/31/83 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 2/10/84 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 1/10/85 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 1/24/85 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 3/24/86 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 4/21/90 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 2/5/94 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 4/27/94 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 12/6/97 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 12/8/97 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 3/6/98 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 12/21/00 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 4/6/01 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 2/1/03 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 1/19/05 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 3/19/05 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 4/9/05 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 3/17/07 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 2/29/08 | 77.00 | 52.40 | 24.9624 | 0.00 | 1,221,445,655,629 | 0 |
| 11/8/09 | 77.00 | 52.40 | 24.9624 | 0.40 | 1,221,445,655,629 | 4,885,782,623 |
| 1/4/80 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 4/5/82 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 2/21/85 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 11/6/85 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 12/31/91 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 2/12/93 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 12/4/94 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 2/2/97 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 11/18/00 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 3/12/02 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 3/28/02 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 1/16/03 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 12/17/04 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 12/30/04 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 12/14/05 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 4/18/07 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 4/26/07 | 78.00 | 52.00 | 25.2865 | 0.00 | 1,237,308,586,221 | 0 |
| 3/17/10 | 78.00 | 52.00 | 25.2865 | 0.40 | 1,237,308,586,221 | 4,949,234,345 |
| 3/9/80 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 2/26/82 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 11/19/82 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 12/10/82 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/18/83 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/15/83 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/27/84 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 1/22/85 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/16/85 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 4/27/85 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 12/12/92 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 2/3/93 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/8/93 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/23/94 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 1/2/98 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 11/25/98 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 2/28/01 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 2/3/02 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/16/02 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 4/10/03 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 11/6/04 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 3/18/05 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 4/17/05 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 12/22/06 | 79.00 | 51.60 | 25.6107 | 0.00 | 1,253,171,516,814 | 0 |
| 1/15/10 | 79.00 | 51.60 | 25.6107 | 0.40 | 1,253,171,516,814 | 5,012,686,067 |
| 2/25/80 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 1/14/82 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 12/23/82 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/18/83 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 1/13/85 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/2/85 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 12/23/85 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/26/86 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/18/86 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/10/91 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/22/91 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 4/2/92 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/9/93 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 12/20/95 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 4/17/97 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 1/31/98 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/15/99 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/1/99 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/6/99 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/23/01 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 1/14/02 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/17/02 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 11/17/02 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/30/03 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/23/04 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/23/07 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/15/08 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 4/13/08 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 2/4/09 | 80.00 | 51.20 | 25.9349 | 0.00 | 1,269,034,447,407 | 0 |
| 3/16/10 | 80.00 | 51.20 | 25.9349 | 0.60 | 1,269,034,447,407 | 7,614,206,684 |
| 2/29/80 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/23/80 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 3/26/84 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/15/84 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/25/86 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 3/15/89 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/10/89 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 12/30/89 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 1/3/93 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 11/18/93 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 12/25/00 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 2/6/01 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/17/02 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 12/13/03 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 1/17/04 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 3/20/04 | 81.00 | 50.60 | 26.2591 | 0.00 | 1,284,897,377,999 | 0 |
| 4/25/09 | 81.00 | 50.60 | 26.2591 | 0.30 | 1,284,897,377,999 | 3,854,692,134 |
| 1/13/80 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 3/8/80 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 4/11/80 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 3/14/83 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 11/7/84 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 1/8/85 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/20/85 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 1/12/90 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 11/1/92 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/4/94 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/17/94 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/23/99 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 3/14/02 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 3/18/02 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 11/16/02 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 3/17/05 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 12/14/06 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/11/07 | 82.00 | 50.30 | 26.5833 | 0.00 | 1,300,760,308,592 | 0 |
| 2/25/07 | 82.00 | 50.30 | 26.5833 | 0.40 | 1,300,760,308,592 | 5,203,041,234 |
| 1/1/80 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 1/17/83 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 12/22/84 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/16/85 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 3/17/86 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 4/23/92 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 12/28/94 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 4/10/95 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 2/20/99 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 1/3/01 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 2/10/01 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 3/13/02 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 11/26/03 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 12/14/04 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 3/31/06 | 83.00 | 49.90 | 26.9075 | 0.00 | 1,316,623,239,184 | 0 |
| 1/14/10 | 83.00 | 49.90 | 26.9075 | 0.30 | 1,316,623,239,184 | 3,949,869,718 |
| 12/22/82 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 3/13/83 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/11/83 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/5/85 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/28/85 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 2/25/86 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 3/23/86 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 3/13/90 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/20/90 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 3/14/91 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 2/2/93 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 2/18/93 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/25/93 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 12/5/94 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 12/27/94 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 12/27/96 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 1/28/99 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 4/19/99 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 1/13/02 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 2/26/02 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 2/18/03 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 12/1/03 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 1/9/04 | 84.00 | 49.60 | 27.2317 | 0.00 | 1,332,486,169,777 | 0 |
| 12/29/04 | 84.00 | 49.60 | 27.2317 | 0.50 | 1,332,486,169,777 | 6,662,430,849 |
| 2/24/80 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 4/1/84 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 2/8/85 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 3/21/91 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 12/26/91 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 3/22/94 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 4/4/95 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 2/5/98 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/24/98 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 4/12/99 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 4/27/99 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 4/28/99 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 12/3/00 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 2/15/01 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 1/4/02 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 2/16/02 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 11/15/02 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 1/15/03 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 1/20/04 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 12/18/04 | 85.00 | 49.10 | 27.5558 | 0.00 | 1,348,349,100,370 | 0 |
| 1/26/10 | 85.00 | 49.10 | 27.5558 | 0.40 | 1,348,349,100,370 | 5,393,396,401 |
| 3/7/80 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 11/18/82 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 3/25/84 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 2/1/85 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 12/22/85 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 3/14/90 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 3/20/90 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 2/25/93 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 1/25/96 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 12/2/96 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 3/12/99 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 3/16/05 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 4/3/05 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 11/3/06 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 11/11/06 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 4/26/08 | 86.00 | 48.70 | 27.8800 | 0.00 | 1,364,212,030,962 | 0 |
| 1/11/09 | 86.00 | 48.70 | 27.8800 | 0.30 | 1,364,212,030,962 | 4,092,636,093 |
| 2/11/82 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 1/16/83 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/12/83 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 4/26/83 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 2/6/84 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/15/85 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/16/86 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 12/17/88 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 4/9/89 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 12/24/90 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/25/92 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 4/22/94 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 4/3/95 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 4/1/97 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 1/1/98 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/10/98 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 1/27/99 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/10/02 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 1/1/04 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 1/18/05 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 11/7/09 | 87.00 | 48.40 | 28.2042 | 0.00 | 1,380,074,961,555 | 0 |
| 3/15/10 | 87.00 | 48.40 | 28.2042 | 0.40 | 1,380,074,961,555 | 5,520,299,846 |
| 4/10/80 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 12/21/84 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/19/85 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 12/5/85 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 3/14/89 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/18/91 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 12/21/91 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 3/28/92 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 11/2/92 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 4/2/95 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 1/21/99 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/17/99 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/22/01 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 1/23/02 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 11/14/02 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 3/13/04 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 3/25/06 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 12/24/06 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/10/07 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 2/12/07 | 88.00 | 48.00 | 28.5284 | 0.00 | 1,395,937,892,147 | 0 |
| 1/13/10 | 88.00 | 48.00 | 28.5284 | 0.40 | 1,395,937,892,147 | 5,583,751,569 |
| 3/7/81 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/21/82 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 12/9/82 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/2/84 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/24/86 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 4/17/89 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/12/90 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 12/31/90 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/13/91 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/30/91 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 12/16/91 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/24/92 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 4/1/92 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 11/25/92 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 4/25/96 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/11/97 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 4/4/97 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/11/99 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 4/5/01 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/19/04 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/21/04 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/23/06 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/22/07 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 2/26/07 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 3/16/08 | 89.00 | 47.60 | 28.8526 | 0.00 | 1,411,800,822,740 | 0 |
| 12/31/08 | 89.00 | 47.60 | 28.8526 | 0.50 | 1,411,800,822,740 | 7,059,004,114 |
| 4/4/83 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 4/24/86 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/4/91 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 3/12/91 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 1/2/93 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/1/93 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 4/30/93 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 11/17/93 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 4/1/95 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 4/9/95 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 4/25/97 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 3/5/98 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 1/20/99 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/14/99 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 12/20/00 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/5/01 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 1/5/02 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/15/02 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 2/14/03 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 3/21/09 | 90.00 | 47.10 | 29.1768 | 0.00 | 1,427,663,753,332 | 0 |
| 11/22/09 | 90.00 | 47.10 | 29.1768 | 0.50 | 1,427,663,753,332 | 7,138,318,767 |
| 4/22/80 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 3/7/82 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 3/24/84 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 1/31/85 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 4/8/89 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 3/23/92 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 1/18/93 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 3/7/93 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 1/26/94 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 2/3/94 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 12/28/96 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 11/5/00 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 2/15/03 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 4/16/05 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |
| 4/27/07 | 91.00 | 46.60 | 29.5010 | 0.00 | 1,443,526,683,925 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/12/09 | 91.00 | 46.60 | 29.5010 | 0.30 | 1,443,526,683,925 | 4,330,580,052 |
| 1/12/80 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 2/23/80 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 3/23/82 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/5/83 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/13/83 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 12/13/84 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 3/14/85 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 2/9/91 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/24/93 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 3/21/94 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/5/95 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 1/18/97 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 3/1/01 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 2/2/02 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/16/02 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 1/13/03 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 1/14/03 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 1/8/05 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/23/06 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 4/20/08 | 92.00 | 46.30 | 29.8251 | 0.00 | 1,459,389,614,518 | 0 |
| 12/22/09 | 92.00 | 46.30 | 29.8251 | 0.40 | 1,459,389,614,518 | 5,837,558,458 |
| 1/5/80 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/1/82 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/23/84 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 1/21/85 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/15/86 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/22/86 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/20/89 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/3/91 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/11/91 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/22/92 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/11/93 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/16/94 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 12/13/94 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/1/97 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 12/1/97 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 12/10/97 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 1/2/01 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/11/01 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/25/02 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/17/02 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 1/31/03 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 3/12/04 | 93.00 | 45.90 | 30.1493 | 0.00 | 1,475,252,545,110 | 0 |
| 2/21/07 | 93.00 | 45.90 | 30.1493 | 0.40 | 1,475,252,545,110 | 5,901,010,180 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/8/82 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/15/83 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/22/84 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 12/12/84 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/7/85 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/26/85 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 2/23/86 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/13/89 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/11/90 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 12/30/91 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 4/11/94 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/30/98 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/3/02 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/22/04 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 12/28/04 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/15/05 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 2/9/07 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 1/12/10 | 94.00 | 45.50 | 30.4735 | 0.00 | 1,491,115,475,703 | 0 |
| 3/14/10 | 94.00 | 45.50 | 30.4735 | 0.40 | 1,491,115,475,703 | 5,964,461,903 |
| 12/21/82 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/11/83 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 12/20/84 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/13/85 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 12/21/85 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 4/19/90 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 4/21/94 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 11/7/94 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 12/29/96 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 4/11/97 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/12/98 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/22/98 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 11/23/98 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/5/99 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 2/14/01 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 2/21/01 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 4/25/01 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 1/12/02 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 1/12/03 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 3/25/03 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 2/20/07 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 2/28/08 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 12/21/08 | 95.00 | 45.10 | 30.7977 | 0.00 | 1,506,978,406,295 | 0 |
| 11/23/09 | 95.00 | 45.10 | 30.7977 | 0.40 | 1,506,978,406,295 | 6,027,913,625 |
| 4/14/84 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 11/21/84 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/22/86 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 1/1/91 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 1/17/93 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 11/28/94 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 12/26/94 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 3/24/97 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 11/20/97 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 3/9/02 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 1/28/08 | 96.00 | 44.70 | 31.1219 | 0.00 | 1,522,841,336,888 | 0 |
| 4/12/08 | 96.00 | 44.70 | 31.1219 | 0.30 | 1,522,841,336,888 | 4,568,524,011 |
| 4/3/83 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/26/83 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 2/18/85 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/3/90 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 11/29/90 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/30/90 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 3/20/91 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/5/91 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/27/91 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/4/93 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/19/99 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/26/99 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/19/02 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/13/04 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 1/19/06 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 2/5/06 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 12/17/08 | 97.00 | 44.40 | 31.4461 | 0.00 | 1,538,704,267,481 | 0 |
| 2/17/09 | 97.00 | 44.40 | 31.4461 | 0.30 | 1,538,704,267,481 | 4,616,112,802 |
| 3/6/80 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 12/27/83 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 2/1/84 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/22/84 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 11/1/84 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 4/4/85 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 4/23/86 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 4/6/91 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 4/26/91 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/21/92 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/27/92 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 2/6/93 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 1/5/95 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/30/95 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/31/95 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/12/97 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 1/28/01 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 11/13/02 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/29/03 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 3/31/05 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 2/14/06 | 98.00 | 44.10 | 31.7703 | 0.00 | 1,554,567,198,073 | 0 |
| 4/6/07 | 98.00 | 44.10 | 31.7703 | 0.40 | 1,554,567,198,073 | 6,218,268,792 |
| 2/22/80 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 2/25/84 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 3/12/85 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 3/19/86 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/7/89 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 3/11/97 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 3/31/97 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 1/1/99 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 2/4/01 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 1/22/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 1/24/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 1/31/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 2/1/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 2/14/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/3/02 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/1/04 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/8/05 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 2/8/07 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/4/07 | 99.00 | 43.70 | 32.0945 | 0.00 | 1,570,430,128,666 | 0 |
| 4/6/09 | 99.00 | 43.70 | 32.0945 | 0.40 | 1,570,430,128,666 | 6,281,720,515 |
| 4/9/80 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 1/14/83 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 2/11/84 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 11/16/84 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 12/11/84 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 2/21/86 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 12/31/88 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 2/2/91 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 11/3/91 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 1/31/93 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 12/15/93 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 3/20/94 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 4/26/94 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 1/12/95 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 4/19/95 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 2/13/99 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 2/28/99 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 4/11/99 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 1/27/01 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 4/24/01 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/14/05 | 100.00 | 43.30 | 32.4186 | 0.00 | 1,586,293,059,258 | 0 |
| 12/6/09 | 100.00 | 43.30 | 32.4186 | 0.40 | 1,586,293,059,258 | 6,345,172,237 |
| 11/26/83 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 12/30/83 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/31/84 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 11/5/85 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/21/86 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 12/25/88 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/10/90 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/10/91 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 2/8/93 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/29/95 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 4/8/95 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 4/16/96 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 12/31/97 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 4/18/99 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 2/12/01 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 3/11/04 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 4/30/09 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 11/6/09 | 101.00 | 42.90 | 32.7428 | 0.00 | 1,602,155,989,851 | 0 |
| 12/23/09 | 101.00 | 42.90 | 32.7428 | 0.40 | 1,602,155,989,851 | 6,408,623,959 |
| 3/5/80 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 3/12/89 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 3/19/90 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 11/13/92 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 12/10/94 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 1/15/97 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 4/10/97 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 4/16/97 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 12/19/00 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 3/24/01 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 1/11/03 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 1/9/05 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 3/1/06 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 2/19/07 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 4/24/09 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 1/11/10 | 102.00 | 42.50 | 33.0670 | 0.00 | 1,618,018,920,443 | 0 |
| 1/25/10 | 102.00 | 42.50 | 33.0670 | 0.30 | 1,618,018,920,443 | 4,854,056,761 |
| 4/10/83 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 1/30/85 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 2/17/93 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 1/6/96 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 4/4/01 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 3/8/02 | 103.00 | 42.20 | 33.3912 | 0.00 | 1,633,881,851,036 | 0 |
| 4/19/08 | 103.00 | 42.20 | 33.3912 | 0.20 | 1,633,881,851,036 | 3,267,763,702 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/2/82 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 2/20/86 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/14/86 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 11/22/91 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/26/95 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/27/95 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/10/97 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/15/98 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 12/2/00 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 1/2/02 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 12/9/02 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 2/13/03 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 2/6/05 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 4/2/05 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 2/7/07 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 12/13/09 | 104.00 | 42.00 | 33.7154 | 0.00 | 1,649,744,781,629 | 0 |
| 3/13/10 | 104.00 | 42.00 | 33.7154 | 0.30 | 1,649,744,781,629 | 4,949,234,345 |
| 2/3/84 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 11/6/84 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 1/12/85 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 3/9/90 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 1/1/93 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 4/23/93 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 2/27/95 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 3/25/95 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 4/18/95 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 2/4/98 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 1/30/02 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 2/24/02 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 3/24/03 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 3/18/04 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 4/15/04 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 12/12/06 | 105.00 | 41.70 | 34.0396 | 0.00 | 1,665,607,712,221 | 0 |
| 12/11/09 | 105.00 | 41.70 | 34.0396 | 0.30 | 1,665,607,712,221 | 4,996,823,137 |
| 4/21/80 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 1/24/83 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 4/16/83 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 12/19/84 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 12/20/85 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 2/2/94 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 1/11/95 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 3/28/95 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 4/6/95 | 106.00 | 41.40 | 34.3638 | 0.00 | 1,681,470,642,814 | 0 |
| 12/21/09 | 106.00 | 41.40 | 34.3638 | 0.20 | 1,681,470,642,814 | 3,362,941,286 |
| 2/21/80 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/4/80 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 12/3/84 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 2/5/85 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 4/15/89 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 1/11/90 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 3/31/92 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 3/8/94 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 3/24/95 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 11/22/98 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 3/23/01 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 1/11/02 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 12/11/03 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 3/13/05 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 4/17/07 | 107.00 | 41.20 | 34.6879 | 0.00 | 1,697,333,573,406 | 0 |
| 12/16/08 | 107.00 | 41.20 | 34.6879 | 0.30 | 1,697,333,573,406 | 5,092,000,720 |
| 1/13/83 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/10/83 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/21/84 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/11/85 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 2/19/86 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 2/8/91 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/20/92 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/1/93 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/19/94 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 2/26/95 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/23/97 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 1/18/99 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 2/19/99 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 11/21/00 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 2/13/01 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 4/15/02 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 4/27/03 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 1/17/05 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 4/21/06 | 108.00 | 40.90 | 35.0121 | 0.00 | 1,713,196,503,999 | 0 |
| 3/3/08 | 108.00 | 40.90 | 35.0121 | 0.40 | 1,713,196,503,999 | 6,852,786,016 |
| 12/8/82 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 12/10/84 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 3/27/85 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 12/16/88 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 1/30/93 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 2/28/93 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 4/20/93 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 2/15/94 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 1/1/01 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 3/27/01 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/13/02 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 2/17/03 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 1/10/04 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 4/11/08 | 109.00 | 40.50 | 35.3363 | 0.00 | 1,729,059,434,592 | 0 |
| 4/27/09 | 109.00 | 40.50 | 35.3363 | 0.30 | 1,729,059,434,592 | 5,187,178,304 |
| 12/20/83 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 1/14/84 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 1/21/84 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 12/4/84 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 2/17/85 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 11/26/85 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 3/8/90 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 4/7/91 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 3/26/92 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 1/25/97 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 2/1/98 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 1/22/99 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 3/24/99 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 1/26/01 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 12/27/04 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 3/30/06 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 11/10/06 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 3/15/08 | 110.00 | 40.20 | 35.6605 | 0.00 | 1,744,922,365,184 | 0 |
| 4/17/09 | 110.00 | 40.20 | 35.6605 | 0.40 | 1,744,922,365,184 | 6,979,689,461 |
| 3/11/89 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 12/25/91 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 3/18/92 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 1/16/93 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 3/6/93 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 4/25/94 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 4/17/95 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 12/19/96 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 3/25/97 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 2/22/99 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 2/20/01 | 111.00 | 39.80 | 35.9847 | 0.00 | 1,760,785,295,777 | 0 |
| 1/10/09 | 111.00 | 39.80 | 35.9847 | 0.20 | 1,760,785,295,777 | 3,521,570,592 |
| 2/5/80 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 4/2/83 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 2/24/84 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 3/4/84 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 3/25/85 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 2/18/86 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 4/22/86 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 4/25/91 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 3/29/93 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/20/94 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 12/25/94 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 1/6/95 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 3/9/97 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 12/31/98 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 3/7/02 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 1/10/03 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 11/2/06 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 12/18/08 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 4/16/09 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 1/6/10 | 112.00 | 39.60 | 36.3089 | 0.00 | 1,776,648,226,369 | 0 |
| 1/24/10 | 112.00 | 39.60 | 36.3089 | 0.40 | 1,776,648,226,369 | 7,106,592,905 |
| 2/20/80 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 4/8/80 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 4/7/84 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 3/30/85 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 12/13/88 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 4/6/89 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/1/91 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 3/17/92 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 1/29/93 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/25/95 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 3/23/95 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/9/98 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 3/4/98 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/12/99 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 3/23/99 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 4/7/00 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 1/29/02 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/19/02 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 1/30/03 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 11/30/03 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 12/12/04 | 113.00 | 39.20 | 36.6331 | 0.00 | 1,792,511,156,962 | 0 |
| 2/6/07 | 113.00 | 39.20 | 36.6331 | 0.40 | 1,792,511,156,962 | 7,170,044,628 |
| 1/31/84 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 1/6/85 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 4/21/86 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 1/2/89 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 2/12/89 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 4/18/90 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 2/5/91 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 3/19/92 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 4/10/94 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 1/29/03 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 3/10/04 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/30/06 | 114.00 | 38.80 | 36.9572 | 0.00 | 1,808,374,087,554 | 0 |
| 3/20/09 | 114.00 | 38.80 | 36.9572 | 0.30 | 1,808,374,087,554 | 5,425,122,263 |
| 12/20/82 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 3/10/85 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 2/17/86 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 3/20/86 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 1/7/91 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 1/8/91 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 3/9/91 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 1/4/95 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 1/10/95 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 3/22/01 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 1/1/02 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 11/12/02 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 12/15/03 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 4/15/05 | 115.00 | 38.50 | 37.2814 | 0.00 | 1,824,237,018,147 | 0 |
| 12/7/09 | 115.00 | 38.50 | 37.2814 | 0.30 | 1,824,237,018,147 | 5,472,711,054 |
| 2/20/82 | 116.00 | 38.20 | 37.6056 | 0.00 | 1,840,099,948,740 | 0 |
| 2/3/01 | 116.00 | 38.20 | 37.6056 | 0.00 | 1,840,099,948,740 | 0 |
| 11/1/06 | 116.00 | 38.20 | 37.6056 | 0.00 | 1,840,099,948,740 | 0 |
| 12/29/06 | 116.00 | 38.20 | 37.6056 | 0.00 | 1,840,099,948,740 | 0 |
| 11/30/08 | 116.00 | 38.20 | 37.6056 | 0.10 | 1,840,099,948,740 | 1,840,099,949 |
| 2/5/84 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 12/4/85 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 3/7/90 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 4/19/93 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 3/18/94 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 2/10/97 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 3/27/02 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 1/9/03 | 117.00 | 38.10 | 37.9298 | 0.00 | 1,855,962,879,332 | 0 |
| 3/29/06 | 117.00 | 38.10 | 37.9298 | 0.10 | 1,855,962,879,332 | 1,855,962,879 |
| 4/13/84 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 2/16/86 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 4/9/90 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 4/7/95 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 1/17/99 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 2/16/03 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 3/30/05 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 12/28/06 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 2/18/07 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 12/27/08 | 118.00 | 38.00 | 38.2540 | 0.00 | 1,871,825,809,925 | 0 |
| 2/3/09 | 118.00 | 38.00 | 38.2540 | 0.30 | 1,871,825,809,925 | 5,615,477,430 |
| 4/6/83 | 119.00 | 37.70 | 38.5782 | 0.00 | 1,887,688,740,517 | 0 |
| 3/3/84 | 119.00 | 37.70 | 38.5782 | 0.00 | 1,887,688,740,517 | 0 |
| 12/9/84 | 119.00 | 37.70 | 38.5782 | 0.00 | 1,887,688,740,517 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/24/95 | 119.00 | 37.70 | 38.5782 | 0.00 | 1,887,688,740,517 | 0 |
| 1/25/99 | 119.00 | 37.70 | 38.5782 | 0.00 | 1,887,688,740,517 | 0 |
| 12/13/06 | 119.00 | 37.70 | 38.5782 | 0.10 | 1,887,688,740,517 | 1,887,688,741 |
| 2/7/80 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 2/19/80 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 2/7/85 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 2/16/89 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 12/29/91 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/29/92 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/22/95 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 4/16/95 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 4/30/95 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 12/17/95 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 4/9/97 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 12/30/97 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 1/29/98 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/3/99 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/22/99 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 1/10/02 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 2/12/02 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/12/03 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 4/1/05 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 3/16/07 | 120.00 | 37.60 | 38.9024 | 0.00 | 1,903,551,671,110 | 0 |
| 1/10/10 | 120.00 | 37.60 | 38.9024 | 0.40 | 1,903,551,671,110 | 7,614,206,684 |
| 2/6/80 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 4/7/80 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 11/21/83 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 4/3/85 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 2/11/89 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 12/31/92 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 3/7/94 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 12/1/96 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 3/23/03 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 3/26/05 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 12/23/06 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 4/10/08 | 121.00 | 37.20 | 39.2266 | 0.00 | 1,919,414,601,703 | 0 |
| 3/12/10 | 121.00 | 37.20 | 39.2266 | 0.20 | 1,919,414,601,703 | 3,838,829,203 |
| 2/20/83 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 3/3/83 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 1/30/84 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 3/20/84 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 11/26/84 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 4/5/90 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 1/28/93 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 3/8/97 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/30/97 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 11/21/98 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 4/10/99 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 2/5/02 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 1/29/04 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 3/12/05 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 3/24/06 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 12/20/08 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 11/5/09 | 122.00 | 37.00 | 39.5507 | 0.00 | 1,935,277,532,295 | 0 |
| 1/7/10 | 122.00 | 37.00 | 39.5507 | 0.40 | 1,935,277,532,295 | 7,741,110,129 |
| 1/12/83 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 12/2/84 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 1/3/85 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 1/20/85 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 2/15/86 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 2/15/89 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 3/10/89 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 3/16/92 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 4/19/94 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 1/31/97 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 4/15/97 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 3/12/00 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 12/7/01 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 4/14/02 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 1/8/03 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 3/26/03 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 4/9/03 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 2/21/10 | 123.00 | 36.60 | 39.8749 | 0.00 | 1,951,140,462,888 | 0 |
| 4/8/10 | 123.00 | 36.60 | 39.8749 | 0.30 | 1,951,140,462,888 | 5,853,421,389 |
| 1/9/84 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 12/18/84 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 3/9/85 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 3/13/86 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 1/17/92 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 12/31/96 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 1/20/98 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 3/10/99 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 12/8/01 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 12/18/02 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 1/28/03 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 1/14/07 | 124.00 | 36.30 | 40.1991 | 0.00 | 1,967,003,393,480 | 0 |
| 11/30/09 | 124.00 | 36.30 | 40.1991 | 0.30 | 1,967,003,393,480 | 5,901,010,180 |
| 12/19/85 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 3/30/93 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 4/18/93 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/24/94 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 3/21/98 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 3/4/99 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 4/3/01 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 11/20/04 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 2/5/07 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 3/15/07 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 12/30/08 | 125.00 | 36.00 | 40.5233 | 0.00 | 1,982,866,324,073 | 0 |
| 3/8/10 | 125.00 | 36.00 | 40.5233 | 0.20 | 1,982,866,324,073 | 3,965,732,648 |
| 1/11/85 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 2/16/85 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 3/22/97 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 2/15/98 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 1/16/99 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 1/21/02 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 3/6/02 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 3/27/05 | 126.00 | 35.80 | 40.8475 | 0.00 | 1,998,729,254,665 | 0 |
| 2/3/10 | 126.00 | 35.80 | 40.8475 | 0.20 | 1,998,729,254,665 | 3,997,458,509 |
| 1/29/80 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 2/4/80 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 12/25/83 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 3/19/91 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 12/15/91 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 2/10/95 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 2/23/95 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 2/11/99 | 127.00 | 35.60 | 41.1717 | 0.00 | 2,014,592,185,258 | 0 |
| 1/23/10 | 127.00 | 35.60 | 41.1717 | 0.20 | 2,014,592,185,258 | 4,029,184,371 |
| 2/14/86 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 1/6/91 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 1/15/93 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 2/9/95 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 12/8/02 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 2/26/08 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 12/5/09 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 1/5/10 | 128.00 | 35.40 | 41.4959 | 0.00 | 2,030,455,115,851 | 0 |
| 2/23/10 | 128.00 | 35.40 | 41.4959 | 0.10 | 2,030,455,115,851 | 2,030,455,116 |
| 3/26/80 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 1/20/83 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 3/9/83 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 2/23/84 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 3/6/90 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 1/31/91 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 12/13/91 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 2/28/94 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 2/11/95 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/21/95 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 1/25/01 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 12/31/01 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 2/23/02 | 129.00 | 35.30 | 41.8200 | 0.00 | 2,046,318,046,443 | 0 |
| 1/27/03 | 129.00 | 35.30 | 41.8200 | 0.30 | 2,046,318,046,443 | 6,138,954,139 |
| 11/21/82 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 12/16/83 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 2/28/90 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 11/24/92 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 12/19/95 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 1/5/98 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 3/21/01 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 3/11/03 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 1/13/07 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 2/27/08 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 3/10/08 | 130.00 | 35.00 | 42.1442 | 0.00 | 2,062,180,977,036 | 0 |
| 12/15/08 | 130.00 | 35.00 | 42.1442 | 0.20 | 2,062,180,977,036 | 4,124,361,954 |
| 4/6/80 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 1/28/83 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/19/83 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 4/1/83 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 12/28/83 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 3/18/90 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 4/24/91 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 12/12/91 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 1/26/92 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 3/28/93 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/1/94 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 3/17/94 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 1/28/02 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/5/05 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/2/08 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/12/09 | 131.00 | 34.80 | 42.4684 | 0.00 | 2,078,043,907,628 | 0 |
| 2/20/10 | 131.00 | 34.80 | 42.4684 | 0.40 | 2,078,043,907,628 | 8,312,175,631 |
| 2/18/80 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 3/25/80 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 4/9/83 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 3/2/84 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 2/13/86 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 4/16/89 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 3/1/90 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 11/29/94 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 2/21/98 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 3/21/99 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |
| 12/11/01 | 132.00 | 34.40 | 42.7926 | 0.00 | 2,093,906,838,221 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/19/04 | 132.00 | 34.40 | 42.7926 | 0.20 | 2,093,906,838,221 | 4,187,813,676 |
| 1/23/83 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 3/2/83 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 12/17/84 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 4/5/89 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 3/15/92 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 12/20/92 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 2/7/93 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 2/8/95 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 12/18/00 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 3/28/03 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 3/6/08 | 133.00 | 34.20 | 43.1168 | 0.00 | 2,109,769,768,814 | 0 |
| 2/22/10 | 133.00 | 34.20 | 43.1168 | 0.20 | 2,109,769,768,814 | 4,219,539,538 |
| 2/9/89 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 3/17/91 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 1/3/95 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 11/26/96 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 3/29/99 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 3/25/01 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 12/6/01 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 1/9/02 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 2/12/03 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 3/9/04 | 134.00 | 34.00 | 43.4410 | 0.00 | 2,125,632,699,406 | 0 |
| 12/19/08 | 134.00 | 34.00 | 43.4410 | 0.20 | 2,125,632,699,406 | 4,251,265,399 |
| 2/8/89 | 135.00 | 33.80 | 43.7652 | 0.00 | 2,141,495,629,999 | 0 |
| 3/8/91 | 135.00 | 33.80 | 43.7652 | 0.00 | 2,141,495,629,999 | 0 |
| 2/12/95 | 135.00 | 33.80 | 43.7652 | 0.00 | 2,141,495,629,999 | 0 |
| 2/13/95 | 135.00 | 33.80 | 43.7652 | 0.00 | 2,141,495,629,999 | 0 |
| 12/27/98 | 135.00 | 33.80 | 43.7652 | 0.10 | 2,141,495,629,999 | 2,141,495,630 |
| 2/1/82 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 4/30/82 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 3/19/84 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 3/8/85 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 2/13/89 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 12/22/02 | 136.00 | 33.70 | 44.0893 | 0.00 | 2,157,358,560,591 | 0 |
| 11/5/04 | 136.00 | 33.70 | 44.0893 | 0.20 | 2,157,358,560,591 | 4,314,717,121 |
| 4/20/80 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 2/18/90 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 4/30/90 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 2/7/91 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 4/22/92 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 4/22/93 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 1/19/94 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 3/6/94 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 12/9/97 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/10/99 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 11/29/00 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 3/17/04 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 2/22/05 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 4/25/08 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 4/5/09 | 137.00 | 33.50 | 44.4135 | 0.00 | 2,173,221,491,184 | 0 |
| 12/20/09 | 137.00 | 33.50 | 44.4135 | 0.30 | 2,173,221,491,184 | 6,519,664,474 |
| 1/29/84 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 2/12/86 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 2/10/89 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 12/28/91 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 3/30/92 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 1/9/95 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 2/7/95 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 3/11/00 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 3/26/01 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 12/22/07 | 138.00 | 33.20 | 44.7377 | 0.00 | 2,189,084,421,776 | 0 |
| 3/14/08 | 138.00 | 33.20 | 44.7377 | 0.20 | 2,189,084,421,776 | 4,378,168,844 |
| 4/30/80 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 2/12/92 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 12/30/92 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 1/27/93 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 12/14/93 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 12/24/94 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 3/7/97 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 3/18/97 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 1/28/98 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 12/26/04 | 139.00 | 33.00 | 45.0619 | 0.00 | 2,204,947,352,369 | 0 |
| 1/12/07 | 139.00 | 33.00 | 45.0619 | 0.20 | 2,204,947,352,369 | 4,409,894,705 |
| 3/24/80 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 1/13/84 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 4/6/84 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 4/9/94 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 2/14/95 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 1/15/99 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 12/1/00 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 11/11/02 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 1/7/03 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 2/21/05 | 140.00 | 32.80 | 45.3861 | 0.00 | 2,220,810,282,962 | 0 |
| 2/17/07 | 140.00 | 32.80 | 45.3861 | 0.20 | 2,220,810,282,962 | 4,441,620,566 |
| 12/29/83 | 141.00 | 32.60 | 45.7103 | 0.00 | 2,236,673,213,554 | 0 |
| 3/9/89 | 141.00 | 32.60 | 45.7103 | 0.00 | 2,236,673,213,554 | 0 |
| 4/17/93 | 141.00 | 32.60 | 45.7103 | 0.00 | 2,236,673,213,554 | 0 |
| 2/14/94 | 141.00 | 32.60 | 45.7103 | 0.00 | 2,236,673,213,554 | 0 |
| 3/28/00 | 141.00 | 32.60 | 45.7103 | 0.10 | 2,236,673,213,554 | 2,236,673,214 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/4/83 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 12/8/84 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 3/29/85 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 12/24/88 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 2/27/89 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 2/27/90 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 4/21/93 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 4/15/95 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 4/30/97 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 1/19/98 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 2/2/98 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 2/3/98 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 3/3/98 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 12/18/98 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 2/20/05 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 4/23/09 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 3/7/10 | 142.00 | 32.50 | 46.0345 | 0.00 | 2,252,536,144,147 | 0 |
| 4/9/10 | 142.00 | 32.50 | 46.0345 | 0.40 | 2,252,536,144,147 | 9,010,144,577 |
| 2/18/83 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 12/19/83 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 2/14/89 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 4/6/90 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 2/3/92 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 4/29/95 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 2/14/98 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 12/31/00 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 12/30/01 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 2/11/02 | 143.00 | 32.10 | 46.3587 | 0.00 | 2,268,399,074,739 | 0 |
| 2/13/09 | 143.00 | 32.10 | 46.3587 | 0.20 | 2,268,399,074,739 | 4,536,798,149 |
| 3/31/83 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 11/22/83 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 11/5/84 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 3/24/85 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 11/4/85 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 11/18/91 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 1/7/96 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 1/21/98 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 3/28/99 | 144.00 | 31.90 | 46.6828 | 0.00 | 2,284,262,005,332 | 0 |
| 4/13/02 | 144.00 | 31.90 | 46.6828 | 0.20 | 2,284,262,005,332 | 4,568,524,011 |
| 4/12/84 | 145.00 | 31.70 | 47.0070 | 0.00 | 2,300,124,935,925 | 0 |
| 4/4/90 | 145.00 | 31.70 | 47.0070 | 0.00 | 2,300,124,935,925 | 0 |
| 1/30/91 | 145.00 | 31.70 | 47.0070 | 0.00 | 2,300,124,935,925 | 0 |
| 12/19/92 | 145.00 | 31.70 | 47.0070 | 0.00 | 2,300,124,935,925 | 0 |
| 3/11/05 | 145.00 | 31.70 | 47.0070 | 0.00 | 2,300,124,935,925 | 0 |
| 4/3/07 | 145.00 | 31.70 | 47.0070 | 0.10 | 2,300,124,935,925 | 2,300,124,936 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/15/83 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 3/14/92 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 2/6/95 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 3/20/95 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 12/30/98 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 3/20/99 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 2/19/01 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 3/17/03 | 146.00 | 31.60 | 47.3312 | 0.00 | 2,315,987,866,517 | 0 |
| 12/31/03 | 146.00 | 31.60 | 47.3312 | 0.10 | 2,315,987,866,517 | 2,315,987,867 |
| 3/3/80 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 1/20/84 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 2/22/95 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 12/29/97 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 2/6/03 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 12/11/04 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 2/4/07 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 2/25/08 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 2/19/10 | 147.00 | 31.50 | 47.6554 | 0.00 | 2,331,850,797,110 | 0 |
| 3/9/10 | 147.00 | 31.50 | 47.6554 | 0.20 | 2,331,850,797,110 | 4,663,701,594 |
| 4/17/80 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 12/19/82 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 1/11/83 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 3/1/83 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 4/25/83 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 12/11/93 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 11/20/98 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 2/2/01 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 12/17/02 | 148.00 | 31.30 | 47.9796 | 0.00 | 2,347,713,727,702 | 0 |
| 4/9/08 | 148.00 | 31.30 | 47.9796 | 0.20 | 2,347,713,727,702 | 4,695,427,455 |
| 2/17/80 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 3/4/81 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 4/29/82 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 12/7/82 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 3/20/83 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 3/30/84 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 3/16/94 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 4/28/95 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 4/17/99 | 149.00 | 31.10 | 48.3038 | 0.00 | 2,363,576,658,295 | 0 |
| 4/5/07 | 149.00 | 31.10 | 48.3038 | 0.20 | 2,363,576,658,295 | 4,727,153,317 |
| 2/4/84 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 3/18/84 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 4/2/84 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 12/1/84 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 11/30/85 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 12/30/88 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/26/89 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 4/13/90 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 4/23/91 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 2/11/92 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 12/20/94 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 2/18/99 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 4/9/99 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 1/16/05 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 3/25/05 | 150.00 | 30.90 | 48.6280 | 0.00 | 2,379,439,588,887 | 0 |
| 3/19/09 | 150.00 | 30.90 | 48.6280 | 0.30 | 2,379,439,588,887 | 7,138,318,767 |
| 12/18/85 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 4/10/90 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 11/19/91 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 3/5/93 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 12/12/94 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 2/9/99 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 4/2/01 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 3/5/02 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 3/14/04 | 151.00 | 30.60 | 48.9521 | 0.00 | 2,395,302,519,480 | 0 |
| 3/20/05 | 151.00 | 30.60 | 48.9521 | 0.20 | 2,395,302,519,480 | 4,790,605,039 |
| 1/29/85 | 152.00 | 30.40 | 49.2763 | 0.00 | 2,411,165,450,073 | 0 |
| 2/26/89 | 152.00 | 30.40 | 49.2763 | 0.00 | 2,411,165,450,073 | 0 |
| 4/27/06 | 152.00 | 30.40 | 49.2763 | 0.10 | 2,411,165,450,073 | 2,411,165,450 |
| 11/30/83 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 3/28/84 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 12/16/84 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 1/28/85 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 2/11/86 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 2/7/89 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 1/25/92 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 11/30/00 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 12/5/01 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 12/10/02 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 1/11/07 | 153.00 | 30.30 | 49.6005 | 0.00 | 2,427,028,380,665 | 0 |
| 2/16/09 | 153.00 | 30.30 | 49.6005 | 0.20 | 2,427,028,380,665 | 4,854,056,761 |
| 2/19/90 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 1/17/95 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 2/19/97 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 3/20/01 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 3/22/03 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 2/22/04 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 4/7/05 | 154.00 | 30.10 | 49.9247 | 0.00 | 2,442,891,311,258 | 0 |
| 3/11/10 | 154.00 | 30.10 | 49.9247 | 0.20 | 2,442,891,311,258 | 4,885,782,623 |
| 2/3/80 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 3/7/85 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/20/90 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 3/3/92 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 3/2/95 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 3/11/98 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 1/24/01 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 12/11/02 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 3/10/03 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 2/19/05 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 12/16/05 | 155.00 | 29.90 | 50.2489 | 0.00 | 2,458,754,241,850 | 0 |
| 2/2/10 | 155.00 | 29.90 | 50.2489 | 0.20 | 2,458,754,241,850 | 4,917,508,484 |
| 1/31/82 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 2/22/84 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 4/4/89 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 1/10/90 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 2/27/94 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 2/5/95 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 2/20/97 | 156.00 | 29.70 | 50.5731 | 0.00 | 2,474,617,172,443 | 0 |
| 2/20/98 | 156.00 | 29.70 | 50.5731 | 0.20 | 2,474,617,172,443 | 4,949,234,345 |
| 2/15/85 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 3/5/90 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 11/20/92 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 1/24/97 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 3/21/97 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 4/8/97 | 157.00 | 29.50 | 50.8973 | 0.00 | 2,490,480,103,036 | 0 |
| 11/4/09 | 157.00 | 29.50 | 50.8973 | 0.10 | 2,490,480,103,036 | 2,490,480,103 |
| 4/4/82 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 3/1/84 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 2/6/91 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 4/10/91 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 12/26/98 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 12/4/04 | 158.00 | 29.40 | 51.2214 | 0.00 | 2,506,343,033,628 | 0 |
| 12/26/08 | 158.00 | 29.40 | 51.2214 | 0.10 | 2,506,343,033,628 | 2,506,343,034 |
| 2/20/84 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 1/25/89 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 4/17/90 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 1/16/92 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 3/17/97 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 12/29/01 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 2/9/03 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 4/12/04 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 12/5/04 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 12/14/09 | 159.00 | 29.30 | 51.5456 | 0.00 | 2,522,205,964,221 | 0 |
| 1/4/10 | 159.00 | 29.30 | 51.5456 | 0.20 | 2,522,205,964,221 | 5,044,411,928 |
| 2/16/80 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 12/14/82 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/9/91 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 11/6/94 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 12/18/95 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 3/6/97 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 3/29/97 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 12/22/98 | 160.00 | 29.10 | 51.8698 | 0.00 | 2,538,068,894,813 | 0 |
| 3/29/05 | 160.00 | 29.10 | 51.8698 | 0.20 | 2,538,068,894,813 | 5,076,137,790 |
| 4/5/80 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 2/28/82 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 2/6/89 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 1/29/91 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 3/7/91 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 1/14/93 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 2/15/95 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 2/1/08 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 12/10/09 | 161.00 | 28.90 | 52.1940 | 0.00 | 2,553,931,825,406 | 0 |
| 12/29/09 | 161.00 | 28.90 | 52.1940 | 0.20 | 2,553,931,825,406 | 5,107,863,651 |
| 3/19/80 | 162.00 | 28.70 | 52.5182 | 0.00 | 2,569,794,755,998 | 0 |
| 2/17/83 | 162.00 | 28.70 | 52.5182 | 0.00 | 2,569,794,755,998 | 0 |
| 12/24/91 | 162.00 | 28.70 | 52.5182 | 0.00 | 2,569,794,755,998 | 0 |
| 1/27/98 | 162.00 | 28.70 | 52.5182 | 0.00 | 2,569,794,755,998 | 0 |
| 1/28/04 | 162.00 | 28.70 | 52.5182 | 0.00 | 2,569,794,755,998 | 0 |
| 2/14/08 | 162.00 | 28.70 | 52.5182 | 0.10 | 2,569,794,755,998 | 2,569,794,756 |
| 4/3/82 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 2/28/83 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 3/1/89 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 2/26/90 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 11/20/91 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 3/27/93 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 4/23/94 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 1/15/01 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 2/4/04 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 3/9/08 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 12/30/09 | 163.00 | 28.60 | 52.8424 | 0.00 | 2,585,657,686,591 | 0 |
| 1/22/10 | 163.00 | 28.60 | 52.8424 | 0.30 | 2,585,657,686,591 | 7,756,973,060 |
| 1/25/83 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 2/21/84 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 1/5/85 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 2/17/90 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 4/8/90 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 12/5/97 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 1/14/99 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 1/20/02 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 11/9/06 | 164.00 | 28.30 | 53.1666 | 0.00 | 2,601,520,617,184 | 0 |
| 12/25/08 | 164.00 | 28.30 | 53.1666 | 0.10 | 2,601,520,617,184 | 2,601,520,617 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/30/83 | 165.00 | 28.20 | 53.4908 | 0.00 | 2,617,383,547,776 | 0 |
| 3/13/92 | 165.00 | 28.20 | 53.4908 | 0.00 | 2,617,383,547,776 | 0 |
| 12/29/92 | 165.00 | 28.20 | 53.4908 | 0.00 | 2,617,383,547,776 | 0 |
| 4/2/02 | 165.00 | 28.20 | 53.4908 | 0.00 | 2,617,383,547,776 | 0 |
| 1/18/04 | 165.00 | 28.20 | 53.4908 | 0.10 | 2,617,383,547,776 | 2,617,383,548 |
| 3/18/80 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 3/8/83 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 12/9/83 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 3/17/84 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 3/5/94 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 4/18/94 | 166.00 | 28.10 | 53.8149 | 0.00 | 2,633,246,478,369 | 0 |
| 2/28/06 | 166.00 | 28.10 | 53.8149 | 0.20 | 2,633,246,478,369 | 5,266,492,957 |
| 3/23/80 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 1/1/89 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 12/29/90 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 1/18/98 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 1/8/02 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 12/22/04 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 1/9/09 | 167.00 | 27.90 | 54.1391 | 0.00 | 2,649,109,408,961 | 0 |
| 3/31/09 | 167.00 | 27.90 | 54.1391 | 0.10 | 2,649,109,408,961 | 2,649,109,409 |
| 2/21/92 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 1/26/93 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 2/16/95 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 3/20/98 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 12/23/98 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 2/8/99 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 1/6/03 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 3/6/05 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 1/9/10 | 168.00 | 27.80 | 54.4633 | 0.00 | 2,664,972,339,554 | 0 |
| 2/24/10 | 168.00 | 27.80 | 54.4633 | 0.20 | 2,664,972,339,554 | 5,329,944,679 |
| 1/28/80 | 169.00 | 27.60 | 54.7875 | 0.00 | 2,680,835,270,147 | 0 |
| 2/6/85 | 169.00 | 27.60 | 54.7875 | 0.00 | 2,680,835,270,147 | 0 |
| 1/2/90 | 169.00 | 27.60 | 54.7875 | 0.00 | 2,680,835,270,147 | 0 |
| 2/15/90 | 169.00 | 27.60 | 54.7875 | 0.00 | 2,680,835,270,147 | 0 |
| 3/2/92 | 169.00 | 27.60 | 54.7875 | 0.00 | 2,680,835,270,147 | 0 |
| 12/30/02 | 169.00 | 27.60 | 54.7875 | 0.10 | 2,680,835,270,147 | 2,680,835,270 |
| 11/27/85 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 2/25/89 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 3/8/89 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 2/2/92 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 2/10/92 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 1/2/95 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 3/2/98 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 3/20/00 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 4/27/04 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/2/05 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 4/29/09 | 170.00 | 27.50 | 55.1117 | 0.00 | 2,696,698,200,739 | 0 |
| 2/18/10 | 170.00 | 27.50 | 55.1117 | 0.30 | 2,696,698,200,739 | 8,090,094,602 |
| 3/22/83 | 171.00 | 27.20 | 55.4359 | 0.00 | 2,712,561,131,332 | 0 |
| 1/28/84 | 171.00 | 27.20 | 55.4359 | 0.00 | 2,712,561,131,332 | 0 |
| 3/15/94 | 171.00 | 27.20 | 55.4359 | 0.00 | 2,712,561,131,332 | 0 |
| 2/26/10 | 171.00 | 27.20 | 55.4359 | 0.00 | 2,712,561,131,332 | 0 |
| 2/10/86 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 2/28/89 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 2/14/90 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 2/4/95 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 12/17/98 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 3/19/99 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 3/8/01 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 11/10/02 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 3/7/05 | 172.00 | 27.20 | 55.7601 | 0.00 | 2,728,424,061,924 | 0 |
| 4/14/05 | 172.00 | 27.20 | 55.7601 | 0.20 | 2,728,424,061,924 | 5,456,848,124 |
| 1/27/02 | 173.00 | 27.00 | 56.0842 | 0.00 | 2,744,286,992,517 | 0 |
| 3/8/04 | 173.00 | 27.00 | 56.0842 | 0.10 | 2,744,286,992,517 | 2,744,286,993 |
| 12/11/82 | 174.00 | 26.90 | 56.4084 | 0.00 | 2,760,149,923,109 | 0 |
| 12/21/83 | 174.00 | 26.90 | 56.4084 | 0.00 | 2,760,149,923,109 | 0 |
| 12/28/98 | 174.00 | 26.90 | 56.4084 | 0.00 | 2,760,149,923,109 | 0 |
| 3/6/10 | 174.00 | 26.90 | 56.4084 | 0.10 | 2,760,149,923,109 | 2,760,149,923 |
| 2/15/82 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 1/24/89 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 2/5/89 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 12/11/92 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 2/25/98 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 3/31/04 | 175.00 | 26.80 | 56.7326 | 0.00 | 2,776,012,853,702 | 0 |
| 12/14/08 | 175.00 | 26.80 | 56.7326 | 0.10 | 2,776,012,853,702 | 2,776,012,854 |
| 3/6/81 | 176.00 | 26.70 | 57.0568 | 0.00 | 2,791,875,784,295 | 0 |
| 1/31/94 | 176.00 | 26.70 | 57.0568 | 0.00 | 2,791,875,784,295 | 0 |
| 11/28/00 | 176.00 | 26.70 | 57.0568 | 0.00 | 2,791,875,784,295 | 0 |
| 2/24/06 | 176.00 | 26.70 | 57.0568 | 0.00 | 2,791,875,784,295 | 0 |
| 1/21/10 | 176.00 | 26.70 | 57.0568 | 0.10 | 2,791,875,784,295 | 2,791,875,784 |
| 1/27/83 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 11/20/83 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 12/17/85 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 3/12/95 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 4/27/95 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 2/18/97 | 177.00 | 26.60 | 57.3810 | 0.00 | 2,807,738,714,887 | 0 |
| 3/13/09 | 177.00 | 26.60 | 57.3810 | 0.10 | 2,807,738,714,887 | 2,807,738,715 |
| 2/15/80 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |
| 11/20/84 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |
| 4/22/91 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/3/95 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |
| 2/13/06 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |
| 1/10/07 | 178.00 | 26.50 | 57.7052 | 0.00 | 2,823,601,645,480 | 0 |
| 1/27/07 | 178.00 | 26.50 | 57.7052 | 0.20 | 2,823,601,645,480 | 5,647,203,291 |
| 11/18/84 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 1/2/91 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 12/14/91 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 4/14/93 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 3/19/95 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 12/28/01 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 11/20/03 | 179.00 | 26.30 | 58.0294 | 0.00 | 2,839,464,576,072 | 0 |
| 2/16/07 | 179.00 | 26.30 | 58.0294 | 0.10 | 2,839,464,576,072 | 2,839,464,576 |
| 2/9/82 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 1/10/83 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 4/11/84 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 1/2/85 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 1/23/91 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 11/5/92 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 2/21/04 | 180.00 | 26.20 | 58.3535 | 0.00 | 2,855,327,506,665 | 0 |
| 11/14/08 | 180.00 | 26.20 | 58.3535 | 0.20 | 2,855,327,506,665 | 5,710,655,013 |
| 2/19/82 | 181.00 | 26.00 | 58.6777 | 0.00 | 2,871,190,437,258 | 0 |
| 3/28/85 | 181.00 | 26.00 | 58.6777 | 0.00 | 2,871,190,437,258 | 0 |
| 2/10/82 | 182.00 | 26.00 | 59.0019 | 0.00 | 2,887,053,367,850 | 0 |
| 4/8/83 | 182.00 | 26.00 | 59.0019 | 0.00 | 2,887,053,367,850 | 0 |
| 4/3/89 | 182.00 | 26.00 | 59.0019 | 0.00 | 2,887,053,367,850 | 0 |
| 1/28/91 | 182.00 | 26.00 | 59.0019 | 0.00 | 2,887,053,367,850 | 0 |
| 4/14/97 | 182.00 | 26.00 | 59.0019 | 0.00 | 2,887,053,367,850 | 0 |
| 2/7/99 | 182.00 | 26.00 | 59.0019 | 0.10 | 2,887,053,367,850 | 2,887,053,368 |
| 2/27/82 | 183.00 | 25.90 | 59.3261 | 0.00 | 2,902,916,298,443 | 0 |
| 1/19/85 | 183.00 | 25.90 | 59.3261 | 0.00 | 2,902,916,298,443 | 0 |
| 4/16/93 | 183.00 | 25.90 | 59.3261 | 0.00 | 2,902,916,298,443 | 0 |
| 1/17/94 | 183.00 | 25.90 | 59.3261 | 0.00 | 2,902,916,298,443 | 0 |
| 12/29/02 | 183.00 | 25.90 | 59.3261 | 0.00 | 2,902,916,298,443 | 0 |
| 12/19/09 | 183.00 | 25.90 | 59.3261 | 0.10 | 2,902,916,298,443 | 2,902,916,298 |
| 4/3/93 | 184.00 | 25.80 | 59.6503 | 0.00 | 2,918,779,229,035 | 0 |
| 3/27/00 | 184.00 | 25.80 | 59.6503 | 0.10 | 2,918,779,229,035 | 2,918,779,229 |
| 2/27/83 | 185.00 | 25.70 | 59.9745 | 0.00 | 2,934,642,159,628 | 0 |
| 12/10/01 | 185.00 | 25.70 | 59.9745 | 0.00 | 2,934,642,159,628 | 0 |
| 2/10/02 | 185.00 | 25.70 | 59.9745 | 0.00 | 2,934,642,159,628 | 0 |
| 3/9/03 | 185.00 | 25.70 | 59.9745 | 0.00 | 2,934,642,159,628 | 0 |
| 3/20/93 | 186.00 | 25.70 | 60.2987 | 0.00 | 2,950,505,090,220 | 0 |
| 2/19/95 | 186.00 | 25.70 | 60.2987 | 0.00 | 2,950,505,090,220 | 0 |
| 2/22/02 | 186.00 | 25.70 | 60.2987 | 0.00 | 2,950,505,090,220 | 0 |
| 3/28/05 | 186.00 | 25.70 | 60.2987 | 0.10 | 2,950,505,090,220 | 2,950,505,090 |
| 2/16/83 | 187.00 | 25.60 | 60.6229 | 0.00 | 2,966,368,020,813 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/26/89 | 187.00 | 25.60 | 60.6229 | 0.00 | 2,966,368,020,813 | 0 |
| 4/7/03 | 187.00 | 25.60 | 60.6229 | 0.00 | 2,966,368,020,813 | 0 |
| 11/29/04 | 187.00 | 25.60 | 60.6229 | 0.00 | 2,966,368,020,813 | 0 |
| 2/18/05 | 187.00 | 25.60 | 60.6229 | 0.10 | 2,966,368,020,813 | 2,966,368,021 |
| 1/7/83 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 1/8/83 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 4/2/85 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 4/3/90 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 12/4/91 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 1/17/97 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 1/26/98 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 3/27/03 | 188.00 | 25.50 | 60.9470 | 0.00 | 2,982,230,951,406 | 0 |
| 1/26/08 | 188.00 | 25.50 | 60.9470 | 0.20 | 2,982,230,951,406 | 5,964,461,903 |
| 11/30/82 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 1/4/85 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 2/16/90 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 12/4/01 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 2/1/05 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 3/10/05 | 189.00 | 25.30 | 61.2712 | 0.00 | 2,998,093,881,998 | 0 |
| 1/26/07 | 189.00 | 25.30 | 61.2712 | 0.10 | 2,998,093,881,998 | 2,998,093,882 |
| 4/29/80 | 190.00 | 25.20 | 61.5954 | 0.00 | 3,013,956,812,591 | 0 |
| 11/29/85 | 190.00 | 25.20 | 61.5954 | 0.00 | 3,013,956,812,591 | 0 |
| 3/18/91 | 190.00 | 25.20 | 61.5954 | 0.00 | 3,013,956,812,591 | 0 |
| 3/5/97 | 190.00 | 25.20 | 61.5954 | 0.00 | 3,013,956,812,591 | 0 |
| 4/2/99 | 190.00 | 25.20 | 61.5954 | 0.00 | 3,013,956,812,591 | 0 |
| 12/15/05 | 190.00 | 25.20 | 61.5954 | 0.10 | 3,013,956,812,591 | 3,013,956,813 |
| 2/19/84 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 3/12/92 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 4/15/93 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 12/28/97 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 3/19/01 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 4/12/02 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 3/16/03 | 191.00 | 25.10 | 61.9196 | 0.00 | 3,029,819,743,183 | 0 |
| 3/16/04 | 191.00 | 25.10 | 61.9196 | 0.20 | 3,029,819,743,183 | 6,059,639,486 |
| 3/10/10 | 192.00 | 24.90 | 62.2438 | 0.00 | 3,045,682,673,776 | 0 |
| 3/11/84 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 3/16/84 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 12/5/84 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 12/3/85 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 4/14/90 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 3/7/08 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 4/15/09 | 193.00 | 24.90 | 62.5680 | 0.00 | 3,061,545,604,368 | 0 |
| 1/20/10 | 193.00 | 24.90 | 62.5680 | 0.20 | 3,061,545,604,368 | 6,123,091,209 |
| 4/1/82 | 194.00 | 24.70 | 62.8922 | 0.00 | 3,077,408,534,961 | 0 |
| 3/6/85 | 194.00 | 24.70 | 62.8922 | 0.00 | 3,077,408,534,961 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/3/95 | 194.00 | 24.70 | 62.8922 | 0.00 | 3,077,408,534,961 | 0 |
| 4/3/99 | 194.00 | 24.70 | 62.8922 | 0.00 | 3,077,408,534,961 | 0 |
| 4/8/99 | 194.00 | 24.70 | 62.8922 | 0.00 | 3,077,408,534,961 | 0 |
| 12/7/02 | 194.00 | 24.70 | 62.8922 | 0.10 | 3,077,408,534,961 | 3,077,408,535 |
| 2/4/89 | 195.00 | 24.60 | 63.2163 | 0.00 | 3,093,271,465,554 | 0 |
| 3/17/90 | 195.00 | 24.60 | 63.2163 | 0.00 | 3,093,271,465,554 | 0 |
| 2/27/93 | 195.00 | 24.60 | 63.2163 | 0.00 | 3,093,271,465,554 | 0 |
| 2/21/95 | 195.00 | 24.60 | 63.2163 | 0.00 | 3,093,271,465,554 | 0 |
| 1/6/99 | 195.00 | 24.60 | 63.2163 | 0.00 | 3,093,271,465,554 | 0 |
| 1/23/01 | 195.00 | 24.60 | 63.2163 | 0.10 | 3,093,271,465,554 | 3,093,271,466 |
| 2/6/99 | 196.00 | 24.50 | 63.5405 | 0.00 | 3,109,134,396,146 | 0 |
| 12/14/83 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 11/3/85 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 3/6/91 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 3/1/92 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 3/15/93 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 1/13/99 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 1/24/06 | 197.00 | 24.50 | 63.8647 | 0.00 | 3,124,997,326,739 | 0 |
| 2/20/08 | 197.00 | 24.50 | 63.8647 | 0.20 | 3,124,997,326,739 | 6,249,994,653 |
| 1/22/83 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 11/21/91 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 2/20/92 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 12/23/94 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 3/25/99 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 1/14/01 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 1/31/07 | 198.00 | 24.30 | 64.1889 | 0.00 | 3,140,860,257,331 | 0 |
| 2/3/07 | 198.00 | 24.30 | 64.1889 | 0.10 | 3,140,860,257,331 | 3,140,860,257 |
| 11/19/98 | 199.00 | 24.20 | 64.5131 | 0.00 | 3,156,723,187,924 | 0 |
| 12/29/98 | 199.00 | 24.20 | 64.5131 | 0.00 | 3,156,723,187,924 | 0 |
| 12/16/02 | 199.00 | 24.20 | 64.5131 | 0.00 | 3,156,723,187,924 | 0 |
| 12/25/04 | 199.00 | 24.20 | 64.5131 | 0.10 | 3,156,723,187,924 | 3,156,723,188 |
| 2/4/86 | 200.00 | 24.10 | 64.8373 | 0.00 | 3,172,586,118,517 | 0 |
| 2/13/90 | 200.00 | 24.10 | 64.8373 | 0.00 | 3,172,586,118,517 | 0 |
| 4/14/95 | 200.00 | 24.10 | 64.8373 | 0.00 | 3,172,586,118,517 | 0 |
| 3/7/98 | 200.00 | 24.10 | 64.8373 | 0.00 | 3,172,586,118,517 | 0 |
| 12/14/03 | 200.00 | 24.10 | 64.8373 | 0.00 | 3,172,586,118,517 | 0 |
| 2/4/05 | 200.00 | 24.10 | 64.8373 | 0.10 | 3,172,586,118,517 | 3,172,586,119 |
| 1/18/84 | 201.00 | 24.00 | 65.1615 | 0.00 | 3,188,449,049,109 | 0 |
| 12/27/90 | 201.00 | 24.00 | 65.1615 | 0.00 | 3,188,449,049,109 | 0 |
| 2/13/98 | 201.00 | 24.00 | 65.1615 | 0.10 | 3,188,449,049,109 | 3,188,449,049 |
| 4/15/83 | 202.00 | 23.90 | 65.4856 | 0.00 | 3,204,311,979,702 | 0 |
| 1/27/89 | 202.00 | 23.90 | 65.4856 | 0.00 | 3,204,311,979,702 | 0 |
| 3/1/95 | 202.00 | 23.90 | 65.4856 | 0.00 | 3,204,311,979,702 | 0 |
| 2/3/04 | 202.00 | 23.90 | 65.4856 | 0.10 | 3,204,311,979,702 | 3,204,311,980 |
| 12/18/82 | 203.00 | 23.80 | 65.8098 | 0.00 | 3,220,174,910,294 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/23/91 | 203.00 | 23.80 | 65.8098 | 0.00 | 3,220,174,910,294 | 0 |
| 1/30/97 | 203.00 | 23.80 | 65.8098 | 0.00 | 3,220,174,910,294 | 0 |
| 1/27/08 | 203.00 | 23.80 | 65.8098 | 0.00 | 3,220,174,910,294 | 0 |
| 3/14/94 | 204.00 | 23.80 | 66.1340 | 0.00 | 3,236,037,840,887 | 0 |
| 1/1/95 | 204.00 | 23.80 | 66.1340 | 0.00 | 3,236,037,840,887 | 0 |
| 1/24/99 | 204.00 | 23.80 | 66.1340 | 0.00 | 3,236,037,840,887 | 0 |
| 1/23/06 | 204.00 | 23.80 | 66.1340 | 0.00 | 3,236,037,840,887 | 0 |
| 4/16/07 | 204.00 | 23.80 | 66.1340 | 0.10 | 3,236,037,840,887 | 3,236,037,841 |
| 1/9/83 | 205.00 | 23.70 | 66.4582 | 0.00 | 3,251,900,771,479 | 0 |
| 12/24/83 | 205.00 | 23.70 | 66.4582 | 0.00 | 3,251,900,771,479 | 0 |
| 2/3/89 | 205.00 | 23.70 | 66.4582 | 0.00 | 3,251,900,771,479 | 0 |
| 2/25/90 | 205.00 | 23.70 | 66.4582 | 0.00 | 3,251,900,771,479 | 0 |
| 3/19/93 | 205.00 | 23.70 | 66.4582 | 0.00 | 3,251,900,771,479 | 0 |
| 1/5/03 | 205.00 | 23.70 | 66.4582 | 0.10 | 3,251,900,771,479 | 3,251,900,771 |
| 1/24/92 | 206.00 | 23.60 | 66.7824 | 0.00 | 3,267,763,702,072 | 0 |
| 2/4/92 | 206.00 | 23.60 | 66.7824 | 0.10 | 3,267,763,702,072 | 3,267,763,702 |
| 4/12/80 | 207.00 | 23.50 | 67.1066 | 0.00 | 3,283,626,632,665 | 0 |
| 1/23/89 | 207.00 | 23.50 | 67.1066 | 0.00 | 3,283,626,632,665 | 0 |
| 1/16/95 | 207.00 | 23.50 | 67.1066 | 0.00 | 3,283,626,632,665 | 0 |
| 3/1/05 | 207.00 | 23.50 | 67.1066 | 0.10 | 3,283,626,632,665 | 3,283,626,633 |
| 4/15/94 | 208.00 | 23.40 | 67.4308 | 0.00 | 3,299,489,563,257 | 0 |
| 3/26/02 | 208.00 | 23.40 | 67.4308 | 0.00 | 3,299,489,563,257 | 0 |
| 4/6/03 | 208.00 | 23.40 | 67.4308 | 0.00 | 3,299,489,563,257 | 0 |
| 11/30/84 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 1/1/85 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 2/13/94 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 2/18/95 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 12/30/96 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 4/8/08 | 209.00 | 23.40 | 67.7550 | 0.00 | 3,315,352,493,850 | 0 |
| 2/17/10 | 209.00 | 23.40 | 67.7550 | 0.20 | 3,315,352,493,850 | 6,630,704,988 |
| 2/9/92 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 2/26/94 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 3/16/97 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 3/18/99 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 4/14/99 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 2/11/03 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 2/29/04 | 210.00 | 23.20 | 68.0791 | 0.00 | 3,331,215,424,442 | 0 |
| 1/16/10 | 210.00 | 23.20 | 68.0791 | 0.10 | 3,331,215,424,442 | 3,331,215,424 |
| 2/24/89 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 3/26/93 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 4/13/93 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 2/19/98 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 12/21/01 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 12/19/02 | 211.00 | 23.10 | 68.4033 | 0.00 | 3,347,078,355,035 | 0 |
| 2/23/05 | 211.00 | 23.10 | 68.4033 | 0.10 | 3,347,078,355,035 | 3,347,078,355 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/18/92 | 212.00 | 23.00 | 68.7275 | 0.00 | 3,362,941,285,628 | 0 |
| 12/27/01 | 212.00 | 23.00 | 68.7275 | 0.00 | 3,362,941,285,628 | 0 |
| 2/20/04 | 212.00 | 23.00 | 68.7275 | 0.10 | 3,362,941,285,628 | 3,362,941,286 |
| 1/12/84 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 1/25/93 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 3/11/95 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 3/29/04 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 12/10/04 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 2/1/07 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 2/24/08 | 213.00 | 22.90 | 69.0517 | 0.00 | 3,378,804,216,220 | 0 |
| 3/13/08 | 213.00 | 22.90 | 69.0517 | 0.20 | 3,378,804,216,220 | 6,757,608,432 |
| 2/14/80 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 1/6/83 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 1/28/89 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 2/21/90 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 2/10/94 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 4/29/97 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 4/6/00 | 214.00 | 22.70 | 69.3759 | 0.00 | 3,394,667,146,813 | 0 |
| 3/1/04 | 214.00 | 22.70 | 69.3759 | 0.10 | 3,394,667,146,813 | 3,394,667,147 |
| 1/19/84 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 12/19/94 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 12/21/98 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 4/6/05 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 3/18/09 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 12/4/09 | 215.00 | 22.60 | 69.7001 | 0.00 | 3,410,530,077,405 | 0 |
| 2/1/10 | 215.00 | 22.60 | 69.7001 | 0.10 | 3,410,530,077,405 | 3,410,530,077 |
| 3/29/83 | 216.00 | 22.50 | 70.0243 | 0.00 | 3,426,393,007,998 | 0 |
| 1/5/91 | 216.00 | 22.50 | 70.0243 | 0.00 | 3,426,393,007,998 | 0 |
| 1/8/95 | 216.00 | 22.50 | 70.0243 | 0.00 | 3,426,393,007,998 | 0 |
| 2/2/95 | 216.00 | 22.50 | 70.0243 | 0.00 | 3,426,393,007,998 | 0 |
| 12/27/06 | 216.00 | 22.50 | 70.0243 | 0.00 | 3,426,393,007,998 | 0 |
| 12/28/09 | 216.00 | 22.50 | 70.0243 | 0.20 | 3,426,393,007,998 | 6,852,786,016 |
| 1/27/91 | 217.00 | 22.30 | 70.3484 | 0.00 | 3,442,255,938,590 | 0 |
| 12/11/91 | 217.00 | 22.30 | 70.3484 | 0.00 | 3,442,255,938,590 | 0 |
| 4/30/92 | 217.00 | 22.30 | 70.3484 | 0.00 | 3,442,255,938,590 | 0 |
| 3/19/97 | 217.00 | 22.30 | 70.3484 | 0.00 | 3,442,255,938,590 | 0 |
| 3/30/09 | 217.00 | 22.30 | 70.3484 | 0.10 | 3,442,255,938,590 | 3,442,255,939 |
| 4/16/80 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 2/14/85 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 12/28/92 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 1/6/93 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 12/21/94 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 2/28/95 | 218.00 | 22.20 | 70.6726 | 0.00 | 3,458,118,869,183 | 0 |
| 4/1/01 | 218.00 | 22.20 | 70.6726 | 0.10 | 3,458,118,869,183 | 3,458,118,869 |
| 4/28/82 | 219.00 | 22.10 | 70.9968 | 0.00 | 3,473,981,799,776 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/23/90 | 219.00 | 22.10 | 70.9968 | 0.00 | 3,473,981,799,776 | 0 |
| 4/8/94 | 219.00 | 22.10 | 70.9968 | 0.10 | 3,473,981,799,776 | 3,473,981,800 |
| 2/15/83 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 4/7/83 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 12/18/83 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 12/1/85 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 2/17/97 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 3/23/06 | 220.00 | 22.00 | 71.3210 | 0.00 | 3,489,844,730,368 | 0 |
| 1/3/10 | 220.00 | 22.00 | 71.3210 | 0.10 | 3,489,844,730,368 | 3,489,844,730 |
| 3/4/02 | 221.00 | 21.90 | 71.6452 | 0.00 | 3,505,707,660,961 | 0 |
| 4/22/09 | 221.00 | 21.90 | 71.6452 | 0.00 | 3,505,707,660,961 | 0 |
| 4/5/84 | 222.00 | 21.90 | 71.9694 | 0.00 | 3,521,570,591,553 | 0 |
| 2/1/92 | 222.00 | 21.90 | 71.9694 | 0.00 | 3,521,570,591,553 | 0 |
| 1/17/98 | 222.00 | 21.90 | 71.9694 | 0.00 | 3,521,570,591,553 | 0 |
| 3/5/05 | 222.00 | 21.90 | 71.9694 | 0.10 | 3,521,570,591,553 | 3,521,570,592 |
| 3/12/84 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 12/25/98 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 2/1/01 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 3/18/03 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 12/29/08 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 11/3/09 | 223.00 | 21.80 | 72.2936 | 0.00 | 3,537,433,522,146 | 0 |
| 1/8/10 | 223.00 | 21.80 | 72.2936 | 0.10 | 3,537,433,522,146 | 3,537,433,522 |
| 1/26/80 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 3/7/89 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 3/4/90 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 4/27/90 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 3/4/94 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 4/30/94 | 224.00 | 21.70 | 72.6177 | 0.00 | 3,553,296,452,739 | 0 |
| 1/9/07 | 224.00 | 21.70 | 72.6177 | 0.20 | 3,553,296,452,739 | 7,106,592,905 |
| 3/25/89 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 4/2/89 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 1/22/91 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 11/10/00 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 12/21/02 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 11/29/03 | 225.00 | 21.50 | 72.9419 | 0.00 | 3,569,159,383,331 | 0 |
| 1/30/07 | 225.00 | 21.50 | 72.9419 | 0.10 | 3,569,159,383,331 | 3,569,159,383 |
| 2/26/84 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 3/23/85 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 1/13/93 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 12/16/98 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 11/9/02 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 3/8/03 | 226.00 | 21.40 | 73.2661 | 0.00 | 3,585,022,313,924 | 0 |
| 2/7/05 | 226.00 | 21.40 | 73.2661 | 0.10 | 3,585,022,313,924 | 3,585,022,314 |
| 2/2/80 | 227.00 | 21.30 | 73.5903 | 0.00 | 3,600,885,244,516 | 0 |
| 4/28/91 | 227.00 | 21.30 | 73.5903 | 0.00 | 3,600,885,244,516 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/24/97 | 227.00 | 21.30 | 73.5903 | 0.00 | 3,600,885,244,516 | 0 |
| 2/10/03 | 227.00 | 21.30 | 73.5903 | 0.10 | 3,600,885,244,516 | 3,600,885,245 |
| 11/20/82 | 228.00 | 21.20 | 73.9145 | 0.00 | 3,616,748,175,109 | 0 |
| 12/8/83 | 228.00 | 21.20 | 73.9145 | 0.00 | 3,616,748,175,109 | 0 |
| 3/10/84 | 228.00 | 21.20 | 73.9145 | 0.10 | 3,616,748,175,109 | 3,616,748,175 |
| 12/17/83 | 229.00 | 21.10 | 74.2387 | 0.00 | 3,632,611,105,701 | 0 |
| 11/17/84 | 229.00 | 21.10 | 74.2387 | 0.00 | 3,632,611,105,701 | 0 |
| 12/30/00 | 229.00 | 21.10 | 74.2387 | 0.00 | 3,632,611,105,701 | 0 |
| 3/7/01 | 229.00 | 21.10 | 74.2387 | 0.10 | 3,632,611,105,701 | 3,632,611,106 |
| 1/17/84 | 230.00 | 21.00 | 74.5629 | 0.00 | 3,648,474,036,294 | 0 |
| 4/7/90 | 230.00 | 21.00 | 74.5629 | 0.00 | 3,648,474,036,294 | 0 |
| 2/10/98 | 230.00 | 21.00 | 74.5629 | 0.00 | 3,648,474,036,294 | 0 |
| 12/22/01 | 230.00 | 21.00 | 74.5629 | 0.00 | 3,648,474,036,294 | 0 |
| 12/3/04 | 230.00 | 21.00 | 74.5629 | 0.00 | 3,648,474,036,294 | 0 |
| 12/22/91 | 231.00 | 21.00 | 74.8871 | 0.00 | 3,664,336,966,887 | 0 |
| 2/9/97 | 231.00 | 21.00 | 74.8871 | 0.00 | 3,664,336,966,887 | 0 |
| 2/22/98 | 231.00 | 21.00 | 74.8871 | 0.00 | 3,664,336,966,887 | 0 |
| 12/9/01 | 231.00 | 21.00 | 74.8871 | 0.00 | 3,664,336,966,887 | 0 |
| 2/25/10 | 231.00 | 21.00 | 74.8871 | 0.10 | 3,664,336,966,887 | 3,664,336,967 |
| 2/5/99 | 232.00 | 20.90 | 75.2112 | 0.00 | 3,680,199,897,479 | 0 |
| 4/14/04 | 232.00 | 20.90 | 75.2112 | 0.10 | 3,680,199,897,479 | 3,680,199,897 |
| 12/14/00 | 233.00 | 20.80 | 75.5354 | 0.00 | 3,696,062,828,072 | 0 |
| 2/2/04 | 233.00 | 20.80 | 75.5354 | 0.00 | 3,696,062,828,072 | 0 |
| 4/4/80 | 234.00 | 20.80 | 75.8596 | 0.00 | 3,711,925,758,664 | 0 |
| 4/19/80 | 234.00 | 20.80 | 75.8596 | 0.00 | 3,711,925,758,664 | 0 |
| 3/10/98 | 234.00 | 20.80 | 75.8596 | 0.00 | 3,711,925,758,664 | 0 |
| 12/15/00 | 234.00 | 20.80 | 75.8596 | 0.00 | 3,711,925,758,664 | 0 |
| 3/5/10 | 234.00 | 20.80 | 75.8596 | 0.10 | 3,711,925,758,664 | 3,711,925,759 |
| 2/29/84 | 235.00 | 20.70 | 76.1838 | 0.00 | 3,727,788,689,257 | 0 |
| 2/9/90 | 235.00 | 20.70 | 76.1838 | 0.00 | 3,727,788,689,257 | 0 |
| 3/1/94 | 235.00 | 20.70 | 76.1838 | 0.00 | 3,727,788,689,257 | 0 |
| 12/9/09 | 235.00 | 20.70 | 76.1838 | 0.10 | 3,727,788,689,257 | 3,727,788,689 |
| 2/26/83 | 236.00 | 20.60 | 76.5080 | 0.00 | 3,743,651,619,850 | 0 |
| 1/27/84 | 236.00 | 20.60 | 76.5080 | 0.00 | 3,743,651,619,850 | 0 |
| 3/20/97 | 236.00 | 20.60 | 76.5080 | 0.00 | 3,743,651,619,850 | 0 |
| 1/12/99 | 236.00 | 20.60 | 76.5080 | 0.00 | 3,743,651,619,850 | 0 |
| 3/21/03 | 236.00 | 20.60 | 76.5080 | 0.00 | 3,743,651,619,850 | 0 |
| 12/29/03 | 236.00 | 20.60 | 76.5080 | 0.10 | 3,743,651,619,850 | 3,743,651,620 |
| 12/27/97 | 237.00 | 20.50 | 76.8322 | 0.00 | 3,759,514,550,442 | 0 |
| 12/28/08 | 237.00 | 20.50 | 76.8322 | 0.00 | 3,759,514,550,442 | 0 |
| 2/28/91 | 238.00 | 20.50 | 77.1564 | 0.00 | 3,775,377,481,035 | 0 |
| 12/18/09 | 238.00 | 20.50 | 77.1564 | 0.10 | 3,775,377,481,035 | 3,775,377,481 |
| 1/25/80 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 2/8/90 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 3/21/93 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/26/95 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 3/28/97 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 3/1/98 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 12/28/02 | 239.00 | 20.40 | 77.4805 | 0.00 | 3,791,240,411,627 | 0 |
| 11/6/06 | 239.00 | 20.40 | 77.4805 | 0.10 | 3,791,240,411,627 | 3,791,240,412 |
| 3/2/03 | 240.00 | 20.30 | 77.8047 | 0.00 | 3,807,103,342,220 | 0 |
| 2/17/05 | 240.00 | 20.30 | 77.8047 | 0.00 | 3,807,103,342,220 | 0 |
| 1/25/07 | 240.00 | 20.30 | 77.8047 | 0.10 | 3,807,103,342,220 | 3,807,103,342 |
| 12/7/84 | 241.00 | 20.20 | 78.1289 | 0.00 | 3,822,966,272,812 | 0 |
| 12/22/90 | 241.00 | 20.20 | 78.1289 | 0.00 | 3,822,966,272,812 | 0 |
| 1/25/98 | 241.00 | 20.20 | 78.1289 | 0.10 | 3,822,966,272,812 | 3,822,966,273 |
| 12/9/91 | 242.00 | 20.10 | 78.4531 | 0.00 | 3,838,829,203,405 | 0 |
| 2/29/92 | 242.00 | 20.10 | 78.4531 | 0.00 | 3,838,829,203,405 | 0 |
| 3/15/84 | 243.00 | 20.10 | 78.7773 | 0.00 | 3,854,692,133,998 | 0 |
| 11/25/96 | 243.00 | 20.10 | 78.7773 | 0.00 | 3,854,692,133,998 | 0 |
| 3/24/05 | 243.00 | 20.10 | 78.7773 | 0.10 | 3,854,692,133,998 | 3,854,692,134 |
| 1/21/83 | 244.00 | 20.00 | 79.1015 | 0.00 | 3,870,555,064,590 | 0 |
| 2/19/89 | 244.00 | 20.00 | 79.1015 | 0.00 | 3,870,555,064,590 | 0 |
| 3/18/95 | 244.00 | 20.00 | 79.1015 | 0.00 | 3,870,555,064,590 | 0 |
| 1/16/01 | 244.00 | 20.00 | 79.1015 | 0.00 | 3,870,555,064,590 | 0 |
| 2/15/09 | 244.00 | 20.00 | 79.1015 | 0.10 | 3,870,555,064,590 | 3,870,555,065 |
| 1/30/80 | 245.00 | 19.90 | 79.4257 | 0.00 | 3,886,417,995,183 | 0 |
| 2/18/84 | 245.00 | 19.90 | 79.4257 | 0.00 | 3,886,417,995,183 | 0 |
| 4/14/83 | 246.00 | 19.90 | 79.7498 | 0.00 | 3,902,280,925,775 | 0 |
| 2/1/95 | 246.00 | 19.90 | 79.7498 | 0.00 | 3,902,280,925,775 | 0 |
| 2/14/09 | 246.00 | 19.90 | 79.7498 | 0.00 | 3,902,280,925,775 | 0 |
| 12/6/82 | 247.00 | 19.90 | 80.0740 | 0.00 | 3,918,143,856,368 | 0 |
| 3/11/92 | 247.00 | 19.90 | 80.0740 | 0.00 | 3,918,143,856,368 | 0 |
| 12/24/98 | 247.00 | 19.90 | 80.0740 | 0.00 | 3,918,143,856,368 | 0 |
| 4/4/09 | 247.00 | 19.90 | 80.0740 | 0.10 | 3,918,143,856,368 | 3,918,143,856 |
| 3/1/80 | 248.00 | 19.80 | 80.3982 | 0.00 | 3,934,006,786,961 | 0 |
| 2/9/86 | 248.00 | 19.80 | 80.3982 | 0.10 | 3,934,006,786,961 | 3,934,006,787 |
| 12/16/85 | 249.00 | 19.70 | 80.7224 | 0.00 | 3,949,869,717,553 | 0 |
| 1/15/92 | 249.00 | 19.70 | 80.7224 | 0.00 | 3,949,869,717,553 | 0 |
| 2/9/02 | 249.00 | 19.70 | 80.7224 | 0.00 | 3,949,869,717,553 | 0 |
| 11/4/84 | 250.00 | 19.70 | 81.0466 | 0.00 | 3,965,732,648,146 | 0 |
| 11/28/85 | 250.00 | 19.70 | 81.0466 | 0.00 | 3,965,732,648,146 | 0 |
| 12/3/97 | 250.00 | 19.70 | 81.0466 | 0.00 | 3,965,732,648,146 | 0 |
| 12/3/01 | 250.00 | 19.70 | 81.0466 | 0.00 | 3,965,732,648,146 | 0 |
| 2/19/04 | 250.00 | 19.70 | 81.0466 | 0.10 | 3,965,732,648,146 | 3,965,732,648 |
| 11/27/04 | 251.00 | 19.60 | 81.3708 | 0.00 | 3,981,595,578,738 | 0 |
| 3/31/82 | 252.00 | 19.60 | 81.6950 | 0.00 | 3,997,458,509,331 | 0 |
| 1/24/93 | 252.00 | 19.60 | 81.6950 | 0.00 | 3,997,458,509,331 | 0 |
| 12/17/00 | 252.00 | 19.60 | 81.6950 | 0.10 | 3,997,458,509,331 | 3,997,458,509 |
| 1/5/83 | 253.00 | 19.50 | 82.0192 | 0.00 | 4,013,321,439,923 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/20/95 | 254.00 | 19.50 | 82.3433 | 0.00 | 4,029,184,370,516 | 0 |
| 2/27/10 | 254.00 | 19.50 | 82.3433 | 0.10 | 4,029,184,370,516 | 4,029,184,371 |
| 3/18/01 | 255.00 | 19.40 | 82.6675 | 0.00 | 4,045,047,301,109 | 0 |
| 1/22/92 | 256.00 | 19.40 | 82.9917 | 0.00 | 4,060,910,231,701 | 0 |
| 1/12/93 | 256.00 | 19.40 | 82.9917 | 0.00 | 4,060,910,231,701 | 0 |
| 1/11/98 | 256.00 | 19.40 | 82.9917 | 0.00 | 4,060,910,231,701 | 0 |
| 3/19/98 | 256.00 | 19.40 | 82.9917 | 0.00 | 4,060,910,231,701 | 0 |
| 3/27/99 | 256.00 | 19.40 | 82.9917 | 0.10 | 4,060,910,231,701 | 4,060,910,232 |
| 3/7/83 | 257.00 | 19.30 | 83.3159 | 0.00 | 4,076,773,162,294 | 0 |
| 3/5/91 | 257.00 | 19.30 | 83.3159 | 0.00 | 4,076,773,162,294 | 0 |
| 3/5/04 | 257.00 | 19.30 | 83.3159 | 0.00 | 4,076,773,162,294 | 0 |
| 12/10/83 | 258.00 | 19.30 | 83.6401 | 0.00 | 4,092,636,092,886 | 0 |
| 3/19/00 | 258.00 | 19.30 | 83.6401 | 0.00 | 4,092,636,092,886 | 0 |
| 3/1/02 | 258.00 | 19.30 | 83.6401 | 0.10 | 4,092,636,092,886 | 4,092,636,093 |
| 3/5/85 | 259.00 | 19.20 | 83.9643 | 0.00 | 4,108,499,023,479 | 0 |
| 2/2/89 | 259.00 | 19.20 | 83.9643 | 0.00 | 4,108,499,023,479 | 0 |
| 3/4/93 | 259.00 | 19.20 | 83.9643 | 0.00 | 4,108,499,023,479 | 0 |
| 2/2/07 | 259.00 | 19.20 | 83.9643 | 0.00 | 4,108,499,023,479 | 0 |
| 4/1/09 | 259.00 | 19.20 | 83.9643 | 0.10 | 4,108,499,023,479 | 4,108,499,023 |
| 12/12/02 | 260.00 | 19.10 | 84.2885 | 0.00 | 4,124,361,954,072 | 0 |
| 4/22/06 | 260.00 | 19.10 | 84.2885 | 0.00 | 4,124,361,954,072 | 0 |
| 12/8/09 | 260.00 | 19.10 | 84.2885 | 0.00 | 4,124,361,954,072 | 0 |
| 3/2/90 | 261.00 | 19.10 | 84.6126 | 0.00 | 4,140,224,884,664 | 0 |
| 3/4/97 | 261.00 | 19.10 | 84.6126 | 0.00 | 4,140,224,884,664 | 0 |
| 2/13/08 | 261.00 | 19.10 | 84.6126 | 0.00 | 4,140,224,884,664 | 0 |
| 1/6/09 | 261.00 | 19.10 | 84.6126 | 0.10 | 4,140,224,884,664 | 4,140,224,885 |
| 12/23/02 | 262.00 | 19.00 | 84.9368 | 0.00 | 4,156,087,815,257 | 0 |
| 2/14/83 | 263.00 | 19.00 | 85.2610 | 0.00 | 4,171,950,745,849 | 0 |
| 2/19/92 | 263.00 | 19.00 | 85.2610 | 0.00 | 4,171,950,745,849 | 0 |
| 12/11/94 | 263.00 | 19.00 | 85.2610 | 0.10 | 4,171,950,745,849 | 4,171,950,746 |
| 4/3/80 | 264.00 | 18.90 | 85.5852 | 0.00 | 4,187,813,676,442 | 0 |
| 4/21/91 | 264.00 | 18.90 | 85.5852 | 0.00 | 4,187,813,676,442 | 0 |
| 12/21/92 | 264.00 | 18.90 | 85.5852 | 0.00 | 4,187,813,676,442 | 0 |
| 1/5/99 | 264.00 | 18.90 | 85.5852 | 0.10 | 4,187,813,676,442 | 4,187,813,676 |
| 3/13/94 | 265.00 | 18.80 | 85.9094 | 0.00 | 4,203,676,607,034 | 0 |
| 1/4/03 | 265.00 | 18.80 | 85.9094 | 0.00 | 4,203,676,607,034 | 0 |
| 3/5/08 | 265.00 | 18.80 | 85.9094 | 0.00 | 4,203,676,607,034 | 0 |
| 2/8/10 | 265.00 | 18.80 | 85.9094 | 0.00 | 4,203,676,607,034 | 0 |
| 1/4/90 | 266.00 | 18.80 | 86.2336 | 0.00 | 4,219,539,537,627 | 0 |
| 2/28/05 | 266.00 | 18.80 | 86.2336 | 0.10 | 4,219,539,537,627 | 4,219,539,538 |
| 1/25/95 | 267.00 | 18.70 | 86.5578 | 0.00 | 4,235,402,468,220 | 0 |
| 4/2/90 | 268.00 | 18.70 | 86.8819 | 0.00 | 4,251,265,398,812 | 0 |
| 2/17/95 | 268.00 | 18.70 | 86.8819 | 0.00 | 4,251,265,398,812 | 0 |
| 12/1/09 | 268.00 | 18.70 | 86.8819 | 0.10 | 4,251,265,398,812 | 4,251,265,399 |
| 1/22/01 | 271.00 | 18.60 | 87.8545 | 0.00 | 4,298,854,190,590 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/19/10 | 271.00 | 18.60 | 87.8545 | 0.00 | 4,298,854,190,590 | 0 |
| 2/12/90 | 272.00 | 18.60 | 88.1787 | 0.00 | 4,314,717,121,183 | 0 |
| 1/14/91 | 272.00 | 18.60 | 88.1787 | 0.00 | 4,314,717,121,183 | 0 |
| 11/2/91 | 272.00 | 18.60 | 88.1787 | 0.00 | 4,314,717,121,183 | 0 |
| 12/3/91 | 272.00 | 18.60 | 88.1787 | 0.10 | 4,314,717,121,183 | 4,314,717,121 |
| 1/23/92 | 273.00 | 18.50 | 88.5029 | 0.00 | 4,330,580,051,775 | 0 |
| 3/7/04 | 273.00 | 18.50 | 88.5029 | 0.00 | 4,330,580,051,775 | 0 |
| 3/8/08 | 273.00 | 18.50 | 88.5029 | 0.00 | 4,330,580,051,775 | 0 |
| 1/27/80 | 274.00 | 18.50 | 88.8271 | 0.00 | 4,346,442,982,368 | 0 |
| 2/28/04 | 274.00 | 18.50 | 88.8271 | 0.10 | 4,346,442,982,368 | 4,346,442,982 |
| 11/19/84 | 275.00 | 18.40 | 89.1513 | 0.00 | 4,362,305,912,960 | 0 |
| 12/11/85 | 275.00 | 18.40 | 89.1513 | 0.00 | 4,362,305,912,960 | 0 |
| 1/5/93 | 275.00 | 18.40 | 89.1513 | 0.00 | 4,362,305,912,960 | 0 |
| 4/28/97 | 276.00 | 18.40 | 89.4754 | 0.00 | 4,378,168,843,553 | 0 |
| 1/15/84 | 277.00 | 18.40 | 89.7996 | 0.00 | 4,394,031,774,145 | 0 |
| 4/12/93 | 277.00 | 18.40 | 89.7996 | 0.00 | 4,394,031,774,145 | 0 |
| 3/17/99 | 277.00 | 18.40 | 89.7996 | 0.00 | 4,394,031,774,145 | 0 |
| 2/4/06 | 277.00 | 18.40 | 89.7996 | 0.10 | 4,394,031,774,145 | 4,394,031,774 |
| 4/2/09 | 278.00 | 18.30 | 90.1238 | 0.00 | 4,409,894,704,738 | 0 |
| 3/4/95 | 279.00 | 18.30 | 90.4480 | 0.00 | 4,425,757,635,331 | 0 |
| 3/13/95 | 279.00 | 18.30 | 90.4480 | 0.00 | 4,425,757,635,331 | 0 |
| 2/18/01 | 279.00 | 18.30 | 90.4480 | 0.10 | 4,425,757,635,331 | 4,425,757,635 |
| 1/15/05 | 280.00 | 18.20 | 90.7722 | 0.00 | 4,441,620,565,923 | 0 |
| 3/1/10 | 280.00 | 18.20 | 90.7722 | 0.00 | 4,441,620,565,923 | 0 |
| 12/23/92 | 281.00 | 18.20 | 91.0964 | 0.00 | 4,457,483,496,516 | 0 |
| 2/26/93 | 281.00 | 18.20 | 91.0964 | 0.10 | 4,457,483,496,516 | 4,457,483,497 |
| 1/26/83 | 282.00 | 18.10 | 91.4206 | 0.00 | 4,473,346,427,108 | 0 |
| 12/10/92 | 282.00 | 18.10 | 91.4206 | 0.00 | 4,473,346,427,108 | 0 |
| 1/11/93 | 282.00 | 18.10 | 91.4206 | 0.00 | 4,473,346,427,108 | 0 |
| 12/20/01 | 282.00 | 18.10 | 91.4206 | 0.00 | 4,473,346,427,108 | 0 |
| 2/9/04 | 282.00 | 18.10 | 91.4206 | 0.00 | 4,473,346,427,108 | 0 |
| 2/16/10 | 282.00 | 18.10 | 91.4206 | 0.10 | 4,473,346,427,108 | 4,473,346,427 |
| 4/24/96 | 283.00 | 18.00 | 91.7447 | 0.00 | 4,489,209,357,701 | 0 |
| 4/26/95 | 285.00 | 18.00 | 92.3931 | 0.00 | 4,520,935,218,886 | 0 |
| 2/27/05 | 285.00 | 18.00 | 92.3931 | 0.10 | 4,520,935,218,886 | 4,520,935,219 |
| 1/22/89 | 286.00 | 17.90 | 92.7173 | 0.00 | 4,536,798,149,479 | 0 |
| 3/9/84 | 287.00 | 17.90 | 93.0415 | 0.00 | 4,552,661,080,071 | 0 |
| 2/7/90 | 288.00 | 17.90 | 93.3657 | 0.00 | 4,568,524,010,664 | 0 |
| 1/10/93 | 288.00 | 17.90 | 93.3657 | 0.00 | 4,568,524,010,664 | 0 |
| 3/4/04 | 288.00 | 17.90 | 93.3657 | 0.00 | 4,568,524,010,664 | 0 |
| 3/15/04 | 288.00 | 17.90 | 93.3657 | 0.10 | 4,568,524,010,664 | 4,568,524,011 |
| 4/12/90 | 289.00 | 17.80 | 93.6899 | 0.00 | 4,584,386,941,256 | 0 |
| 2/4/99 | 289.00 | 17.80 | 93.6899 | 0.00 | 4,584,386,941,256 | 0 |
| 12/26/01 | 289.00 | 17.80 | 93.6899 | 0.00 | 4,584,386,941,256 | 0 |
| 1/24/07 | 290.00 | 17.80 | 94.0140 | 0.00 | 4,600,249,871,849 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/15/07 | 290.00 | 17.80 | 94.0140 | 0.10 | 4,600,249,871,849 | 4,600,249,872 |
| 2/13/80 | 291.00 | 17.70 | 94.3382 | 0.00 | 4,616,112,802,442 | 0 |
| 3/21/83 | 291.00 | 17.70 | 94.3382 | 0.00 | 4,616,112,802,442 | 0 |
| 12/1/83 | 291.00 | 17.70 | 94.3382 | 0.00 | 4,616,112,802,442 | 0 |
| 3/10/95 | 291.00 | 17.70 | 94.3382 | 0.00 | 4,616,112,802,442 | 0 |
| 3/10/92 | 292.00 | 17.70 | 94.6624 | 0.10 | 4,631,975,733,034 | 4,631,975,733 |
| 2/8/92 | 293.00 | 17.60 | 94.9866 | 0.00 | 4,647,838,663,627 | 0 |
| 2/8/03 | 293.00 | 17.60 | 94.9866 | 0.00 | 4,647,838,663,627 | 0 |
| 1/17/06 | 293.00 | 17.60 | 94.9866 | 0.00 | 4,647,838,663,627 | 0 |
| 4/12/09 | 293.00 | 17.60 | 94.9866 | 0.00 | 4,647,838,663,627 | 0 |
| 12/15/84 | 295.00 | 17.60 | 95.6350 | 0.00 | 4,679,564,524,812 | 0 |
| 12/22/92 | 295.00 | 17.60 | 95.6350 | 0.10 | 4,679,564,524,812 | 4,679,564,525 |
| 11/4/92 | 296.00 | 17.50 | 95.9592 | 0.00 | 4,695,427,455,405 | 0 |
| 3/2/97 | 296.00 | 17.50 | 95.9592 | 0.00 | 4,695,427,455,405 | 0 |
| 12/19/98 | 296.00 | 17.50 | 95.9592 | 0.00 | 4,695,427,455,405 | 0 |
| 4/1/99 | 296.00 | 17.50 | 95.9592 | 0.10 | 4,695,427,455,405 | 4,695,427,455 |
| 4/17/94 | 297.00 | 17.40 | 96.2834 | 0.00 | 4,711,290,385,997 | 0 |
| 1/31/95 | 297.00 | 17.40 | 96.2834 | 0.00 | 4,711,290,385,997 | 0 |
| 3/31/02 | 298.00 | 17.40 | 96.6075 | 0.00 | 4,727,153,316,590 | 0 |
| 1/23/84 | 299.00 | 17.40 | 96.9317 | 0.00 | 4,743,016,247,182 | 0 |
| 1/7/93 | 299.00 | 17.40 | 96.9317 | 0.10 | 4,743,016,247,182 | 4,743,016,247 |
| 4/29/90 | 300.00 | 17.30 | 97.2559 | 0.00 | 4,758,879,177,775 | 0 |
| 2/8/80 | 301.00 | 17.30 | 97.5801 | 0.00 | 4,774,742,108,367 | 0 |
| 3/2/80 | 301.00 | 17.30 | 97.5801 | 0.00 | 4,774,742,108,367 | 0 |
| 4/26/04 | 301.00 | 17.30 | 97.5801 | 0.00 | 4,774,742,108,367 | 0 |
| 4/3/08 | 301.00 | 17.30 | 97.5801 | 0.00 | 4,774,742,108,367 | 0 |
| 4/7/99 | 303.00 | 17.30 | 98.2285 | 0.00 | 4,806,467,969,553 | 0 |
| 4/24/03 | 303.00 | 17.30 | 98.2285 | 0.00 | 4,806,467,969,553 | 0 |
| 2/28/10 | 303.00 | 17.30 | 98.2285 | 0.10 | 4,806,467,969,553 | 4,806,467,970 |
| 3/20/85 | 304.00 | 17.20 | 98.5527 | 0.00 | 4,822,330,900,145 | 0 |
| 2/24/98 | 304.00 | 17.20 | 98.5527 | 0.00 | 4,822,330,900,145 | 0 |
| 3/1/03 | 304.00 | 17.20 | 98.5527 | 0.10 | 4,822,330,900,145 | 4,822,330,900 |
| 4/2/80 | 305.00 | 17.10 | 98.8768 | 0.00 | 4,838,193,830,738 | 0 |
| 3/7/03 | 305.00 | 17.10 | 98.8768 | 0.00 | 4,838,193,830,738 | 0 |
| 12/13/82 | 306.00 | 17.10 | 99.2010 | 0.00 | 4,854,056,761,330 | 0 |
| 3/6/89 | 306.00 | 17.10 | 99.2010 | 0.00 | 4,854,056,761,330 | 0 |
| 12/31/94 | 306.00 | 17.10 | 99.2010 | 0.00 | 4,854,056,761,330 | 0 |
| 1/14/98 | 306.00 | 17.10 | 99.2010 | 0.00 | 4,854,056,761,330 | 0 |
| 1/8/07 | 306.00 | 17.10 | 99.2010 | 0.10 | 4,854,056,761,330 | 4,854,056,761 |
| 4/16/90 | 307.00 | 17.00 | 99.5252 | 0.00 | 4,869,919,691,923 | 0 |
| 2/18/04 | 307.00 | 17.00 | 99.5252 | 0.00 | 4,869,919,691,923 | 0 |
| 3/5/81 | 308.00 | 17.00 | 99.8494 | 0.00 | 4,885,782,622,516 | 0 |
| 4/11/02 | 308.00 | 17.00 | 99.8494 | 0.10 | 4,885,782,622,516 | 4,885,782,623 |
| 1/22/95 | 309.00 | 16.90 | 100.1736 | 0.00 | 4,901,645,553,108 | 0 |
| 12/25/82 | 310.00 | 16.90 | 100.4978 | 0.00 | 4,917,508,483,701 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/17/89 | 310.00 | 16.90 | 100.4978 | 0.00 | 4,917,508,483,701 | 0 |
| 1/7/02 | 310.00 | 16.90 | 100.4978 | 0.10 | 4,917,508,483,701 | 4,917,508,484 |
| 4/4/08 | 311.00 | 16.80 | 100.8220 | 0.00 | 4,933,371,414,293 | 0 |
| 1/29/10 | 312.00 | 16.80 | 101.1461 | 0.00 | 4,949,234,344,886 | 0 |
| 1/31/92 | 313.00 | 16.80 | 101.4703 | 0.00 | 4,965,097,275,478 | 0 |
| 3/25/93 | 313.00 | 16.80 | 101.4703 | 0.00 | 4,965,097,275,478 | 0 |
| 11/18/98 | 314.00 | 16.80 | 101.7945 | 0.00 | 4,980,960,206,071 | 0 |
| 3/5/89 | 315.00 | 16.80 | 102.1187 | 0.00 | 4,996,823,136,664 | 0 |
| 1/23/99 | 315.00 | 16.80 | 102.1187 | 0.10 | 4,996,823,136,664 | 4,996,823,137 |
| 1/11/99 | 316.00 | 16.70 | 102.4429 | 0.00 | 5,012,686,067,256 | 0 |
| 3/31/01 | 316.00 | 16.70 | 102.4429 | 0.00 | 5,012,686,067,256 | 0 |
| 1/9/90 | 317.00 | 16.70 | 102.7671 | 0.00 | 5,028,548,997,849 | 0 |
| 1/13/01 | 317.00 | 16.70 | 102.7671 | 0.00 | 5,028,548,997,849 | 0 |
| 12/9/08 | 317.00 | 16.70 | 102.7671 | 0.10 | 5,028,548,997,849 | 5,028,548,998 |
| 12/11/88 | 318.00 | 16.60 | 103.0913 | 0.00 | 5,044,411,928,441 | 0 |
| 12/31/09 | 318.00 | 16.60 | 103.0913 | 0.00 | 5,044,411,928,441 | 0 |
| 3/21/05 | 319.00 | 16.60 | 103.4155 | 0.00 | 5,060,274,859,034 | 0 |
| 2/16/97 | 320.00 | 16.60 | 103.7396 | 0.10 | 5,076,137,789,627 | 5,076,137,790 |
| 2/25/91 | 321.00 | 16.50 | 104.0638 | 0.00 | 5,092,000,720,219 | 0 |
| 2/23/04 | 321.00 | 16.50 | 104.0638 | 0.00 | 5,092,000,720,219 | 0 |
| 1/4/83 | 322.00 | 16.50 | 104.3880 | 0.00 | 5,107,863,650,812 | 0 |
| 2/25/06 | 322.00 | 16.50 | 104.3880 | 0.00 | 5,107,863,650,812 | 0 |
| 4/7/97 | 323.00 | 16.50 | 104.7122 | 0.00 | 5,123,726,581,404 | 0 |
| 3/3/03 | 323.00 | 16.50 | 104.7122 | 0.10 | 5,123,726,581,404 | 5,123,726,581 |
| 3/15/03 | 324.00 | 16.40 | 105.0364 | 0.00 | 5,139,589,511,997 | 0 |
| 2/16/05 | 324.00 | 16.40 | 105.0364 | 0.00 | 5,139,589,511,997 | 0 |
| 11/25/83 | 326.00 | 16.40 | 105.6848 | 0.00 | 5,171,315,373,182 | 0 |
| 3/4/92 | 326.00 | 16.40 | 105.6848 | 0.10 | 5,171,315,373,182 | 5,171,315,373 |
| 4/18/80 | 327.00 | 16.30 | 106.0089 | 0.00 | 5,187,178,303,775 | 0 |
| 12/22/94 | 327.00 | 16.30 | 106.0089 | 0.00 | 5,187,178,303,775 | 0 |
| 1/22/97 | 327.00 | 16.30 | 106.0089 | 0.00 | 5,187,178,303,775 | 0 |
| 4/13/04 | 327.00 | 16.30 | 106.0089 | 0.00 | 5,187,178,303,775 | 0 |
| 2/25/83 | 328.00 | 16.30 | 106.3331 | 0.00 | 5,203,041,234,367 | 0 |
| 3/4/85 | 328.00 | 16.30 | 106.3331 | 0.00 | 5,203,041,234,367 | 0 |
| 11/30/97 | 328.00 | 16.30 | 106.3331 | 0.10 | 5,203,041,234,367 | 5,203,041,234 |
| 2/4/83 | 330.00 | 16.20 | 106.9815 | 0.00 | 5,234,767,095,552 | 0 |
| 1/26/91 | 330.00 | 16.20 | 106.9815 | 0.00 | 5,234,767,095,552 | 0 |
| 1/30/94 | 330.00 | 16.20 | 106.9815 | 0.00 | 5,234,767,095,552 | 0 |
| 3/9/05 | 330.00 | 16.20 | 106.9815 | 0.00 | 5,234,767,095,552 | 0 |
| 12/27/09 | 330.00 | 16.20 | 106.9815 | 0.10 | 5,234,767,095,552 | 5,234,767,096 |
| 2/28/92 | 331.00 | 16.10 | 107.3057 | 0.00 | 5,250,630,026,145 | 0 |
| 1/11/89 | 332.00 | 16.10 | 107.6299 | 0.00 | 5,266,492,956,738 | 0 |
| 1/7/95 | 332.00 | 16.10 | 107.6299 | 0.00 | 5,266,492,956,738 | 0 |
| 1/3/07 | 332.00 | 16.10 | 107.6299 | 0.10 | 5,266,492,956,738 | 5,266,492,957 |
| 4/10/84 | 333.00 | 16.00 | 107.9541 | 0.00 | 5,282,355,887,330 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/26/03 | 333.00 | 16.00 | 107.9541 | 0.00 | 5,282,355,887,330 | 0 |
| 12/30/03 | 333.00 | 16.00 | 107.9541 | 0.00 | 5,282,355,887,330 | 0 |
| 2/24/90 | 334.00 | 16.00 | 108.2782 | 0.00 | 5,298,218,817,923 | 0 |
| 12/2/85 | 335.00 | 16.00 | 108.6024 | 0.00 | 5,314,081,748,515 | 0 |
| 1/30/92 | 335.00 | 16.00 | 108.6024 | 0.00 | 5,314,081,748,515 | 0 |
| 12/13/08 | 335.00 | 16.00 | 108.6024 | 0.10 | 5,314,081,748,515 | 5,314,081,749 |
| 4/30/04 | 336.00 | 15.90 | 108.9266 | 0.00 | 5,329,944,679,108 | 0 |
| 1/18/07 | 336.00 | 15.90 | 108.9266 | 0.00 | 5,329,944,679,108 | 0 |
| 1/2/10 | 337.00 | 15.90 | 109.2508 | 0.10 | 5,345,807,609,700 | 5,345,807,610 |
| 4/16/94 | 338.00 | 15.80 | 109.5750 | 0.00 | 5,361,670,540,293 | 0 |
| 1/1/10 | 338.00 | 15.80 | 109.5750 | 0.00 | 5,361,670,540,293 | 0 |
| 2/13/83 | 339.00 | 15.80 | 109.8992 | 0.00 | 5,377,533,470,886 | 0 |
| 3/9/92 | 339.00 | 15.80 | 109.8992 | 0.00 | 5,377,533,470,886 | 0 |
| 2/8/97 | 340.00 | 15.80 | 110.2234 | 0.00 | 5,393,396,401,478 | 0 |
| 12/15/02 | 340.00 | 15.80 | 110.2234 | 0.00 | 5,393,396,401,478 | 0 |
| 12/20/07 | 340.00 | 15.80 | 110.2234 | 0.10 | 5,393,396,401,478 | 5,393,396,401 |
| 4/23/83 | 341.00 | 15.70 | 110.5476 | 0.00 | 5,409,259,332,071 | 0 |
| 3/3/97 | 341.00 | 15.70 | 110.5476 | 0.00 | 5,409,259,332,071 | 0 |
| 1/16/98 | 341.00 | 15.70 | 110.5476 | 0.00 | 5,409,259,332,071 | 0 |
| 2/16/01 | 342.00 | 15.70 | 110.8717 | 0.00 | 5,425,122,262,663 | 0 |
| 11/28/04 | 342.00 | 15.70 | 110.8717 | 0.10 | 5,425,122,262,663 | 5,425,122,263 |
| 12/13/83 | 344.00 | 15.60 | 111.5201 | 0.00 | 5,456,848,123,849 | 0 |
| 4/27/91 | 344.00 | 15.60 | 111.5201 | 0.00 | 5,456,848,123,849 | 0 |
| 3/1/97 | 345.00 | 15.60 | 111.8443 | 0.00 | 5,472,711,054,441 | 0 |
| 3/22/93 | 346.00 | 15.60 | 112.1685 | 0.10 | 5,488,573,985,034 | 5,488,573,985 |
| 1/18/94 | 348.00 | 15.50 | 112.8169 | 0.00 | 5,520,299,846,219 | 0 |
| 2/12/05 | 348.00 | 15.50 | 112.8169 | 0.00 | 5,520,299,846,219 | 0 |
| 3/17/09 | 348.00 | 15.50 | 112.8169 | 0.00 | 5,520,299,846,219 | 0 |
| 4/27/82 | 349.00 | 15.50 | 113.1410 | 0.00 | 5,536,162,776,811 | 0 |
| 11/20/00 | 349.00 | 15.50 | 113.1410 | 0.00 | 5,536,162,776,811 | 0 |
| 12/6/04 | 349.00 | 15.50 | 113.1410 | 0.10 | 5,536,162,776,811 | 5,536,162,777 |
| 2/23/89 | 350.00 | 15.40 | 113.4652 | 0.00 | 5,552,025,707,404 | 0 |
| 2/26/03 | 350.00 | 15.40 | 113.4652 | 0.00 | 5,552,025,707,404 | 0 |
| 12/9/04 | 350.00 | 15.40 | 113.4652 | 0.00 | 5,552,025,707,404 | 0 |
| 12/18/96 | 351.00 | 15.40 | 113.7894 | 0.10 | 5,567,888,637,997 | 5,567,888,638 |
| 1/29/83 | 352.00 | 15.30 | 114.1136 | 0.00 | 5,583,751,568,589 | 0 |
| 1/21/91 | 353.00 | 15.30 | 114.4378 | 0.00 | 5,599,614,499,182 | 0 |
| 12/6/84 | 354.00 | 15.30 | 114.7620 | 0.00 | 5,615,477,429,774 | 0 |
| 1/23/93 | 354.00 | 15.30 | 114.7620 | 0.00 | 5,615,477,429,774 | 0 |
| 4/8/03 | 354.00 | 15.30 | 114.7620 | 0.10 | 5,615,477,429,774 | 5,615,477,430 |
| 11/21/92 | 355.00 | 15.20 | 115.0862 | 0.00 | 5,631,340,360,367 | 0 |
| 1/15/95 | 355.00 | 15.20 | 115.0862 | 0.00 | 5,631,340,360,367 | 0 |
| 4/28/09 | 355.00 | 15.20 | 115.0862 | 0.00 | 5,631,340,360,367 | 0 |
| 4/2/93 | 356.00 | 15.20 | 115.4103 | 0.00 | 5,647,203,290,959 | 0 |
| 4/7/08 | 356.00 | 15.20 | 115.4103 | 0.00 | 5,647,203,290,959 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/16/96 | 359.00 | 15.20 | 116.3829 | 0.00 | 5,694,792,082,737 | 0 |
| 1/29/07 | 359.00 | 15.20 | 116.3829 | 0.10 | 5,694,792,082,737 | 5,694,792,083 |
| 12/12/88 | 360.00 | 15.10 | 116.7071 | 0.00 | 5,710,655,013,330 | 0 |
| 1/15/98 | 362.00 | 15.10 | 117.3555 | 0.00 | 5,742,380,874,515 | 0 |
| 2/3/99 | 362.00 | 15.10 | 117.3555 | 0.00 | 5,742,380,874,515 | 0 |
| 11/27/00 | 362.00 | 15.10 | 117.3555 | 0.00 | 5,742,380,874,515 | 0 |
| 2/17/04 | 362.00 | 15.10 | 117.3555 | 0.00 | 5,742,380,874,515 | 0 |
| 3/4/05 | 362.00 | 15.10 | 117.3555 | 0.10 | 5,742,380,874,515 | 5,742,380,875 |
| 12/15/98 | 363.00 | 15.00 | 117.6797 | 0.00 | 5,758,243,805,108 | 0 |
| 11/8/06 | 363.00 | 15.00 | 117.6797 | 0.00 | 5,758,243,805,108 | 0 |
| 1/21/92 | 364.00 | 15.00 | 118.0038 | 0.00 | 5,774,106,735,700 | 0 |
| 3/25/09 | 364.00 | 15.00 | 118.0038 | 0.10 | 5,774,106,735,700 | 5,774,106,736 |
| 2/17/84 | 365.00 | 14.90 | 118.3280 | 0.00 | 5,789,969,666,293 | 0 |
| 3/2/04 | 365.00 | 14.90 | 118.3280 | 0.00 | 5,789,969,666,293 | 0 |
| 3/4/10 | 365.00 | 14.90 | 118.3280 | 0.00 | 5,789,969,666,293 | 0 |
| 11/8/02 | 366.00 | 14.90 | 118.6522 | 0.00 | 5,805,832,596,885 | 0 |
| 4/1/07 | 366.00 | 14.90 | 118.6522 | 0.10 | 5,805,832,596,885 | 5,805,832,597 |
| 3/18/93 | 367.00 | 14.80 | 118.9764 | 0.00 | 5,821,695,527,478 | 0 |
| 1/27/04 | 367.00 | 14.80 | 118.9764 | 0.00 | 5,821,695,527,478 | 0 |
| 4/1/89 | 368.00 | 14.80 | 119.3006 | 0.00 | 5,837,558,458,070 | 0 |
| 2/27/91 | 369.00 | 14.80 | 119.6248 | 0.10 | 5,853,421,388,663 | 5,853,421,389 |
| 2/19/08 | 370.00 | 14.70 | 119.9490 | 0.00 | 5,869,284,319,256 | 0 |
| 3/14/84 | 371.00 | 14.70 | 120.2731 | 0.00 | 5,885,147,249,848 | 0 |
| 12/27/02 | 371.00 | 14.70 | 120.2731 | 0.00 | 5,885,147,249,848 | 0 |
| 2/25/03 | 371.00 | 14.70 | 120.2731 | 0.00 | 5,885,147,249,848 | 0 |
| 1/18/06 | 371.00 | 14.70 | 120.2731 | 0.00 | 5,885,147,249,848 | 0 |
| 12/28/90 | 373.00 | 14.70 | 120.9215 | 0.00 | 5,916,873,111,033 | 0 |
| 12/16/00 | 373.00 | 14.70 | 120.9215 | 0.10 | 5,916,873,111,033 | 5,916,873,111 |
| 1/12/98 | 374.00 | 14.60 | 121.2457 | 0.00 | 5,932,736,041,626 | 0 |
| 4/20/82 | 375.00 | 14.60 | 121.5699 | 0.00 | 5,948,598,972,219 | 0 |
| 3/6/01 | 376.00 | 14.60 | 121.8941 | 0.00 | 5,964,461,902,811 | 0 |
| 2/11/10 | 376.00 | 14.60 | 121.8941 | 0.10 | 5,964,461,902,811 | 5,964,461,903 |
| 12/27/92 | 377.00 | 14.50 | 122.2183 | 0.00 | 5,980,324,833,404 | 0 |
| 12/20/98 | 377.00 | 14.50 | 122.2183 | 0.00 | 5,980,324,833,404 | 0 |
| 2/7/10 | 377.00 | 14.50 | 122.2183 | 0.00 | 5,980,324,833,404 | 0 |
| 2/10/06 | 378.00 | 14.50 | 122.5424 | 0.00 | 5,996,187,763,996 | 0 |
| 3/28/83 | 379.00 | 14.50 | 122.8666 | 0.00 | 6,012,050,694,589 | 0 |
| 4/23/96 | 379.00 | 14.50 | 122.8666 | 0.00 | 6,012,050,694,589 | 0 |
| 3/30/04 | 379.00 | 14.50 | 122.8666 | 0.00 | 6,012,050,694,589 | 0 |
| 1/8/09 | 379.00 | 14.50 | 122.8666 | 0.10 | 6,012,050,694,589 | 6,012,050,695 |
| 4/2/07 | 381.00 | 14.40 | 123.5150 | 0.00 | 6,043,776,555,774 | 0 |
| 4/2/00 | 382.00 | 14.40 | 123.8392 | 0.00 | 6,059,639,486,367 | 0 |
| 3/3/04 | 382.00 | 14.40 | 123.8392 | 0.10 | 6,059,639,486,367 | 6,059,639,486 |
| 12/17/09 | 383.00 | 14.30 | 124.1634 | 0.00 | 6,075,502,416,959 | 0 |
| 4/25/80 | 384.00 | 14.30 | 124.4876 | 0.00 | 6,091,365,347,552 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/29/09 | 384.00 | 14.30 | 124.4876 | 0.00 | 6,091,365,347,552 | 0 |
| 1/23/97 | 387.00 | 14.30 | 125.4601 | 0.10 | 6,138,954,139,330 | 6,138,954,139 |
| 2/6/90 | 388.00 | 14.20 | 125.7843 | 0.00 | 6,154,817,069,922 | 0 |
| 12/20/02 | 388.00 | 14.20 | 125.7843 | 0.00 | 6,154,817,069,922 | 0 |
| 3/29/84 | 389.00 | 14.20 | 126.1085 | 0.00 | 6,170,680,000,515 | 0 |
| 12/31/82 | 390.00 | 14.20 | 126.4327 | 0.00 | 6,186,542,931,107 | 0 |
| 2/18/89 | 390.00 | 14.20 | 126.4327 | 0.00 | 6,186,542,931,107 | 0 |
| 11/23/92 | 390.00 | 14.20 | 126.4327 | 0.00 | 6,186,542,931,107 | 0 |
| 3/16/98 | 390.00 | 14.20 | 126.4327 | 0.10 | 6,186,542,931,107 | 6,186,542,931 |
| 1/19/07 | 391.00 | 14.10 | 126.7569 | 0.00 | 6,202,405,861,700 | 0 |
| 2/18/92 | 392.00 | 14.10 | 127.0811 | 0.00 | 6,218,268,792,292 | 0 |
| 1/16/97 | 392.00 | 14.10 | 127.0811 | 0.00 | 6,218,268,792,292 | 0 |
| 3/6/04 | 392.00 | 14.10 | 127.0811 | 0.10 | 6,218,268,792,292 | 6,218,268,792 |
| 11/8/00 | 393.00 | 14.00 | 127.4052 | 0.00 | 6,234,131,722,885 | 0 |
| 3/30/08 | 394.00 | 14.00 | 127.7294 | 0.00 | 6,249,994,653,478 | 0 |
| 2/23/08 | 395.00 | 14.00 | 128.0536 | 0.00 | 6,265,857,584,070 | 0 |
| 3/4/08 | 395.00 | 14.00 | 128.0536 | 0.00 | 6,265,857,584,070 | 0 |
| 2/8/83 | 396.00 | 14.00 | 128.3778 | 0.00 | 6,281,720,514,663 | 0 |
| 1/26/02 | 396.00 | 14.00 | 128.3778 | 0.10 | 6,281,720,514,663 | 6,281,720,515 |
| 2/18/98 | 399.00 | 13.90 | 129.3504 | 0.00 | 6,329,309,306,441 | 0 |
| 12/2/01 | 399.00 | 13.90 | 129.3504 | 0.00 | 6,329,309,306,441 | 0 |
| 1/26/84 | 400.00 | 13.90 | 129.6745 | 0.00 | 6,345,172,237,033 | 0 |
| 12/14/84 | 400.00 | 13.90 | 129.6745 | 0.10 | 6,345,172,237,033 | 6,345,172,237 |
| 1/24/91 | 401.00 | 13.80 | 129.9987 | 0.00 | 6,361,035,167,626 | 0 |
| 3/6/03 | 401.00 | 13.80 | 129.9987 | 0.00 | 6,361,035,167,626 | 0 |
| 11/2/09 | 402.00 | 13.80 | 130.3229 | 0.00 | 6,376,898,098,218 | 0 |
| 1/16/84 | 403.00 | 13.80 | 130.6471 | 0.00 | 6,392,761,028,811 | 0 |
| 3/15/90 | 403.00 | 13.80 | 130.6471 | 0.00 | 6,392,761,028,811 | 0 |
| 3/16/93 | 403.00 | 13.80 | 130.6471 | 0.10 | 6,392,761,028,811 | 6,392,761,029 |
| 4/11/05 | 404.00 | 13.70 | 130.9713 | 0.00 | 6,408,623,959,403 | 0 |
| 3/3/90 | 405.00 | 13.70 | 131.2955 | 0.00 | 6,424,486,889,996 | 0 |
| 2/1/04 | 405.00 | 13.70 | 131.2955 | 0.00 | 6,424,486,889,996 | 0 |
| 3/22/05 | 405.00 | 13.70 | 131.2955 | 0.00 | 6,424,486,889,996 | 0 |
| 4/9/91 | 406.00 | 13.70 | 131.6197 | 0.00 | 6,440,349,820,589 | 0 |
| 2/25/94 | 406.00 | 13.70 | 131.6197 | 0.00 | 6,440,349,820,589 | 0 |
| 1/30/95 | 406.00 | 13.70 | 131.6197 | 0.00 | 6,440,349,820,589 | 0 |
| 3/11/01 | 406.00 | 13.70 | 131.6197 | 0.00 | 6,440,349,820,589 | 0 |
| 1/20/07 | 406.00 | 13.70 | 131.6197 | 0.00 | 6,440,349,820,589 | 0 |
| 1/28/07 | 406.00 | 13.70 | 131.6197 | 0.20 | 6,440,349,820,589 | 12,880,699,641 |
| 3/24/89 | 410.00 | 13.50 | 132.9164 | 0.00 | 6,503,801,542,959 | 0 |
| 1/10/98 | 411.00 | 13.50 | 133.2406 | 0.00 | 6,519,664,473,552 | 0 |
| 2/13/05 | 411.00 | 13.50 | 133.2406 | 0.00 | 6,519,664,473,552 | 0 |
| 2/21/94 | 413.00 | 13.50 | 133.8890 | 0.00 | 6,551,390,334,737 | 0 |
| 3/3/05 | 413.00 | 13.50 | 133.8890 | 0.10 | 6,551,390,334,737 | 6,551,390,335 |
| 3/21/89 | 416.00 | 13.40 | 134.8615 | 0.00 | 6,598,979,126,514 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/31/10 | 417.00 | 13.40 | 135.1857 | 0.00 | 6,614,842,057,107 | 0 |
| 2/10/90 | 418.00 | 13.40 | 135.5099 | 0.00 | 6,630,704,987,700 | 0 |
| 3/16/90 | 418.00 | 13.40 | 135.5099 | 0.00 | 6,630,704,987,700 | 0 |
| 3/17/95 | 419.00 | 13.40 | 135.8341 | 0.00 | 6,646,567,918,292 | 0 |
| 1/3/03 | 419.00 | 13.40 | 135.8341 | 0.10 | 6,646,567,918,292 | 6,646,567,918 |
| 4/24/83 | 421.00 | 13.30 | 136.4825 | 0.00 | 6,678,293,779,477 | 0 |
| 1/18/85 | 421.00 | 13.30 | 136.4825 | 0.00 | 6,678,293,779,477 | 0 |
| 4/16/99 | 421.00 | 13.30 | 136.4825 | 0.00 | 6,678,293,779,477 | 0 |
| 2/15/10 | 421.00 | 13.30 | 136.4825 | 0.10 | 6,678,293,779,477 | 6,678,293,779 |
| 12/7/83 | 423.00 | 13.20 | 137.1308 | 0.00 | 6,710,019,640,663 | 0 |
| 11/27/82 | 424.00 | 13.20 | 137.4550 | 0.00 | 6,725,882,571,255 | 0 |
| 11/19/00 | 424.00 | 13.20 | 137.4550 | 0.00 | 6,725,882,571,255 | 0 |
| 3/22/80 | 425.00 | 13.20 | 137.7792 | 0.00 | 6,741,745,501,848 | 0 |
| 3/4/91 | 426.00 | 13.20 | 138.1034 | 0.00 | 6,757,608,432,440 | 0 |
| 1/23/07 | 426.00 | 13.20 | 138.1034 | 0.10 | 6,757,608,432,440 | 6,757,608,432 |
| 4/1/02 | 427.00 | 13.10 | 138.4276 | 0.00 | 6,773,471,363,033 | 0 |
| 1/29/89 | 428.00 | 13.10 | 138.7518 | 0.00 | 6,789,334,293,625 | 0 |
| 4/24/08 | 430.00 | 13.10 | 139.4001 | 0.00 | 6,821,060,154,811 | 0 |
| 4/20/92 | 431.00 | 13.10 | 139.7243 | 0.00 | 6,836,923,085,403 | 0 |
| 3/13/03 | 431.00 | 13.10 | 139.7243 | 0.10 | 6,836,923,085,403 | 6,836,923,085 |
| 12/17/82 | 432.00 | 13.00 | 140.0485 | 0.00 | 6,852,786,015,996 | 0 |
| 1/22/80 | 433.00 | 13.00 | 140.3727 | 0.00 | 6,868,648,946,588 | 0 |
| 12/23/83 | 435.00 | 13.00 | 141.0211 | 0.00 | 6,900,374,807,774 | 0 |
| 2/16/84 | 435.00 | 13.00 | 141.0211 | 0.00 | 6,900,374,807,774 | 0 |
| 3/30/99 | 436.00 | 13.00 | 141.3453 | 0.00 | 6,916,237,738,366 | 0 |
| 1/6/02 | 436.00 | 13.00 | 141.3453 | 0.10 | 6,916,237,738,366 | 6,916,237,738 |
| 2/1/90 | 439.00 | 12.90 | 142.3178 | 0.00 | 6,963,826,530,144 | 0 |
| 2/26/91 | 439.00 | 12.90 | 142.3178 | 0.00 | 6,963,826,530,144 | 0 |
| 3/14/93 | 439.00 | 12.90 | 142.3178 | 0.00 | 6,963,826,530,144 | 0 |
| 3/3/94 | 439.00 | 12.90 | 142.3178 | 0.00 | 6,963,826,530,144 | 0 |
| 12/25/06 | 439.00 | 12.90 | 142.3178 | 0.10 | 6,963,826,530,144 | 6,963,826,530 |
| 4/8/91 | 440.00 | 12.80 | 142.6420 | 0.00 | 6,979,689,460,736 | 0 |
| 2/3/05 | 440.00 | 12.80 | 142.6420 | 0.00 | 6,979,689,460,736 | 0 |
| 4/19/82 | 442.00 | 12.80 | 143.2904 | 0.00 | 7,011,415,321,922 | 0 |
| 1/17/89 | 443.00 | 12.80 | 143.6146 | 0.10 | 7,027,278,252,514 | 7,027,278,253 |
| 4/13/05 | 444.00 | 12.70 | 143.9387 | 0.00 | 7,043,141,183,107 | 0 |
| 12/19/01 | 445.00 | 12.70 | 144.2629 | 0.00 | 7,059,004,113,699 | 0 |
| 1/5/90 | 446.00 | 12.70 | 144.5871 | 0.00 | 7,074,867,044,292 | 0 |
| 3/17/01 | 451.00 | 12.70 | 146.2081 | 0.00 | 7,154,181,697,255 | 0 |
| 2/23/85 | 452.00 | 12.70 | 146.5322 | 0.00 | 7,170,044,627,847 | 0 |
| 2/12/94 | 452.00 | 12.70 | 146.5322 | 0.10 | 7,170,044,627,847 | 7,170,044,628 |
| 1/7/07 | 453.00 | 12.60 | 146.8564 | 0.00 | 7,185,907,558,440 | 0 |
| 11/29/82 | 455.00 | 12.60 | 147.5048 | 0.00 | 7,217,633,419,625 | 0 |
| 1/24/95 | 455.00 | 12.60 | 147.5048 | 0.00 | 7,217,633,419,625 | 0 |
| 1/11/84 | 456.00 | 12.60 | 147.8290 | 0.00 | 7,233,496,350,218 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/28/88 | 456.00 | 12.60 | 147.8290 | 0.00 | 7,233,496,350,218 | 0 |
| 3/30/01 | 456.00 | 12.60 | 147.8290 | 0.10 | 7,233,496,350,218 | 7,233,496,350 |
| 12/4/02 | 457.00 | 12.50 | 148.1532 | 0.00 | 7,249,359,280,810 | 0 |
| 2/21/02 | 458.00 | 12.50 | 148.4774 | 0.00 | 7,265,222,211,403 | 0 |
| 2/17/92 | 459.00 | 12.50 | 148.8015 | 0.00 | 7,281,085,141,996 | 0 |
| 1/24/98 | 459.00 | 12.50 | 148.8015 | 0.00 | 7,281,085,141,996 | 0 |
| 2/26/05 | 459.00 | 12.50 | 148.8015 | 0.10 | 7,281,085,141,996 | 7,281,085,142 |
| 12/10/91 | 460.00 | 12.40 | 149.1257 | 0.00 | 7,296,948,072,588 | 0 |
| 2/24/04 | 461.00 | 12.40 | 149.4499 | 0.00 | 7,312,811,003,181 | 0 |
| 3/12/08 | 463.00 | 12.40 | 150.0983 | 0.00 | 7,344,536,864,366 | 0 |
| 1/17/85 | 464.00 | 12.40 | 150.4225 | 0.10 | 7,360,399,794,958 | 7,360,399,795 |
| 3/4/89 | 465.00 | 12.30 | 150.7467 | 0.00 | 7,376,262,725,551 | 0 |
| 3/15/97 | 466.00 | 12.30 | 151.0708 | 0.00 | 7,392,125,656,144 | 0 |
| 4/26/82 | 468.00 | 12.30 | 151.7192 | 0.00 | 7,423,851,517,329 | 0 |
| 4/28/80 | 469.00 | 12.30 | 152.0434 | 0.00 | 7,439,714,447,921 | 0 |
| 12/12/82 | 470.00 | 12.30 | 152.3676 | 0.00 | 7,455,577,378,514 | 0 |
| 2/27/04 | 470.00 | 12.30 | 152.3676 | 0.00 | 7,455,577,378,514 | 0 |
| 3/8/05 | 470.00 | 12.30 | 152.3676 | 0.10 | 7,455,577,378,514 | 7,455,577,379 |
| 12/2/04 | 471.00 | 12.20 | 152.6918 | 0.00 | 7,471,440,309,107 | 0 |
| 1/15/07 | 472.00 | 12.20 | 153.0160 | 0.00 | 7,487,303,239,699 | 0 |
| 2/20/89 | 473.00 | 12.20 | 153.3402 | 0.00 | 7,503,166,170,292 | 0 |
| 12/29/00 | 473.00 | 12.20 | 153.3402 | 0.00 | 7,503,166,170,292 | 0 |
| 4/3/09 | 473.00 | 12.20 | 153.3402 | 0.10 | 7,503,166,170,292 | 7,503,166,170 |
| 11/29/84 | 478.00 | 12.10 | 154.9611 | 0.00 | 7,582,480,823,255 | 0 |
| 2/1/89 | 478.00 | 12.10 | 154.9611 | 0.00 | 7,582,480,823,255 | 0 |
| 11/1/91 | 478.00 | 12.10 | 154.9611 | 0.00 | 7,582,480,823,255 | 0 |
| 2/28/03 | 478.00 | 12.10 | 154.9611 | 0.10 | 7,582,480,823,255 | 7,582,480,823 |
| 4/26/97 | 479.00 | 12.00 | 155.2853 | 0.00 | 7,598,343,753,847 | 0 |
| 2/16/98 | 479.00 | 12.00 | 155.2853 | 0.00 | 7,598,343,753,847 | 0 |
| 1/21/89 | 481.00 | 12.00 | 155.9336 | 0.00 | 7,630,069,615,032 | 0 |
| 4/11/90 | 481.00 | 12.00 | 155.9336 | 0.00 | 7,630,069,615,032 | 0 |
| 1/13/98 | 484.00 | 12.00 | 156.9062 | 0.10 | 7,677,658,406,810 | 7,677,658,407 |
| 3/13/84 | 485.00 | 11.90 | 157.2304 | 0.00 | 7,693,521,337,403 | 0 |
| 4/21/92 | 488.00 | 11.90 | 158.2029 | 0.00 | 7,741,110,129,180 | 0 |
| 12/24/04 | 490.00 | 11.90 | 158.8513 | 0.00 | 7,772,835,990,366 | 0 |
| 4/29/06 | 492.00 | 11.90 | 159.4997 | 0.00 | 7,804,561,851,551 | 0 |
| 3/16/99 | 493.00 | 11.90 | 159.8239 | 0.00 | 7,820,424,782,143 | 0 |
| 2/8/04 | 493.00 | 11.90 | 159.8239 | 0.10 | 7,820,424,782,143 | 7,820,424,782 |
| 1/31/01 | 497.00 | 11.80 | 161.1206 | 0.00 | 7,883,876,504,514 | 0 |
| 3/8/84 | 499.00 | 11.80 | 161.7690 | 0.00 | 7,915,602,365,699 | 0 |
| 11/2/85 | 499.00 | 11.80 | 161.7690 | 0.00 | 7,915,602,365,699 | 0 |
| 11/29/83 | 502.00 | 11.80 | 162.7416 | 0.10 | 7,963,191,157,477 | 7,963,191,157 |
| 1/18/91 | 503.00 | 11.70 | 163.0657 | 0.00 | 7,979,054,088,069 | 0 |
| 12/4/97 | 504.00 | 11.70 | 163.3899 | 0.00 | 7,994,917,018,662 | 0 |
| 2/27/06 | 504.00 | 11.70 | 163.3899 | 0.00 | 7,994,917,018,662 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/27/92 | 506.00 | 11.70 | 164.0383 | 0.00 | 8,026,642,879,847 | 0 |
| 4/25/82 | 507.00 | 11.70 | 164.3625 | 0.10 | 8,042,505,810,440 | 8,042,505,810 |
| 3/23/83 | 509.00 | 11.60 | 165.0109 | 0.00 | 8,074,231,671,625 | 0 |
| 4/13/97 | 510.00 | 11.60 | 165.3350 | 0.00 | 8,090,094,602,217 | 0 |
| 12/26/06 | 510.00 | 11.60 | 165.3350 | 0.00 | 8,090,094,602,217 | 0 |
| 3/20/80 | 513.00 | 11.60 | 166.3076 | 0.00 | 8,137,683,393,995 | 0 |
| 2/11/90 | 513.00 | 11.60 | 166.3076 | 0.00 | 8,137,683,393,995 | 0 |
| 12/6/02 | 514.00 | 11.60 | 166.6318 | 0.10 | 8,153,546,324,588 | 8,153,546,325 |
| 4/15/90 | 515.00 | 11.50 | 166.9560 | 0.00 | 8,169,409,255,180 | 0 |
| 12/2/09 | 519.00 | 11.50 | 168.2527 | 0.00 | 8,232,860,977,551 | 0 |
| 2/2/99 | 520.00 | 11.50 | 168.5769 | 0.00 | 8,248,723,908,143 | 0 |
| 2/8/02 | 520.00 | 11.50 | 168.5769 | 0.00 | 8,248,723,908,143 | 0 |
| 12/26/92 | 521.00 | 11.50 | 168.9011 | 0.00 | 8,264,586,838,736 | 0 |
| 2/23/97 | 521.00 | 11.50 | 168.9011 | 0.00 | 8,264,586,838,736 | 0 |
| 11/29/97 | 521.00 | 11.50 | 168.9011 | 0.10 | 8,264,586,838,736 | 8,264,586,839 |
| 4/11/93 | 523.00 | 11.40 | 169.5495 | 0.00 | 8,296,312,699,921 | 0 |
| 12/3/09 | 524.00 | 11.40 | 169.8737 | 0.00 | 8,312,175,630,513 | 0 |
| 3/31/85 | 528.00 | 11.40 | 171.1704 | 0.10 | 8,375,627,352,884 | 8,375,627,353 |
| 12/29/88 | 529.00 | 11.30 | 171.4946 | 0.00 | 8,391,490,283,476 | 0 |
| 1/28/90 | 529.00 | 11.30 | 171.4946 | 0.00 | 8,391,490,283,476 | 0 |
| 12/26/00 | 530.00 | 11.30 | 171.8188 | 0.00 | 8,407,353,214,069 | 0 |
| 3/28/01 | 530.00 | 11.30 | 171.8188 | 0.00 | 8,407,353,214,069 | 0 |
| 2/28/84 | 532.00 | 11.30 | 172.4671 | 0.00 | 8,439,079,075,254 | 0 |
| 1/23/95 | 532.00 | 11.30 | 172.4671 | 0.10 | 8,439,079,075,254 | 8,439,079,075 |
| 4/1/85 | 534.00 | 11.20 | 173.1155 | 0.00 | 8,470,804,936,439 | 0 |
| 4/12/97 | 534.00 | 11.20 | 173.1155 | 0.00 | 8,470,804,936,439 | 0 |
| 2/28/85 | 535.00 | 11.20 | 173.4397 | 0.00 | 8,486,667,867,032 | 0 |
| 1/18/90 | 537.00 | 11.20 | 174.0881 | 0.10 | 8,518,393,728,217 | 8,518,393,728 |
| 2/12/98 | 538.00 | 11.10 | 174.4123 | 0.00 | 8,534,256,658,810 | 0 |
| 3/11/08 | 540.00 | 11.10 | 175.0606 | 0.00 | 8,565,982,519,995 | 0 |
| 1/3/83 | 541.00 | 11.10 | 175.3848 | 0.00 | 8,581,845,450,587 | 0 |
| 4/6/93 | 541.00 | 11.10 | 175.3848 | 0.00 | 8,581,845,450,587 | 0 |
| 12/22/83 | 542.00 | 11.10 | 175.7090 | 0.10 | 8,597,708,381,180 | 8,597,708,381 |
| 2/13/85 | 545.00 | 11.00 | 176.6816 | 0.00 | 8,645,297,172,958 | 0 |
| 1/29/92 | 545.00 | 11.00 | 176.6816 | 0.00 | 8,645,297,172,958 | 0 |
| 3/2/89 | 548.00 | 11.00 | 177.6541 | 0.00 | 8,692,885,964,735 | 0 |
| 2/27/03 | 548.00 | 11.00 | 177.6541 | 0.00 | 8,692,885,964,735 | 0 |
| 2/21/08 | 549.00 | 11.00 | 177.9783 | 0.00 | 8,708,748,895,328 | 0 |
| 3/6/83 | 550.00 | 11.00 | 178.3025 | 0.10 | 8,724,611,825,921 | 8,724,611,826 |
| 1/21/01 | 551.00 | 10.90 | 178.6267 | 0.00 | 8,740,474,756,513 | 0 |
| 3/5/83 | 552.00 | 10.90 | 178.9509 | 0.00 | 8,756,337,687,106 | 0 |
| 4/17/91 | 552.00 | 10.90 | 178.9509 | 0.00 | 8,756,337,687,106 | 0 |
| 2/7/03 | 556.00 | 10.90 | 180.2476 | 0.00 | 8,819,789,409,476 | 0 |
| 1/9/93 | 557.00 | 10.90 | 180.5718 | 0.10 | 8,835,652,340,069 | 8,835,652,340 |
| 2/1/80 | 563.00 | 10.80 | 182.5169 | 0.00 | 8,930,829,923,624 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/10/84 | 566.00 | 10.80 | 183.4895 | 0.00 | 8,978,418,715,402 | 0 |
| 2/15/05 | 566.00 | 10.80 | 183.4895 | 0.00 | 8,978,418,715,402 | 0 |
| 3/23/05 | 566.00 | 10.80 | 183.4895 | 0.00 | 8,978,418,715,402 | 0 |
| 1/1/83 | 567.00 | 10.80 | 183.8137 | 0.10 | 8,994,281,645,994 | 8,994,281,646 |
| 1/29/01 | 568.00 | 10.70 | 184.1379 | 0.00 | 9,010,144,576,587 | 0 |
| 3/6/95 | 572.00 | 10.70 | 185.4346 | 0.00 | 9,073,596,298,957 | 0 |
| 12/2/83 | 573.00 | 10.70 | 185.7588 | 0.00 | 9,089,459,229,550 | 0 |
| 4/28/90 | 573.00 | 10.70 | 185.7588 | 0.00 | 9,089,459,229,550 | 0 |
| 1/10/99 | 574.00 | 10.70 | 186.0830 | 0.10 | 9,105,322,160,143 | 9,105,322,160 |
| 3/5/95 | 575.00 | 10.60 | 186.4072 | 0.00 | 9,121,185,090,735 | 0 |
| 4/27/97 | 576.00 | 10.60 | 186.7313 | 0.00 | 9,137,048,021,328 | 0 |
| 1/25/02 | 576.00 | 10.60 | 186.7313 | 0.00 | 9,137,048,021,328 | 0 |
| 12/21/07 | 577.00 | 10.60 | 187.0555 | 0.00 | 9,152,910,951,920 | 0 |
| 3/22/85 | 578.00 | 10.60 | 187.3797 | 0.10 | 9,168,773,882,513 | 9,168,773,883 |
| 1/30/83 | 582.00 | 10.50 | 188.6765 | 0.00 | 9,232,225,604,883 | 0 |
| 2/8/86 | 582.00 | 10.50 | 188.6765 | 0.00 | 9,232,225,604,883 | 0 |
| 2/5/83 | 588.00 | 10.50 | 190.6216 | 0.00 | 9,327,403,188,439 | 0 |
| 12/27/00 | 588.00 | 10.50 | 190.6216 | 0.00 | 9,327,403,188,439 | 0 |
| 3/1/91 | 598.00 | 10.50 | 193.8634 | 0.00 | 9,486,032,494,365 | 0 |
| 11/3/84 | 599.00 | 10.50 | 194.1876 | 0.10 | 9,501,895,424,957 | 9,501,895,425 |
| 1/2/07 | 601.00 | 10.40 | 194.8360 | 0.00 | 9,533,621,286,142 | 0 |
| 12/15/85 | 602.00 | 10.40 | 195.1602 | 0.00 | 9,549,484,216,735 | 0 |
| 4/20/95 | 604.00 | 10.40 | 195.8086 | 0.00 | 9,581,210,077,920 | 0 |
| 3/26/99 | 604.00 | 10.40 | 195.8086 | 0.00 | 9,581,210,077,920 | 0 |
| 3/3/02 | 604.00 | 10.40 | 195.8086 | 0.10 | 9,581,210,077,920 | 9,581,210,078 |
| 1/18/10 | 607.00 | 10.30 | 196.7811 | 0.00 | 9,628,798,869,698 | 0 |
| 1/25/91 | 608.00 | 10.30 | 197.1053 | 0.00 | 9,644,661,800,290 | 0 |
| 3/9/98 | 612.00 | 10.30 | 198.4021 | 0.00 | 9,708,113,522,661 | 0 |
| 4/23/08 | 615.00 | 10.30 | 199.3746 | 0.00 | 9,755,702,314,438 | 0 |
| 2/23/98 | 616.00 | 10.30 | 199.6988 | 0.00 | 9,771,565,245,031 | 0 |
| 4/15/07 | 616.00 | 10.30 | 199.6988 | 0.10 | 9,771,565,245,031 | 9,771,565,245 |
| 4/14/07 | 621.00 | 10.20 | 201.3197 | 0.00 | 9,850,879,897,994 | 0 |
| 4/21/09 | 621.00 | 10.20 | 201.3197 | 0.00 | 9,850,879,897,994 | 0 |
| 1/6/90 | 622.00 | 10.20 | 201.6439 | 0.00 | 9,866,742,828,587 | 0 |
| 3/12/94 | 624.00 | 10.20 | 202.2923 | 0.00 | 9,898,468,689,772 | 0 |
| 4/14/94 | 624.00 | 10.20 | 202.2923 | 0.10 | 9,898,468,689,772 | 9,898,468,690 |
| 2/9/83 | 627.00 | 10.10 | 203.2649 | 0.00 | 9,946,057,481,549 | 0 |
| 3/16/95 | 630.00 | 10.10 | 204.2374 | 0.00 | 9,993,646,273,327 | 0 |
| 11/2/84 | 632.00 | 10.10 | 204.8858 | 0.00 | 10,025,372,134,512 | 0 |
| 12/18/94 | 633.00 | 10.10 | 205.2100 | 0.00 | 10,041,235,065,105 | 0 |
| 12/29/94 | 633.00 | 10.10 | 205.2100 | 0.00 | 10,041,235,065,105 | 0 |
| 3/20/03 | 633.00 | 10.10 | 205.2100 | 0.10 | 10,041,235,065,105 | 10,041,235,065 |
| 1/1/90 | 635.00 | 10.00 | 205.8583 | 0.00 | 10,072,960,926,290 | 0 |
| 2/14/10 | 635.00 | 10.00 | 205.8583 | 0.00 | 10,072,960,926,290 | 0 |
| 4/8/84 | 637.00 | 10.00 | 206.5067 | 0.00 | 10,104,686,787,475 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/26/97 | 638.00 | 10.00 | 206.8309 | 0.10 | 10,120,549,718,068 | 10,120,549,718 |
| 3/17/93 | 642.00 | 9.90 | 208.1276 | 0.00 | 10,184,001,440,438 | 0 |
| 2/16/04 | 647.00 | 9.90 | 209.7486 | 0.00 | 10,263,316,093,401 | 0 |
| 2/17/01 | 650.00 | 9.90 | 210.7211 | 0.00 | 10,310,904,885,179 | 0 |
| 4/14/09 | 651.00 | 9.90 | 211.0453 | 0.00 | 10,326,767,815,771 | 0 |
| 2/21/83 | 653.00 | 9.90 | 211.6937 | 0.00 | 10,358,493,676,957 | 0 |
| 11/4/04 | 653.00 | 9.90 | 211.6937 | 0.00 | 10,358,493,676,957 | 0 |
| 1/17/07 | 653.00 | 9.90 | 211.6937 | 0.10 | 10,358,493,676,957 | 10,358,493,677 |
| 2/28/97 | 661.00 | 9.80 | 214.2872 | 0.00 | 10,485,397,121,697 | 0 |
| 4/4/84 | 662.00 | 9.80 | 214.6114 | 0.00 | 10,501,260,052,290 | 0 |
| 3/31/99 | 666.00 | 9.80 | 215.9081 | 0.10 | 10,564,711,774,660 | 10,564,711,775 |
| 11/21/04 | 667.00 | 9.70 | 216.2323 | 0.00 | 10,580,574,705,253 | 0 |
| 11/7/06 | 667.00 | 9.70 | 216.2323 | 0.00 | 10,580,574,705,253 | 0 |
| 2/19/91 | 670.00 | 9.70 | 217.2049 | 0.00 | 10,628,163,497,031 | 0 |
| 3/2/94 | 671.00 | 9.70 | 217.5291 | 0.00 | 10,644,026,427,623 | 0 |
| 1/23/90 | 685.00 | 9.70 | 222.0677 | 0.00 | 10,866,107,455,919 | 0 |
| 1/4/07 | 685.00 | 9.70 | 222.0677 | 0.10 | 10,866,107,455,919 | 10,866,107,456 |
| 4/7/93 | 686.00 | 9.60 | 222.3918 | 0.00 | 10,881,970,386,512 | 0 |
| 2/2/05 | 687.00 | 9.60 | 222.7160 | 0.00 | 10,897,833,317,104 | 0 |
| 11/3/02 | 688.00 | 9.60 | 223.0402 | 0.00 | 10,913,696,247,697 | 0 |
| 3/29/90 | 689.00 | 9.60 | 223.3644 | 0.00 | 10,929,559,178,290 | 0 |
| 2/28/98 | 689.00 | 9.60 | 223.3644 | 0.10 | 10,929,559,178,290 | 10,929,559,178 |
| 2/24/91 | 691.00 | 9.50 | 224.0128 | 0.00 | 10,961,285,039,475 | 0 |
| 2/27/92 | 691.00 | 9.50 | 224.0128 | 0.00 | 10,961,285,039,475 | 0 |
| 4/24/82 | 694.00 | 9.50 | 224.9853 | 0.00 | 11,008,873,831,253 | 0 |
| 11/22/92 | 695.00 | 9.50 | 225.3095 | 0.00 | 11,024,736,761,845 | 0 |
| 3/5/03 | 696.00 | 9.50 | 225.6337 | 0.10 | 11,040,599,692,438 | 11,040,599,692 |
| 4/3/84 | 699.00 | 9.40 | 226.6063 | 0.00 | 11,088,188,484,215 | 0 |
| 3/3/85 | 702.00 | 9.40 | 227.5788 | 0.00 | 11,135,777,275,993 | 0 |
| 3/14/03 | 702.00 | 9.40 | 227.5788 | 0.00 | 11,135,777,275,993 | 0 |
| 1/31/83 | 706.00 | 9.40 | 228.8756 | 0.00 | 11,199,228,998,364 | 0 |
| 12/31/89 | 709.00 | 9.40 | 229.8481 | 0.10 | 11,246,817,790,141 | 11,246,817,790 |
| 3/26/83 | 711.00 | 9.30 | 230.4965 | 0.00 | 11,278,543,651,326 | 0 |
| 2/15/84 | 711.00 | 9.30 | 230.4965 | 0.00 | 11,278,543,651,326 | 0 |
| 2/12/06 | 711.00 | 9.30 | 230.4965 | 0.00 | 11,278,543,651,326 | 0 |
| 2/18/82 | 713.00 | 9.30 | 231.1449 | 0.00 | 11,310,269,512,512 | 0 |
| 3/12/93 | 713.00 | 9.30 | 231.1449 | 0.10 | 11,310,269,512,512 | 11,310,269,513 |
| 2/7/92 | 714.00 | 9.20 | 231.4691 | 0.00 | 11,326,132,443,104 | 0 |
| 2/22/94 | 714.00 | 9.20 | 231.4691 | 0.00 | 11,326,132,443,104 | 0 |
| 1/13/05 | 719.00 | 9.20 | 233.0900 | 0.00 | 11,405,447,096,067 | 0 |
| 1/12/92 | 720.00 | 9.20 | 233.4142 | 0.00 | 11,421,310,026,660 | 0 |
| 1/4/91 | 721.00 | 9.20 | 233.7384 | 0.10 | 11,437,172,957,252 | 11,437,172,957 |
| 3/27/83 | 723.00 | 9.10 | 234.3867 | 0.00 | 11,468,898,818,437 | 0 |
| 1/29/97 | 723.00 | 9.10 | 234.3867 | 0.00 | 11,468,898,818,437 | 0 |
| 2/24/05 | 723.00 | 9.10 | 234.3867 | 0.00 | 11,468,898,818,437 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/22/08 | 725.00 | 9.10 | 235.0351 | 0.00 | 11,500,624,679,623 | 0 |
| 11/26/04 | 726.00 | 9.10 | 235.3593 | 0.10 | 11,516,487,610,215 | 11,516,487,610 |
| 1/28/97 | 730.00 | 9.00 | 236.6560 | 0.00 | 11,579,939,332,586 | 0 |
| 12/30/94 | 731.00 | 9.00 | 236.9802 | 0.00 | 11,595,802,263,178 | 0 |
| 4/15/80 | 734.00 | 9.00 | 237.9528 | 0.00 | 11,643,391,054,956 | 0 |
| 2/12/80 | 735.00 | 9.00 | 238.2770 | 0.00 | 11,659,253,985,548 | 0 |
| 2/17/98 | 736.00 | 9.00 | 238.6012 | 0.00 | 11,675,116,916,141 | 0 |
| 3/3/93 | 737.00 | 9.00 | 238.9254 | 0.00 | 11,690,979,846,734 | 0 |
| 12/16/94 | 737.00 | 9.00 | 238.9254 | 0.10 | 11,690,979,846,734 | 11,690,979,847 |
| 1/11/01 | 740.00 | 8.90 | 239.8979 | 0.00 | 11,738,568,638,511 | 0 |
| 1/14/92 | 741.00 | 8.90 | 240.2221 | 0.00 | 11,754,431,569,104 | 0 |
| 2/20/02 | 741.00 | 8.90 | 240.2221 | 0.00 | 11,754,431,569,104 | 0 |
| 3/3/91 | 742.00 | 8.90 | 240.5463 | 0.10 | 11,770,294,499,697 | 11,770,294,500 |
| 3/27/97 | 744.00 | 8.80 | 241.1947 | 0.00 | 11,802,020,360,882 | 0 |
| 11/13/08 | 748.00 | 8.80 | 242.4914 | 0.00 | 11,865,472,083,252 | 0 |
| 11/9/00 | 749.00 | 8.80 | 242.8156 | 0.00 | 11,881,335,013,845 | 0 |
| 1/20/89 | 753.00 | 8.80 | 244.1123 | 0.00 | 11,944,786,736,215 | 0 |
| 3/27/80 | 754.00 | 8.80 | 244.4365 | 0.00 | 11,960,649,666,808 | 0 |
| 2/14/07 | 754.00 | 8.80 | 244.4365 | 0.10 | 11,960,649,666,808 | 11,960,649,667 |
| 4/6/99 | 756.00 | 8.70 | 245.0849 | 0.00 | 11,992,375,527,993 | 0 |
| 4/13/95 | 758.00 | 8.70 | 245.7333 | 0.00 | 12,024,101,389,178 | 0 |
| 2/12/97 | 758.00 | 8.70 | 245.7333 | 0.00 | 12,024,101,389,178 | 0 |
| 1/17/91 | 760.00 | 8.70 | 246.3816 | 0.00 | 12,055,827,250,363 | 0 |
| 2/26/98 | 760.00 | 8.70 | 246.3816 | 0.10 | 12,055,827,250,363 | 12,055,827,250 |
| 2/11/94 | 762.00 | 8.60 | 247.0300 | 0.00 | 12,087,553,111,548 | 0 |
| 2/11/05 | 767.00 | 8.60 | 248.6509 | 0.00 | 12,166,867,764,511 | 0 |
| 1/18/89 | 768.00 | 8.60 | 248.9751 | 0.00 | 12,182,730,695,104 | 0 |
| 2/25/92 | 776.00 | 8.60 | 251.5686 | 0.00 | 12,309,634,139,844 | 0 |
| 12/25/01 | 776.00 | 8.60 | 251.5686 | 0.10 | 12,309,634,139,844 | 12,309,634,140 |
| 2/24/83 | 777.00 | 8.50 | 251.8928 | 0.00 | 12,325,497,070,437 | 0 |
| 1/21/95 | 777.00 | 8.50 | 251.8928 | 0.00 | 12,325,497,070,437 | 0 |
| 1/8/90 | 778.00 | 8.50 | 252.2170 | 0.00 | 12,341,360,001,030 | 0 |
| 1/13/95 | 779.00 | 8.50 | 252.5412 | 0.00 | 12,357,222,931,622 | 0 |
| 11/12/08 | 779.00 | 8.50 | 252.5412 | 0.10 | 12,357,222,931,622 | 12,357,222,932 |
| 11/27/83 | 781.00 | 8.40 | 253.1896 | 0.00 | 12,388,948,792,807 | 0 |
| 3/18/98 | 790.00 | 8.40 | 256.1072 | 0.00 | 12,531,715,168,140 | 0 |
| 1/18/92 | 793.00 | 8.40 | 257.0798 | 0.00 | 12,579,303,959,918 | 0 |
| 12/25/92 | 797.00 | 8.40 | 258.3765 | 0.00 | 12,642,755,682,289 | 0 |
| 1/21/07 | 799.00 | 8.40 | 259.0249 | 0.10 | 12,674,481,543,474 | 12,674,481,543 |
| 2/10/10 | 801.00 | 8.30 | 259.6733 | 0.00 | 12,706,207,404,659 | 0 |
| 1/7/09 | 804.00 | 8.30 | 260.6458 | 0.00 | 12,753,796,196,437 | 0 |
| 4/7/94 | 808.00 | 8.30 | 261.9426 | 0.00 | 12,817,247,918,807 | 0 |
| 12/23/04 | 814.00 | 8.30 | 263.8877 | 0.00 | 12,912,425,502,362 | 0 |
| 3/29/01 | 816.00 | 8.30 | 264.5361 | 0.10 | 12,944,151,363,548 | 12,944,151,364 |
| 12/17/92 | 817.00 | 8.20 | 264.8603 | 0.00 | 12,960,014,294,140 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/15/99 | 820.00 | 8.20 | 265.8328 | 0.00 | 13,007,603,085,918 | 0 |
| 1/2/83 | 821.00 | 8.20 | 266.1570 | 0.00 | 13,023,466,016,511 | 0 |
| 3/2/93 | 823.00 | 8.20 | 266.8054 | 0.00 | 13,055,191,877,696 | 0 |
| 3/21/80 | 826.00 | 8.20 | 267.7779 | 0.10 | 13,102,780,669,473 | 13,102,780,669 |
| 12/12/83 | 829.00 | 8.10 | 268.7505 | 0.00 | 13,150,369,461,251 | 0 |
| 1/24/80 | 833.00 | 8.10 | 270.0472 | 0.00 | 13,213,821,183,622 | 0 |
| 1/27/94 | 834.00 | 8.10 | 270.3714 | 0.00 | 13,229,684,114,214 | 0 |
| 11/19/03 | 834.00 | 8.10 | 270.3714 | 0.00 | 13,229,684,114,214 | 0 |
| 1/4/99 | 836.00 | 8.10 | 271.0198 | 0.10 | 13,261,409,975,399 | 13,261,409,975 |
| 1/19/93 | 837.00 | 8.00 | 271.3440 | 0.00 | 13,277,272,905,992 | 0 |
| 12/28/00 | 838.00 | 8.00 | 271.6682 | 0.00 | 13,293,135,836,584 | 0 |
| 1/14/05 | 842.00 | 8.00 | 272.9649 | 0.00 | 13,356,587,558,955 | 0 |
| 3/21/85 | 843.00 | 8.00 | 273.2891 | 0.00 | 13,372,450,489,547 | 0 |
| 11/28/82 | 844.00 | 8.00 | 273.6133 | 0.00 | 13,388,313,420,140 | 0 |
| 3/2/01 | 844.00 | 8.00 | 273.6133 | 0.10 | 13,388,313,420,140 | 13,388,313,420 |
| 2/27/84 | 850.00 | 7.90 | 275.5584 | 0.00 | 13,483,491,003,695 | 0 |
| 1/30/10 | 851.00 | 7.90 | 275.8826 | 0.00 | 13,499,353,934,288 | 0 |
| 4/14/91 | 858.00 | 7.90 | 278.1519 | 0.00 | 13,610,394,448,436 | 0 |
| 12/15/82 | 864.00 | 7.90 | 280.0970 | 0.00 | 13,705,572,031,992 | 0 |
| 2/27/85 | 865.00 | 7.90 | 280.4212 | 0.10 | 13,721,434,962,584 | 13,721,434,963 |
| 4/9/84 | 866.00 | 7.80 | 280.7454 | 0.00 | 13,737,297,893,177 | 0 |
| 1/12/01 | 866.00 | 7.80 | 280.7454 | 0.00 | 13,737,297,893,177 | 0 |
| 2/25/05 | 870.00 | 7.80 | 282.0421 | 0.00 | 13,800,749,615,547 | 0 |
| 2/22/92 | 871.00 | 7.80 | 282.3663 | 0.00 | 13,816,612,546,140 | 0 |
| 12/11/83 | 875.00 | 7.80 | 283.6631 | 0.00 | 13,880,064,268,510 | 0 |
| 12/12/08 | 875.00 | 7.80 | 283.6631 | 0.10 | 13,880,064,268,510 | 13,880,064,269 |
| 4/11/91 | 882.00 | 7.70 | 285.9324 | 0.00 | 13,991,104,782,658 | 0 |
| 3/24/93 | 886.00 | 7.70 | 287.2291 | 0.00 | 14,054,556,505,028 | 0 |
| 1/14/95 | 886.00 | 7.70 | 287.2291 | 0.00 | 14,054,556,505,028 | 0 |
| 1/20/91 | 895.00 | 7.70 | 290.1468 | 0.10 | 14,197,322,880,362 | 14,197,322,880 |
| 1/13/91 | 899.00 | 7.60 | 291.4435 | 0.00 | 14,260,774,602,732 | 0 |
| 3/26/97 | 899.00 | 7.60 | 291.4435 | 0.00 | 14,260,774,602,732 | 0 |
| 2/5/90 | 908.00 | 7.60 | 294.3612 | 0.00 | 14,403,540,978,065 | 0 |
| 4/6/08 | 908.00 | 7.60 | 294.3612 | 0.00 | 14,403,540,978,065 | 0 |
| 11/18/03 | 914.00 | 7.60 | 296.3063 | 0.10 | 14,498,718,561,621 | 14,498,718,562 |
| 4/1/90 | 919.00 | 7.50 | 297.9273 | 0.00 | 14,578,033,214,584 | 0 |
| 1/3/91 | 922.00 | 7.50 | 298.8998 | 0.00 | 14,625,622,006,361 | 0 |
| 12/15/92 | 922.00 | 7.50 | 298.8998 | 0.00 | 14,625,622,006,361 | 0 |
| 1/22/07 | 922.00 | 7.50 | 298.8998 | 0.00 | 14,625,622,006,361 | 0 |
| 3/3/10 | 922.00 | 7.50 | 298.8998 | 0.10 | 14,625,622,006,361 | 14,625,622,006 |
| 12/16/01 | 924.00 | 7.40 | 299.5482 | 0.00 | 14,657,347,867,547 | 0 |
| 12/17/96 | 926.00 | 7.40 | 300.1966 | 0.00 | 14,689,073,728,732 | 0 |
| 12/6/83 | 930.00 | 7.40 | 301.4933 | 0.00 | 14,752,525,451,102 | 0 |
| 4/13/80 | 932.00 | 7.40 | 302.1417 | 0.00 | 14,784,251,312,287 | 0 |
| 3/9/95 | 939.00 | 7.40 | 304.4110 | 0.00 | 14,895,291,826,435 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/13/07 | 942.00 | 7.40 | 305.3836 | 0.10 | 14,942,880,618,213 | 14,942,880,618 |
| 12/16/09 | 953.00 | 7.30 | 308.9496 | 0.00 | 15,117,372,854,731 | 0 |
| 1/8/93 | 954.00 | 7.30 | 309.2738 | 0.00 | 15,133,235,785,324 | 0 |
| 2/16/08 | 954.00 | 7.30 | 309.2738 | 0.00 | 15,133,235,785,324 | 0 |
| 3/8/92 | 958.00 | 7.30 | 310.5705 | 0.00 | 15,196,687,507,694 | 0 |
| 2/11/98 | 959.00 | 7.30 | 310.8947 | 0.10 | 15,212,550,438,287 | 15,212,550,438 |
| 11/30/04 | 967.00 | 7.20 | 313.4882 | 0.00 | 15,339,453,883,028 | 0 |
| 2/14/05 | 967.00 | 7.20 | 313.4882 | 0.00 | 15,339,453,883,028 | 0 |
| 3/3/89 | 969.00 | 7.20 | 314.1366 | 0.00 | 15,371,179,744,213 | 0 |
| 2/6/10 | 973.00 | 7.20 | 315.4333 | 0.00 | 15,434,631,466,583 | 0 |
| 2/23/90 | 975.00 | 7.20 | 316.0817 | 0.10 | 15,466,357,327,768 | 15,466,357,328 |
| 3/23/89 | 978.00 | 7.10 | 317.0543 | 0.00 | 15,513,946,119,546 | 0 |
| 12/5/82 | 980.00 | 7.10 | 317.7026 | 0.00 | 15,545,671,980,731 | 0 |
| 3/8/98 | 984.00 | 7.10 | 318.9994 | 0.00 | 15,609,123,703,102 | 0 |
| 1/7/90 | 987.00 | 7.10 | 319.9719 | 0.00 | 15,656,712,494,879 | 0 |
| 12/8/04 | 993.00 | 7.10 | 321.9171 | 0.10 | 15,751,890,078,435 | 15,751,890,078 |
| 1/27/90 | 995.00 | 7.00 | 322.5654 | 0.00 | 15,783,615,939,620 | 0 |
| 3/22/06 | 996.00 | 7.00 | 322.8896 | 0.00 | 15,799,478,870,213 | 0 |
| 4/12/05 | 998.00 | 7.00 | 323.5380 | 0.00 | 15,831,204,731,398 | 0 |
| 3/15/95 | 999.00 | 7.00 | 323.8622 | 0.00 | 15,847,067,661,990 | 0 |
| 2/12/83 | 1,000.00 | 7.00 | 324.1864 | 0.00 | 15,862,930,592,583 | 0 |
| 2/3/06 | 1,000.00 | 7.00 | 324.1864 | 0.00 | 15,862,930,592,583 | 0 |
| 3/20/06 | 1,000.00 | 7.00 | 324.1864 | 0.10 | 15,862,930,592,583 | 15,862,930,593 |
| 4/1/80 | 1,010.00 | 6.90 | 327.4282 | 0.00 | 16,021,559,898,509 | 0 |
| 12/5/02 | 1,010.00 | 6.90 | 327.4282 | 0.00 | 16,021,559,898,509 | 0 |
| 2/8/05 | 1,010.00 | 6.90 | 327.4282 | 0.00 | 16,021,559,898,509 | 0 |
| 2/26/06 | 1,010.00 | 6.90 | 327.4282 | 0.10 | 16,021,559,898,509 | 16,021,559,899 |
| 3/27/89 | 1,020.00 | 6.80 | 330.6701 | 0.00 | 16,180,189,204,435 | 0 |
| 12/12/01 | 1,020.00 | 6.80 | 330.6701 | 0.00 | 16,180,189,204,435 | 0 |
| 12/14/02 | 1,020.00 | 6.80 | 330.6701 | 0.00 | 16,180,189,204,435 | 0 |
| 12/15/09 | 1,020.00 | 6.80 | 330.6701 | 0.00 | 16,180,189,204,435 | 0 |
| 12/2/82 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 2/7/83 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 3/2/91 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 3/13/97 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 1/17/01 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 3/19/03 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 12/26/09 | 1,030.00 | 6.80 | 333.9120 | 0.00 | 16,338,818,510,360 | 0 |
| 2/4/10 | 1,030.00 | 6.80 | 333.9120 | 0.20 | 16,338,818,510,360 | 32,677,637,021 |
| 12/30/82 | 1,040.00 | 6.60 | 337.1538 | 0.00 | 16,497,447,816,286 | 0 |
| 4/4/93 | 1,040.00 | 6.60 | 337.1538 | 0.00 | 16,497,447,816,286 | 0 |
| 2/12/10 | 1,040.00 | 6.60 | 337.1538 | 0.10 | 16,497,447,816,286 | 16,497,447,816 |
| 4/22/95 | 1,050.00 | 6.50 | 340.3957 | 0.00 | 16,656,077,122,212 | 0 |
| 12/16/82 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 4/18/91 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/29/91 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 4/6/94 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 12/11/98 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 1/18/01 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 4/5/08 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 1/17/10 | 1,060.00 | 6.50 | 343.6375 | 0.00 | 16,814,706,428,138 | 0 |
| 2/13/10 | 1,060.00 | 6.50 | 343.6375 | 0.20 | 16,814,706,428,138 | 33,629,412,856 |
| 11/24/83 | 1,070.00 | 6.30 | 346.8794 | 0.00 | 16,973,335,734,064 | 0 |
| 12/24/92 | 1,070.00 | 6.30 | 346.8794 | 0.00 | 16,973,335,734,064 | 0 |
| 3/9/01 | 1,070.00 | 6.30 | 346.8794 | 0.00 | 16,973,335,734,064 | 0 |
| 4/25/03 | 1,070.00 | 6.30 | 346.8794 | 0.00 | 16,973,335,734,064 | 0 |
| 2/25/04 | 1,070.00 | 6.30 | 346.8794 | 0.00 | 16,973,335,734,064 | 0 |
| 2/9/10 | 1,070.00 | 6.30 | 346.8794 | 0.10 | 16,973,335,734,064 | 16,973,335,734 |
| 2/22/89 | 1,080.00 | 6.20 | 350.1213 | 0.00 | 17,131,965,039,990 | 0 |
| 1/30/01 | 1,080.00 | 6.20 | 350.1213 | 0.00 | 17,131,965,039,990 | 0 |
| 12/18/01 | 1,080.00 | 6.20 | 350.1213 | 0.00 | 17,131,965,039,990 | 0 |
| 3/28/89 | 1,090.00 | 6.20 | 353.3631 | 0.00 | 17,290,594,345,915 | 0 |
| 1/24/90 | 1,090.00 | 6.20 | 353.3631 | 0.00 | 17,290,594,345,915 | 0 |
| 1/28/92 | 1,090.00 | 6.20 | 353.3631 | 0.00 | 17,290,594,345,915 | 0 |
| 3/13/93 | 1,090.00 | 6.20 | 353.3631 | 0.00 | 17,290,594,345,915 | 0 |
| 3/14/01 | 1,090.00 | 6.20 | 353.3631 | 0.00 | 17,290,594,345,915 | 0 |
| 11/28/03 | 1,090.00 | 6.20 | 353.3631 | 0.10 | 17,290,594,345,915 | 17,290,594,346 |
| 11/28/83 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 1/25/84 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 3/10/01 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 3/2/02 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 2/26/04 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 12/7/04 | 1,100.00 | 6.10 | 356.6050 | 0.00 | 17,449,223,651,841 | 0 |
| 1/6/07 | 1,100.00 | 6.10 | 356.6050 | 0.20 | 17,449,223,651,841 | 34,898,447,304 |
| 11/23/83 | 1,110.00 | 5.90 | 359.8469 | 0.00 | 17,607,852,957,767 | 0 |
| 3/14/95 | 1,110.00 | 5.90 | 359.8469 | 0.00 | 17,607,852,957,767 | 0 |
| 4/20/91 | 1,120.00 | 5.90 | 363.0887 | 0.00 | 17,766,482,263,693 | 0 |
| 1/30/04 | 1,120.00 | 5.90 | 363.0887 | 0.00 | 17,766,482,263,693 | 0 |
| 2/2/06 | 1,120.00 | 5.90 | 363.0887 | 0.10 | 17,766,482,263,693 | 17,766,482,264 |
| 2/22/90 | 1,130.00 | 5.80 | 366.3306 | 0.00 | 17,925,111,569,619 | 0 |
| 3/4/03 | 1,130.00 | 5.80 | 366.3306 | 0.00 | 17,925,111,569,619 | 0 |
| 12/1/82 | 1,140.00 | 5.80 | 369.5725 | 0.00 | 18,083,740,875,544 | 0 |
| 1/19/89 | 1,140.00 | 5.80 | 369.5725 | 0.00 | 18,083,740,875,544 | 0 |
| 1/7/99 | 1,140.00 | 5.80 | 369.5725 | 0.10 | 18,083,740,875,544 | 18,083,740,876 |
| 4/30/91 | 1,150.00 | 5.70 | 372.8143 | 0.00 | 18,242,370,181,470 | 0 |
| 4/5/00 | 1,150.00 | 5.70 | 372.8143 | 0.00 | 18,242,370,181,470 | 0 |
| 1/22/93 | 1,160.00 | 5.70 | 376.0562 | 0.00 | 18,400,999,487,396 | 0 |
| 4/6/97 | 1,160.00 | 5.70 | 376.0562 | 0.00 | 18,400,999,487,396 | 0 |
| 12/17/01 | 1,160.00 | 5.70 | 376.0562 | 0.00 | 18,400,999,487,396 | 0 |
| 1/16/07 | 1,160.00 | 5.70 | 376.0562 | 0.00 | 18,400,999,487,396 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 4/2/08 | 1,160.00 | 5.70 | 376.0562 | 0.10 | 18,400,999,487,396 | 18,400,999,487 |
| 1/23/80 | 1,170.00 | 5.60 | 379.2980 | 0.00 | 18,559,628,793,322 | 0 |
| 11/13/98 | 1,170.00 | 5.60 | 379.2980 | 0.00 | 18,559,628,793,322 | 0 |
| 2/10/04 | 1,170.00 | 5.60 | 379.2980 | 0.00 | 18,559,628,793,322 | 0 |
| 11/2/04 | 1,170.00 | 5.60 | 379.2980 | 0.10 | 18,559,628,793,322 | 18,559,628,793 |
| 1/31/80 | 1,180.00 | 5.50 | 382.5399 | 0.00 | 18,718,258,099,248 | 0 |
| 3/22/89 | 1,180.00 | 5.50 | 382.5399 | 0.00 | 18,718,258,099,248 | 0 |
| 2/3/83 | 1,190.00 | 5.50 | 385.7818 | 0.00 | 18,876,887,405,174 | 0 |
| 11/28/84 | 1,190.00 | 5.50 | 385.7818 | 0.00 | 18,876,887,405,174 | 0 |
| 2/12/85 | 1,190.00 | 5.50 | 385.7818 | 0.10 | 18,876,887,405,174 | 18,876,887,405 |
| 1/15/91 | 1,200.00 | 5.40 | 389.0236 | 0.00 | 19,035,516,711,099 | 0 |
| 3/12/01 | 1,200.00 | 5.40 | 389.0236 | 0.00 | 19,035,516,711,099 | 0 |
| 1/31/04 | 1,200.00 | 5.40 | 389.0236 | 0.00 | 19,035,516,711,099 | 0 |
| 2/24/03 | 1,210.00 | 5.40 | 392.2655 | 0.00 | 19,194,146,017,025 | 0 |
| 1/26/04 | 1,210.00 | 5.40 | 392.2655 | 0.00 | 19,194,146,017,025 | 0 |
| 11/22/04 | 1,210.00 | 5.40 | 392.2655 | 0.00 | 19,194,146,017,025 | 0 |
| 12/24/09 | 1,210.00 | 5.40 | 392.2655 | 0.00 | 19,194,146,017,025 | 0 |
| 3/2/10 | 1,210.00 | 5.40 | 392.2655 | 0.10 | 19,194,146,017,025 | 19,194,146,017 |
| 1/29/94 | 1,220.00 | 5.30 | 395.5074 | 0.00 | 19,352,775,322,951 | 0 |
| 12/1/04 | 1,220.00 | 5.30 | 395.5074 | 0.00 | 19,352,775,322,951 | 0 |
| 3/16/09 | 1,220.00 | 5.30 | 395.5074 | 0.00 | 19,352,775,322,951 | 0 |
| 4/13/09 | 1,220.00 | 5.30 | 395.5074 | 0.10 | 19,352,775,322,951 | 19,352,775,323 |
| 2/11/85 | 1,230.00 | 5.20 | 398.7492 | 0.00 | 19,511,404,628,877 | 0 |
| 12/14/85 | 1,230.00 | 5.20 | 398.7492 | 0.00 | 19,511,404,628,877 | 0 |
| 2/20/91 | 1,230.00 | 5.20 | 398.7492 | 0.00 | 19,511,404,628,877 | 0 |
| 2/14/04 | 1,230.00 | 5.20 | 398.7492 | 0.00 | 19,511,404,628,877 | 0 |
| 3/28/09 | 1,230.00 | 5.20 | 398.7492 | 0.10 | 19,511,404,628,877 | 19,511,404,629 |
| 1/19/91 | 1,240.00 | 5.10 | 401.9911 | 0.00 | 19,670,033,934,803 | 0 |
| 1/20/92 | 1,240.00 | 5.10 | 401.9911 | 0.00 | 19,670,033,934,803 | 0 |
| 2/16/92 | 1,240.00 | 5.10 | 401.9911 | 0.00 | 19,670,033,934,803 | 0 |
| 3/14/97 | 1,240.00 | 5.10 | 401.9911 | 0.00 | 19,670,033,934,803 | 0 |
| 1/25/04 | 1,240.00 | 5.10 | 401.9911 | 0.10 | 19,670,033,934,803 | 19,670,033,935 |
| 4/1/93 | 1,250.00 | 5.00 | 405.2330 | 0.00 | 19,828,663,240,729 | 0 |
| 2/15/04 | 1,250.00 | 5.00 | 405.2330 | 0.00 | 19,828,663,240,729 | 0 |
| 4/14/80 | 1,260.00 | 5.00 | 408.4748 | 0.00 | 19,987,292,546,654 | 0 |
| 4/18/82 | 1,260.00 | 5.00 | 408.4748 | 0.00 | 19,987,292,546,654 | 0 |
| 1/31/89 | 1,260.00 | 5.00 | 408.4748 | 0.00 | 19,987,292,546,654 | 0 |
| 3/7/95 | 1,260.00 | 5.00 | 408.4748 | 0.10 | 19,987,292,546,654 | 19,987,292,547 |
| 1/13/92 | 1,270.00 | 4.90 | 411.7167 | 0.00 | 20,145,921,852,580 | 0 |
| 2/26/92 | 1,270.00 | 4.90 | 411.7167 | 0.00 | 20,145,921,852,580 | 0 |
| 12/17/94 | 1,270.00 | 4.90 | 411.7167 | 0.10 | 20,145,921,852,580 | 20,145,921,853 |
| 4/5/93 | 1,280.00 | 4.80 | 414.9585 | 0.00 | 20,304,551,158,506 | 0 |
| 2/22/97 | 1,290.00 | 4.80 | 418.2004 | 0.00 | 20,463,180,464,432 | 0 |
| 4/10/02 | 1,290.00 | 4.80 | 418.2004 | 0.00 | 20,463,180,464,432 | 0 |
| 12/22/97 | 1,300.00 | 4.80 | 421.4423 | 0.00 | 20,621,809,770,358 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/17/98 | 1,300.00 | 4.80 | 421.4423 | 0.10 | 20,621,809,770,358 | 20,621,809,770 |
| 2/6/83 | 1,310.00 | 4.70 | 424.6841 | 0.00 | 20,780,439,076,284 | 0 |
| 3/31/93 | 1,310.00 | 4.70 | 424.6841 | 0.00 | 20,780,439,076,284 | 0 |
| 1/29/95 | 1,310.00 | 4.70 | 424.6841 | 0.00 | 20,780,439,076,284 | 0 |
| 4/21/95 | 1,310.00 | 4.70 | 424.6841 | 0.00 | 20,780,439,076,284 | 0 |
| 4/5/97 | 1,320.00 | 4.70 | 427.9260 | 0.00 | 20,939,068,382,209 | 0 |
| 2/18/08 | 1,320.00 | 4.70 | 427.9260 | 0.10 | 20,939,068,382,209 | 20,939,068,382 |
| 12/21/97 | 1,340.00 | 4.60 | 434.4097 | 0.00 | 21,256,326,994,061 | 0 |
| 1/23/98 | 1,340.00 | 4.60 | 434.4097 | 0.00 | 21,256,326,994,061 | 0 |
| 4/27/80 | 1,350.00 | 4.60 | 437.6516 | 0.00 | 21,414,956,299,987 | 0 |
| 2/24/94 | 1,350.00 | 4.60 | 437.6516 | 0.10 | 21,414,956,299,987 | 21,414,956,300 |
| 1/16/91 | 1,360.00 | 4.50 | 440.8935 | 0.00 | 21,573,585,605,913 | 0 |
| 2/27/98 | 1,360.00 | 4.50 | 440.8935 | 0.00 | 21,573,585,605,913 | 0 |
| 12/23/97 | 1,370.00 | 4.50 | 444.1353 | 0.00 | 21,732,214,911,839 | 0 |
| 12/11/08 | 1,380.00 | 4.50 | 447.3772 | 0.00 | 21,890,844,217,764 | 0 |
| 1/30/89 | 1,390.00 | 4.50 | 450.6190 | 0.00 | 22,049,473,523,690 | 0 |
| 1/31/90 | 1,390.00 | 4.50 | 450.6190 | 0.00 | 22,049,473,523,690 | 0 |
| 2/15/97 | 1,390.00 | 4.50 | 450.6190 | 0.00 | 22,049,473,523,690 | 0 |
| 4/8/02 | 1,390.00 | 4.50 | 450.6190 | 0.00 | 22,049,473,523,690 | 0 |
| 11/3/04 | 1,390.00 | 4.50 | 450.6190 | 0.10 | 22,049,473,523,690 | 22,049,473,524 |
| 12/3/82 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 3/2/85 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 3/31/89 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 2/2/90 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 4/25/95 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 3/16/01 | 1,400.00 | 4.40 | 453.8609 | 0.00 | 22,208,102,829,616 | 0 |
| 12/13/02 | 1,400.00 | 4.40 | 453.8609 | 0.20 | 22,208,102,829,616 | 44,416,205,659 |
| 11/27/84 | 1,410.00 | 4.20 | 457.1028 | 0.00 | 22,366,732,135,542 | 0 |
| 2/24/92 | 1,410.00 | 4.20 | 457.1028 | 0.00 | 22,366,732,135,542 | 0 |
| 11/23/04 | 1,410.00 | 4.20 | 457.1028 | 0.00 | 22,366,732,135,542 | 0 |
| 1/24/84 | 1,420.00 | 4.20 | 460.3446 | 0.00 | 22,525,361,441,468 | 0 |
| 2/21/91 | 1,420.00 | 4.20 | 460.3446 | 0.00 | 22,525,361,441,468 | 0 |
| 2/6/92 | 1,420.00 | 4.20 | 460.3446 | 0.00 | 22,525,361,441,468 | 0 |
| 11/17/98 | 1,420.00 | 4.20 | 460.3446 | 0.10 | 22,525,361,441,468 | 22,525,361,441 |
| 2/11/06 | 1,430.00 | 4.10 | 463.5865 | 0.00 | 22,683,990,747,394 | 0 |
| 2/21/97 | 1,440.00 | 4.10 | 466.8284 | 0.00 | 22,842,620,053,319 | 0 |
| 1/20/01 | 1,440.00 | 4.10 | 466.8284 | 0.00 | 22,842,620,053,319 | 0 |
| 2/7/02 | 1,440.00 | 4.10 | 466.8284 | 0.10 | 22,842,620,053,319 | 22,842,620,053 |
| 4/17/82 | 1,450.00 | 4.00 | 470.0702 | 0.00 | 23,001,249,359,245 | 0 |
| 4/13/91 | 1,450.00 | 4.00 | 470.0702 | 0.00 | 23,001,249,359,245 | 0 |
| 12/16/92 | 1,450.00 | 4.00 | 470.0702 | 0.00 | 23,001,249,359,245 | 0 |
| 2/17/82 | 1,460.00 | 4.00 | 473.3121 | 0.00 | 23,159,878,665,171 | 0 |
| 4/19/91 | 1,460.00 | 4.00 | 473.3121 | 0.00 | 23,159,878,665,171 | 0 |
| 1/6/98 | 1,460.00 | 4.00 | 473.3121 | 0.10 | 23,159,878,665,171 | 23,159,878,665 |
| 1/9/99 | 1,470.00 | 3.90 | 476.5540 | 0.00 | 23,318,507,971,097 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 2/6/02 | 1,470.00 | 3.90 | 476.5540 | 0.00 | 23,318,507,971,097 | 0 |
| 3/25/83 | 1,490.00 | 3.90 | 483.0377 | 0.00 | 23,635,766,582,948 | 0 |
| 1/2/99 | 1,490.00 | 3.90 | 483.0377 | 0.10 | 23,635,766,582,948 | 23,635,766,583 |
| 12/4/82 | 1,500.00 | 3.80 | 486.2795 | 0.00 | 23,794,395,888,874 | 0 |
| 4/16/91 | 1,500.00 | 3.80 | 486.2795 | 0.00 | 23,794,395,888,874 | 0 |
| 1/5/07 | 1,500.00 | 3.80 | 486.2795 | 0.00 | 23,794,395,888,874 | 0 |
| 2/5/92 | 1,510.00 | 3.80 | 489.5214 | 0.00 | 23,953,025,194,800 | 0 |
| 3/23/93 | 1,510.00 | 3.80 | 489.5214 | 0.00 | 23,953,025,194,800 | 0 |
| 3/5/01 | 1,510.00 | 3.80 | 489.5214 | 0.00 | 23,953,025,194,800 | 0 |
| 12/10/08 | 1,510.00 | 3.80 | 489.5214 | 0.10 | 23,953,025,194,800 | 23,953,025,195 |
| 4/5/99 | 1,520.00 | 3.70 | 492.7633 | 0.00 | 24,111,654,500,726 | 0 |
| 4/26/80 | 1,530.00 | 3.70 | 496.0051 | 0.00 | 24,270,283,806,652 | 0 |
| 1/3/99 | 1,530.00 | 3.70 | 496.0051 | 0.10 | 24,270,283,806,652 | 24,270,283,807 |
| 3/1/85 | 1,540.00 | 3.60 | 499.2470 | 0.00 | 24,428,913,112,578 | 0 |
| 1/12/89 | 1,550.00 | 3.60 | 502.4889 | 0.00 | 24,587,542,418,503 | 0 |
| 2/23/83 | 1,560.00 | 3.60 | 505.7307 | 0.00 | 24,746,171,724,429 | 0 |
| 2/7/86 | 1,560.00 | 3.60 | 505.7307 | 0.00 | 24,746,171,724,429 | 0 |
| 2/21/89 | 1,560.00 | 3.60 | 505.7307 | 0.00 | 24,746,171,724,429 | 0 |
| 1/19/90 | 1,560.00 | 3.60 | 505.7307 | 0.00 | 24,746,171,724,429 | 0 |
| 2/27/97 | 1,560.00 | 3.60 | 505.7307 | 0.10 | 24,746,171,724,429 | 24,746,171,724 |
| 3/8/95 | 1,570.00 | 3.50 | 508.9726 | 0.00 | 24,904,801,030,355 | 0 |
| 3/13/01 | 1,570.00 | 3.50 | 508.9726 | 0.00 | 24,904,801,030,355 | 0 |
| 12/24/01 | 1,570.00 | 3.50 | 508.9726 | 0.10 | 24,904,801,030,355 | 24,904,801,030 |
| 12/23/01 | 1,590.00 | 3.40 | 515.4563 | 0.00 | 25,222,059,642,207 | 0 |
| 2/13/92 | 1,600.00 | 3.40 | 518.6982 | 0.00 | 25,380,688,948,133 | 0 |
| 4/13/94 | 1,610.00 | 3.40 | 521.9400 | 0.00 | 25,539,318,254,058 | 0 |
| 3/31/90 | 1,620.00 | 3.40 | 525.1819 | 0.00 | 25,697,947,559,984 | 0 |
| 1/16/89 | 1,630.00 | 3.40 | 528.4238 | 0.00 | 25,856,576,865,910 | 0 |
| 2/3/90 | 1,630.00 | 3.40 | 528.4238 | 0.00 | 25,856,576,865,910 | 0 |
| 11/25/04 | 1,630.00 | 3.40 | 528.4238 | 0.10 | 25,856,576,865,910 | 25,856,576,866 |
| 2/4/90 | 1,640.00 | 3.30 | 531.6656 | 0.00 | 26,015,206,171,836 | 0 |
| 4/12/94 | 1,650.00 | 3.30 | 534.9075 | 0.00 | 26,173,835,477,762 | 0 |
| 1/2/03 | 1,650.00 | 3.30 | 534.9075 | 0.10 | 26,173,835,477,762 | 26,173,835,478 |
| 2/5/86 | 1,660.00 | 3.20 | 538.1494 | 0.00 | 26,332,464,783,688 | 0 |
| 2/23/91 | 1,660.00 | 3.20 | 538.1494 | 0.00 | 26,332,464,783,688 | 0 |
| 1/19/92 | 1,660.00 | 3.20 | 538.1494 | 0.00 | 26,332,464,783,688 | 0 |
| 12/14/98 | 1,660.00 | 3.20 | 538.1494 | 0.00 | 26,332,464,783,688 | 0 |
| 2/5/10 | 1,660.00 | 3.20 | 538.1494 | 0.00 | 26,332,464,783,688 | 0 |
| 3/21/06 | 1,670.00 | 3.20 | 541.3912 | 0.10 | 26,491,094,089,613 | 26,491,094,090 |
| 12/25/09 | 1,680.00 | 3.10 | 544.6331 | 0.00 | 26,649,723,395,539 | 0 |
| 2/22/83 | 1,700.00 | 3.10 | 551.1168 | 0.00 | 26,966,982,007,391 | 0 |
| 1/19/01 | 1,700.00 | 3.10 | 551.1168 | 0.00 | 26,966,982,007,391 | 0 |
| 3/29/89 | 1,710.00 | 3.10 | 554.3587 | 0.00 | 27,125,611,313,317 | 0 |
| 1/28/94 | 1,710.00 | 3.10 | 554.3587 | 0.10 | 27,125,611,313,317 | 27,125,611,313 |
| 2/23/92 | 1,720.00 | 3.00 | 557.6005 | 0.00 | 27,284,240,619,243 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 12/12/85 | 1,740.00 | 3.00 | 564.0843 | 0.00 | 27,601,499,231,094 | 0 |
| 3/30/90 | 1,740.00 | 3.00 | 564.0843 | 0.00 | 27,601,499,231,094 | 0 |
| 4/12/95 | 1,740.00 | 3.00 | 564.0843 | 0.00 | 27,601,499,231,094 | 0 |
| 4/15/91 | 1,750.00 | 3.00 | 567.3261 | 0.00 | 27,760,128,537,020 | 0 |
| 12/26/02 | 1,750.00 | 3.00 | 567.3261 | 0.10 | 27,760,128,537,020 | 27,760,128,537 |
| 2/25/97 | 1,760.00 | 2.90 | 570.5680 | 0.00 | 27,918,757,842,946 | 0 |
| 12/25/97 | 1,760.00 | 2.90 | 570.5680 | 0.00 | 27,918,757,842,946 | 0 |
| 2/23/94 | 1,770.00 | 2.90 | 573.8099 | 0.00 | 28,077,387,148,872 | 0 |
| 2/26/97 | 1,780.00 | 2.90 | 577.0517 | 0.00 | 28,236,016,454,797 | 0 |
| 2/10/05 | 1,780.00 | 2.90 | 577.0517 | 0.10 | 28,236,016,454,797 | 28,236,016,455 |
| 1/9/98 | 1,790.00 | 2.80 | 580.2936 | 0.00 | 28,394,645,760,723 | 0 |
| 4/3/00 | 1,790.00 | 2.80 | 580.2936 | 0.00 | 28,394,645,760,723 | 0 |
| 3/15/01 | 1,800.00 | 2.80 | 583.5355 | 0.00 | 28,553,275,066,649 | 0 |
| 4/4/00 | 1,810.00 | 2.80 | 586.7773 | 0.10 | 28,711,904,372,575 | 28,711,904,373 |
| 3/24/83 | 1,820.00 | 2.70 | 590.0192 | 0.00 | 28,870,533,678,501 | 0 |
| 3/30/89 | 1,820.00 | 2.70 | 590.0192 | 0.00 | 28,870,533,678,501 | 0 |
| 1/21/93 | 1,820.00 | 2.70 | 590.0192 | 0.00 | 28,870,533,678,501 | 0 |
| 11/7/02 | 1,820.00 | 2.70 | 590.0192 | 0.00 | 28,870,533,678,501 | 0 |
| 2/1/99 | 1,830.00 | 2.70 | 593.2610 | 0.00 | 29,029,162,984,427 | 0 |
| 11/27/03 | 1,830.00 | 2.70 | 593.2610 | 0.10 | 29,029,162,984,427 | 29,029,162,984 |
| 11/1/85 | 1,840.00 | 2.60 | 596.5029 | 0.00 | 29,187,792,290,352 | 0 |
| 3/9/94 | 1,850.00 | 2.60 | 599.7448 | 0.00 | 29,346,421,596,278 | 0 |
| 1/22/98 | 1,860.00 | 2.60 | 602.9866 | 0.00 | 29,505,050,902,204 | 0 |
| 4/4/99 | 1,870.00 | 2.60 | 606.2285 | 0.00 | 29,663,680,208,130 | 0 |
| 2/11/83 | 1,890.00 | 2.60 | 612.7122 | 0.00 | 29,980,938,819,982 | 0 |
| 4/12/91 | 1,890.00 | 2.60 | 612.7122 | 0.00 | 29,980,938,819,982 | 0 |
| 12/1/01 | 1,890.00 | 2.60 | 612.7122 | 0.10 | 29,980,938,819,982 | 29,980,938,820 |
| 2/17/08 | 1,900.00 | 2.50 | 615.9541 | 0.00 | 30,139,568,125,907 | 0 |
| 11/1/09 | 1,900.00 | 2.50 | 615.9541 | 0.00 | 30,139,568,125,907 | 0 |
| 1/28/95 | 1,910.00 | 2.50 | 619.1960 | 0.10 | 30,298,197,431,833 | 30,298,197,432 |
| 4/9/02 | 1,920.00 | 2.40 | 622.4378 | 0.00 | 30,456,826,737,759 | 0 |
| 4/23/95 | 1,930.00 | 2.40 | 625.6797 | 0.00 | 30,615,456,043,685 | 0 |
| 1/20/93 | 1,940.00 | 2.40 | 628.9215 | 0.00 | 30,774,085,349,611 | 0 |
| 3/15/09 | 1,940.00 | 2.40 | 628.9215 | 0.00 | 30,774,085,349,611 | 0 |
| 4/18/09 | 1,970.00 | 2.40 | 638.6471 | 0.10 | 31,249,973,267,388 | 31,249,973,267 |
| 2/22/91 | 1,990.00 | 2.30 | 645.1309 | 0.00 | 31,567,231,879,240 | 0 |
| 4/10/93 | 1,990.00 | 2.30 | 645.1309 | 0.00 | 31,567,231,879,240 | 0 |
| 4/11/95 | 1,990.00 | 2.30 | 645.1309 | 0.00 | 31,567,231,879,240 | 0 |
| 3/26/09 | 1,990.00 | 2.30 | 645.1309 | 0.00 | 31,567,231,879,240 | 0 |
| 4/24/95 | 2,000.00 | 2.30 | 648.3727 | 0.00 | 31,725,861,185,166 | 0 |
| 4/30/06 | 2,000.00 | 2.30 | 648.3727 | 0.10 | 31,725,861,185,166 | 31,725,861,185 |
| 2/14/92 | 2,010.00 | 2.20 | 651.6146 | 0.00 | 31,884,490,491,092 | 0 |
| 12/13/85 | 2,050.00 | 2.20 | 664.5820 | 0.00 | 32,519,007,714,795 | 0 |
| 3/5/92 | 2,060.00 | 2.20 | 667.8239 | 0.00 | 32,677,637,020,721 | 0 |
| 2/10/83 | 2,080.00 | 2.20 | 674.3076 | 0.00 | 32,994,895,632,572 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 3/7/84 | 2,080.00 | 2.20 | 674.3076 | 0.00 | 32,994,895,632,572 | 0 |
| 1/18/95 | 2,080.00 | 2.20 | 674.3076 | 0.00 | 32,994,895,632,572 | 0 |
| 1/27/95 | 2,080.00 | 2.20 | 674.3076 | 0.00 | 32,994,895,632,572 | 0 |
| 4/20/09 | 2,080.00 | 2.20 | 674.3076 | 0.10 | 32,994,895,632,572 | 32,994,895,633 |
| 11/24/04 | 2,090.00 | 2.10 | 677.5495 | 0.00 | 33,153,524,938,498 | 0 |
| 1/8/99 | 2,100.00 | 2.10 | 680.7914 | 0.10 | 33,312,154,244,424 | 33,312,154,244 |
| 2/26/85 | 2,130.00 | 2.00 | 690.5170 | 0.00 | 33,788,042,162,202 | 0 |
| 11/4/02 | 2,140.00 | 2.00 | 693.7588 | 0.00 | 33,946,671,468,127 | 0 |
| 3/3/01 | 2,150.00 | 2.00 | 697.0007 | 0.00 | 34,105,300,774,053 | 0 |
| 3/14/09 | 2,150.00 | 2.00 | 697.0007 | 0.00 | 34,105,300,774,053 | 0 |
| 3/27/09 | 2,150.00 | 2.00 | 697.0007 | 0.10 | 34,105,300,774,053 | 34,105,300,774 |
| 4/23/82 | 2,160.00 | 1.90 | 700.2425 | 0.00 | 34,263,930,079,979 | 0 |
| 1/10/91 | 2,160.00 | 1.90 | 700.2425 | 0.00 | 34,263,930,079,979 | 0 |
| 4/21/82 | 2,180.00 | 1.90 | 706.7263 | 0.00 | 34,581,188,691,831 | 0 |
| 3/15/99 | 2,180.00 | 1.90 | 706.7263 | 0.00 | 34,581,188,691,831 | 0 |
| 2/15/92 | 2,190.00 | 1.90 | 709.9681 | 0.10 | 34,739,817,997,756 | 34,739,817,998 |
| 12/24/97 | 2,200.00 | 1.80 | 713.2100 | 0.00 | 34,898,447,303,682 | 0 |
| 3/4/01 | 2,200.00 | 1.80 | 713.2100 | 0.00 | 34,898,447,303,682 | 0 |
| 11/26/00 | 2,210.00 | 1.80 | 716.4519 | 0.00 | 35,057,076,609,608 | 0 |
| 2/16/82 | 2,220.00 | 1.80 | 719.6937 | 0.00 | 35,215,705,915,534 | 0 |
| 2/21/03 | 2,240.00 | 1.80 | 726.1775 | 0.10 | 35,532,964,527,386 | 35,532,964,527 |
| 1/22/90 | 2,250.00 | 1.70 | 729.4193 | 0.00 | 35,691,593,833,311 | 0 |
| 12/31/02 | 2,280.00 | 1.70 | 739.1449 | 0.00 | 36,167,481,751,089 | 0 |
| 12/5/83 | 2,290.00 | 1.70 | 742.3868 | 0.00 | 36,326,111,057,015 | 0 |
| 1/1/03 | 2,360.00 | 1.70 | 765.0798 | 0.00 | 37,436,516,198,496 | 0 |
| 2/11/80 | 2,380.00 | 1.70 | 771.5636 | 0.00 | 37,753,774,810,347 | 0 |
| 12/24/02 | 2,380.00 | 1.70 | 771.5636 | 0.00 | 37,753,774,810,347 | 0 |
| 2/7/04 | 2,380.00 | 1.70 | 771.5636 | 0.00 | 37,753,774,810,347 | 0 |
| 2/9/05 | 2,380.00 | 1.70 | 771.5636 | 0.10 | 37,753,774,810,347 | 37,753,774,810 |
| 3/11/94 | 2,390.00 | 1.60 | 774.8054 | 0.00 | 37,912,404,116,273 | 0 |
| 11/27/01 | 2,390.00 | 1.60 | 774.8054 | 0.00 | 37,912,404,116,273 | 0 |
| 1/30/90 | 2,400.00 | 1.60 | 778.0473 | 0.00 | 38,071,033,422,199 | 0 |
| 1/12/91 | 2,400.00 | 1.60 | 778.0473 | 0.00 | 38,071,033,422,199 | 0 |
| 3/7/92 | 2,400.00 | 1.60 | 778.0473 | 0.10 | 38,071,033,422,199 | 38,071,033,422 |
| 12/26/82 | 2,470.00 | 1.50 | 800.7403 | 0.00 | 39,181,438,563,680 | 0 |
| 2/24/85 | 2,470.00 | 1.50 | 800.7403 | 0.00 | 39,181,438,563,680 | 0 |
| 3/28/80 | 2,500.00 | 1.50 | 810.4659 | 0.10 | 39,657,326,481,457 | 39,657,326,481 |
| 1/29/90 | 2,510.00 | 1.40 | 813.7078 | 0.00 | 39,815,955,787,383 | 0 |
| 1/26/90 | 2,520.00 | 1.40 | 816.9496 | 0.00 | 39,974,585,093,309 | 0 |
| 12/3/83 | 2,540.00 | 1.40 | 823.4334 | 0.00 | 40,291,843,705,160 | 0 |
| 2/13/04 | 2,550.00 | 1.40 | 826.6752 | 0.00 | 40,450,473,011,086 | 0 |
| 2/12/84 | 2,560.00 | 1.40 | 829.9171 | 0.00 | 40,609,102,317,012 | 0 |
| 2/14/84 | 2,560.00 | 1.40 | 829.9171 | 0.00 | 40,609,102,317,012 | 0 |
| 4/19/09 | 2,560.00 | 1.40 | 829.9171 | 0.10 | 40,609,102,317,012 | 40,609,102,317 |
| 1/20/95 | 2,570.00 | 1.30 | 833.1590 | 0.00 | 40,767,731,622,938 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/1/07 | 2,610.00 | 1.30 | 846.1264 | 0.00 | 41,402,248,846,641 | 0 |
| 4/22/82 | 2,630.00 | 1.30 | 852.6101 | 0.10 | 41,719,507,458,493 | 41,719,507,458 |
| 4/1/08 | 2,640.00 | 1.20 | 855.8520 | 0.00 | 41,878,136,764,419 | 0 |
| 2/11/04 | 2,680.00 | 1.20 | 868.8195 | 0.00 | 42,512,653,988,122 | 0 |
| 1/11/91 | 2,710.00 | 1.20 | 878.5451 | 0.00 | 42,988,541,905,900 | 0 |
| 12/13/01 | 2,730.00 | 1.20 | 885.0288 | 0.00 | 43,305,800,517,751 | 0 |
| 3/29/80 | 2,740.00 | 1.20 | 888.2706 | 0.10 | 43,464,429,823,677 | 43,464,429,824 |
| 3/31/80 | 2,750.00 | 1.10 | 891.5125 | 0.00 | 43,623,059,129,603 | 0 |
| 2/25/85 | 2,750.00 | 1.10 | 891.5125 | 0.00 | 43,623,059,129,603 | 0 |
| 2/9/80 | 2,800.00 | 1.10 | 907.7218 | 0.00 | 44,416,205,659,232 | 0 |
| 11/24/00 | 2,810.00 | 1.10 | 910.9637 | 0.00 | 44,574,834,965,158 | 0 |
| 2/2/83 | 2,850.00 | 1.10 | 923.9311 | 0.00 | 45,209,352,188,861 | 0 |
| 12/25/02 | 2,850.00 | 1.10 | 923.9311 | 0.10 | 45,209,352,188,861 | 45,209,352,189 |
| 3/6/92 | 2,870.00 | 1.00 | 930.4149 | 0.00 | 45,526,610,800,713 | 0 |
| 3/10/94 | 2,870.00 | 1.00 | 930.4149 | 0.00 | 45,526,610,800,713 | 0 |
| 2/1/83 | 2,890.00 | 1.00 | 936.8986 | 0.00 | 45,843,869,412,564 | 0 |
| 4/8/93 | 2,940.00 | 1.00 | 953.1079 | 0.00 | 46,637,015,942,194 | 0 |
| 2/5/04 | 2,970.00 | 1.00 | 962.8335 | 0.10 | 47,112,903,859,971 | 47,112,903,860 |
| 2/10/80 | 3,000.00 | 0.90 | 972.5591 | 0.00 | 47,588,791,777,749 | 0 |
| 3/5/84 | 3,020.00 | 0.90 | 979.0428 | 0.00 | 47,906,050,389,600 | 0 |
| 2/13/97 | 3,020.00 | 0.90 | 979.0428 | 0.00 | 47,906,050,389,600 | 0 |
| 12/4/83 | 3,040.00 | 0.90 | 985.5266 | 0.00 | 48,223,309,001,452 | 0 |
| 12/15/01 | 3,050.00 | 0.90 | 988.7684 | 0.10 | 48,381,938,307,378 | 48,381,938,307 |
| 2/14/97 | 3,080.00 | 0.80 | 998.4940 | 0.00 | 48,857,826,225,155 | 0 |
| 12/29/82 | 3,190.00 | 0.80 | 1,034.1545 | 0.00 | 50,602,748,590,339 | 0 |
| 11/28/01 | 3,200.00 | 0.80 | 1,037.3964 | 0.00 | 50,761,377,896,265 | 0 |
| 1/15/89 | 3,230.00 | 0.80 | 1,047.1220 | 0.00 | 51,237,265,814,043 | 0 |
| 2/6/86 | 3,290.00 | 0.80 | 1,066.5731 | 0.10 | 52,189,041,649,598 | 52,189,041,650 |
| 12/12/98 | 3,300.00 | 0.70 | 1,069.8150 | 0.00 | 52,347,670,955,523 | 0 |
| 1/25/90 | 3,310.00 | 0.70 | 1,073.0569 | 0.00 | 52,506,300,261,449 | 0 |
| 11/14/98 | 3,320.00 | 0.70 | 1,076.2987 | 0.00 | 52,664,929,567,375 | 0 |
| 3/31/08 | 3,390.00 | 0.70 | 1,098.9918 | 0.00 | 53,775,334,708,856 | 0 |
| 1/19/95 | 3,410.00 | 0.70 | 1,105.4755 | 0.10 | 54,092,593,320,708 | 54,092,593,321 |
| 12/13/98 | 3,440.00 | 0.60 | 1,115.2011 | 0.00 | 54,568,481,238,485 | 0 |
| 4/9/93 | 3,500.00 | 0.60 | 1,134.6523 | 0.00 | 55,520,257,074,040 | 0 |
| 3/6/84 | 3,530.00 | 0.60 | 1,144.3779 | 0.00 | 55,996,144,991,817 | 0 |
| 2/13/84 | 3,580.00 | 0.60 | 1,160.5872 | 0.00 | 56,789,291,521,447 | 0 |
| 11/16/98 | 3,600.00 | 0.60 | 1,167.0709 | 0.00 | 57,106,550,133,298 | 0 |
| 3/30/80 | 3,790.00 | 0.60 | 1,228.6663 | 0.10 | 60,120,506,945,889 | 60,120,506,946 |
| 2/12/04 | 3,900.00 | 0.50 | 1,264.3268 | 0.00 | 61,865,429,311,073 | 0 |
| 3/13/99 | 4,100.00 | 0.50 | 1,329.1641 | 0.00 | 65,038,015,429,590 | 0 |
| 2/6/04 | 4,110.00 | 0.50 | 1,332.4060 | 0.00 | 65,196,644,735,516 | 0 |
| 2/23/03 | 4,130.00 | 0.50 | 1,338.8897 | 0.00 | 65,513,903,347,367 | 0 |
| 11/25/00 | 4,160.00 | 0.50 | 1,348.6153 | 0.10 | 65,989,791,265,145 | 65,989,791,265 |
| 1/20/90 | 4,470.00 | 0.40 | 1,449.1131 | 0.00 | 70,907,299,748,845 | 0 |

| Date | Observed flow (cfs) | Percent exceedance for observed flow | Adjusted flow for entire basin (cfs) | Width for area under curves (%) | Allowable load to meet standard (MPN/day) | Area under TMDL curve (MPN/day) |
|---|---|---|---|---|---|---|
| 1/13/89 | 4,550.00 | 0.40 | 1,475.0480 | 0.00 | 72,176,334,196,252 | 0 |
| 12/14/01 | 4,680.00 | 0.40 | 1,517.1922 | 0.00 | 74,238,515,173,288 | 0 |
| 11/5/02 | 4,910.00 | 0.40 | 1,591.7551 | 0.00 | 77,886,989,209,582 | 0 |
| 1/31/99 | 5,390.00 | 0.40 | 1,747.3645 | 0.10 | 85,501,195,894,022 | 85,501,195,894 |
| 11/6/02 | 5,530.00 | 0.30 | 1,792.7506 | 0.00 | 87,722,006,176,983 | 0 |
| 3/14/99 | 5,630.00 | 0.30 | 1,825.1692 | 0.00 | 89,308,299,236,241 | 0 |
| 1/8/98 | 5,890.00 | 0.30 | 1,909.4577 | 0.00 | 93,432,661,190,313 | 0 |
| 1/21/90 | 5,960.00 | 0.30 | 1,932.1507 | 0.00 | 94,543,066,331,794 | 0 |
| 11/30/01 | 6,000.00 | 0.30 | 1,945.1182 | 0.10 | 95,177,583,555,497 | 95,177,583,555 |
| 2/22/03 | 6,030.00 | 0.20 | 1,954.8438 | 0.00 | 95,653,471,473,275 | 0 |
| 1/29/99 | 6,380.00 | 0.20 | 2,068.3090 | 0.00 | 101,205,497,180,679 | 0 |
| 11/15/98 | 6,580.00 | 0.20 | 2,133.1463 | 0.00 | 104,378,083,299,195 | 0 |
| 1/14/89 | 6,860.00 | 0.20 | 2,223.9185 | 0.00 | 108,819,703,865,118 | 0 |
| 12/27/82 | 7,540.00 | 0.20 | 2,444.3652 | 0.10 | 119,606,496,668,075 | 119,606,496,668 |
| 11/29/01 | 7,840.00 | 0.10 | 2,541.6211 | 0.00 | 124,365,375,845,849 | 0 |
| 12/31/06 | 8,370.00 | 0.10 | 2,713.4399 | 0.00 | 132,772,729,059,918 | 0 |
| 1/7/98 | 8,610.00 | 0.10 | 2,791.2446 | 0.00 | 136,579,832,402,138 | 0 |
| 12/30/06 | 10,000.00 | 0.10 | 3,241.8637 | 0.00 | 158,629,305,925,828 | 0 |
| 12/28/82 | 10,200.00 | 0.10 | 3,306.7009 | 0.10 | 161,801,892,044,345 | 161,801,892,044 |
| 1/30/99 | 13,900.00 | 0.00 | 4,506.1905 | 0.00 | 220,494,735,236,902 | 0 |