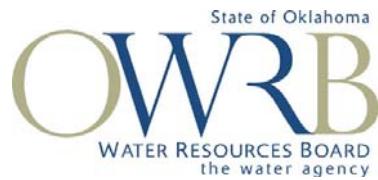


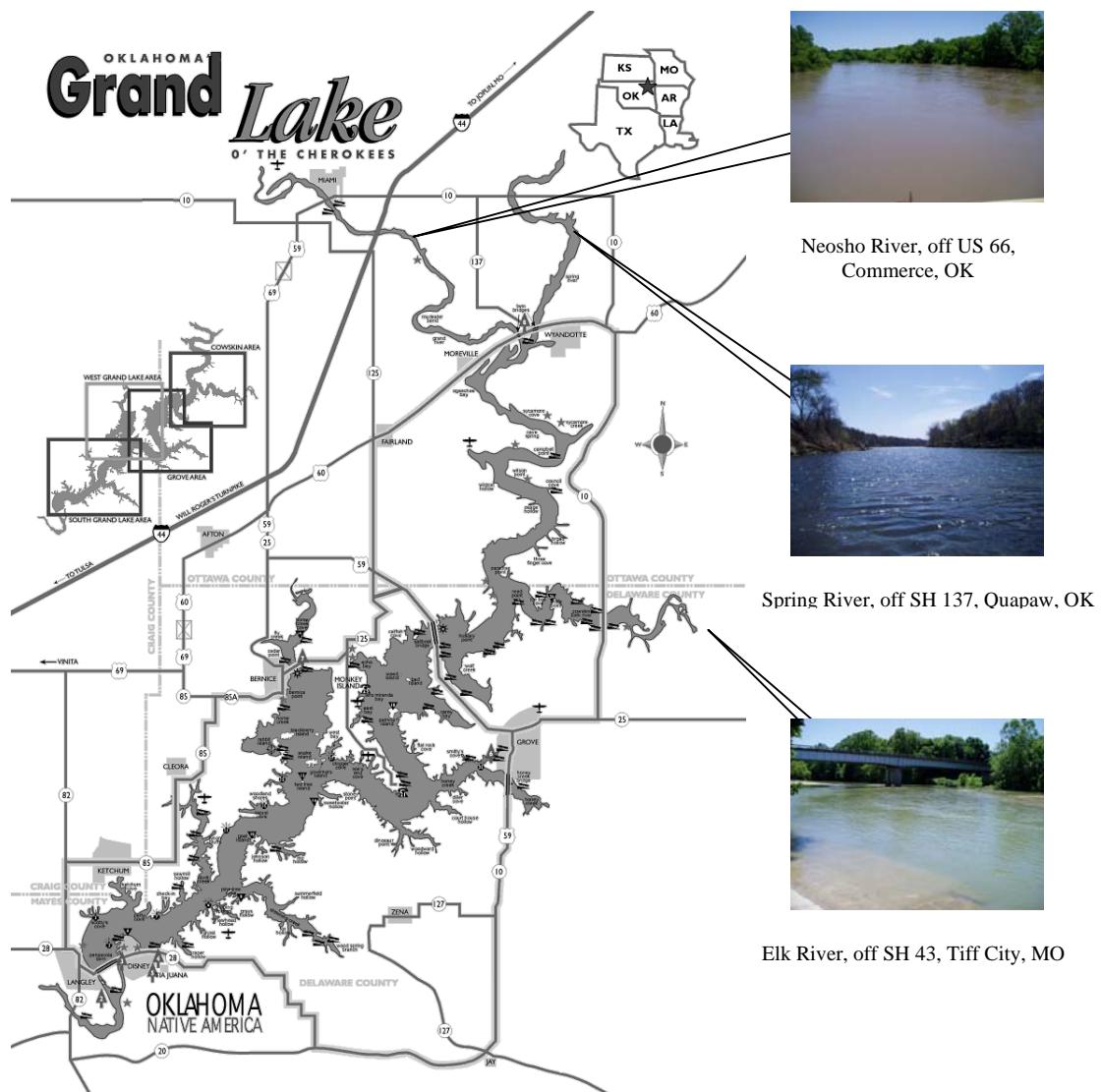


Oklahoma Water Resources Board



FY-01 104(b)(3) Project 4 CA#X-986878-01

Segregating Water Quality Degradation of Grand Lake Between Tributaries and Land Use Features



Oklahoma Water Resources Board
3800 North Classen Boulevard, Oklahoma City, OK 73118

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Executive Summary

Averaged annual nutrient concentrations have decreased over the last 15 years for the Neosho and Spring Rivers while an increase was noted for the Elk River. The Neosho River provides $\frac{1}{2}$ to over $\frac{3}{4}$ of the recharge provided by all three tributaries to Grand Lake. This large inflow also makes the Neosho the primary determinant of loading into Grand Lake. Because of the variance of flow between tributaries, the decreases in concentration for the Spring River has not translated into an overall reduced load to Grand Lake. In short, the risk of cultural eutrophication to the lake from its major tributaries appears unabated. The OWRB's BUMP 2004 assessment concluded Grand Lake was a eutrophic lake with Fish and Wildlife propagation beneficial uses impaired (partially supporting) due to high turbidity and low dissolved oxygen (OWRB 2005). Reported water quality data showed nearly 25% of algae data was indicative of hypereutrophic conditions; manifesting as excessive algae growth. These recent assessments indicate eutrophication is ongoing; the lake can no longer assimilate nutrient loads without dramatic increases in productivity.

Broad based evaluative procedures used in this project indicate non-point source pollutants are the primary determinant of degraded water quality for the three tributaries. The Elk River, with the lowest nutrient concentration of the three sites, shows concentrations increasing to levels consistent with the Neosho and Spring Rivers. The decrease in nutrient levels in Spring River is notable, as urban and agricultural activities have increased over time while water quality seems to have improved. A detailed understanding of how and if a reduction of nutrients in the Spring River basin might yield valuable ideas to apply in the other basins. Nutrient reductions in the Neosho River show the greatest possibility to reduce the risk and impact of cultural eutrophication to Grand Lake by its major tributaries.

Introduction

Grand Lake, located in northeastern Oklahoma, is the third largest lake in Oklahoma with a surface area of 46,500 acres. The total Grand Lake drainage area is 10,331 square miles and covers four states: Kansas, Missouri, Arkansas, and Oklahoma. Grand Lake was formed by the Grand River Dam Authority (GRDA) in 1940 through the construction of the Pensacola Dam on the Grand Neosho River. Grand Lake's designated beneficial uses include public and private water supply, warm water aquatic community, agriculture, municipal and industrial uses, hydroelectric power generation, primary body contact recreation, and aesthetics. The reservoir is the primary drinking water source for numerous communities around the lake. In addition, Grand Lake supports a recreation industry estimated to bring over \$28 million dollars in tourism-related revenues to the Grand Lake area (OK Dept. of Tourism and Recreation 1987).

Land use in the watershed includes agricultural fields (cropland including wheat, sorghum, soybeans, and corn) rangeland, pasture and grassland, forest, rural and urban communities, poultry and dairy operations. The watershed also contains abandoned mining operations. Historically one of the nation's top superfund sites, Tar Creek, is located in the watershed. Discharges from seeps and abandoned mineshafts in this region release hazardous substances, including toxic heavy metals such as lead, cadmium and zinc, as well as other contaminants. In addition to the negative water impacts from Tar Creek, this Superfund site has also contributed to contaminated soils in several small towns in the area. The water quality of Grand Lake and its tributaries have been of concern for more than a decade and considerable resources have been devoted to studying the system in order to address the water quality problems.

A 1995 Oklahoma State University and Oklahoma Water Resources Board (OWRB) Clean Lake Study showed the lake was eutrophic and experiencing nuisance algal blooms in certain areas. The Clean Lakes Study also showed metals contamination in sediments in the upper end of the lake; however, the sediment was shown to not release toxic levels under typical lake conditions. Various studies have indicated biological, chemical, and habitat degradation within different parts of the Grand Lake Watershed.

Fifteen segments associated with Grand Lake and its watershed are listed as Category V Waters (impaired and in need of a TMDL) in Oklahoma's 2002 Integrated Report (ODEQ, 2002). Listing include impaired by low dissolved oxygen, causes unknown, chloride, pathogens, pH, sulfates, TDS, and turbidity. Two streams in Oklahoma are also listed as impaired by metals including lead and zinc. Thirty-five segments in the Grand Lake Basin are listed on the 2002 Kansas 303(d) list as being impaired by low dissolved oxygen, fecal coliform, sulfate, and biological impairment. Twenty segments in the Grand Lake Basin are listed on the Missouri 2002 303(d) list as being impaired by nutrients. Ten lakes in the Grand Lake Basin are also listed on the 2002 Kansas 303(d) list as impaired by eutrophication, siltation, and sulfate. Twenty-three segments are listed on the Arkansas 1998 303(d) list for

heavy metals including copper, mercury, lead, zinc, and cadmium. Two Kansas lakes are also listed as impaired by beryllium and lead.

The following have been the major water quality concerns for the watershed:

- Eutrophication in Grand Lake.
- Excess nutrient loadings from watershed (principally phosphorus and nitrogen).
- Mine drainage.
- Loss of aquatic habitat in streams due to sedimentation.
- Continued decline in water quality (e.g., turbidity, aesthetics, productivity, eutrophication, and unknown toxicity) in the Watershed.
- Pesticide contamination in surface and groundwater.
- Metals contamination.
- Fecal coliform contamination.

The extensive research in the basin identified various sources as having potential impacts on the water resources of the basin. The following potential sources have been identified as contributors to pollutants in the watershed:

- Production of livestock (cattle, hogs, poultry).
- Reduced or poorly maintained riparian zones.
- Stream bank erosion.
- Poorly functioning private septic systems.
- Permitted point source dischargers.
- Improper application and use of fertilizers and pesticides.
- Nutrient and sediment loadings from soil erosion.
- Pasture and Rangeland maintenance.
- Oil and gas exploration activities, plus erosion along pipelines and lease roads and around production pads.
- County road maintenance.
- Crop production activities.
- Mine drainage from abandoned mines.

Considerable efforts have been made to identify the causes and extent of water quality threats and impairments in the basin and extensive work is planned towards identification of sources and remedial efforts for the near future. Previous efforts include studies of Grand Lake and its watershed conducted by the Kansas Department of Health and Environment (KDHE), the Missouri Department of Natural Resources (MDNR), Oklahoma Conservation Commission (OCC), the Oklahoma Department of Environmental Quality (ODEQ), Oklahoma Water Resources Board (OWRB), the U.S. Army Corps of Engineers (USACE), the U.S. Fish and Wildlife Service (USFWS), and the U.S. Geological Survey (USGS), among others. These studies identified the causes, extent, and some of the sources of water quality impairment in the watershed. Additional work includes volunteer and education programs developed by the OWRB, the Grand Lake Association, the Missouri Department of Natural Resources (MDNR), and the Oklahoma Conservation Commission (OCC), and various programs to reduce nonpoint source loading from various sources in the watershed. More work is needed

to characterize extent and magnitude of the sources. Much of this work will be accomplished through the development of Total Maximum Daily Loads (TMDL) for the watershed, due to be completed by the ODEQ within the next couple of years.

While there is widespread concern about water quality impairments in Grand Lake and its watershed, documentation of water quality degradation and its causes has been scattered. This project, funded through EPA FY01 104(b)(3) program, set out to systematically documented water quality trends in the major tributaries in the basin using applicable historical data. Water quality data from the three major tributaries—the Neosho River, Spring River, and Elk River—was compiled and analyzed statistically for water quality trends. As the data allowed, water quality degradation was segregated between sampled tributary sites, between baseflow and surface runoff events, and compared to changes in land use to identify general location and type of sources. This helped determine whether the eutrophication risk to Grand Lake changed since the Diagnostic and Feasibility Phase I Clean Lakes study (OWRB;OSU, 2002). This project also involved updating the Phase I study performed on Grand Lake. The major portions of the Phase I study that were updated included land use, demographics, and the point source assessments.

Methods

Data were collected for all available parameters and time periods using USGS sites Elk River near Tiff City, MO (07189000), Neosho River near Commerce, OK (07185000), and Spring River near Quapaw, OK (7188000). Several agencies contributed to data collection including EPA, MDNR, and USGS. Considerable variation was noted between sites by parameter and time frame. Data reduction started by examining parameters available for all three sites. The parameter list was narrowed to five key parameters where data were available from all three tributaries over a thirty five year time period; chloride (mg/L), flow (cfs), nitrite plus nitrate (mg/L), specific conductance, and total phosphorus (mg/L). Even within this relatively narrow list, considerable variation over time was noted. Because of this variation, a “best fit” was sought for each tributary to split the data into two halves with the first time period approximating the Phase I reporting period: the Elk River Phase I time period is 1969-1990 and present time period is 1991-2005, Neosho River Phase I time period is 1969-1989 and present time period is 2000-2005 and Spring River Phase I time period is 1969-1989 and present time period is 1998-2005. To increase the interpretive value of this project, tributary data were segregated into base and high flow portions using the HYSEP method. In short, the hydrograph was examined to determine whether each sample event was on a rising or declining hydrograph and assigned accordingly. A baseflow sample was considered a sample taken at low flow and represented ground water flow. A surface runoff sample was considered a sample taken during higher flow and was a representative of surface runoff waters. The final transformation of data was to assign a daily load to each available sample event.

A simple substitution was used to replace all the below detection limit values with half the detection limit. Only three of the five parameters had below detection limit values. The table below (Table 1) shows two numbers. The first number is the number of below

detection values that were placed at half the detection level. The second number is the total number of data values.

Table 1. Number of Below Detection Level Values Placed at Half Detection Level

Parameter	Elk River Tributary	Neosho River Tributary	Spring River Tributary
Chloride	32 of 308	23 of 164	4 of 142
Nitrite plus Nitrate	2 of 304	23 of 70	0 of 43
Total Phosphorus	17 of 556	0 of 47	0 of 154

Statistical methods used were the Seasonal Kendall slope estimator for long-term changes in water quality over time. When statistically significant changes were noted, box and whisker plots were used to illustrate how the selected parameter varied between time periods and flow regimes. Results from the analysis were compared against noted changes in climate, land use and point source summaries to suggest reasonable explanations for noted variations in water quality over time.

Results

All compiled data is presented in Appendix A. Significant changes in water quality over time were noted for several parameters. A summary of mean values for each parameter and percent change over time are given for each key parameter (Table 2). Although instructive, conclusions based on averaged values should be used with caution until confirmed using additional statistical procedures. This caution is particularly true for parameters of mass such as flow and total phosphorus load. Finally, the parameter of parameter pH was added, although not a “key” parameter, to serve as “control” or conservative project parameter.

Table 2. Average Parameter Value for Each Time Period and Percent Change

Parameters	Elk			Neosho			Spring		
	Time Period	%	Time Period	%	Time Period	%	Time Period	%	Time Period
pH	1969-1990	7.94	1991-2005	7.99	+ 0.63%	N/A	1969-1989	7.84	N/A
Flow (cfs)		1,026.61		825.86	- 19.56%		3,548.88	3,953.53	+ 10.24%
Specific Conductance		265.06		288.60	+ 8.88%		442.46	364.28	- 17.67%
Chloride (mg/L)		6.07		6.86	+ 13.0%		18.63	8.17	- 56.15%
Nitrite plus Nitrate (mg/L)		1.14		1.59	+ 39.47%		0.67	0.48	- 28.36%
Total Phosphorus (mg/L)		0.08		0.15	+ 87.5%		0.38	0.20	- 47.37%
Total Phosphorus Load (kg/day)		277.07		285.08	+ 2.89%		1,240.89	2,846.90	+ 56.41%

Water Quality

The relative small change in pH for each tributary over time indicates no landscape level changes have occurred greater than geologic influence. An alternative view of this data might be the probability of detecting erroneous (type I error) changes over time are less than if significant pH shifts had been detected.

Flow

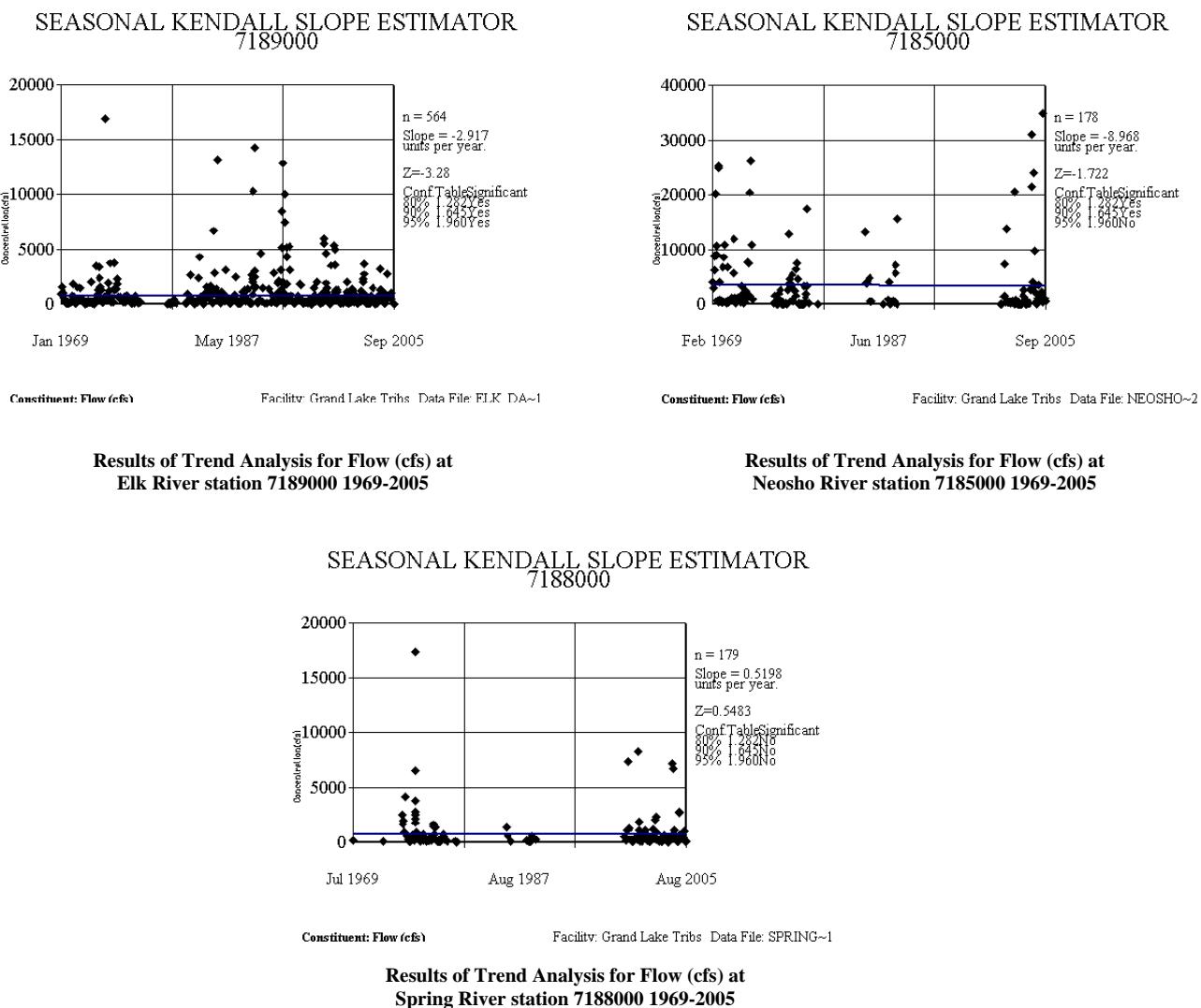
Flow had significant changes over time with distinct variation between tributaries indicating that climatic variability affected each tributary differently (Table 3). Between Phase I and present day, Elk River had a decrease in flow. Neosho River and Spring River had an increase in flow.

Table 3. Average Flow Value for Each Time Period and Percent Change

Parameters	Elk			Neosho			Spring		
	Time Period	%	Time Period	%	Time Period	%			
	1969-1990 1991-2005 + / - / =		1969-1989 2000-2005 + / - / =		1969-1989 1998-2005 + / - / =				
Flow (cfs)	1,026.61 825.86 - 19.56%		3,548.88 3,953.53 + 10.24%		866.57 891.19 + 2.84%				

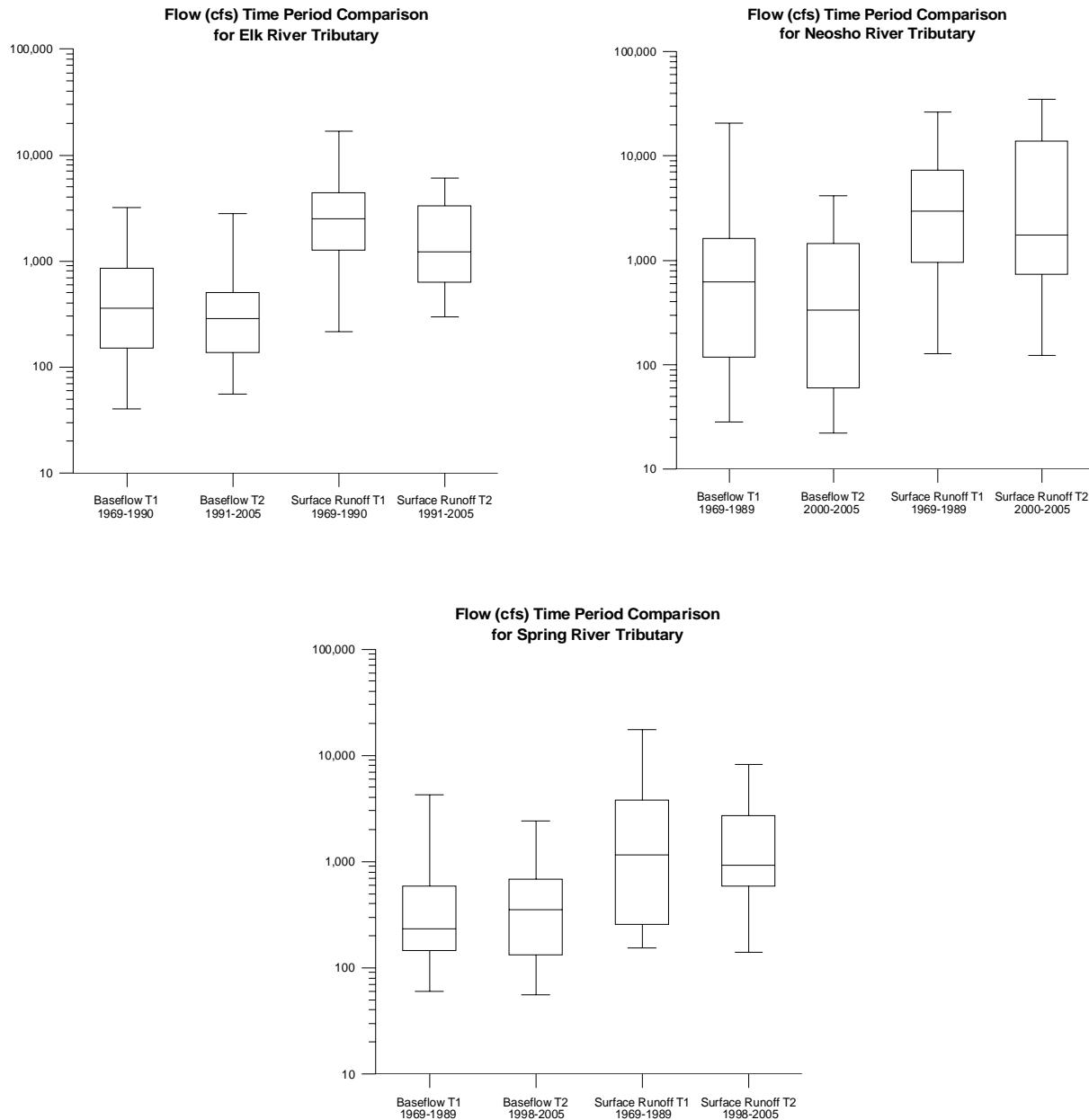
Trend analysis showed during the time period of 1969-2005, flow (cfs) decreased for the Elk River and Neosho River. Neosho River had a lower confidence level of 90%. No significant trend was seen for Spring River (Figure 1).

Figure 1. 1969-2005 Trend Analysis of Flow (cfs) for Elk, Neosho, and Spring River



Flow (cfs) samples were also compared between two different time periods (Phase I and present day using box and whisker plots for samples separated by baseflow and surface runoff (Figure 2). The median for baseflow decreased in the Elk and Neosho River and increased in the Spring River. In a similar fashion, the median for surface runoff decreased in the Elk and Neosho River while flow remained relatively unchanged for the Spring River.

Figure 2. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Flow (cfs) for Elk, Neosho, and Spring River



Specific Conductance

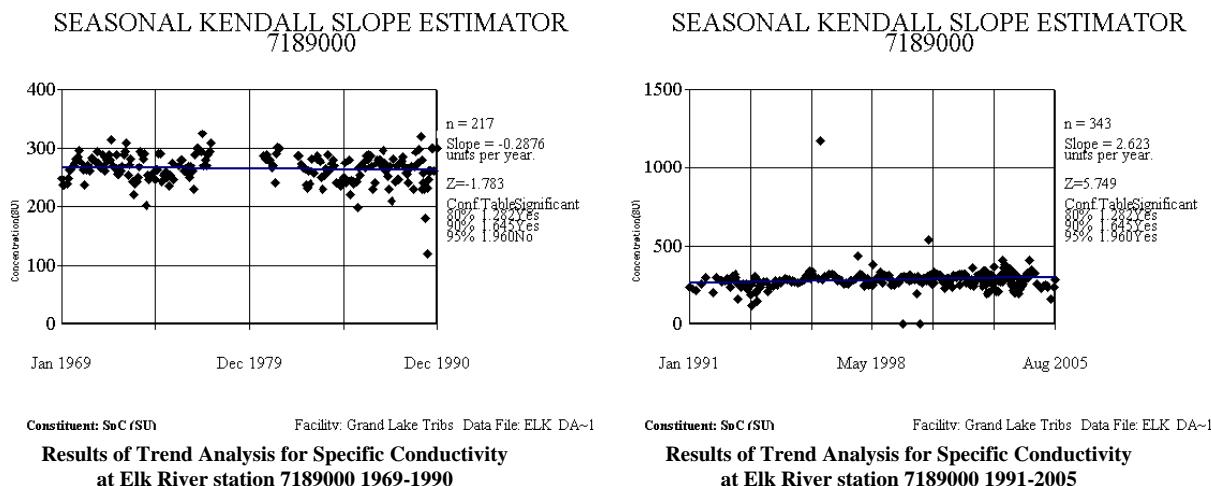
Averaged samples for Phase I time periods and present day showed an inverse relationship to flow with an increase in specific conductance where flow had decreased (Elk River) and a decrease in specific conductance where flow had increased (Neosho River and Spring River) (Table 4).

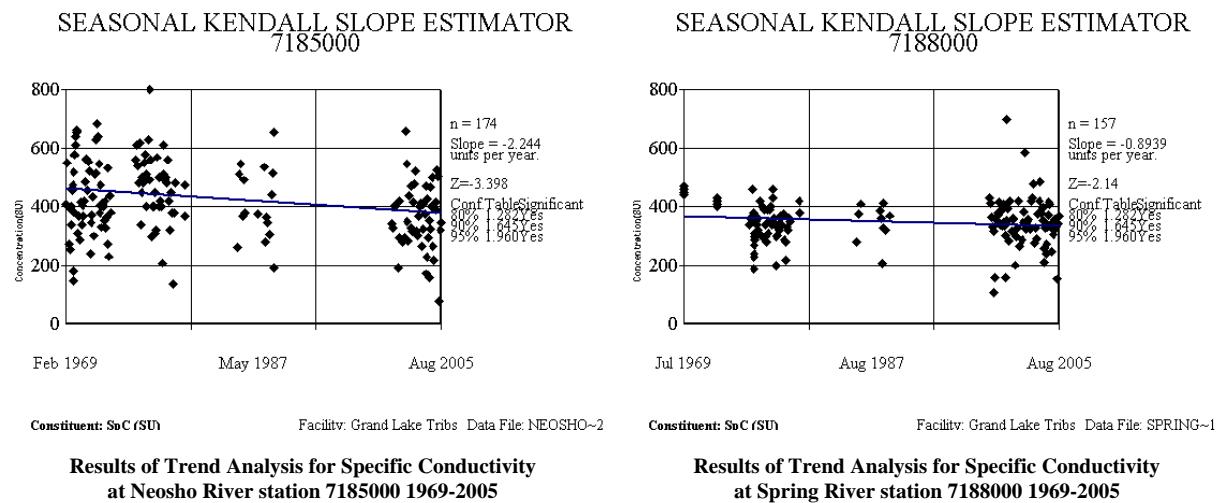
Table 4. Average Specific Conductivity and Flow Value for Each Time Period and Percent Change

Parameters	Elk			Neosho			Spring		
	Time Period	%	Time Period						
	1969-1990	1991-2005	+ / - / =	1969-1989	2000-2005	+ / - / =	1969-1989	1998-2005	+ / - / =
Flow (cfs)	1,026.61	825.86	- 19.56%	3,548.88	3,953.53	+ 10.24%	866.57	891.19	+ 2.84%
Specific Conductance	265.06	288.60	+ 8.88%	442.46	364.28	- 17.67%	355.56	347.27	- 2.33%

Due to the bulk of data points, Elk River specific conductance data was split into two time periods for statistical analysis of trend detection. Trend analysis showed during the time period of 1969-2005, specific conductance decreased in both the Neosho and Spring River. During the 1969-1990 time period, a downward slope in the Elk River was only significant with a 90% confidence with a magnitude of change of 3 units over a ten year period. During the 1991-2005 time period, slope increased with 95% confidence and a magnitude of change of 25 units over a ten year period, roughly ten times greater than that detected in the earlier time period.

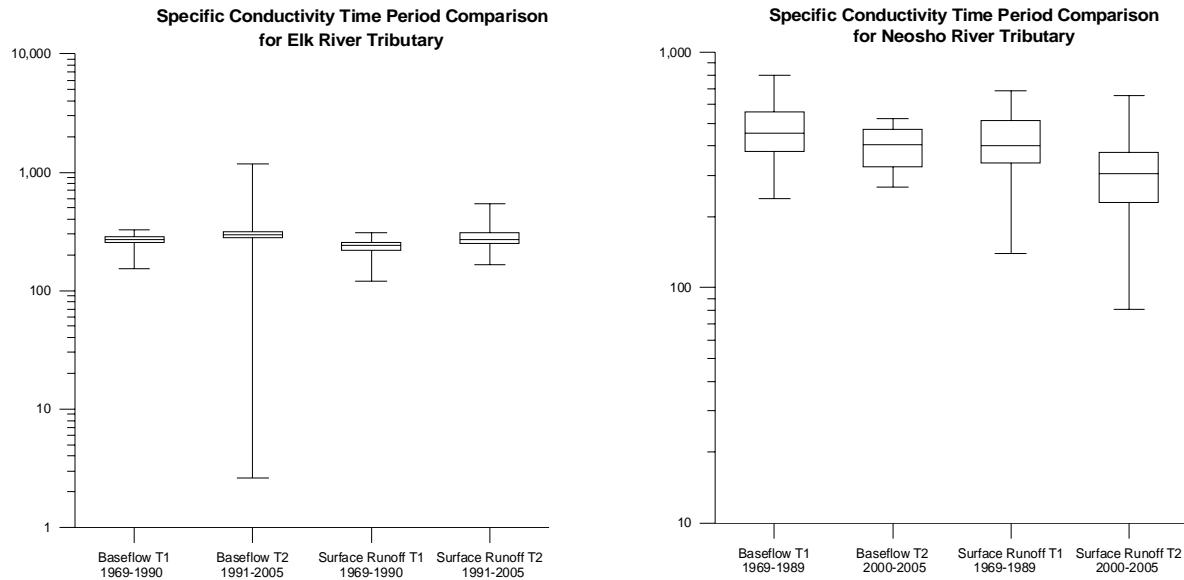
Figure 3. 1969-2005 Trend Analysis of Specific Conductance for Elk, Neosho, and Spring River

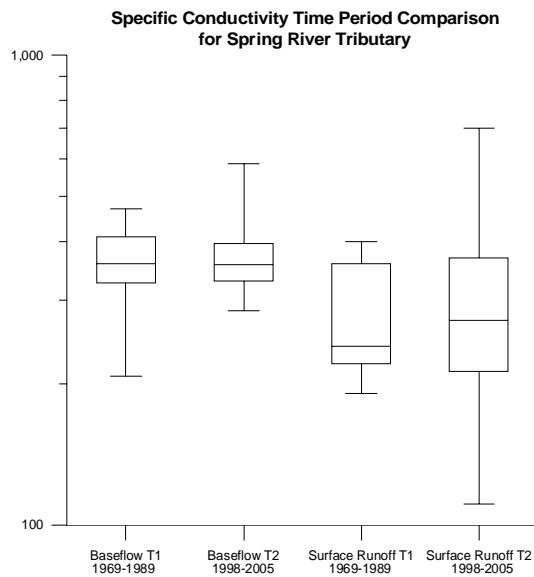




Comparison between two different time periods (Phase I and present day) based on baseflow and surface runoff conditions showed the traditional decrease of specific conductance from base flow to surface runoff conditions as well as differences between time periods for the respective flow regime. The median for baseflow increased in the Elk River and decreased for the Neosho and Spring River. The median for surface runoff increased in the Elk River and decreased in the Neosho and Spring River.

Figure 4. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Specific Conductance for Elk, Neosho, and Spring River





Chloride

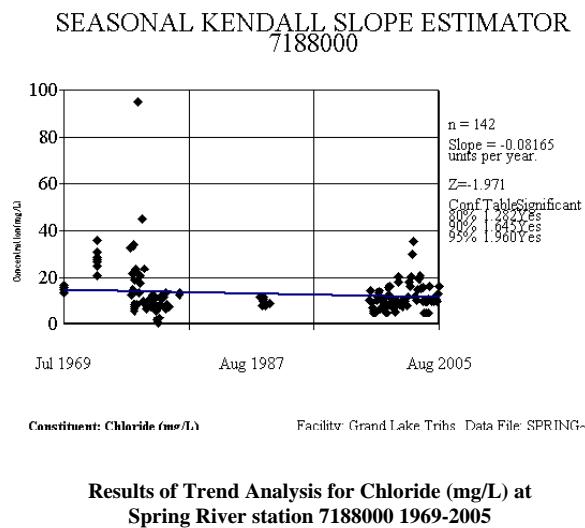
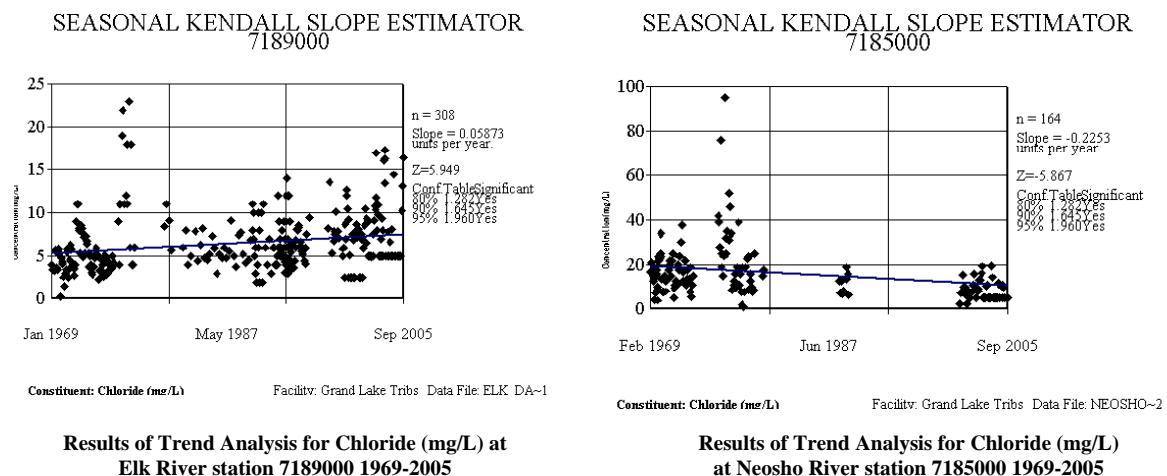
Averaged samples for Phase I time periods and present day showed a decrease of chloride for the Neosho and Spring River and had a decrease in chloride for the Elk River (Table 5). Chloride showed a similar inverse relationship to flow as specific conductance.

Table 5. Average Chloride and Flow Value for Each Time Period and Percent Change

Parameters	Elk			Neosho			Spring		
	Time Period	%	Time Period	%	Time Period	%	Time Period	Time Period	%
Flow (cfs)	1,026.61	825.86	+ / - / = - 19.56%	3,548.88	3,953.53	+ / - / = + 10.24%	866.57	891.19	+ / - / = + 2.84%
Chloride (mg/L)	6.07	6.86	+ / - / = + 13.0%	18.63	8.17	+ / - / = - 56.15%	15.45	11.87	+ / - / = - 23.17%

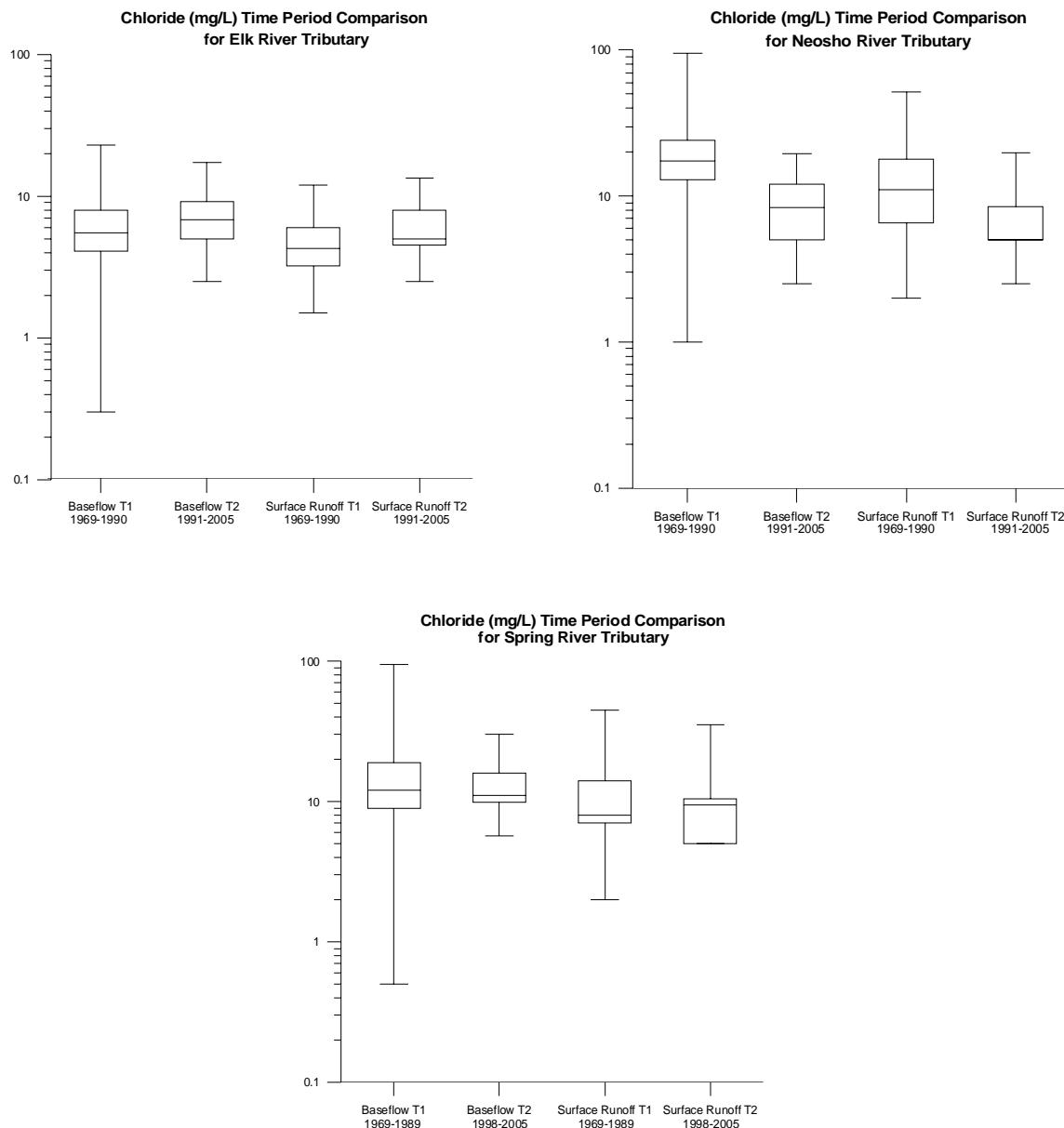
Trend analysis showed during the time period of 1969-2005, chloride (mg/L) substantiated averaged differences seen with decreases for the Neosho and Spring River and a decrease in the Elk River. Although every site showed statistical significance, it was the Neosho River that had the greatest magnitude of change of 2.3 mg/L decrease over ten years while the increase at the Elk River was approximately 0.6 mg/L over ten years and the decrease at the Spring River approximated 0.8 mg/L over ten years (Figure 5).

Figure 5. 1969-2005 Trend Analysis of Chloride for Elk, Neosho, and Spring River



Comparison of chloride between two different time periods (Phase I and present day) and flow regimes (baseflow and surface runoff) seemed to mirror that seen for specific conductance. Median baseflow chloride seemed to increase in the Elk River, definitely decrease in the Neosho River, and stayed approximately the same for the Spring River. The median for surface runoff may have increased over time for the Elk and Spring Rivers and while the Neosho River showed relatively large decreases over time (Figure 6).

Figure 6. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Chloride for Elk, Neosho, and Spring River



Nitrite plus Nitrate

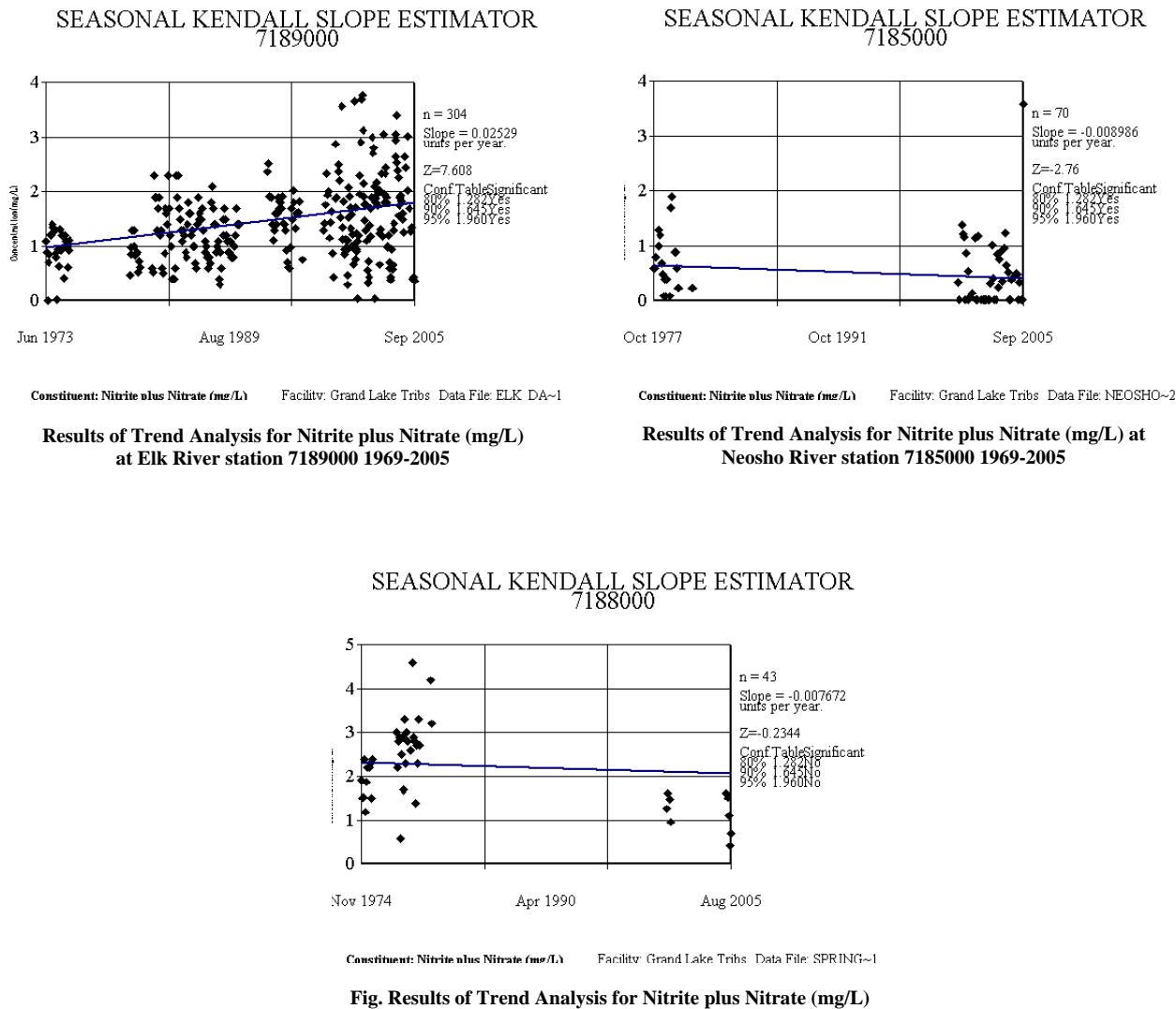
Averaged samples for Phase I time periods and present day generally showed an inverse relationship with flow (Table 6). The greatest magnitude of change (over 50% decrease) occurred within the site where no statistically significant variance of flow was noted, the Spring River. Absolute values for each site varied as did the magnitude of change.

Table 6. Average Nitrite plus Nitrate and Flow Value for Each Time Period and Percent Change

Parameters	Elk			Neosho			Spring			
	Time Period	%	Time Period	%	Time Period	%	Time Period	%	Time Period	
Flow (cfs)	1969-1990	1,026.61	1991-2005	825.86	+ / - / =	1969-1989	3,548.88	2000-2005	3,953.53	+ 10.24%
Nitrite plus Nitrate (mg/L)		1.14		1.59	+ 39.47%		0.67		0.48	- 28.36%

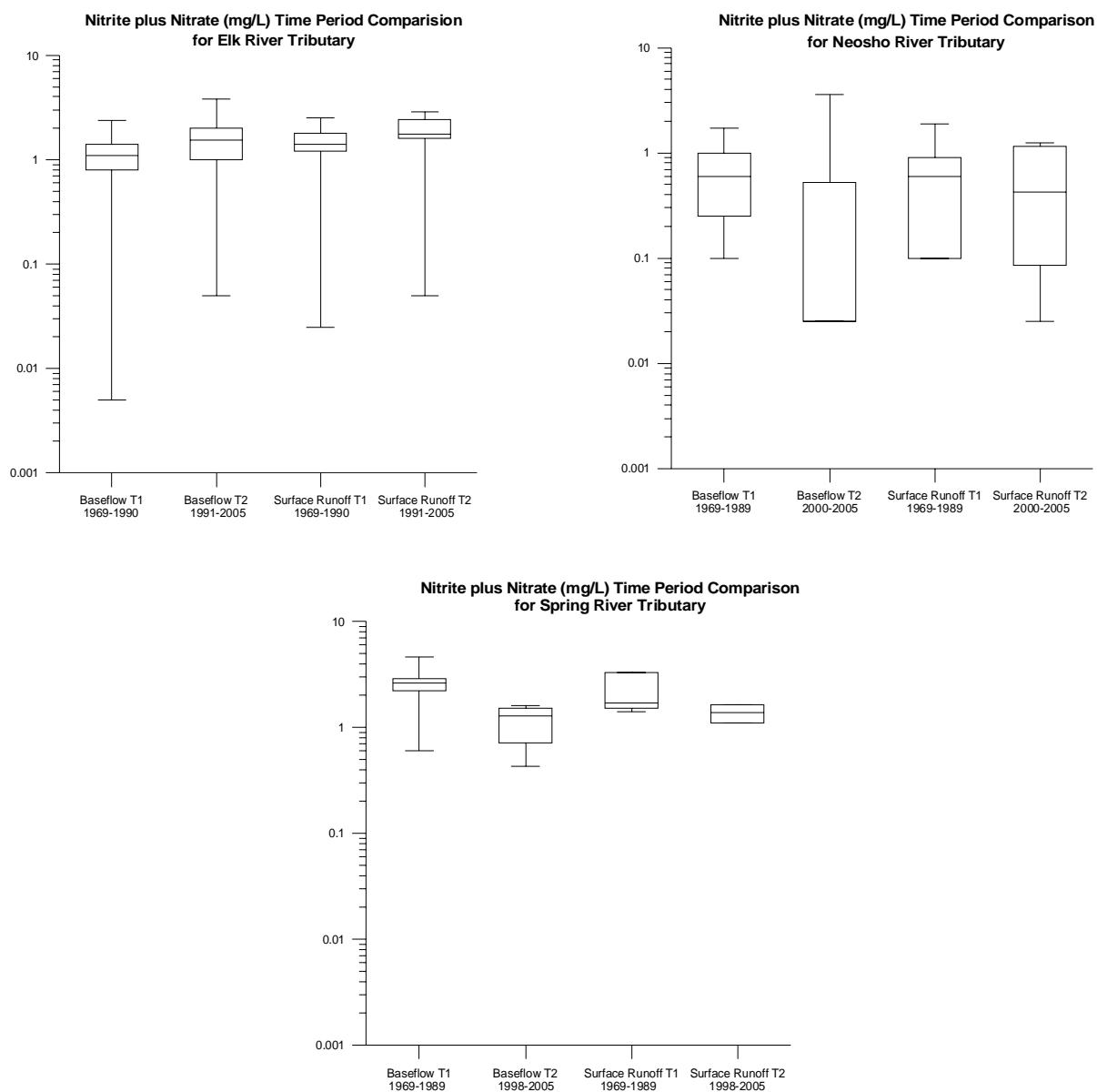
Trend analysis showed during the time period of 1969-2005, nitrite plus nitrate (mg/L) showed significant increase for the Elk River and decrease in Neosho River. The rate of increase for the Elk River, some .25 mg/L over ten years is about three times greater than the rate of decrease in the Neosho River, some 0.08 mg/L over ten years.

Figure 7. 1969-2005 Trend Analysis of Nitrite plus Nitrate for Elk, Neosho, and Spring River



Nitrite plus Nitrate (mg/L) samples were compared between two different time periods (Phase I and present day) and segregated between flow regimes, baseflow and surface runoff. For both time periods median nitrate plus nitrite nitrogen was greater for surface runoff than baseflow. The Elk River also showed higher median values for the most recent time periods for both flow regimes. The Neosho River, however, indicated potential for significant decrease over time of nitrate plus nitrite in baseflow conditions. Although not statistically significant, the Spring River indicated decreased nitrate plus nitrite over time for both flow regimes.

Figure 8. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Nitrite plus Nitrate for Elk, Neosho, and Spring River



Total Phosphorus

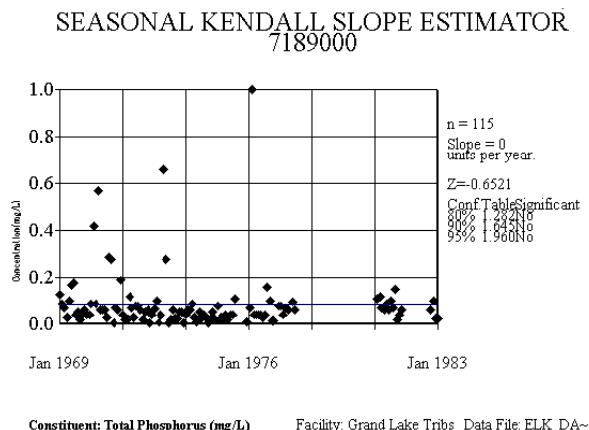
Averaged samples for Phase I time periods and present day showed considerable variation between sites (Table 7). Only the Spring River site showed change in the same direction for concentration and load over time. The Elk River reflected a greater than doubling of total phosphorus (mg/L) with relatively little change in total phosphorus load (kg/day). In contrast the Neosho River showed an almost halving of total phosphorus concentration (mg/L) and doubling of total phosphorus load (kg/day).

Table 7. Average Total Phosphorus, Total Phosphorus Load and Flow Value for Each Time Period and Percent Change

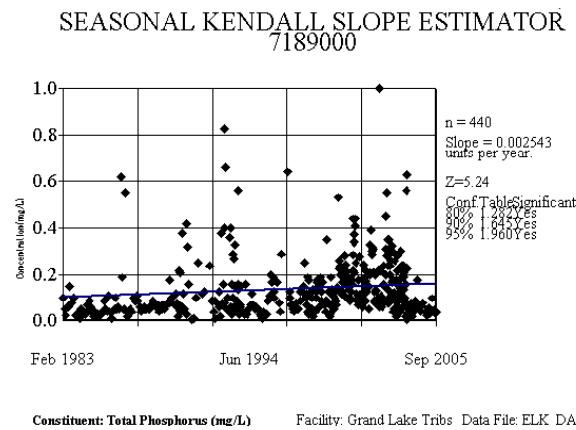
Parameters	Elk			Neosho			Spring		
	Time Period	%	Time Period	%	Time Period	%	Time Period	%	Time Period
Flow (cfs)	1,026.61	825.86	- 19.56%	3,548.88	3,953.53	+ 10.24%	866.57	891.19	+ 2.84%
Total Phosphorus (mg/L)	0.08	0.15	+ 87.5%	0.38	0.20	- 47.37%	0.31	0.18	- 41.94%
Total Phosphorus Load (kg/day)	277.07	285.08	+ 2.89%	1,240.89	2,846.90	+ 56.41%	820.17	318.54	- 61.16%

Due to the bulk of data points, Elk River data, total phosphorus (mg/L) and total phosphorus load (kg/day), was split into two time periods (1969 - 1982 and 1983 - 2005) to allow for statistical trend analysis. A significant increase was noted from 1983 – 2005 with a predicted increase of about 0.02 mg/L over a ten-year period. No trend was detected for total phosphorus concentration at the Neosho River site while a significant downward trend was noted for the Spring River predicting a decrease of 0.04mg/L over a ten-year period (Figure 9).

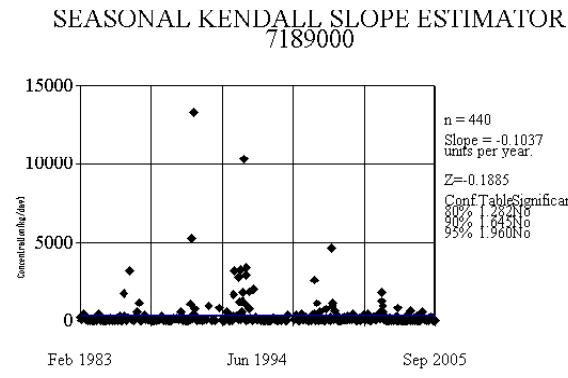
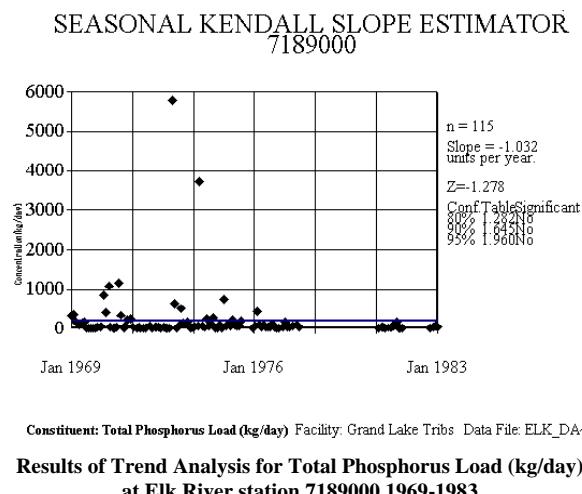
Figure 9. 1969-2005 Trend Analysis of Total Phosphorus and Total Phosphorus Load for Elk, Neosho, and Spring River

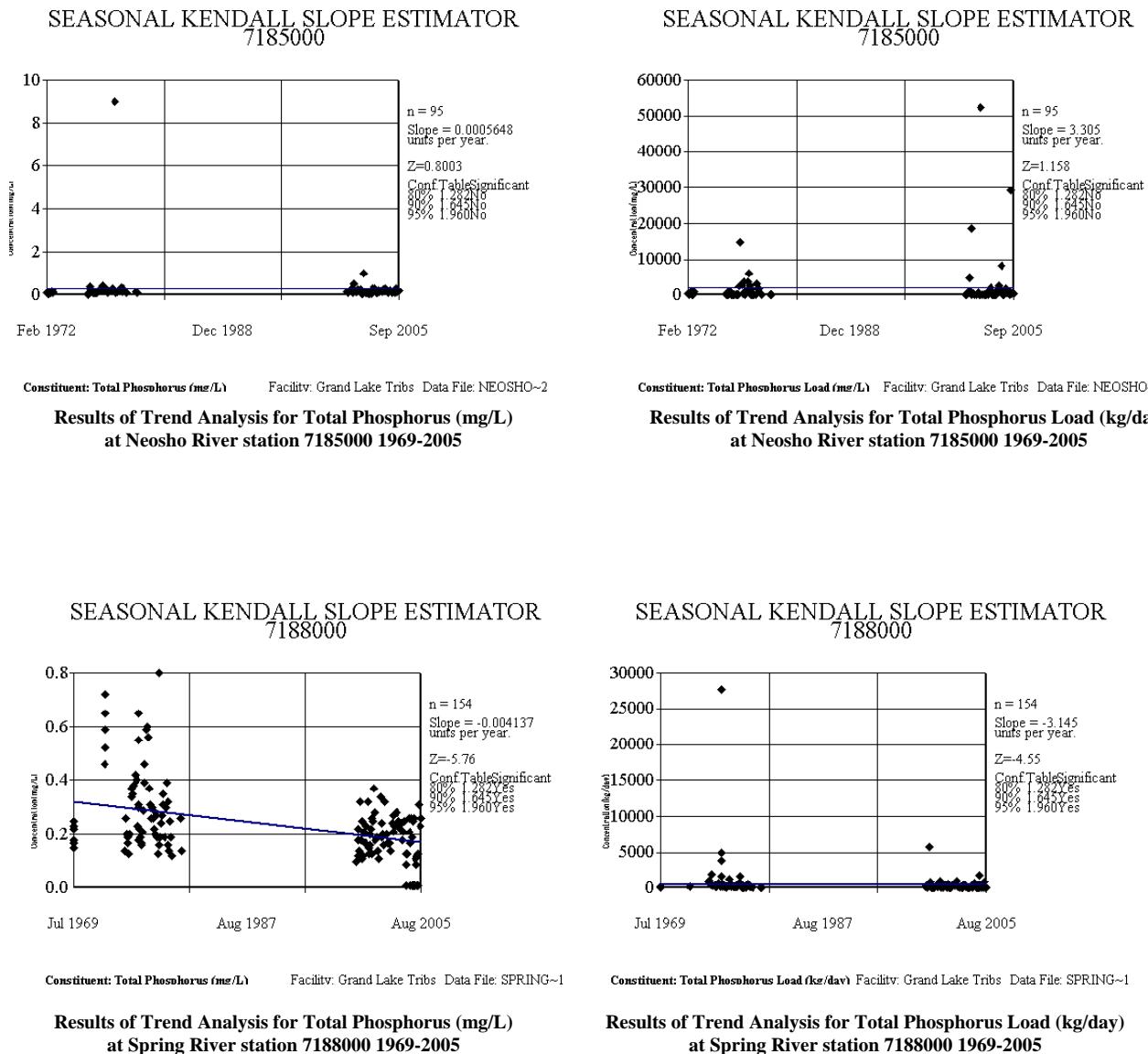


**Results of Trend Analysis for Total Phosphorus (mg/L)
at Elk River station 7189000 1969-1983**



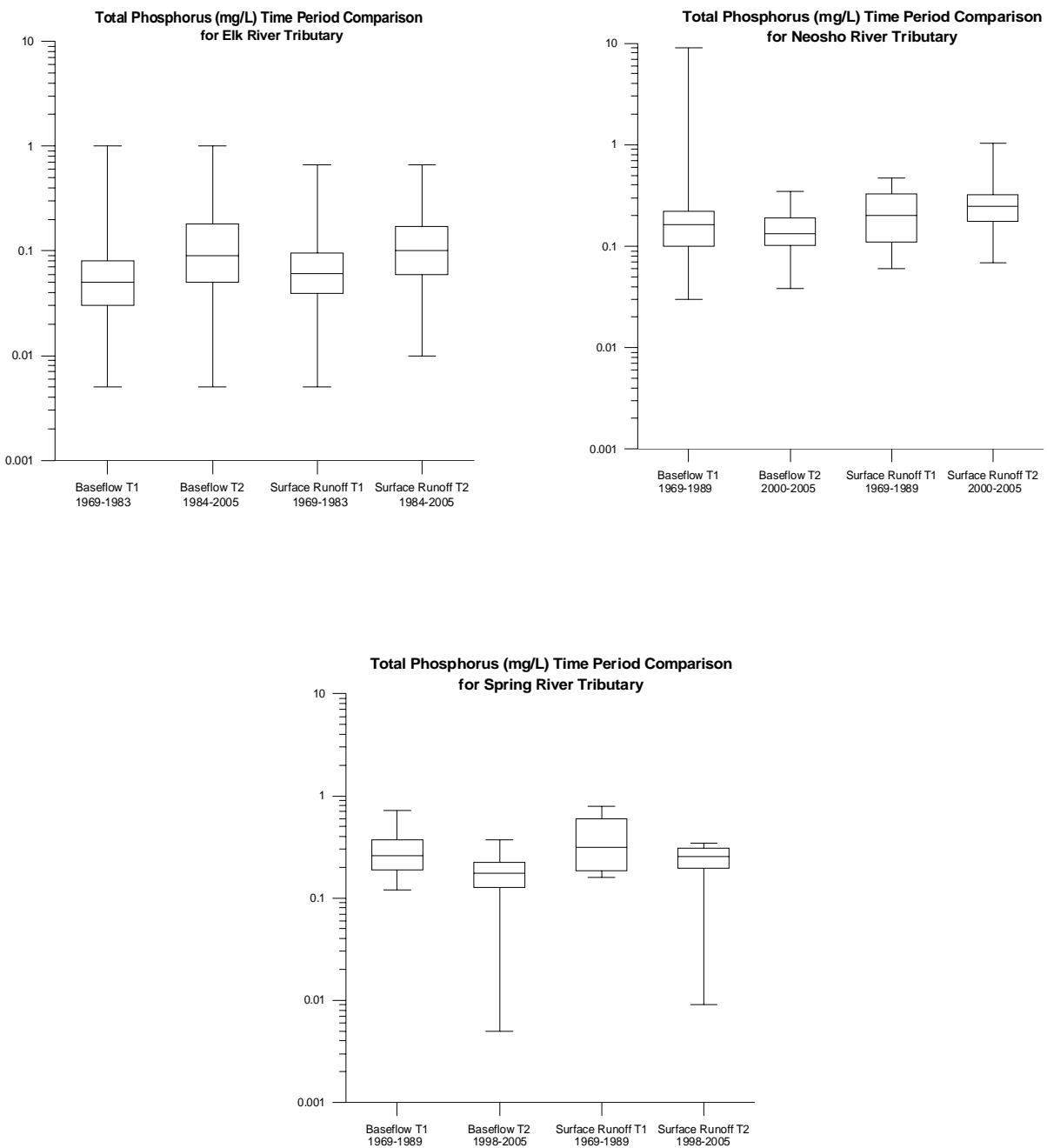
**Results of Trend Analysis for Total Phosphorus (mg/L)
at Elk River station 7189000 1983-2005**





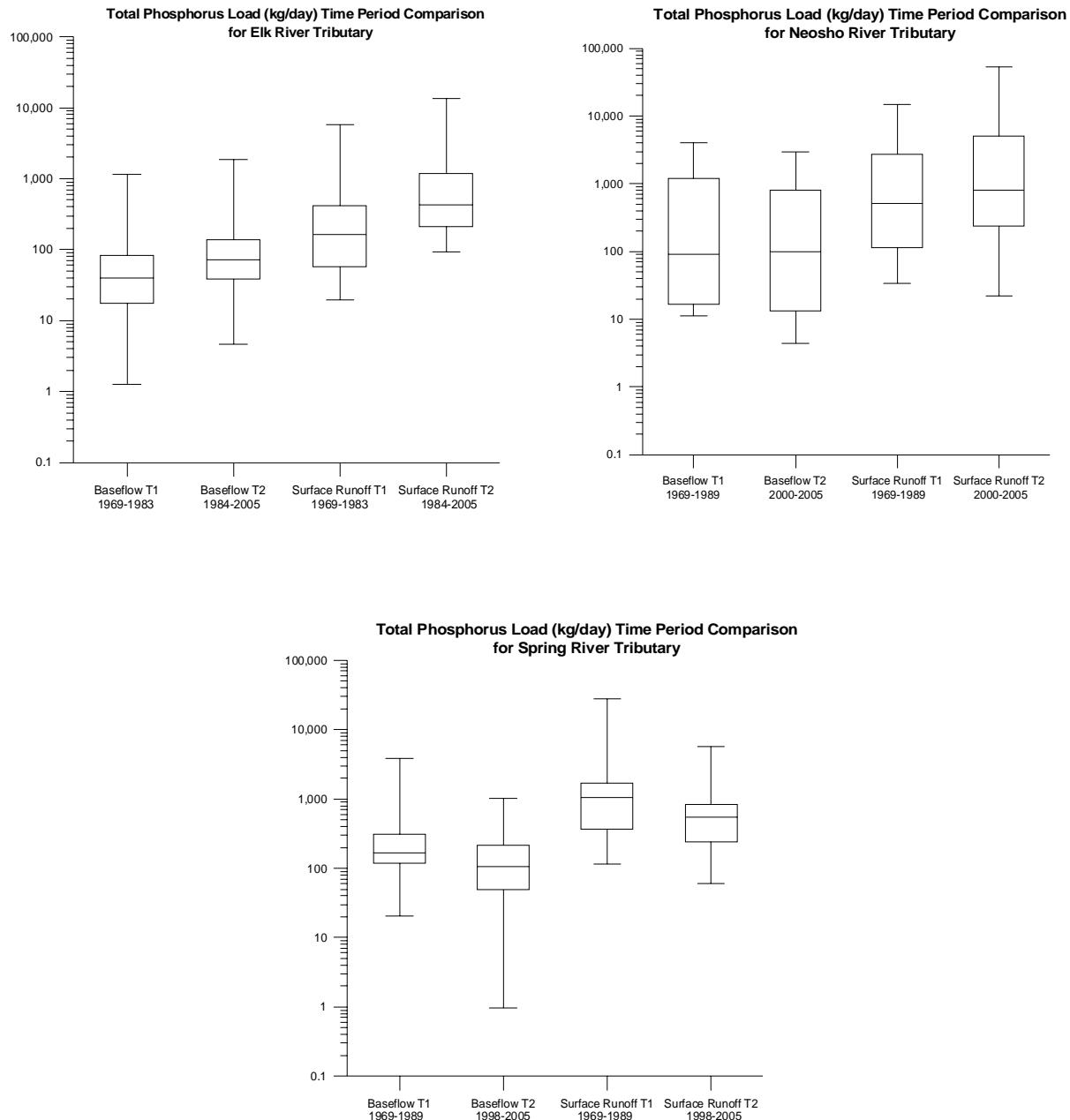
Comparison of total phosphorus concentration (mg/L) and load (kg/day) were made between two different time periods (Phase I and present day) and between two different flow regimes, baseflow and surface runoff (Figure 10 and 11). The total phosphorus concentration seemed to increase over time for both flow regimes in the Elk River with perhaps the largest step for base flow conditions. Although concentration was greater in surface runoff than baseflow for the Neosho River, no appreciable change was noted between time periods. Median concentration seemed lower in the Spring River under both baseflow and surface runoff conditions (Figure 10).

Figure 10. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Total Phosphorus for Elk, Neosho, and Spring River



Total Phosphorus load (kg/day) change over time was slightly different. The median for baseflow increased in the Elk River, stayed approximately the same in the Neosho River and decreased in the Spring River. The median for surface runoff increased in the Elk, stayed approximately the same in the Neosho River and decreased in the Spring River (Figure 11).

Figure 11. 1969-2005 Box and Whisker Plots Baseflow vs. Surface Runoff Comparisons of Total Phosphorus Load for Elk, Neosho, and Spring River



Demographics (*modified from 2003 OWRB Grand Lake Demographic Study*)

All four states in the Grand Lake region showed a positive increase in state population. The greatest increase occurred in Arkansas, which grew by 9.3% between 1986 and 2000. It could be speculated that the increase in population in Arkansas counties and cities may be related to greater employment opportunities within the poultry industry. Three Arkansas cities (Springdale, Rogers and Bentonville) showed increases of 75% or greater between 1986 and 2000. Springdale is located in Washington County and Rogers and Bentonville are located in Benton County. In the time period between 1987 and the 1997, the number of poultry farms in those counties decreased. However, poultry production showed large increases (Appendix B: Table 12). The following presents demographic information of the Grand Lake watershed by state:

Arkansas

When looking at visitors to Grand Lake state parks, Arkansas contributed the least number of visitors with only 1.2% of survey responders. The increases in state and county populations seen between 1986 and 2000 did not lead to an increase in Grand Lake state park visitors.

Missouri

The second largest state increase occurred in Missouri with a 10.5% increase. Missouri has the largest population in the watershed and the largest city in the area, Joplin. It contributed the second largest number of visitors to Grand Lake state parks with 20% of survey responders and had the largest percentage increase in state park visitors (1987-2000). Four of the six Missouri cities that are located within eighty-kilometers of Grand Lake showed an increase in population. Projections show that the population of counties in Missouri will continue to grow. If state park usage follows the 1987-2000 trends, the number of visitors from Missouri will continue to rise.

Oklahoma

Seventy-five percent of contributors to Grand Lake state parks are from Oklahoma, which only had a 4.4% increase in state population. The total Oklahoma county population within that eighty-kilometer (approximately 50 mile) radius of Grand Lake is 268,359. Delaware County and the City of Grove showed the greatest increase in population.

Delaware County is located on the Oklahoma Arkansas border. Population projections show that by 2005 it will have the highest population of the four Oklahoma watershed counties. As of 2002 it has the lowest unemployment rate of the four counties and was the only county not to show an increase in unemployment between 2000 and 2002. More than one fourth of the total employment is attributed to the services industry. The service industry may be based on the growing retirement population. Delaware County currently has the highest median age and number of persons of retirement age (65 or older).

Grove is a resort community in Delaware County located on the eastern shore of Grand Lake. It is the largest city on Grand Lake and is the retail, housing, and water sports center for Grand Lake's eastern shore. The city itself has a population of approximately 5,100 people, with an estimated population of 30,000 people within a 20-mile radius. Grove's economy is based on six industries: tourism, retail trade, service industry, health services, retirement, and manufacturing. According to the Grove Chamber of Commerce, Grove is "One of the top most desirable retirement places in the nation," quoted a few years back by Rand McNally, and the Wall Street Journal has said that Grand Lake is one of the nation's five best retirement areas based on the cost of living, state and local taxes, climate, and typical household earnings. The most widely visited Grand Lake area state park was Honey Creek, located just south of Grove. The accessibility from Joplin, Missouri (43 miles) and Tulsa, Oklahoma (76 miles) may explain why Honey Creek had the highest Grand Lake park attendance. Although Honey Creek was the most widely visited, Twin Bridges has consistently generated the largest revenue and shows a steady increase in annual revenues for Oklahoma Department of Tourism and Recreation.

Two other Oklahoma cities within the eighty-kilometer radius had an increase in population from 1986-2000. Tahlequah is the county seat of Cherokee County and has a population of over 14,000. It is located between Lakes Tenkiller and Fort Gibson. Population projections show that by 2020 its population will have risen above 20,000. Demographics of the city show that the population is young (median age of 26.4) and growing. Pryor is located in Mayes County and has a population of 8,659. Pryor, also known as Pryor Creek, is within a thirty-minute drive of seven lakes. Population projections show that by 2020 its population will have risen above 10,000. Demographics of the city show a stable population (median age of 36.3). Pryor is also home to the state's largest industrial park with 9,000 acres and seventy businesses. The number of people from Tahlequah and Pryor that may contribute to Grand Lake may be limited based on these cities proximity to other recreational areas.

Figure 12. Population Distribution of Grand Lake by Census Blocks

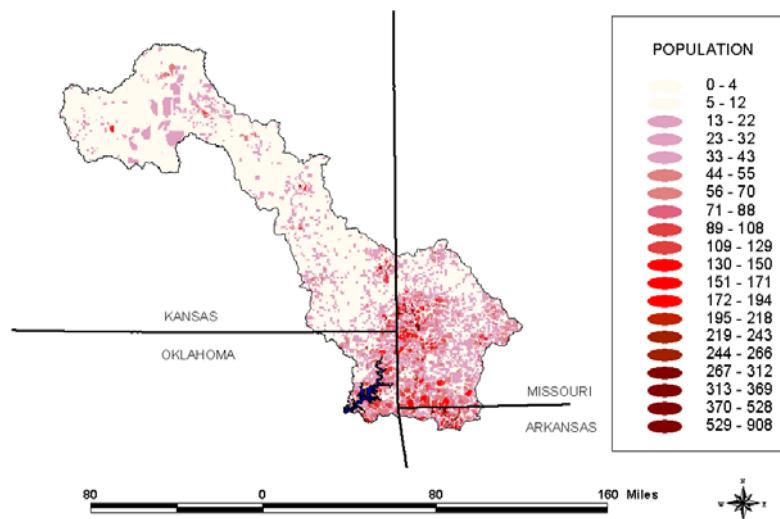
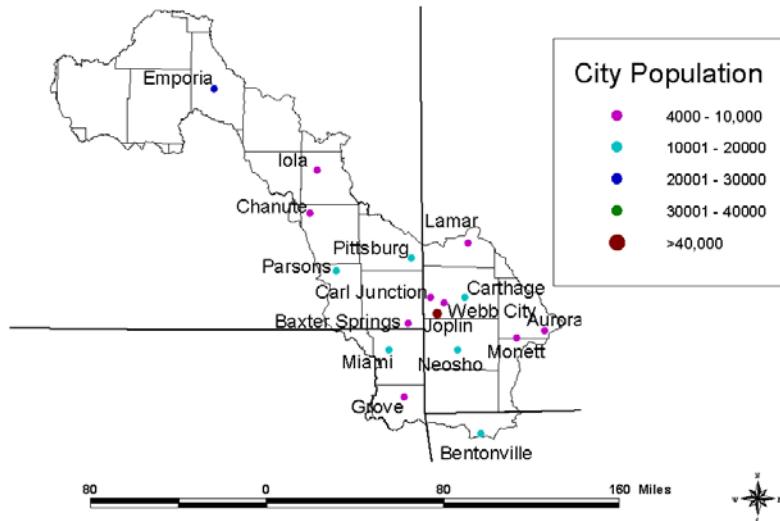


Figure 13. Distribution of Cities in the Grand Lake Watershed



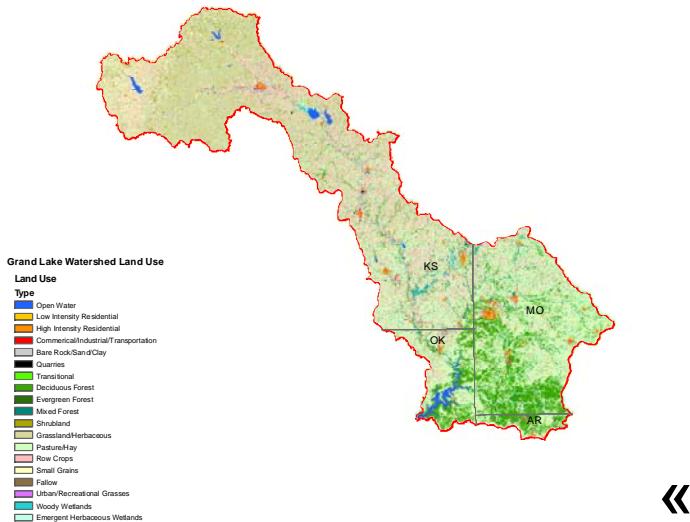
Land Use: Summary of Phase I results (*modified from 1995 Diagnostic and Feasibility Study of Grand Lake O' the Cherokees – Phase I of Clean Lakes Project*)

The 1995 Phase I report for Grand Lake listed the land uses in the Grand Lake watershed as predominantly agricultural, with 60% of land in the four Oklahoma counties used for agricultural purposes. The major land uses were cattle grazing, hay production, crop production, and confined animal feeding operations. The development of the poultry industry (mainly broiler production) in the area was seen as the greatest potential non-point source impact on water quality through over-application of poultry litter and increased waste loads from poultry processing facilities.

Lakeside recreation and residential shoreline development were also considered to have the potential for a relatively large impact on lake water quality, though these are difficult to quantify. Mining of lead and zinc in the tri-state area (Oklahoma, Missouri, and Kansas) also poses a threat, but most mining activities stopped by 1970, so the impact to water quality will not increase in the future. Mine drainage now comes from abandoned mines and chat piles.

Major land use/land cover classes from the USGS 1992 NLCD (National Land Cover Dataset) give an overview of where in the watershed particular activities are occurring, and are shown in Figure 14. The time frame for this dataset approximates the study period for the Phase I report.

Figure 14. Phase I Land Use Distribution in the Grand Lake Watershed



Land Use: Results since Phase I

Arkansas

For the Arkansas portion of the watershed, major changes in agricultural use of land since the Phase I report include an increase in hay production, decrease in number of hogs, and an increase in the number of poultry. The number of cattle decreased since the 1970's, but showed no change in the last fifteen years.

Kansas

Kansas contains the majority of the land in the Grand Lake basin. The Kansas portion of the watershed has minimal forest cover; the land is primarily grassland, with large areas devoted to pasture and crop production. The counties in Kansas covered by the Grand Lake watershed include Allen, Anderson, Bourbon, Butler, Chase, Cherokee, Coffey, Crawford, Greenwood, Harvey, Labette, Lyon, Marion, McPherson, Morris, Neosho, Osage, Wabaunsee, Wilson, and Woodson. The Kansas portion of the Grand Lake watershed drains most of the Neosho River watershed and a small portion of the Spring River watershed.

Wheat, soybean, and hay harvesting are the three largest crops, with around 1 million acres in production. Corn and sorghum are harvested from around 400,000 acres. Wheat production

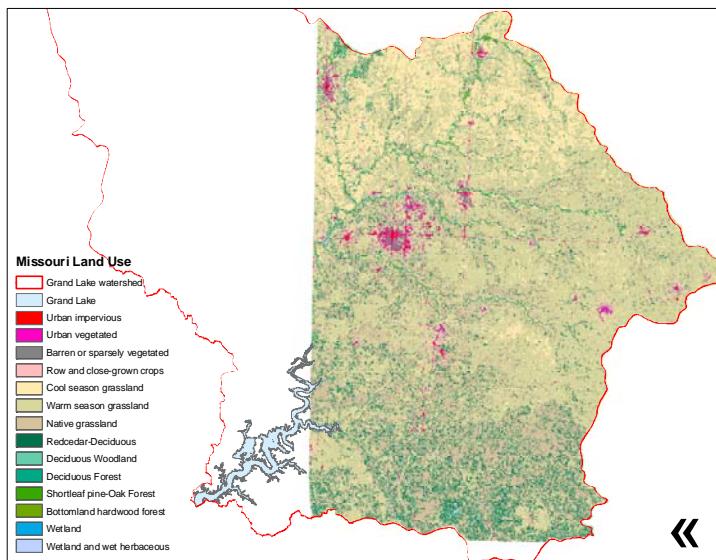
has varied greatly on a short-term basis, but shows no long-term trends. Soybean production has gradually increased over the period of record. The number of acres used for hay harvesting has shown an increase since the Phase I report was published. Corn production showed a steady decrease from the late 1950's to the 1980's; in the last fifteen years, corn production has increased to nearly the same number of acres in production as in the 1950's. Sorghum production peaked in the 1970's and has since declined.

For the southeastern counties of Kansas that fall within the Grand Lake watershed, livestock inventories are currently recorded at around 1 million cattle; 140,000 hogs; and 20,000 sheep. Poultry numbers are negligible. Livestock counts are only available since the mid-1970's. The number of cattle has decreased since the 1970's, but shows no change since the Phase I report was published. The number of hogs has steadily decreased since the 1970's, and the number of sheep has declined only in the last ten years.

Missouri

The counties in Missouri covered by the Grand Lake watershed include Barry, Barton, Dade, Jasper, Lawrence, McDonald, and Newton. The Missouri portion of the Grand Lake watershed drains most of the Spring River and Elk River watersheds and a small portion of the Neosho River watershed. A land use map produced using 2000-2004 data is shown in Figure 15 to give an idea of recent land use in the basin (MSDIS, 2005).

Figure 15. 2000-2004 Missouri Land Use Distribution in the Grand Lake Watershed



The Missouri portion of the Grand Lake watershed has little forest cover and little land used for intensive crop production; the land is primarily grassland, with large areas devoted to pasture and hay harvesting. The forestland is concentrated to the south and land used for crop production is found more towards the north.

Hay production accounts for by far the largest area of land harvested, with around 440,000 acres harvested. The other major crops are soybeans (~150,000 acres), wheat (~100,000 acres), and corn (~77,000 acres). The number of acres used for hay harvesting has shown an increase since the Phase I report and is the most visible trend for land in agricultural production. Soybean production peaked in the mid-1970's, declined, and has shown a slight increase in the last fifteen years. Wheat production has varied greatly on a short-term basis, but shows no long-term trends. Corn production showed a steady decrease from the late 1920's to the 1970's; in the last fifteen years, corn production has increased, but is no longer a major crop in these counties.

For the southwestern counties of Missouri that fall within the Grand Lake watershed, livestock inventories are currently recorded at around 450,000 cattle and 100,000 hogs. The number of cattle has increased over the entire period of record but has shown no change in the last fifteen years. The net number of hogs has not changed over time in the basin; hog production has only shifted on a county level. The major change in livestock for the counties in the Grand Lake basin has been in poultry production.

The total number of broilers in the basin has increased from 6 million to 22 million since 1987, an increase of 275%. Considering that 5-6 batches of broilers are produced per year, the annual production of broilers for the Missouri counties is currently around 120 million broilers per year. The increase in poultry production is by far the biggest change in agricultural production for the Missouri portion of the Grand Lake watershed.

Oklahoma

Oklahoma contains a fraction of the total land in the Grand Lake basin, but is of greater significance because it contains the terminal end of the watershed. The Oklahoma portion of the watershed has moderate forest cover; the non-lake area is mainly grassland, with pasture and some crop production. The counties in Oklahoma covered by the Grand Lake watershed include Craig, Delaware, Mayes, and Ottawa counties. The Oklahoma portion of the Grand Lake watershed drains the last of the watersheds of the Spring River, Elk River, and Neosho River, as well as Honey Creek and the smaller drainages into Grand Lake.

Hay production accounts for by far the largest area of land harvested, with around 260,000 acres harvested. The other major crops are soybeans (~50,000 acres) and wheat (~44,000 acres). The number of acres used for hay harvesting has shown an increase since the Phase I report was published and is the most visible trend for land in agricultural production. Soybean production peaked in the mid-1970's and has since declined. Wheat production has varied greatly on a short-term basis, but shows no long-term trends. Corn, oats, and sorghum are no longer planted on a large scale in the Oklahoma counties.

The number of cattle has shown no consistent change over the period of record. Hogs are produced in one of the counties, but the area is not within the Grand Lake watershed. The major change in livestock for the counties in the Grand Lake basin has been in poultry production.

The total number of broilers in the basin has increased from around 4 million to 10 million since 1987, an increase of 173%. Considering that 5-6 batches of broilers are produced per year, the annual production of broilers for the Oklahoma counties is currently around 55 million broilers per year. The increases in poultry production and hay harvesting are the biggest changes in agricultural production for the Oklahoma portion of the Grand Lake watershed.

Point Source

Data were collected on point source dischargers from all four states that contribute to the Grand Lake watershed. Elk River, Neosho River, and Spring River are the three major tributaries that are represented. Two point sources from Honey Creek and Wolf Creek were also included in the listing of point sources. Those dischargers are Simmons Foods (MO0036773) and Jay Utilities Authority (OK0031976). A list of minor dischargers can be found in Appendix A.

Table 8. Comparison of Phase I and Present Day Major and Minor Point Source Dischargers

Phase I Major and Minor Point Source Dischargers						Present Day Major and Minor Point Source Dischargers					
State	County	Major	Total	Minor	Total	State	County	Major	Total	Minor	Total
Arkansas	Benton	1	1	4	4	Arkansas	Benton	1	1	11	11
Kansas	Allen	1		6		Kansas	Allen	1		9	
Kansas	Anderson	0		1		Kansas	Anderson	0		3	
Kansas	Chase	0		6		Kansas	Chase	0		3	
Kansas	Cherokee	1		14		Kansas	Cherokee	1		11	
Kansas	Coffey	1		7		Kansas	Coffey	1		8	
Kansas	Crawford	1		19		Kansas	Crawford	3		14	
Kansas	Labette	2		15		Kansas	Labette	1		8	
Kansas	Lyon	2		19		Kansas	Lyon	3		9	
Kansas	Marion	0		7		Kansas	Marion	0		8	
Kansas	McPherson	0		1		Kansas	McPherson	0		0	
Kansas	Morris	0		7		Kansas	Morris	0		4	
Kansas	Neosho	1		14		Kansas	Neosho	1		9	
Kansas	Wabaunsee	0		1		Kansas	Wabaunsee	0		0	
Kansas	Woodson	0		5		Kansas	Woodson	0		1	
Missouri	Barry	1		2		Missouri	Barry	1		69	
Missouri	Barton	0		8		Missouri	Barton	0		30	
Missouri	Jasper	8		42		Missouri	Jasper	8		83	
Missouri	Lawrence	3		13		Missouri	Lawrence	3		50	
Missouri	McDonald	1		12		Missouri	McDonald	1		58	
Missouri	Newton	2		11		Missouri	Newton	2		59	
Oklahoma	Craig	0		2		Oklahoma	Craig	0		2	
Oklahoma	Delaware	0		12		Oklahoma	Delaware	1		11	
Oklahoma	Ottawa	2		18		Oklahoma	Ottawa	1		21	

Comparisons were made between Phase I point source dischargers and present-day dischargers. Arkansas had no change in major dischargers but had an increase of seven minor dischargers. Kansas had an increase of two major dischargers and a decrease of thirty-five minor dischargers. Missouri had no change in major dischargers but had an increase of two hundred sixty one minor dischargers. The biggest increase of all the states combined. Oklahoma had no change in major dischargers and an increase of two minor dischargers.

Table 9. List of All Major Point Source Dischargers for the Grand Lake Watershed

State	NPDES Permit Number	Facility Name	County Name	Designation	Receiving Stream
Arkansas	AR0022403	Bentonville, City of	Benton	Sewerage Systems	Little Sugar Creek
Kansas	KS0000817	Tyson Fresh Meats, Inc. - Emporia	Lyon	Meat Packing Plant	Cottonwood River via Fox Creek
Kansas	KS0029360	Kansas Army Ammunition Plant	Labette	Ordnance and Access.	Neosho River/Unnamed Trib
Kansas	KS0032123	Iola WWTF	Allen	Sewerage Systems	Neosho River
Kansas	KS0038954	Pittsburg, City of Mun. WWTF	Crawford	Sewerage Systems	Neosho River via SprinCG River via Cow Creek
Kansas	KS0046728	Emporia WWTF	Lyon	Sewerage Systems	Cottonwood River
Kansas	KS0079057	Wolf Creek Nuclear Operating Corporation	Coffey	Electric Services	Neosho River/Wolf Creek
Kansas	KS0079812	Riverton Generating Station	Cherokee	Electric Services	Neosho River via SprinCG River
Kansas	KS0080837	Chanute WWTF	Neosho	Sewerage Systems	Neosho River/Little Turkey Creek
Missouri	MO0002348	Eagle Pitcher Technologies	Jasper	Storage Batteries	Lone Elm/Turkey Creek
Missouri	MO0002356	BCP Ingredients	Lawrence	Prepared foods/Ingred.	Spring River/Subsurface
Missouri	MO0002402	Dyno Nobel - Carthage	Jasper	Explosives	Center Creek
Missouri	MO0002411	Vickers Inc.	Jasper	Heavy Construction	Turkey Creek/Short Creek
Missouri	MO0002453	ICI Explosives, USA	Jasper	Explosives	Grove Creek
Missouri	MO0021440	Monett WWTF	Barry	Sewerage Systems	Clear Creek
Missouri	MO0022381	Mount Vernon WWTF	Lawrence	Sewerage Systems	Williams Creek
Missouri	MO0023256	Shoal Creek WWTF	Jasper	Sewerage Systems	Shoal Creek
Missouri	MO0036757	Aurora WWTF	Lawrence	Sewerage Systems	Chat Creek/Douger Branch
Missouri	MO0036773	Simmons Foods	McDonald	Poultry Slaughtering/Processing	TR Cave Springs Branch
Missouri	MO0039136	Carthage WWTF	Jasper	Sewerage Systems	Spring River
Missouri	MO0039926	Crowder WWTF	Newton	Sewerage Systems	Buffalo Creek
Missouri	MO0040185	Webb City WWTF	Jasper	Sewerage Systems	Trib Center Creek
Missouri	MO0103349	Turkey Creek WWTF	Jasper	Sewerage Systems	Turkey Creek
Missouri	MO0104906	Neosho Shoal Creek WWTF	Newton	Sewerage Systems	Shoal Creek
Oklahoma	OK0031798	Miami, City of Southeast WWTF	Ottawa	Sewerage Systems	Neosho River
Oklahoma	OK0031976	Jay Utilities Authority	Delaware	Sewerage Systems	Muskrat Hollow Creek/Unnamed Trib

Data on limits for flow, total nitrogen, and total phosphorus for major dischargers were collected and shown in Table 10. Actual output data were collected for each major discharger and shown in Tables 11, 12, 13, 14, and 15.

Table 10. List of Permit Limits for All Major Point Source Dischargers

NPDES Permit Number	Receiving Stream	Flow (cfs) Permitted Limits	Total Phosphorus (mg/L) Permitted Limits Max.	Total Nitrogen (mg/L) Permitted Limits Max.	Total Nitrogen (mg/L) Permitted Limits Ave.
AR0022403	Little Sugar Creek	ADDMON	1.5	1.0	4.5 3.0
KS0000817	Cottonwood River via Fox Creek	OPTMON	OPTMON	NP	NP
KS0029360	Neosho River/Unnamed Trib	OPTMON	NP	NP	NP
KS0032123	Neosho River	OPTMON	OPTMON	OPTMON	OPTMON
KS0038954	Neosho River via SprinCG River via Cow Creek	OPTMON	OPTMON	OPTMON	NP
KS0046728	Cottonwood River	OPTMON	OPTMON	OPTMON	NP
KS0079057	Neosho River/Wolf Creek	OPTMON	NP	NP	NP
KS0079812	Neosho River via SprinCG River	OPTMON	NP	NP	NP
KS0080837	Neosho River/Little Turkey Creek	OPTMON	OPTMON	OPTMON	NP
MO0002348	Lone Elm/Turkey Creek	OPTMON	NP	NP	NP
MO0002356	Spring River/Subsurface	OPTMON	NP	NP	NP
MO0002402	Center Creek	OPTMON	NP	NP	NP
MO0002411	Turkey Creek/Short Creek	OPTMON	NP	NP	NP
MO0002453	Grove Creek	OPTMON	NP	NP	NP
MO0021440	Clear Creek	OPTMON	OPTMON	OPTMON	NP
MO0022381	Williams Creek	OPTMON	NP	NP	NP
MO0023256	Shoal Creek	OPTMON	NP	NP	NP
MO0036757	Chat Creek/Douger Branch	OPTMON	NP	NP	NP
MO0036773	TR Cave Springs Branch	OPTMON	1.0	0.5	NP
MO0039136	Spring River	OPTMON	NP	NP	NP
MO0039926	Buffalo Creek	OPTMON	NP	NP	NP
MO0040185	Trib Center Creek	OPTMON	NP	NP	NP
MO0103349	Turkey Creek	OPTMON	NP	NP	NP
MO0104906	Shoal Creek	OPTMON	NP	NP	NP
OK0031798	Neosho River	ADDMON	NP	NP	NP
OK0031976	Muskrat Hollow Creek/Unnamed Trib	ADDMON	NP	NP	NP

ADDMON - Additional Monitoring NP - Not Permitted OPTMON - Optional Monitoring

The only major dischargers that have permit limits on total phosphorus (mg/L) is the City of Bentonville, Arkansas (AR0022403) and Simmons Food, Inc., Missouri (MO0036773). The City of Bentonville, AR is the only major discharger that has limits on total nitrogen (mg/L). There are no flow limits for any of the major dischargers (Table 10).

Table 11. Per Day Averages for All Major Point Source Dischargers from 1998-2005

State	NPDES Permit Number	1998-2005					
		Flow (cfs)	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Average	Maximum	Average
Per Day	Per Day	Per Day	Per Day	Per Day	Per Day	Per Day	Maximum
Arkansas	AR0022403	5.388	8.972	5.889	6.812	NDA	NDA
Kansas	KS0000817	1.936	2.853	19.928*	21.370*	66.000*	66.089*
	KS0029360	0.034	0.146	NDA	NDA	NDA	NDA
	KS0032123	1.264	1.931	2.362	2.438	9.436*	9.436*
	KS0038954	7.865	15.421	4.720*	4.720*	NDA	NDA
	KS0046728	5.730	7.970	4.385*	4.385*	NDA	NDA
	KS0079057	205.533	222.914	NDA	NDA	NDA	NDA
	KS0079812	23.516	25.122	NDA	NDA	NDA	NDA
	KS0080837	3.238	6.944	2.305*	2.340*	NDA	NDA
Missouri	MO0002348	3.215*	3.215*	NDA	NDA	NDA	NDA
	MO0002356	39.085*	38.983*	NDA	NDA	NDA	NDA
	MO0002402	54.711*	94.808*	NDA	NDA	NDA	NDA
	MO0002411	0.321*	3.362*	NDA	NDA	NDA	NDA
	MO0002453	30.082*	43.424*	NDA	NDA	4.978*	4.967*
	MO0021440	5.563*	6.889*	16.063*	16.611*	NDA	NDA
	MO0022381	1.186*	20.460*	NDA	NDA	NDA	NDA
	MO0023256	5.536	9.013	NDA	NDA	NDA	NDA
	MO0036757	1.767*	3.426*	NDA	NDA	NDA	NDA
	MO0036773	1.070*	1.515*	0.204*	0.290*	NDA	NDA
	MO0039136	6.144*	10.766*	NDA	NDA	NDA	NDA
	MO0039926	1.540*	2.172*	NDA	NDA	NDA	NDA
	MO0040185	3.439*	6.976*	NDA	NDA	NDA	NDA
	MO0103349	13.259*	20.944*	NDA	NDA	NDA	NDA
	MO0104906	3.064*	4.944*	NDA	NDA	NDA	NDA
Oklahoma	OK0031798	2.975	5.044	NDA	NDA	NDA	NDA
	OK0031976	1.343	2.090	NDA	NDA	NDA	NDA

NDA - No Data Available; (*) - Data Not Available for All Years

The eight-year average for Arkansas' major discharger exceeded the limits of total phosphorus (mg/L). Missouri's eight-year average stayed within the permitted limits. All other data had no limits (Table 11).

Table 12. Per Day Averages Per Year for All of Arkansas Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
AR0022403						
1998	4.618	7.903	8.220	9.330	NDA	NDA
1999	5.090	8.411	7.000	7.417	NDA	NDA
2000	4.792	8.341	8.333	8.583	NDA	NDA
2001	5.039	8.838	5.667	5.917	NDA	NDA
2002	5.462	8.802	6.000	6.250	NDA	NDA
2003	5.242	8.433	4.833	6.667	NDA	NDA
2004	6.485	11.547	3.500	5.333	NDA	NDA
2005	6.374	9.504	3.950	5.417	NDA	NDA

NDA - No Data Available

The yearly average of per day discharge for the City of Bentonville (AR0022403) exceeded total phosphorus (mg/L) permitted limits for 1998-2005. It is the only Arkansas major discharger in the Grand Lake watershed (Table 12).

Table 13. Per Day Averages Per Year for All of Kansas Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
KS0000817						
1998	1.773	3.061	NDA	NDA	NDA	NDA
1999	2.340	2.956	NDA	NDA	NDA	NDA
2000	1.745	2.275	23.250	23.250	85.500	85.500
2001	2.072	3.823	19.833	19.833	29.083	29.083
2002	1.649	2.603	20.500	20.538	53.750	53.750
2003	2.103	2.821	20.890	20.915	94.935	95.213
2004	1.985	2.420	19.608	22.692	NDA	NDA
2005	2.005	2.528	16.773	21.692	NDA	NDA
KS0029360						
1998	0.007	0.018	NDA	NDA	NDA	NDA
1999	0.017	0.037	NDA	NDA	NDA	NDA
2000	0.058	0.183	NDA	NDA	NDA	NDA
2001	0.038	0.154	NDA	NDA	NDA	NDA
2002	0.046	0.245	NDA	NDA	NDA	NDA
2003	0.059	0.231	NDA	NDA	NDA	NDA
2004	0.040	0.183	NDA	NDA	NDA	NDA
2005	0.032	0.163	NDA	NDA	NDA	NDA
KS0032123						
1998	1.869	2.846	NDA	NDA	NDA	NDA
1999	1.562	2.158	NDA	NDA	NDA	NDA
2000	1.039	1.670	NDA	NDA	NDA	NDA
2001	1.234	1.894	1.908	2.137	NDA	NDA
2002	0.545	0.888	2.342	2.528	NDA	NDA
2003	0.646	1.043	2.242	2.324	NDA	NDA
2004	1.370	2.043	2.738	2.738	NDA	NDA
2005	1.313	2.313	2.230	2.230	9.436	9.436
KS0038954						
1998	9.078	19.013	NDA	NDA	NDA	NDA
1999	8.717	18.045	NDA	NDA	NDA	NDA
2000	8.406	15.293	NDA	NDA	NDA	NDA
2001	9.053	15.733	NDA	NDA	NDA	NDA
2002	8.810	15.113	NDA	NDA	NDA	NDA
2003	8.047	14.479	4.231	4.231	NDA	NDA
2004	6.196	13.855	4.232	4.232	NDA	NDA
2005	5.923	13.338	5.656	5.656	NDA	NDA
KS0046728						
1998	6.560	9.583	NDA	NDA	NDA	NDA
1999	6.039	8.395	NDA	NDA	NDA	NDA
2000	4.867	6.249	NDA	NDA	NDA	NDA
2001	4.938	6.953	NDA	NDA	NDA	NDA
2002	4.489	5.948	NDA	NDA	NDA	NDA
2003	6.002	7.777	2.572	2.572	NDA	NDA
2004	7.429	10.682	4.488	4.488	NDA	NDA
2005	5.542	8.154	5.038	5.038	NDA	NDA

Table 13 Cont. Per Day Averages Per Year for All of Kansas Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
KS0079057						
1998	198.521	220.900	NDA	NDA	NDA	NDA
1999	199.353	213.441	NDA	NDA	NDA	NDA
2000	204.767	221.482	NDA	NDA	NDA	NDA
2001	232.683	246.793	NDA	NDA	NDA	NDA
2002	221.218	238.382	NDA	NDA	NDA	NDA
2003	192.386	207.571	NDA	NDA	NDA	NDA
2004	196.944	207.294	NDA	NDA	NDA	NDA
2005	203.488	233.239	NDA	NDA	NDA	NDA
KS0079812						
1998	25.017	28.021	NDA	NDA	NDA	NDA
1999	31.321	34.711	NDA	NDA	NDA	NDA
2000	26.767	29.354	NDA	NDA	NDA	NDA
2001	27.457	29.993	NDA	NDA	NDA	NDA
2002	23.096	24.590	NDA	NDA	NDA	NDA
2003	24.332	25.925	NDA	NDA	NDA	NDA
2004	19.867	20.089	NDA	NDA	NDA	NDA
2005	21.917	21.917	NDA	NDA	NDA	NDA
KS0080837						
1998	3.881	6.755	NDA	NDA	NDA	NDA
1999	3.596	5.906	NDA	NDA	NDA	NDA
2000	3.196	16.263	NDA	NDA	NDA	NDA
2001	3.143	6.573	NDA	NDA	NDA	NDA
2002	2.862	5.145	NDA	NDA	NDA	NDA
2003	2.728	4.753	2.564	2.643	NDA	NDA
2004	3.538	5.261	1.891	1.891	NDA	NDA
2005	2.919	4.713	2.478	2.512	NDA	NDA

NDA - No Data Available

The highest flow data for Kansas major point source dischargers was Wolf Creek Nuclear Operating Corporation (KS0079057). The lowest flow data was Kansas Army Ammunition Plant (KS0029360). The highest total phosphorus (mg/L) data was Tyson Fresh Meats, Inc. in Emporia (KS0000817). The lowest total phosphorus (mg/L) data was Chanute Wastewater Treatment Facility (KS0080837). Three of the eight Kansas major point source dischargers had no total phosphorus data available and five had only partial data for 1998-2005. The only data available for total nitrogen (mg/L) was Iola Wastewater Plant (KS0032123) and Tyson Fresh Meats, Inc. in Emporia (KS0000817). Tyson Fresh Meats, Inc. had the highest total nitrogen (mg/L) data (Table 13).

Table 14. Per Day Averages Per Year for All of Missouri Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
MO0002348						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	NDA	NDA	NDA	NDA	NDA	NDA
2000	NDA	NDA	NDA	NDA	NDA	NDA
2001	NDA	NDA	NDA	NDA	NDA	NDA
2002	1.156	1.156	NDA	NDA	NDA	NDA
2003	1.580	1.580	NDA	NDA	NDA	NDA
2004	2.599	2.599	NDA	NDA	NDA	NDA
2005	5.398	5.398	NDA	NDA	NDA	NDA
MO0002356						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	15.117	15.117	NDA	NDA	NDA	NDA
2000	32.730	32.730	NDA	NDA	NDA	NDA
2001	40.795	40.936	NDA	NDA	NDA	NDA
2002	50.671	50.804	NDA	NDA	NDA	NDA
2003	41.827	41.827	NDA	NDA	NDA	NDA
2004	42.134	42.134	NDA	NDA	NDA	NDA
2005	31.668	30.855	NDA	NDA	NDA	NDA
MO0002402						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	0.142	0.388	NDA	NDA	NDA	NDA
2000	91.001	145.787	NDA	NDA	NDA	NDA
2001	25.227	41.317	NDA	NDA	NDA	NDA
2002	74.877	134.947	NDA	NDA	NDA	NDA
2003	85.432	100.505	NDA	NDA	NDA	NDA
2004	63.028	147.358	NDA	NDA	NDA	NDA
2005	18.226	51.024	NDA	NDA	NDA	NDA
MO0002411						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	NDA	NDA	NDA	NDA	NDA	NDA
2000	NDA	NDA	NDA	NDA	NDA	NDA
2001	0.299	0.460	NDA	NDA	NDA	NDA
2002	0.315	0.948	NDA	NDA	NDA	NDA
2003	0.397	10.548	NDA	NDA	NDA	NDA
2004	0.280	0.852	NDA	NDA	NDA	NDA
2005	0.306	0.687	NDA	NDA	NDA	NDA
MO0002453						
1998	NDA	NDA	NDA	NDA	4.900	NDA
1999	30.175	40.157	NDA	NDA	5.103	5.083
2000	16.370	24.068	NDA	NDA	4.143	4.143
2001	34.915	55.548	NDA	NDA	7.360	7.360
2002	46.675	58.116	NDA	NDA	NDA	NDA
2003	0.084	0.084	NDA	NDA	NDA	NDA
2004	1.030	1.030	NDA	NDA	NDA	NDA
2005	NDA	NDA	NDA	NDA	NDA	NDA
MO00021440						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	4.925	5.890	NDA	NDA	NDA	NDA
2000	5.695	6.880	NDA	NDA	NDA	NDA
2001	6.117	7.938	NDA	NDA	NDA	NDA
2002	6.073	7.754	18.872	19.488	NDA	NDA
2003	4.853	5.761	17.370	17.370	NDA	NDA
2004	5.060	6.439	13.399	13.745	NDA	NDA
2005	6.012	7.220	15.012	16.336	NDA	NDA
MO0022381						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	0.771	1.696	NDA	NDA	NDA	NDA
2000	2.224	1.988	NDA	NDA	NDA	NDA
2001	1.255	2.316	NDA	NDA	NDA	NDA
2002	1.200	123.541	NDA	NDA	NDA	NDA
2003	0.998	1.782	NDA	NDA	NDA	NDA
2004	0.935	1.714	NDA	NDA	NDA	NDA
2005	0.900	1.647	NDA	NDA	NDA	NDA
MO0023256						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	3.410	6.123	NDA	NDA	NDA	NDA
2000	5.272	7.421	NDA	NDA	NDA	NDA
2001	5.543	9.509	NDA	NDA	NDA	NDA
2002	5.729	9.463	NDA	NDA	NDA	NDA
2003	5.403	9.132	NDA	NDA	NDA	NDA
2004	6.492	10.320	NDA	NDA	NDA	NDA

Table 14 Cont. Per Day Averages Per Year for All of Missouri Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
MO0036757						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	1.209	1.732	NDA	NDA	NDA	NDA
2000	1.369	2.220	NDA	NDA	NDA	NDA
2001	1.501	3.006	NDA	NDA	NDA	NDA
2002	1.837	2.781	NDA	NDA	NDA	NDA
2003	1.653	3.445	NDA	NDA	NDA	NDA
2004	2.413	5.740	NDA	NDA	NDA	NDA
2005	1.871	3.558	NDA	NDA	NDA	NDA
MO0036773						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	1.120	1.364	0.269	0.340	NDA	NDA
2000	1.073	1.077	0.269	0.414	NDA	NDA
2001	0.859	0.876	0.243	0.264	NDA	NDA
2002	1.054	1.064	0.155	0.169	NDA	NDA
2003	1.114	1.253	0.153	0.191	NDA	NDA
2004	1.025	1.258	0.143	0.251	NDA	NDA
2005	1.356	4.251	0.228	0.446	NDA	NDA
MO0039136						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	0.391	0.628	NDA	NDA	NDA	NDA
2000	5.449	7.631	NDA	NDA	NDA	NDA
2001	5.973	10.979	NDA	NDA	NDA	NDA
2002	6.892	12.569	NDA	NDA	NDA	NDA
2003	6.161	10.459	NDA	NDA	NDA	NDA
2004	7.246	13.940	NDA	NDA	NDA	NDA
2005	5.930	9.923	NDA	NDA	NDA	NDA
MO0039926						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	0.0002	0.0002	NDA	NDA	NDA	NDA
2000	4.004	4.314	NDA	NDA	NDA	NDA
2001	1.120	1.870	NDA	NDA	NDA	NDA
2002	0.969	1.519	NDA	NDA	NDA	NDA
2003	1.455	2.569	NDA	NDA	NDA	NDA
2004	0.942	1.550	NDA	NDA	NDA	NDA
2005	0.846	1.116	NDA	NDA	NDA	NDA
MO0040185						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	1.555	30.785	NDA	NDA	NDA	NDA
2000	2.967	5.034	NDA	NDA	NDA	NDA
2001	3.603	6.062	NDA	NDA	NDA	NDA
2002	3.548	5.980	NDA	NDA	NDA	NDA
2003	3.645	6.211	NDA	NDA	NDA	NDA
2004	4.222	5.868	NDA	NDA	NDA	NDA
2005	3.184	4.649	NDA	NDA	NDA	NDA
MO0103349						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	7.750	13.175	NDA	NDA	NDA	NDA
2000	11.975	17.515	NDA	NDA	NDA	NDA
2001	13.782	22.100	NDA	NDA	NDA	NDA
2002	13.852	22.039	NDA	NDA	NDA	NDA
2003	12.895	23.191	NDA	NDA	NDA	NDA
2004	15.534	23.952	NDA	NDA	NDA	NDA
2005	11.896	16.826	NDA	NDA	NDA	NDA
MO0104906						
1998	NDA	NDA	NDA	NDA	NDA	NDA
1999	2.015	3.875	NDA	NDA	NDA	NDA
2000	3.148	4.514	NDA	NDA	NDA	NDA
2001	2.730	4.439	NDA	NDA	NDA	NDA
2002	3.067	4.776	NDA	NDA	NDA	NDA
2003	2.963	4.418	NDA	NDA	NDA	NDA
2004	3.502	5.929	NDA	NDA	NDA	NDA
2005	3.193	5.397	NDA	NDA	NDA	NDA

NDA - No Data Available

The highest flow data for Missouri major point source dischargers was BCP Ingredients (MO0002356). The lowest flow data was Vickers, Inc. (MO0002411). The highest total phosphorus (mg/L) data was Monett Wastewater Treatment Facility (MO0021440). The lowest total phosphorus (mg/L) data was Simmons Foods (MO0036773). Thirteen of the fifteen Missouri major point source dischargers had no total phosphorus data available and two had only partial data for 1998-2005. The only data available for total nitrogen (mg/L) was ICI Explosives, USA (MO0002453) (Table 14).

Table 15. Per Day Averages Per Year for All of Oklahoma Major Point Source Dischargers

NPDES Permit Number	Flow (cfs)		Total Phosphorus (mg/L)		Total Nitrogen (mg/L)	
	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day	Average Per Day	Maximum Per Day
OK0031798						
1998	2.864	5.003	NDA	NDA	NDA	NDA
1999	2.851	5.249	NDA	NDA	NDA	NDA
2000	2.870	4.441	NDA	NDA	NDA	NDA
2001	2.716	4.506	NDA	NDA	NDA	NDA
2002	2.683	4.494	NDA	NDA	NDA	NDA
2003	2.744	4.376	NDA	NDA	NDA	NDA
2004	3.907	7.013	NDA	NDA	NDA	NDA
2005	3.160	5.269	NDA	NDA	NDA	NDA
OK0031976						
1998	1.540	3.007	NDA	NDA	NDA	NDA
1999	1.586	3.305	NDA	NDA	NDA	NDA
2000	0.925	1.551	NDA	NDA	NDA	NDA
2001	2.112	1.044	NDA	NDA	NDA	NDA
2002	1.080	1.711	NDA	NDA	NDA	NDA
2003	1.035	1.709	NDA	NDA	NDA	NDA
2004	1.278	2.141	NDA	NDA	NDA	NDA
2005	1.226	2.295	NDA	NDA	NDA	NDA

NDA - No Data Available

The highest flow data for Oklahoma major point source dischargers was City of Miami Southeast Wastewater Treatment Facility (OK0031798). The lowest flow data was Jay Utilities Authority (OK0031976). No other data were available (Table 15).

Point Source Loads

Total Phosphorus loads were calculated based on data available and on theoretical total phosphorus (mg/L) concentrations. Theoretical numbers were assigned by average volume of flow (cfs) for each facility. Flow data that was 0-50 cfs was considered to have 4 mg/L of total phosphorus, 51-100 cfs had 5 mg/L, and >100 had 6 mg/L. These numbers were derived from the average effluent, depending on type of facility, ranging between 4.8-6.6 mg/L of total phosphorus (Dutnall, 1995). Elk River, Neosho River and Spring River are the three tributaries represented in this data. Honey Creek and Wolf Creek are also included because of the lakeside location and direct discharge into Grand Lake.

Table 16. Major Point Source Discharge Loads for the Elk River Tributary

Theoretical Data			Flow (cfs)	Total Phosphorus (mg/L)	Total Phosphorus (kg/day)
Tributary	NPDES Permit Number	Year	Average Per Day	Average Per Day	Load Per Day
Elk	AR0022403	1998	4.618	8.220	92.872
Elk	AR0022403	1999	5.090	7.000	87.164
Elk	AR0022403	2000	4.792	8.333	97.877
Elk	AR0022403	2001	5.039	5.667	69.863
Elk	AR0022403	2002	5.462	6.000	80.184
Elk	AR0022403	2003	5.242	4.833	61.983
Elk	AR0022403	2004	6.485	3.500	55.534
Elk	AR0022403	2005	6.374	3.950	61.596
Elk	MO0039926	1998	NDA	NDA	NDA
Elk	MO0039926	1999	0.0002	4.000	0.002
Elk	MO0039926	2000	4.004	4.000	39.260
Elk	MO0039926	2001	1.120	4.000	10.956
Elk	MO0039926	2002	0.969	4.000	9.481
Elk	MO0039926	2003	1.455	4.000	14.237
Elk	MO0039926	2004	0.942	4.000	9.215
Elk	MO0039926	2005	0.846	4.000	8.282

City of Bentonville (AR0022403) and Crowder Wastewater Treatment Facility (MO0039926) are the two point source dischargers that make up the Elk River Tributary. The highest loads were from the City of Bentonville (Table 16).

Table 17. Major Point Source Discharge Loads for Wolf Creek and Honey Creek

Theoretical Data			Flow (cfs)	Total Phosphorus (mg/L)	Total Phosphorus (kg/day)
Tributary	NPDES Permit Number	Year	Average Per Day	Average Per Day	Load Per Day
Lakeside	MO0036773	1998	NDA	NDA	NDA
Lakeside	MO0036773	1999	1.120	0.269	0.737
Lakeside	MO0036773	2000	1.073	0.269	0.708
Lakeside	MO0036773	2001	0.859	0.243	0.511
Lakeside	MO0036773	2002	1.054	0.155	0.399
Lakeside	MO0036773	2003	1.114	0.153	0.416
Lakeside	MO0036773	2004	1.025	0.143	0.357
Lakeside	MO0036773	2005	1.356	0.228	0.755
Lakeside	OK0031976	1998	1.540	4.000	15.073
Lakeside	OK0031976	1999	1.586	4.000	15.524
Lakeside	OK0031976	2000	0.925	4.000	9.065
Lakeside	OK0031976	2001	2.112	4.000	20.670
Lakeside	OK0031976	2002	1.080	4.000	10.573
Lakeside	OK0031976	2003	1.035	4.000	10.126
Lakeside	OK0031976	2004	1.278	4.000	12.504
Lakeside	OK0031976	2005	1.226	4.000	12.000

Simmons Foods (MO0036773) is the point source discharger for Honey Creek and Jay Utilities Authority (OK0031976) is the point source discharger for Wolf Creek. These two point sources discharge directly into Grand Lake. The highest loads were from Jay Utilities Authority (Table 17).

Table 18. Major Point Source Discharge Loads for Neosho River Tributary

Theoretical Data			Flow (cfs)	Total Phosphorus (mg/L)	Total Phosphorus (kg/day)
Tributary	NPDES Permit Number	Year	Average Per Day	Average Per Day	Load Per Day
Neosho	KS0000817	1998	1.773	4.000	17.352
Neosho	KS0000817	1999	2.340	4.000	22.897
Neosho	KS0000817	2000	1.745	23.250	99.464
Neosho	KS0000817	2001	2.072	19.833	100.518
Neosho	KS0000817	2002	1.649	20.500	82.690
Neosho	KS0000817	2003	2.103	20.890	107.480
Neosho	KS0000817	2004	1.985	19.608	95.245
Neosho	KS0000817	2005	2.005	16.773	82.299
Neosho	KS0029360	1998	0.007	6.000	0.100
Neosho	KS0029360	1999	0.0174	4.000	0.171
Neosho	KS0029360	2000	0.0583	4.000	0.572
Neosho	KS0029360	2001	0.0384	4.000	0.376
Neosho	KS0029360	2002	0.0460	4.000	0.450
Neosho	KS0029360	2003	0.0594	4.000	0.582
Neosho	KS0029360	2004	0.0401	4.000	0.392
Neosho	KS0029360	2005	0.0317	4.000	0.310
Neosho	KS0032123	1998	1.869	4.000	18.290
Neosho	KS0032123	1999	1.562	4.000	15.290
Neosho	KS0032123	2000	1.039	4.000	10.186
Neosho	KS0032123	2001	1.234	1.908	5.761
Neosho	KS0032123	2002	0.545	2.342	3.124
Neosho	KS0032123	2003	0.646	2.242	3.546
Neosho	KS0032123	2004	1.370	2.738	9.178
Neosho	KS0032123	2005	1.313	2.230	7.163
Neosho	KS0038954	1998	9.078	4.000	88.839
Neosho	KS0038954	1999	8.717	4.000	85.312
Neosho	KS0038954	2000	8.406	4.000	82.420
Neosho	KS0038954	2001	9.053	4.000	88.599
Neosho	KS0038954	2002	8.810	4.000	86.222
Neosho	KS0038954	2003	8.047	4.231	83.292
Neosho	KS0038954	2004	6.196	4.232	64.150
Neosho	KS0038954	2005	5.923	5.656	81.964
Neosho	KS0046728	1998	6.560	4.000	64.202
Neosho	KS0046728	1999	6.039	4.000	59.095
Neosho	KS0046728	2000	4.867	4.000	47.719
Neosho	KS0046728	2001	4.938	4.000	48.325
Neosho	KS0046728	2002	4.489	4.000	43.926
Neosho	KS0046728	2003	6.002	2.572	37.766
Neosho	KS0046728	2004	7.429	4.488	81.565
Neosho	KS0046728	2005	5.542	5.038	68.309
Neosho	KS0079057	1998	198.521	6.000	2914.200
Neosho	KS0079057	1999	199.353	6.000	2926.406
Neosho	KS0079057	2000	204.767	6.000	3011.503
Neosho	KS0079057	2001	232.683	6.000	3415.680
Neosho	KS0079057	2002	221.218	6.000	3247.371
Neosho	KS0079057	2003	192.386	6.000	2824.140
Neosho	KS0079057	2004	196.944	6.000	2891.042
Neosho	KS0079057	2005	203.488	6.000	2987.111
Neosho	KS0079812	1998	25.017	4.000	244.825
Neosho	KS0079812	1999	31.321	4.000	306.521
Neosho	KS0079812	2000	26.767	4.000	262.443
Neosho	KS0079812	2001	27.457	4.000	268.704
Neosho	KS0079812	2002	23.096	4.000	226.022
Neosho	KS0079812	2003	24.332	4.000	238.119
Neosho	KS0079812	2004	19.867	4.000	194.425
Neosho	KS0079812	2005	21.917	4.000	214.489
Neosho	KS0080837	1998	3.881	4.000	37.985
Neosho	KS0080837	1999	3.596	4.000	35.192
Neosho	KS0080837	2000	3.196	4.000	31.332
Neosho	KS0080837	2001	3.143	4.000	30.755
Neosho	KS0080837	2002	2.862	4.000	28.012
Neosho	KS0080837	2003	2.728	2.564	17.113
Neosho	KS0080837	2004	3.538	1.891	16.369
Neosho	KS0080837	2005	2.919	2.478	17.699
Neosho	MO0104906	1998	NDA	NDA	NDA
Neosho	MO0104906	1999	2.015	4.000	19.721
Neosho	MO0104906	2000	3.148	4.000	30.869
Neosho	MO0104906	2001	2.730	4.000	26.712
Neosho	MO0104906	2002	3.067	4.000	30.019
Neosho	MO0104906	2003	2.963	4.000	28.993
Neosho	MO0104906	2004	3.502	4.000	34.269

Tyson Fresh Meats, Inc. (KS0000817), Kansas Army Ammunition Plant (KS0029360), Iola Wastewater Treatment Facility (KS0032123), City of Pittsburg Municipal Wastewater Treatment Facility (KS0038954), Emporia Wastewater Treatment Facility (KS0046728), Wolf Creek Nuclear Operating Corp. (KS0079057), and Neosho Shoal Creek Wastewater Treatment Facility (MO0104906) are the point source dischargers for Neosho River Tributary. The highest loads were from Wolf Creek Nuclear Operating Corp. (KS0079057) (Table 18).

Table 19. Major Point Source Discharge Loads for Spring River Tributary

Theoretical Data		Flow (cfs)	Total Phosphorus (mg/L)	Total Phosphorus (kg/day)
Tributary	NPDES Permit Number	Year	Average Per Day	Load Per Day
Spring	MO00002348	1998	NDA	NDA
Spring	MO00002348	1999	NDA	NDA
Spring	MO00002348	2000	NDA	NDA
Spring	MO00002348	2001	NDA	NDA
Spring	MO00002348	2002	1.156	4.000
Spring	MO00002348	2003	1.580	4.000
Spring	MO00002348	2004	2.599	4.000
Spring	MO00002348	2005	5.398	4.000
Spring	MO00002356	1998	NDA	NDA
Spring	MO00002356	1999	15.117	4.000
Spring	MO00002356	2000	32.730	6.000
Spring	MO00002356	2001	40.795	4.000
Spring	MO00002356	2002	50.671	4.000
Spring	MO00002356	2003	41.827	4.000
Spring	MO00002356	2004	42.134	4.000
Spring	MO00002356	2005	31.668	4.000
Spring	MO00002402	1998	NDA	NDA
Spring	MO00002402	1999	0.142	4.000
Spring	MO00002402	2000	91.001	5.000
Spring	MO00002402	2001	25.227	4.000
Spring	MO00002402	2002	74.877	5.000
Spring	MO00002402	2003	85.432	5.000
Spring	MO00002402	2004	63.028	5.000
Spring	MO00002402	2005	18.226	4.000
Spring	MO00002411	1998	NDA	NDA
Spring	MO00002411	1999	NDA	NDA
Spring	MO00002411	2000	NDA	NDA
Spring	MO00002411	2001	0.299	4.000
Spring	MO00002411	2002	0.315	4.000
Spring	MO00002411	2003	0.397	4.000
Spring	MO00002411	2004	0.280	4.000
Spring	MO00002411	2005	0.306	4.000
Spring	MO00002453	1998	NDA	NDA
Spring	MO00002453	1999	30.175	6.000
Spring	MO00002453	2000	16.370	4.000
Spring	MO00002453	2001	34.915	4.000
Spring	MO00002453	2002	46.675	4.000
Spring	MO00002453	2003	0.084	4.000
Spring	MO00002453	2004	1.030	4.000
Spring	MO00002453	2005	NDA	NDA
Spring	MO0021440	1998	NDA	NDA
Spring	MO0021440	1999	4.925	4.000
Spring	MO0021440	2000	5.695	4.000
Spring	MO0021440	2001	6.117	4.000
Spring	MO0021440	2002	6.073	18.872
Spring	MO0021440	2003	4.853	17.370
Spring	MO0021440	2004	5.060	13.399
Spring	MO0021440	2005	6.012	15.012
Spring	MO0022381	1998	NDA	NDA
Spring	MO0022381	1999	0.771	4.000
Spring	MO0022381	2000	2.224	4.000
Spring	MO0022381	2001	1.255	4.000
Spring	MO0022381	2002	1.200	4.000
Spring	MO0022381	2003	0.998	4.000
Spring	MO0022381	2004	0.935	4.000
Spring	MO0022381	2005	0.900	4.000
Spring	MO0023256	1998	NDA	NDA
Spring	MO0023256	1999	3.410	4.000
Spring	MO0023256	2000	5.272	4.000
Spring	MO0023256	2001	5.543	4.000
Spring	MO0023256	2002	5.729	4.000
Spring	MO0023256	2003	5.403	4.000
Spring	MO0023256	2004	6.492	4.000
Spring	MO0023256	2005	5.047	4.000
Spring	MO0036757	1998	NDA	NDA
Spring	MO0036757	1999	1.209	4.000
Spring	MO0036757	2000	1.369	4.000
Spring	MO0036757	2001	1.501	4.000
Spring	MO0036757	2002	1.837	4.000
Spring	MO0036757	2003	1.653	4.000
Spring	MO0036757	2004	2.413	4.000

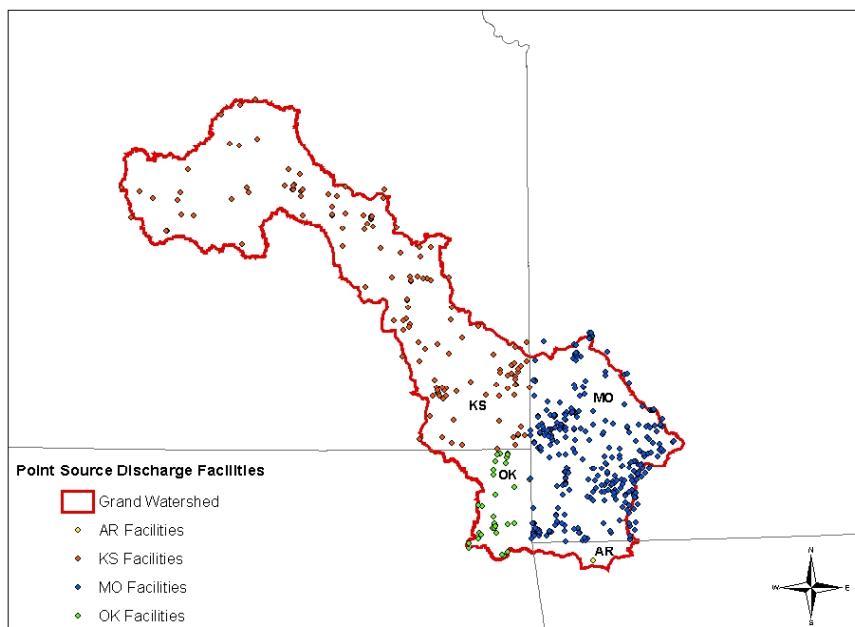
Eagle Pitcher Technologies (MO0002348), BCP Ingredients (MO0002356), Dyno Nobel – Carthage (MO0002402), Vickers Inc. (MO0002411), ICI Explosives, USA (MO0002453), Monett Wastewater Treatment Facility (MO0021440), Mount Vernon Wastewater Treatment Facility (MO0022381), Shoal Creek Wastewater Treatment Facility (MO0023256), and Aurora Wastewater Treatment Facility (MO0036757) are the point source dischargers for Spring River Tributary. The highest loads were from Dyno Nobel - Carthage (MO0002402) (Table 19).

Table 20. Overall and Yearly Point Source Total Phosphorus Loads (kg/day) for Elk, Neosho, and Spring Tributaries and Lakeside

Tributary	Year	Ave. Flow (cfs)	Total Phosphorus (kg/day) Ave. Load Per Day
Elk	1998	4.618	92.872
	1999	5.090	87.166
	2000	8.796	137.137
	2001	6.159	80.819
	2002	6.431	89.665
	2003	6.696	76.220
	2004	7.427	64.749
	2005	7.220	69.878
	Overall	6.555	87.313
Tributary	Year	Ave. Flow (cfs)	Total Phosphorus (kg/day) Ave. Load Per Day
Lakeside	1998	1.540	15.073
	1999	2.706	16.261
	2000	1.998	9.772
	2001	2.971	21.181
	2002	2.135	10.972
	2003	2.149	10.542
	2004	2.303	12.862
	2005	2.582	12.754
	Overall	2.298	13.677
Tributary	Year	Ave. Flow (cfs)	Total Phosphorus (kg/day) Ave. Load Per Day
Neosho	1998	51.050	499.624
	1999	58.459	572.097
	2000	52.097	593.147
	2001	53.380	596.328
	2002	52.003	553.976
	2003	54.229	569.004
	2004	47.835	533.831
	2005	46.006	534.408
	Overall	51.882	556.552
Tributary	Year	Ave. Flow (cfs)	Total Phosphorus (kg/day) Ave. Load Per Day
Spring	1998	NDA	NDA
	1999	65.45	788.12
	2000	175.05	2,099.83
	2001	139.01	1,360.39
	2002	212.83	2,486.94
	2003	164.93	1,981.79
	2004	150.97	1,748.03
	2005	90.44	1,047.02
	Overall	142.67	1,644.59

Spring River tributary had the highest overall total phosphorus loads. Elk River tributary had the lowest total phosphorus load. Elk River tributary's highest flow and load was in 2000. The lowest flow was in 1998 and the lowest load was in 2004. Neosho River tributary's highest flow was in 1999 and highest load was in 2001. The lowest flow was in 2005 and the lowest load was in 1998. Spring River tributary's highest flow and load was in 2002. The lowest flow and load was in 1999 (Table 20). A point source map was produced using current major and minor discharge facilities in Arkansas, Kansas, Missouri and Oklahoma (Figure 16).

Figure 16. Major and Minor Discharge Facilities in AR, KS, MO and OK



Discussion

Water Quality

Comparison of phosphorus load for the Elk River between flow regimes does indicate relatively little change over time for high flow and the potential for increased load during low flow. The increase of load during “baseflow” periods indicates any decrease in point source load is counterbalanced (or even exceeded) by increases from non-point sources.

Comparison of phosphorus load for the Neosho River between flow regimes indicates little change over time with the exception of higher loads for the top 50 percentile of the 2000 – 2005 data. Comparison of phosphorus load for the Spring River between flow regimes closely follows the observed decreases of concentration. The apparent decline in concentration does not agree with the estimated increases in point source contribution. A likely explanation is non-point source pollutants exert a greater influence on water quality than point source for these tributaries. On an absolute basis the highest surface runoff phosphorus load and concentration are associated with the Neosho River while the Elk River is the lowest.

The point source load estimates for each of the three major tributaries to Grand Lake from 1998 to 2005 allowed for a direct comparison by basin (Table 21). Point source phosphorus load appears to have increased since 1993 for the Neosho and Spring Rivers. Point source phosphorus load appears to have decreased since 1993 for the Elk River. Based on these results, detected trends for base flow nutrient (phosphorus and nitrogen) concentration would have increased between 1990 and 2005 for the Neosho and Spring Rivers while base flow nutrient concentration would have decreased for the Elk River.

Table 21. Comparison of Point Source Load Estimate Over Time.

Tributary Basin	1993 (Dutnell et. al. 1995)		1998 – 2005		% change	
	Load (kg/day)	Flow (cfs)	Load (kg/day)	Flow (cfs)	Load (kg/day)	Flow (cfs)
Neosho River	433	32.4	556	51.9	28%	60%
Spring River	1186	76.9	1644	142.7	39%	86%
Elk River	139	8.4	87	6.6	-37%	-21%

Table 22, a summary of trend detection by flow regime, does not corroborate any base flow load changes predictions based on point source load changes over time; the Elk River showed increased phosphorus load while point source load decreased and the Spring River showed decreased phosphorus while point source load decreased. These seemingly contradictory results suggest non-point source phosphorus input outweighs point source contributions during base flow periods. It seems an intuitive corollary that non-point sources dictate phosphorus load during periods of surface runoff.

Table 22. Summarized Results of Baseflow and Surface Runoff Time Period Comparison

Baseflow and Surface Runoff Change Over Time				
Parameter	Type	Elk	Neosho	Spring
Flow (cfs)	Baseflow	down	down	up
Specific Conductivity	Baseflow	up	down	down
Chloride (mg/L)	Baseflow	up	down	~equal
Nitrite plus Nitrate (mg/L)	Baseflow	up	down	down
Total Phosphorus (mg/L)	Baseflow	up	down	down
Total Phosphorus Load (kg/day)	Baseflow	up	~equal	down

Parameter	Type	Elk	Neosho	Spring
Flow (cfs)	Surface Runoff	down	down	down
Specific Conductivity	Surface Runoff	up	down	down
Chloride (mg/L)	Surface Runoff	up	down	up
Nitrite plus Nitrate (mg/L)	Surface Runoff	up	down	down
Total Phosphorus (mg/L)	Surface Runoff	up	up	down
Total Phosphorus Load (kg/day)	Surface Runoff	up	~equal	down

***Land Use* (from OWRB 2005 Grand Lake Land Use Study)**

Major land use classes at the statewide basis show land used for crop production has decreased, while the amount of land classified as forested has increased. The amount of land used for grazing livestock has decreased in Missouri and Kansas, with no appreciable change in Oklahoma and Arkansas. The amount of land developed for urban uses and transportation (roads and railroads) consistently increases over time.

Major land use data in the four near-lake counties show some localization of the statewide changes observed. The amount of land used for crop production decreased in all counties with the exception of Craig County. The amount of land designated as forested increased in all counties, again with the exception of Craig County. Urban use of land showed consistent increases, with the largest increases on a percentage basis in Delaware and Mayes counties, with greater than 20% increases in use over the fifteen-year period. The only major change observed in the amount of land used for grazing livestock was a decrease in Delaware County.

Agricultural statistics by county for individual crops show more specific trends for the Grand Lake area. Production of corn has declined in most areas of the lower watershed; production is increasing across all the Kansas counties. Sorghum production has declined throughout the watershed. Soybean production has increased in Kansas and Missouri, with soybeans grown mainly in the crop-producing lower watershed counties around the Kansas-Oklahoma-Missouri borders. Wheat is produced on large land areas throughout the basin, production fluctuates widely on a short-term basis, but there are no long-term changes in area used for wheat production. Hay harvesting has greatly increased throughout the basin.

From the detailed data, it is apparent that crop production has decreased since the turn of the century, especially in Missouri and Oklahoma. A secondary peak in land area cultivated was

seen around the 1970's, and production has since declined. In Kansas, cultivation has shifted from one crop to another, but the total area under cultivation has not changed over time, with the exception of the 1970's peak in production.

Livestock statistics show consistent numbers of cattle in the basin, a decline in the number of hogs and sheep, and a major increase in poultry production.

Production of cattle uniformly increased throughout the watershed from the turn of the century until the 1970's, when the number of cattle peaked. There has been no major change in the cattle inventory since then. The amount of land used for grazing has decreased but that appears to be offset by the increase in land used for hay production.

The production of poultry, particularly broilers, has dramatically increased in the Grand Lake basin. Poultry farms are located along the eastern borders of Kansas and Oklahoma, extending to the east. The increase in broiler production is the most important land use change with the potential to impact water quality.

Summary

Examination of tributary nutrient concentrations and loads over time (on a relative basis) indicates an increase of nutrients in the Elk River while the Spring River has decreased and the Neosho River appears to be stable. On an absolute basis the Neosho River has the highest phosphorus concentration and load of all three tributaries while the Elk River has the lowest phosphorus concentration and load. It is likely that the increase in population and agricultural industry in the Elk River basin factor into the increased nutrient trend. Increased population and poultry production were noted for both the Spring and Elk River basins with an increase in corn production in the Neosho River basin. It was heartening to note that even with increased agricultural and human population phosphorus showed a relative decrease for the Spring River. Identification of land use practices implemented within the last 10 – 15 years within the Spring River basin may offer ideas to reverse the trend of degraded water quality within the Elk River basin and possibly the Neosho River basins. The need to reverse the trend of increased nutrients in the Elk River can be underscored by the fact that load and concentration of nutrients increased while the flow decreased. It is likely that phosphorus load in the Elk River will further increase should flow reach that seen in 1969 - 1990. Population increase and a shift toward greater corn production in the Neosho River basin has not resulted in large increases of phosphorus to the Neosho River over the last 30 years. However, the Neosho River maintains the highest concentration and load of phosphorus compared to the Spring and Elk Rivers.

The risk of cultural eutrophication to the lake from its major tributaries appears unabated. The OWRB's BUMP 2004 assessment concluded Grand Lake as a eutrophic lake with Fish and Wildlife propagation beneficial uses impaired (partially supporting) due to high turbidity and low dissolved oxygen (OWRB 2005). Reported water quality data showed nearly 25% of algae data was hypereutrophic; considered excessive algae growth. These recent assessments indicate eutrophication is ongoing; the lake's ability to assimilate nutrient load without increased productivity is stressed.

Literature Cited

Dutnell, R.C. 1995. Grand Lake Basin Management Plan Phase 1: Identification of Critical Area. Oklahoma Conservation Commission, Oklahoma City, OK.

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Oklahoma Water Resources Board (OWRB) and Oklahoma State University (OSU). 1995. Diagnostic and Feasibility Study of Grand Lake O' the Cherokees: Phase I of a Clean Lakes Project. Oklahoma City, OK.

Oklahoma Water Resources Board (OWRB). 2003. Grand Lake Demographics Study. Oklahoma City, OK.

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Oklahoma Water Resources Board (OWRB). 2005. Grand Lake Land Use Study. Oklahoma City, OK.

Water Quality Data Summary

- Environmental Protection Agency – STORET program
- United States Geological Survey – Water Resources program
- Oklahoma Water Resources Board

**Appendix A. Minor Point Source Dischargers- (Data from
<http://www.epa.gov/enviro/html/pcs/>)**

NPDES Permit Number	Facility Name	County Name
ARG340074	WAL-MART STORES, INC	BENTON
ARR040009	BENTONVILLE, CITY OF	BENTON
ARR040032	BENTON COUNTY	BENTON
ARR10C552	PROCON INC-S WALTON PROF PLAZA	BENTON
ARR10C669	CEI ENGINEERING ASSOCIATES INC	BENTON
ARR150068	OVERLAND DEVELOPMENT, INC.	BENTON
ARR150243	DEAN CROWDER CON.-WALTON CROSS	BENTON
ARR150244	WOODS CREEK, LLC	BENTON
ARR150258	KENSINGTON LLC-KEN SUB PH. III	BENTON
ARR150469	LOCHMOOR CLUB,LLC-LOCHMOOR SUB	BENTON
ARR150945	M & L DEVELOPMENT	BENTON
KS0000612	WESTERN RESOURCES - NEOSHO	LABETTE
KS0000701	MONARCH CEMENT CO.	ALLEN
KS0001201	ASH GROVE CEMENT - CHANUTE	NEOSHO
KS0021393	MC CUNE MWTP	CRAWFORD
KS0022551	GIRARD MWTF	CRAWFORD
KS0022632	HUMBOLDT MWTP	ALLEN
KS0024759	EDNA MWTP	LABETTE
KS0024767	LEBO MWTP	COFFEY
KS0025682	HARTFORD MWTP	LYON
KS0026131	FRONTENAC MWTP	CRAWFORD
KS0026417	LEHIGH MWTP	MARION
KS0026450	THAYER MWTP	NEOSHO
KS0027898	COUNCIL GROVE MWTP	MORRIS
KS0028533	HEPLER MWTP	CRAWFORD
KS0030589	HILLSBORO MWTP	MARION
KS0030813	LEROY MWTP	COFFEY
KS0031135	CHETOPA MWTP	LABETTE
KS0031178	STRONG CITY MWTF	CHASE
KS0031445	COLUMBUS MWTF	CHEROKEE
KS0041572	MISSION CLAY PRODUCTS	CRAWFORD
KS0045918	ALTAMONT MWTP	LABETTE
KS0045926	ARMA MWTP	CRAWFORD
KS0045934	BAXTER SPRINGS MWTP	CHEROKEE
KS0045977	ERIE MWTP	NEOSHO
KS0045993	GRIDLEY MWTP	COFFEY
KS0047406	AMERICUS MWTP	LYON
KS0047490	MORAN MWTF	ALLEN
KS0047554	OSWEGO MWTP	LABETTE
KS0047571	OLPE MWTP	LYON
KS0048135	GALENA MWTF	CHEROKEE
KS0051675	DWIGHT WWTF	MORRIS
KS0051691	MARION MWTP	MARION
KS0053660	KANSAS TURNPIKE AUTHORITY	CHASE
KS0053678	KANSAS TURNPIKE EMPORIA SERVICE AREA	LYON
KS0078905	IOLA POWER PLANT	ALLEN
KS0079146	WEIR MWTP	CHEROKEE
KS0079952	SAVONBURG MWTF	ALLEN
KS0080357	SCAMMON WWTF	CHEROKEE
KS0080861	WEST MINERAL, CITY OF WWTF	CHEROKEE
KS0080900	BARTLETT WWTF	LABETTE
KS0081060	GOESSEL WWTF	MARION
KS0081230	CHEROKEE WWTF	CRAWFORD
KS0081434	HUNT MIDWEST MINING INC	ANDERSON
KS0081698	TREECE MWTP	CHEROKEE
KS0082392	BRADFORD ACRES	CHEROKEE
KS0082473	ALLEN COUNTY QUARRY	ALLEN
KS0082589	NELSON QUARRY - BURLINGTON	COFFEY
KS0082686	NELSON QUARRY - STOKES QUARRY	ALLEN
KS0082996	WESTPHALIA WWTF	ANDERSON
KS0083887	WALNUT, CITY OF WWTF	CRAWFORD
KS0084085	WOODSON CO. IMP. DIST. #2	WOODSON
KS0084174	ST. PAUL WWTF	NEOSHO
KS0084476	WILSON CO. S.D. #1 (TULAKES)	NEOSHO
KS0085201	ALLEN CO. S.D. #1	ALLEN
KS0085782	OAK HILL MOBILE HOME PARK	CRAWFORD

NPDES Permit Number	Facility Name	County Name
KS0086657	APAC-KANSAS, INC., SHEARS DIV.L.P.-NELSON	LYON
KS0087467	MULBERRY WWTF	CRAWFORD
KS0087751	MARTIN MARIETTA (HETT/N. MARION QUARRY)	MARION
KS0087769	MARTIN MARIETTA (SUNFLOWER QUARRY)	MARION
KS0088838	MIDWEST MINERALS - #40	LABETTE
KS0088862	MIDWEST MINERALS - #5	CRAWFORD
KS0088889	MIDWEST MINERALS - #7	NEOSHO
KS0089095	HARRY BYERS & SONS	NEOSHO
KS0089184	HARSHMAN CONST. - FLORENCE QUARRY	MARION
KS0089664	COTTONWOOD FALLS, CITY OF	CHASE
KS0089907	WILSEY, CITY OF	MORRIS
KS0090417	BURLINGTON - MUNICIPAL PLT	COFFEY
KS0090581	LINCOLNVILLE	MARION
KS0090743	COFFEY CO. S.D. #1 (JACOBS CREEK)	COFFEY
KS0091057	CHEROKEE CO. S.D. #1	CHEROKEE
KS0091901	ABLE DESIGN PLASTICS WTF	CRAWFORD
KS0092193	GALESBURG WWTF	NEOSHO
KS0092312	HAMM - LOOMIS QRY #91	MORRIS
KS0092568	JAYHAWK FINE CHEMICAL CORP.	CHEROKEE
KS0094021	NEOSHO COUNTY PUBLIC WORKS ERIE QUAR	NEOSHO
KS0094251	LAHARPE WWTF	ALLEN
KS0094391	PITTSBURG TRAVEL PLAZA	CRAWFORD
KS0094412	EMPORIA INDUSTRIAL PARK III POND	LYON
KS0094439	HARSHMAN CONST.- PAXSON QUARRY	COFFEY
KS0095729	THUNDERBIRD ESTATES	LYON
KS0097560	PARSONS MWTP	LABETTE
KS0115525	MIDWEST MINERALS - #3	LABETTE
KS0115584	COUNTRY PARK MOBILE HOME PARK	LYON
KS0116122	COLONY MWTP	ANDERSON
KS0117021	NEOSHO RAPIDS WWTF	LYON
KS0117030	NEW STRAWN	COFFEY
KS0117846	PURITAN BENNETT CORP. - MILITARY PLANT	CHEROKEE
KS0118354	WHISPERING PINES MOBILE HOME PARK	CRAWFORD
MO0002372	USFWS, NEOSHO FISH HATCH	NEWTON
MO0002381	CARTHAGE CRUSHED LIMESTON	JASPER
MO0002381	CARTHAGE CRUSHED LIMESTON	JASPER
MO0002381	CARTHAGE CRUSHED LIMESTON	JASPER
MO0002381	CARTHAGE CRUSHED LIMESTON	JASPER
MO0002470	SPECIALTY BRANDS, INC.	JASPER
MO0002500	TYSON FOOD INC	MCDONALD
MO0023159	MARIONVILLE WWTF	LAWRENCE
MO0023159	MARIONVILLE WWTF	LAWRENCE
MO0025186	CARL JUNCTION WWTF	JASPER
MO0025186	CARL JUNCTION WWTF	JASPER
MO0025801	ANDERSON WWTF	MCDONALD
MO0025801	ANDERSON WWTF	MCDONALD
MO0028657	SARCOXIE WWTF	JASPER
MO0030473	LOCKWOOD WWTF	DADE
MO0030473	LOCKWOOD WWTF	DADE
MO0031658	GOLDEN CITY WWTF	BARTON
MO0034410	BLUE TOP MOTEL AND CAFE	BARTON
MO0035548	MODOT, I-44 REST AREA	NEWTON
MO0036765	SOUTH WEST CITY WWTF	MCDONALD
MO0040193	CARTERVILLE LIFT STATION	JASPER
MO0041041	WHEATON WWTF	BARRY
MO0041149	MILLER WWTF	LAWRENCE
MO0042013	DIAMOND WWTF	NEWTON
MO0043214	PURDY W LAGOON	BARRY
MO0043222	PURDY MUNICIPAL WWTF	BARRY
MO0043222	PURDY MUNICIPAL WWTF	BARRY

NPDES Permit Number	Facility Name	County Name
MO0044172	LAMAR WWTF	BARTON
MO0044202	JASPER WWTF	JASPER
MO0045837	LIBERAL WWTF	BARTON
MO0045837	LIBERAL WWTF	BARTON
MO0049948	LANAGAN HOUSING AUTH #1	MCDONALD
MO0053627	FARMLAND IND-GYPSTACK PRO	JASPER
MO0054101	FAG BEARINGS CORP	NEWTON
MO0054101	FAG BEARINGS CORP	NEWTON
MO0054101	FAG BEARINGS CORP	NEWTON
MO0054721	NOEL WWTF	MCDONALD
MO0054721	NOEL WWTF	MCDONALD
MO0082767	BUTTERBALL TURKEY COMPANY	JASPER
MO0082767	BUTTERBALL TURKEY COMPANY	JASPER
MO0082767	BUTTERBALL TURKEY COMPANY	JASPER
MO0082767	BUTTERBALL TURKEY COMPANY	JASPER
MO0083917	NICKERSON FARMS	LAWRENCE
MO0085821	RAPID ROBERTS #122	NEWTON
MO0085821	RAPID ROBERTS #122	NEWTON
MO0085961	MODOT, I-44 REST AREA	LAWRENCE
MO0086291	EXETER WWTF	BARRY
MO0089036	ALBA WWTP	JASPER
MO0092525	VERONA WWTF	LAWRENCE
MO0093998	TAMKO ROOFING PROD-RNGELN	JASPER
MO0093998	TAMKO ROOFING PROD-RNGELN	JASPER
MO0093998	TAMKO ROOFING PROD-RNGELN	JASPER
MO0093998	TAMKO ROOFING PROD-RNGELN	JASPER
MO0095362	EMPIRE, ASBURY PP	JASPER
MO0095362	EMPIRE, ASBURY PP	JASPER
MO0095362	EMPIRE, ASBURY PP	JASPER
MO0096270	FELTENBERGER ENTERPRISES/	BARTON
MO0096679	PINEVILLE WWTF	MCDONALD
MO0097446	WINTER HAVEN MHP	NEWTON
MO0099155	PIERCE CITY WWTF	LAWRENCE
MO0100251	LANAGAN HOUSING AUTH #2	MCDONALD
MO0102253	FIBREX INC,	JASPER
MO0102253	FIBREX INC,	JASPER
MO0102253	FIBREX INC,	JASPER
MO0106135	GINGER BLUE RESORT	MCDONALD
MO0106861	CONOCO, MT VERNON PRD TRM	LAWRENCE
MO0106861	CONOCO, MT VERNON PRD TRM	LAWRENCE
MO0107166	FAIRVIEW GREENHOUSE, INC.	JASPER
MO0107581	GRANBY WWTP	NEWTON
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108618	GEORGE'S PROCESSING, INC	BARRY
MO0108731	JOPLIN MUNICIPAL LANDFILL	JASPER
MO0108766	SOUTHERN STAR CNTRL GAS	NEWTON
MO0108782	TRAVEL CENTERS OF AMERICA	LAWRENCE
MO0108782	TRAVEL CENTERS OF AMERICA	LAWRENCE
MO0108782	TRAVEL CENTERS OF AMERICA	LAWRENCE
MO0108952	SIMMONS HATCHERY	MCDONALD
MO0109274	FREISTATT WWTF	LAWRENCE
MO0109355	WASHBURN WWTF	BARRY
MO0109541	C & T REFINERY, LLC	JASPER
MO0110272	LAMAR CLOSED LANDFILL	BARTON
MO0110299	JOHN SIM LLC WWTF	NEWTON
MO0111023	SELIGMAN WWTF	BARRY
MO0111023	SELIGMAN WWTF	BARRY
MO0111325	INTERNATIONAL PAPER	JASPER
MO0111325	INTERNATIONAL PAPER	JASPER
MO0111741	T & C DISPOSAL, INC	LAWRENCE
MO0112046	LAMAR SANITARY & DEMOLITI	BARTON
MO0112101	TALBOT IND,INC - PLANT #2	NEWTON
MO0112101	TALBOT IND,INC - PLANT #2	NEWTON
MO0112119	TALBOT INDUST,INC,PLNT #1	NEWTON

NPDES Permit Number	Facility Name	County Name
MO0112500	AMERICAN DEHYDRATED FOODS	LAWRENCE
MO0112500	AMERICAN DEHYDRATED FOODS	LAWRENCE
MO0112500	AMERICAN DEHYDRATED FOODS	LAWRENCE
MO0112500	AMERICAN DEHYDRATED FOODS	LAWRENCE
MO0112500	AMERICAN DEHYDRATED FOODS	LAWRENCE
MO0112534	GOODMAN WWTP	MCDONALD
MO0112534	GOODMAN WWTP	MCDONALD
MO0112631	FAIRVIEW WWTF	NEWTON
MO0113506	EBV EXPLOSIVES ENVIRO CO	JASPER
MO0113506	EBV EXPLOSIVES ENVIRO CO	JASPER
MO0114740	ASBURY WWTF	JASPER
MO0115169	HICKORY LANE MHP	JASPER
MO0115321	STOTTS CITY WWTF	LAWRENCE
MO0115631	KCSRC, NEOSHO YARD MECH	NEWTON
MO0115631	KCSRC, NEOSHO YARD MECH	NEWTON
MO0116351	PILOT TRAVEL CTR-NO. 317	NEWTON
MO0116351	PILOT TRAVEL CTR-NO. 317	NEWTON
MO0116581	MINDENMINES WWTF	BARTON
MO0116858	MISSOURI STEEL CASTINGS	JASPER
MO0116858	MISSOURI STEEL CASTINGS	JASPER
MO0116858	MISSOURI STEEL CASTINGS	JASPER
MO0116858	MISSOURI STEEL CASTINGS	JASPER
MO0116858	MISSOURI STEEL CASTINGS	JASPER
MO0116866	JOPLIN REG STOCKYARD WWTP	JASPER
MO0116866	JOPLIN REG STOCKYARD WWTP	JASPER
MO0116874	EMPIRE ENERGY CENTER	JASPER
MO0116882	COACHLIGHT RV PARK	JASPER
MO0117242	MCDONALD'S I-44 & HWY 43	NEWTON
MO0117978	ROGER HINES DUPLEX DEV WW	JASPER
MO0120456	SUPER 8 MOTEL WWTF	BARTON
MO0120561	WILKINSON RV PARK	NEWTON
MO0120634	WENTWORTH WWTF	NEWTON
MO0120669	RAZORBACK PIPELIN/MT VERN	LAWRENCE
MO0120669	RAZORBACK PIPELIN/MT VERN	LAWRENCE
MO0120791	MATTES BROS CONST CO, INC	JASPER
MO0120791	MATTES BROS CONST CO, INC	JASPER
MO0120791	MATTES BROS CONST CO, INC	JASPER
MO0121045	PRAIRIE VIEW REG WASTE FA	BARTON
MO0121941	CHRISTIAN HEALTH CARE TER	BARTON
MO0123986	QUAIL MEADOWS MHP	NEWTON
MO0124028	LAMAR KOA KAMPGROUND	BARTON
MO0124281	STELLA WWTF	NEWTON
MO0124541	SUNSET MHP	JASPER
MO0125164	CAMP BARNABAS	BARRY
MO0125440	GILD CORP SHOPPING CENTER	MCDONALD
MO0125857	BRONC BUSTERS WWTF	NEWTON
MO0125989	BOON DOCKS RESTAURANT & N	LAWRENCE
MO0126039	WESTGATE MOBILE HOME PARK	JASPER
MO0126292	VILLAGE OF BUTTERFIELD	BARRY
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON

NPDES Permit Number	Facility Name	County Name
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126683	MURPHY, DOYLESPORT PYRAMD	BARTON
MO0126713	EMPIRE ELECTRIC, ST LN PP	JASPER
MO0127647	BAPTIST HILL CAMP WWTF	LAWRENCE
MO0128155	PCS PHOSPHATE-JOPLIN PLNT	JASPER
MO0128241	DAIRY FARMERS OF AMERICA	BARRY
MO0129291	LEGGETT & PLATT - CORPORA	JASPER
MOG010006	YOUNGBLOOD, MARTIN	NEWTON
MOG010029	MISEMER, SCOTT	LAWRENCE
MOG010029	MISEMER, SCOTT	LAWRENCE
MOG010032	LANEY, KATHY	BARRY
MOG010033	POVERTY HILL TURKEY FARM	JASPER
MOG010053	MISEMER, BOB	LAWRENCE
MOG010112	CAMPBELL FAMILY FARM, INC	BARRY
MOG010119	TRIMBLE, GREG	LAWRENCE
MOG010121	MARSHALL, LEONARD	NEWTON
MOG010126	FREEMAN FARMS	JASPER
MOG010136	HARTMAN, LAWRENCE & DEBRA	JASPER
MOG010142	SOMBAT, CHIT-ARKHAH	BARRY
MOG010143	COLE, DAVID	NEWTON
MOG010183	CIRCLE K	NEWTON
MOG010189	WILSON, GLORIA	NEWTON
MOG010198	CARR, ALLEN & LINDA	LAWRENCE
MOG010199	MCCALLISTER, JOHN	BARRY
MOG010279	WILLOW BROOK-ROLLING HILL	BARRY
MOG010280	SIMMONS #25 AND #26	MCDONALD
MOG010281	SIMMONS #24	MCDONALD
MOG010282	SIMMONS #23	MCDONALD
MOG010283	SIMMONS #22	MCDONALD
MOG010284	SIMMONS #21	MCDONALD
MOG010286	WILLOW BROOK FOODS-TERRY	BARRY
MOG010287	TYSON BEAR HOLLOW	MCDONALD
MOG010288	TYSON LEE PINE FARM	MCDONALD
MOG010289	TYSON MUSTEEN FARM	MCDONALD
MOG010290	TYSON PEA RIDGE FARM	MCDONALD
MOG010291	MOUNTAIN RIDGE FARM	MCDONALD
MOG010292	SIMMONS #27	MCDONALD
MOG010293	SIMMONS #28	MCDONALD
MOG010294	SIMMONS #29	MCDONALD
MOG010295	SIMMONS #30	MCDONALD
MOG010296	SIMMONS COMPANY FARM #31	MCDONALD
MOG010297	SIMMONS COMPANY FARM #32	MCDONALD
MOG010298	SIMMONS #33	MCDONALD
MOG010299	SIMMONS #34	MCDONALD
MOG010304	KATHY VANG & NA LOR	BARRY
MOG010305	HURN, STEVE AND CARLA	LAWRENCE
MOG010306	NORTH COUNTRY FARM	BARRY
MOG010308	XIONG, TOU & NENG	MCDONALD
MOG010309	BRATTIN, JOE	NEWTON
MOG010311	MALONEY, HUGH AND ROBERTA	BARRY
MOG010313	BERG, BILL	BARRY
MOG010314	CARLIN, JOE	MCDONALD
MOG010315	HUTCHENS, TOM AND CAROLYN	BARRY
MOG010317	COBB-VANTRESS, INC	MCDONALD
MOG010318	WILLOW BROOK FOODS-SMITH	BARRY
MOG010319	WILSON, BILL & CHARLES	MCDONALD
MOG010320	DUNAWAY STOCK FARM	NEWTON
MOG010321	BOOTH FARMS, INC.	MCDONALD
MOG010322	CHARLES BLOUNT	LAWRENCE
MOG010323	ANDERSON, GARY	BARRY
MOG010323	ANDERSON, GARY	BARRY
MOG010325	WRIGHT, FELIX	JASPER
MOG010326	CARDER, ROBERT	BARRY
MOG010327	BELLON, TONY	BARRY
MOG010328	MOORE, TIMOTHY & PENNY	DADE

Appendix B. Demographics – (Data from Grand Lake Demographics Study 2003, Oklahoma Water Resources Board)

Table 1. Demographics for Grand Lake Watershed					
State	Population	Area (sq miles)	Percentage of Population in Watershed	Origin of Grand Lake state parks visitors	Percent of visitors from each state
Oklahoma	57,580	877.13	11.2%	309	75.7%
Arkansas	51,181	244.32	9.9%	5	1.2%
Kansas	174,080	6,301.04	33.7%	6	1.5%
Missouri	233,336	2,908.28	45.2%	81	19.9%
Watershed Total	516,177	10,331	100%	408	100%

Table 2. Population of Oklahoma counties within eighty kilometer radius of Grand Lake							
County	Population		Change in Population 1986-2000	Population Projections 2020	Change in Population 2000-2020	Density (people per sq mile) 1986	Total Sq. Mi. 2000
	1986	2000					
Ottawa	33,900	33,194	-2.08%	37,300	12.37%	72.9	70.4
Craig	15,100	14,950	-0.99%	18,300	22.41%	19.8	19.6
Delaware	28,000	37,077	32.42%	49,900	34.58%	38.9	50.1
Mayes	35,000	38,369	9.63%	46,300	20.67%	54.3	58.5
Rogers	55,700	70,641	26.82%	90,000	27.40%	81.6	104.7
Cherokee	34,800	42,521	22.19%	57,900	36.17%	46.5	56.6
Adair	19,800	21,038	6.25%	28,800	36.90%	34.3	36.5
Nowata	11,000	10,569	-3.92%	13,700	29.62%	20.4	18.7
County Totals	233,300	268,359	15.03%	342,200	27.52%	46.1	51.9
State Total	3,305,000	3,450,654	4.41%	-----	-----	48.1	50.3
% of State Population in counties							
	1986	7.06			2000	7.78	

Table 3. Population of Oklahoma cities within eighty kilometer radius of Grand Lake					
City	Population		Change in Population 1986-2000	Population Projections 2020	Change in Population 2000-2020
	1986	2000			
Miami	14,200	13,074	-7.93%	15,400	17.79%
Claremore	16,290	15,873	-2.56%	20,220	27.39%
Vinita	6,740	6,472	-3.98%	7,920	22.37%
Pryor	8,400	8,659	3.08%	10,450	20.68%
Tahlequah	12,930	14,458	11.82%	21,160	46.35%
Afton	2,500	1,118	-55.28%	1,260	12.70%
Nowata	4,110	3,971	-3.38%	5,150	29.69%
Chouteau	<2500	1,931	-----	2,330	20.66%
Locust Grove	<2500	1,366	-----	1,650	20.79%
Grove	3,378	5,131	51.89%	6,910	34.67%
Jay	<2500	2,482	-----	3,340	34.57%

Table 4. Population of Kansas counties within eighty kilometer radius of Grand Lake

County	Population		Change in Population	Population Projections	Change in Population	Density (people per sq mile)		Total Sq. Mi.
	1986	2000				1986	2000	
Labette	25,400	22,835	-10.10%	22,318	-2.26%	38.9	35.2	653.3
Cherokee	22,200	22,605	1.82%	26,429	16.92%	37.6	38.5	590.96
County Total	47,600	45,440	-4.54%	48,747	7.28%	38.25	36.85	1,244
State Total	2,460,000	2,688,418	9.29%	3,116,653	15.93%	30.1	32.9	82,277
% of State Population in counties								
	1986	1.93			2000	1.69		

Table 5. Population of Kansas cities within eighty kilometer radius of Grand Lake

City	Population		Change in Population	Population Projections	Change in Population	
	1986	2000			2020	2000-2020
Oswego	<2500	2,046	-----	1,912		-6.55%
Columbus	3,410	3,396	-0.41%	4,018		18.32%
Coffeyville	13,970	11,021	-21.11%	11,563		4.92%
Chetopa	<2500	1,281	-----	1,401		9.37%
Baxter Springs	4,450	4,602	3.42%	4,487		-2.50%

Table 6. Population of Arkansas counties within eighty kilometer radius of Grand Lake

County	Population		Change in Population	Population Projections	Change in Population	Density (people per sq mile)		Total Sq. Mi.
	1986	2000				1986	2000	
Benton	89,000	153,406	72.37%	215,805	40.68%	105.6	181.3	880.24
Washington	107,400	157,715	46.85%	198,402	25.80%	112.9	166.1	956.01
County Total	196,400	311,121	58.41%	414,207	33.13%	109.25	173.7	1,836
State Total	2,372,000	2,673,400	12.71%	2,933,080	9.71%	45.5	51.3	53,179

Table 7. Population of Arkansas cities within eighty kilometer radius of Grand Lake

City	Population		Change in Population
	1986	2000	
Fayetteville	40,110	58,047	44.72%
Bentonville	10,960	19,730	80.02%
Rogers	21,290	38,829	82.38%
Springdale	26,170	45,798	75.00%
Siloam Springs	8,450	10,843	28.32%
Gravette	<2500	1,810	-----

Table 8. Population of Missouri counties within eighty kilometer radius of Grand Lake

County	Population		Change in Population	Population Projections	Change in Population	Density (people per sq mile)		Total Sq. Mi.
	1986	2000				1986	2000	
Newton	43,400	52,636	21.28%	59,153	12.38%	69.2	84	626.66
McDonald	15,900	21,681	36.36%	27,675	27.65%	29.4	40.2	539.7
Jasper	89,500	104,686	16.97%	120,613	15.21%	139.6	163.6	641.32
County Total	148,800	179,003	20.30%	207,441	15.89%	79.4	95.9	1,808
State Total	5,066,000	5,595,211	10.45%	6,076,924	8.61%	73.5	81.2	69,704
% of State Population in counties								
	1986	2.94			2000	3.20		

Table 9. Population of Missouri cities within eighty kilometer radius of Grand Lake

City	Population		Change in Population
	1986	2000	1986-2000
Joplin	40,220	45,504	13.14%
Carthage	11,240	12,668	12.70%
Neosho	9,790	10,505	7.30%
Anderson	<2500	1,856	-----
Webb City	7,250	9,812	35.34%
Seneca	<2500	2,135	-----

Table 10. Census Statistics for Grand Lake Watershed

Number of census blocks with their center within the watershed	36,457		
Demographics by state by census block within the watershed	Population	Area (sq miles)	Percentage of Population in Watershed
Oklahoma	57,580	877.13	11.2%
Arkansas	51,181	244.32	9.9%
Kansas	174,080	6,301.04	33.7%
Missouri	233,336	2,908.28	45.2%
Demographics for entire watershed	516,177	10,331	100%

Table 11. Census Statistics for Cities in the Grand Lake Watershed

City	State	1990 Population	2000 Population	Change in Population	2010 Projected Population	2020 Projected Population
Grove	OK	4020	5131	27.6%	6010	6910
Miami	OK	13142	13074	-0.5%	14410	15400
Bentonville	AK	11285	19730	74.8%	-----	-----
Baxter Springs	KS	4351	4650	6.9%	4452	4487
Chanute	KS	9488	9411	-0.8%	9546	9571
Emporia	KS	25512	26760	4.9%	26959	27454
Iola	KS	6351	6302	-0.8%	6052	5892
Parsons	KS	11924	11541	-3.2%	10433	9764
Pittsburg	KS	17775	19243	8.3%	19046	19659
Aurora	MO	6547	7014	7.1%	-----	-----
Carl Junction	MO	4125	5294	28.3%	-----	-----
Carthage	MO	10747	12668	17.9%	-----	-----
Joplin	MO	40956	45504	11.1%	-----	-----
Lamar	MO	4168	4425	6.2%	-----	-----
Monett	MO	6528	7396	13.3%	-----	-----
Neosho	MO	9254	10505	13.5%	-----	-----
Webb City	MO	7449	9812	31.7%	-----	-----

Table 12. Arkansas Poultry Inventory and Sales

County	Item	1987	1992	1997	Change 1987-1997
Benton	Farms (number)	2,441	2,244	2,323	-4.8%
	Broilers and other meat-type chickens sold (farms)	363	303	329	-9.4%
	Broilers and other meat-type chickens sold (number)	68,896,889	93,596,018	113,132,954	64.2%
Washington	Farms (number)	2,853	2,539	2,476	-13.2%
	Broilers and other meat-type chickens sold (farms)	513	366	302	-41.1%
	Broilers and other meat-type chickens sold (number)	89,908,133	93,108,511	102,347,152	13.8%

Table 13. Origins of Grand Lake state parks visitors

State	Number of visitors from survey		
	1987	2002	% change
Arkansas	11	5	-55
Kansas	4	6	50
Missouri	3	81	2600
Oklahoma	116	309	166
Other	6	7	17
Total	140	408	191

Table 14. Origins of 2002 Grand Lake state parks visitors by park

Park	State	Number of visitors from survey	Mean oneway miles	Median oneway miles
Bernice State Park	Arkansas	1	80	35
	Kansas	1		
	Missouri	11		
	Oklahoma	67		
	Other	6		
Cherokee State Park	Arkansas	2	40	25
	Kansas	0		
	Missouri	5		
	Oklahoma	65		
	Other	0		
Disney Little Blue State Park	Arkansas	0	11	10
	Kansas	0		
	Missouri	0		
	Oklahoma	37		
	Other	0		
Honey Creek State Park	Arkansas	0	64	40
	Kansas	5		
	Missouri	38		
	Oklahoma	82		

	Other	0		
Twin Bridges State Park	Arkansas	2	38	30
	Kansas	0		
	Missouri	27		
	Oklahoma	58		
	Other	1		

Table 15. Revenues of Grand Lake state parks				
Park	FY00	FY01	FY02	FY03
Bernice State Park	\$32,416	\$34,875	\$42,716	\$40,418
Cherokee State Park	\$43,053	\$44,354	\$39,270	\$44,858
Disney Little Blue State Park	\$0	\$0	\$0	
Honey Creek State Park	\$67,863	\$62,226	\$66,645	\$66,443
Twin Bridges State Park	\$69,293	\$68,520	\$77,010	\$80,971
TOTAL	\$212,625	\$209,975	\$225,641	\$232,690

Appendix C. Land Use (Nonpoint Source) - (Data from Grand Lake Land Use Study 2005, Oklahoma Water Resources Board)

State	Year	Crop Land	CRP Land	Total Grazed Land	Forest Land	Minor Use	Total Rural Land	Water	Federal Land	Urban/Transport	Total Areas
Arkansas	1982	8,101	-	5,705	14,901	326	29,033	819	3,042	1,143	34,037
	1987	7,975	96	5,679	14,869	337	28,955	853	3,049	1,180	34,037
	1992	7,730	235	5,604	14,914	352	28,835	859	3,103	1,240	34,037
	1997	7,625	230	5,389	15,011	384	28,638	887	3,103	1,409	34,037
Kansas	1982	29,118	-	18,657	1,457	700	49,932	517	494	1,719	52,661
	1987	28,501	649	18,599	1,461	693	49,903	517	495	1,745	52,661
	1992	26,566	2,863	18,118	1,547	701	49,795	519	504	1,843	52,661
	1997	26,524	2,849	18,050	1,546	716	49,685	532	504	1,940	52,661
Missouri	1982	15,000	-	12,716	11,456	675	39,848	762	1,920	2,084	44,606
	1987	14,386	571	12,313	11,817	659	39,746	794	1,890	2,184	44,606
	1992	13,348	1,602	11,935	12,072	650	39,607	810	1,905	2,293	44,606
	1997	13,751	1,606	10,936	12,431	634	39,358	822	1,916	2,517	44,606
Oklahoma	1982	11,569	-	22,195	6,808	408	40,980	1,003	1,162	1,594	44,738
	1987	10,903	591	21,998	6,959	441	40,892	1,020	1,149	1,678	44,738
	1992	10,081	1,162	21,959	7,127	468	40,798	1,042	1,148	1,750	44,738
	1997	9,737	1,138	21,996	7,281	459	40,610	1,053	1,148	1,926	44,738

reported as 1,000 acres

State	Year	Percent Rural Land	Minor Use a.k.a other rural	Urban	Rural transportation	Urban/Transportation Calculated	Pasture Land	Range Land
Arkansas	1982	85.30%				1,143	5,659	46
	1987	85.07%				1,180	5,633	46
	1992	84.72%				1,240	5,566	38
	1997	84.14%				1,409	5,351	38
Kansas	1982	94.82%	700	773	945.5	1,719	2,160	16,497
	1987	94.76%	693.1	797.9	947.3	1,745	2,205	16,394
	1992	94.56%	700.8	902.4	941	1,843	2,320	15,798
	1997	94.35%	716	994.1	945.8	1,940	2,322	15,728
Missouri	1982	89.33%	674.8	1229	854.9	2,076	12,573	143
	1987	89.10%	659.1	1333.4	850.5	2,176	12,208	105
	1992	88.79%	649.8	1444.8	848.4	2,285	11,834	101
	1997	88.24%	633.8	1664.4	853	2,510	10,849	88
Oklahoma	1982	91.60%	408.4	921.9	671.6	1,594	7,212	14,983
	1987	91.40%	440.8	1007.6	670.1	1,678	7,579	14,419
	1992	91.19%	468.4	1075.2	674.4	1,750	7,813	14,146
	1997	90.77%	458.8	1251.2	675.1	1,926	7,963	14,033

reported as 1,000 acres

Appendix D. Point Source Discharge Flow Raw Data (from EPA website:
<http://www.epa.gov/enviro/html/pcs>)

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
AR0022403	31-Jan-98	50050	6.597	13.204	4.256	8.519
AR0022403	28-Feb-98	50050	5.141	8.200	3.317	5.29
AR0022403	31-Mar-98	50050	6.898	12.374	4.450	7.983
AR0022403	30-Apr-98	50050	4.244	6.267	2.738	4.043
AR0022403	31-May-98	50050	4.360	9.695	2.813	6.255
AR0022403	30-Jun-98	50050	3.861	4.710	2.491	3.039
AR0022403	31-Jul-98	50050	3.836	4.700	2.475	3.032
AR0022403	31-Aug-98	50050	3.847	5.096	2.482	3.288
AR0022403	30-Sep-98	50050	3.813	9.440	2.460	6.09
AR0022403	31-Oct-98	50050	4.227	8.558	2.727	5.521
AR0022403	30-Nov-98	50050	4.306	7.149	2.778	4.612
AR0022403	31-Dec-98	50050	4.286	5.445	2.765	3.513
AR0022403	31-Jan-99	50050	4.362	6.677	2.814	4.308
AR0022403	28-Feb-99	50050	5.121	10.236	3.304	6.604
AR0022403	31-Mar-99	50050	6.504	11.811	4.196	7.62
AR0022403	30-Apr-99	50050	5.937	9.212	3.830	5.943
AR0022403	31-May-99	50050	6.651	10.805	4.291	6.971
AR0022403	30-Jun-99	50050	7.070	11.203	4.561	7.228
AR0022403	31-Jul-99	50050	5.286	11.775	3.410	7.597
AR0022403	31-Aug-99	50050	3.937	5.024	2.540	3.241
AR0022403	30-Sep-99	50050	3.889	5.437	2.509	3.508
AR0022403	31-Oct-99	50050	3.745	4.639	2.416	2.993
AR0022403	30-Nov-99	50050	3.877	5.943	2.501	3.834
AR0022403	31-Dec-99	50050	4.698	8.172	3.031	5.272
AR0022403	31-Jan-00	50050	4.140	8.289	2.671	5.348
AR0022403	29-Feb-00	50050	4.121	5.222	2.659	3.369
AR0022403	31-Mar-00	50050	4.986	9.333	3.217	6.021
AR0022403	30-Apr-00	50050	4.385	6.417	2.829	4.14
AR0022403	31-May-00	50050	5.592	8.925	3.608	5.758
AR0022403	30-Jun-00	50050	8.373	18.966	5.402	12.236
AR0022403	31-Jul-00	50050	5.003	10.337	3.228	6.669
AR0022403	31-Aug-00	50050	3.887	4.827	2.508	3.114
AR0022403	30-Sep-00	50050	4.044	7.984	2.609	5.151
AR0022403	31-Oct-00	50050	3.706	5.132	2.391	3.311
AR0022403	30-Nov-00	50050	4.915	7.637	3.171	4.927
AR0022403	31-Dec-00	50050	4.346	7.018	2.804	4.528
AR0022403	31-Jan-01	50050	5.180	8.923	3.342	5.757
AR0022403	28-Feb-01	50050	7.341	14.245	4.736	9.19
AR0022403	31-Mar-01	50050	4.994	6.443	3.222	4.157
AR0022403	30-Apr-01	50050	4.142	5.451	2.672	3.517
AR0022403	31-May-01	50050	5.217	10.272	3.366	6.627
AR0022403	30-Jun-01	50050	4.495	6.611	2.900	4.265
AR0022403	31-Jul-01	50050	4.312	7.964	2.782	5.138
AR0022403	31-Aug-01	50050	4.140	5.148	2.671	3.321
AR0022403	30-Sep-01	50050	4.326	7.741	2.791	4.994
AR0022403	31-Oct-01	50050	5.158	10.238	3.328	6.605
AR0022403	30-Nov-01	50050	4.607	7.725	2.972	4.984
AR0022403	31-Dec-01	50050	6.558	15.299	4.231	9.87
AR0022403	31-Jan-02	50050	5.000	10.331	3.226	6.665
AR0022403	28-Feb-02	50050	6.304	9.040	4.067	5.832
AR0022403	31-Mar-02	50050	6.288	9.712	4.057	6.266
AR0022403	30-Apr-02	50050	6.443	13.536	4.157	8.733
AR0022403	31-May-02	50050	7.761	12.863	5.007	8.299
AR0022403	30-Jun-02	50050	5.534	8.525	3.570	5.5
AR0022403	31-Jul-02	50050	5.289	9.044	3.412	5.835
AR0022403	31-Aug-02	50050	4.723	7.690	3.047	4.961
AR0022403	30-Sep-02	50050	4.534	5.588	2.925	3.605
AR0022403	31-Oct-02	50050	4.334	6.183	2.796	3.989
AR0022403	30-Nov-02	50050	4.055	4.574	2.616	2.951
AR0022403	31-Dec-02	50050	5.284	8.541	3.409	5.51
AR0022403	31-Jan-03	50050	4.421	6.358	2.852	4.102
AR0022403	28-Feb-03	50050	5.462	8.074	3.524	5.209
AR0022403	31-Mar-03	50050	5.568	8.072	3.592	5.208
AR0022403	30-Apr-03	50050	4.679	6.335	3.019	4.087
AR0022403	31-May-03	50050	6.857	10.309	4.424	6.651
AR0022403	30-Jun-03	50050	5.478	11.610	3.534	7.49
AR0022403	31-Jul-03	50050	4.870	8.677	3.142	5.598
AR0022403	31-Aug-03	50050	4.573	7.535	2.950	4.861
AR0022403	30-Sep-03	50050	5.098	9.295	3.289	5.997
AR0022403	31-Oct-03	50050	4.757	7.105	3.069	4.584
AR0022403	30-Nov-03	50050	5.690	9.288	3.671	5.992
AR0022403	31-Dec-03	50050	5.447	8.539	3.514	5.509
AR0022403	31-Jan-04	50050	6.175	11.031	3.984	7.117

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
AR0022403	29-Feb-04	50050	5.411	7.023	3.491	4.531
AR0022403	31-Mar-04	50050	6.904	11.823	4.454	7.628
AR0022403	30-Apr-04	50050	7.590	16.641	4.897	10.736
AR0022403	31-May-04	50050	6.783	15.047	4.376	9.708
AR0022403	30-Jun-04	50050	5.358	7.003	3.457	4.518
AR0022403	31-Jul-04	50050	7.787	14.372	5.024	9.272
AR0022403	31-Aug-04	50050	5.676	10.066	3.662	6.494
AR0022403	30-Sep-04	50050	4.884	6.682	3.151	4.311
AR0022403	31-Oct-04	50050	5.706	9.398	3.681	6.063
AR0022403	30-Nov-04	50050	8.378	15.357	5.405	9.908
AR0022403	31-Dec-04	50050	7.172	14.121	4.627	9.11
AR0022403	31-Jan-05	50050	9.376	18.293	6.049	11.802
AR0022403	28-Feb-05	50050	5.411	7.023	3.491	4.531
AR0022403	31-Mar-05	50050	6.973	8.623	4.499	5.563
AR0022403	30-Apr-05	50050	7.883	12.051	5.086	7.775
AR0022403	31-May-05	50050	6.353	10.886	4.099	7.023
AR0022403	30-Jun-05	50050	6.431	11.197	4.149	7.224
AR0022403	31-Jul-05	50050	5.868	8.469	3.786	5.464
AR0022403	31-Aug-05	50050	6.068	8.716	3.915	5.623
AR0022403	30-Sep-05	50050	5.857	8.178	3.779	5.276
AR0022403	31-Oct-05	50050	5.520	7.522	3.561	4.853
AR0022403	30-Nov-05	50050	5.499	6.797	3.548	4.385
AR0022403	31-Dec-05	50050	5.244	6.291	3.383	4.059
KS0000817	31-Jan-98	50050	0.826	1.705	0.533	1.1
KS0000817	28-Feb-98	50050	1.438	4.185	0.928	2.7
KS0000817	31-Mar-98	50050	0.763	1.473	0.492	0.95
KS0000817	31-May-98	50050	1.314	4.185	0.848	2.7
KS0000817	30-Jun-98	50050	1.318	3.410	0.85	2.2
KS0000817	30-Jun-98	50050	2.403	3.720	1.55	2.4
KS0000817	31-Jul-98	50050	2.480	3.100	1.6	2
KS0000817	31-Aug-98	50050	2.434	4.650	1.57	3
KS0000817	30-Sep-98	50050	2.248	2.945	1.45	1.9
KS0000817	31-Oct-98	50050	2.883	3.255	1.86	2.1
KS0000817	30-Nov-98	50050	1.090	2.480	0.703	1.6
KS0000817	30-Nov-98	50050	2.217	3.100	1.43	2
KS0000817	31-Dec-98	50050	1.056	1.860	0.681	1.2
KS0000817	31-Dec-98	50050	2.356	2.790	1.52	1.8
KS0000817	31-Jan-99	50050	2.558	2.945	1.65	1.9
KS0000817	28-Feb-99	50050	2.620	2.790	1.69	1.8
KS0000817	31-Mar-99	50050	2.542	2.790	1.64	1.8
KS0000817	30-Apr-99	50050	2.558	3.100	1.65	2
KS0000817	31-May-99	50050	0.987	1.535	0.637	0.99
KS0000817	31-May-99	50050	2.666	3.255	1.72	2.1
KS0000817	30-Jun-99	50050	2.713	2.790	1.75	1.8
KS0000817	31-Jul-99	50050	2.341	3.100	1.51	2
KS0000817	31-Aug-99	50050	2.790	2.945	1.8	1.9
KS0000817	30-Sep-99	50050	2.821	4.185	1.82	2.7
KS0000817	31-Oct-99	50050	2.527	3.100	1.63	2
KS0000817	30-Nov-99	50050	2.310	2.790	1.49	1.8
KS0000817	31-Dec-99	50050	0.986	3.100	0.636	2
KS0000817	31-Jan-00	50050	2.108	2.945	1.36	1.9
KS0000817	29-Feb-00	50050	1.384	2.635	0.893	1.7
KS0000817	29-Feb-00	50050	2.077	2.790	1.34	1.8
KS0000817	31-Mar-00	50050	2.000	2.635	1.29	1.7
KS0000817	31-May-00	50050	0.477	1.147	0.308	0.74
KS0000817	31-May-00	50050	2.217	2.635	1.43	1.7
KS0000817	30-Jun-00	50050	0.775	0.775	0.5	0.5
KS0000817	30-Jun-00	50050	2.449	2.635	1.58	1.7
KS0000817	31-Jul-00	50050	2.294	2.790	1.48	1.8
KS0000817	31-Aug-00	50050	2.620	2.635	1.69	1.7
KS0000817	30-Sep-00	50050	2.558	2.635	1.65	1.7
KS0000817	31-Oct-00	50050	0.364	1.147	0.235	0.74
KS0000817	31-Oct-00	50050	2.372	2.790	1.53	1.8
KS0000817	30-Nov-00	50050	0.155	0.310	0.1	0.2
KS0000817	30-Nov-00	50050	1.829	2.790	1.18	1.8
KS0000817	31-Dec-00	50050	2.248	3.100	1.45	2
KS0000817	31-Jan-01	50050	0.612	2.449	0.395	1.58
KS0000817	31-Jan-01	50050	1.721	2.635	1.11	1.7
KS0000817	28-Feb-01	50050	2.744	4.650	1.77	3
KS0000817	28-Feb-01	50050	3.565	9.021	2.3	5.82
KS0000817	31-Mar-01	50050	0.310	0.310	0.2	0.2
KS0000817	31-Mar-01	50050	2.527	2.635	1.63	1.7
KS0000817	30-Apr-01	50050	0.233	0.310	0.15	0.2

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0000817	31-May-01	50050	1.029	4.216	0.664	2.72
KS0000817	31-May-01	50050	2.449	2.635	1.58	1.7
KS0000817	30-Jun-01	50050	2.542	2.635	1.64	1.7
KS0000817	30-Jun-01	50050	9.843	23.560	6.35	15.2
KS0000817	31-Jul-01	50050	2.031	3.100	1.31	2
KS0000817	31-Aug-01	50050	0.031	0.031	0.02	0.02
KS0000817	31-Aug-01	50050	2.728	2.945	1.76	1.9
KS0000817	30-Sep-01	50050	2.496	9.021	1.61	5.82
KS0000817	30-Sep-01	50050	2.511	2.945	1.62	1.9
KS0000817	31-Oct-01	50050	2.387	2.635	1.54	1.7
KS0000817	30-Nov-01	50050	0.310	0.310	0.2	0.2
KS0000817	30-Nov-01	50050	1.736	2.635	1.12	1.7
KS0000817	31-Dec-01	50050	0.310	0.310	0.2	0.2
KS0000817	31-Dec-01	50050	1.074	2.480	0.693	1.6
KS0000817	31-Jan-02	50050	0.186	0.310	0.12	0.2
KS0000817	31-Jan-02	50050	0.946	4.650	0.61	3
KS0000817	28-Feb-02	50050	0.310	0.310	0.2	0.2
KS0000817	28-Feb-02	50050	1.215	3.565	0.784	2.3
KS0000817	28-Feb-02	50050	2.759	3.875	1.78	2.5
KS0000817	31-Mar-02	50050	0.310	0.310	0.2	0.2
KS0000817	31-Mar-02	50050	2.558	3.255	1.65	2.1
KS0000817	30-Apr-02	50050	0.310	0.310	0.2	0.2
KS0000817	30-Apr-02	50050	2.434	2.945	1.57	1.9
KS0000817	30-Apr-02	50050	3.751	3.875	2.42	2.5
KS0000817	31-May-02	50050	1.969	2.635	1.27	1.7
KS0000817	31-May-02	50050	2.046	9.021	1.32	5.82
KS0000817	30-Jun-02	50050	1.674	4.185	1.08	2.7
KS0000817	30-Jun-02	50050	2.263	2.635	1.46	1.7
KS0000817	31-Jul-02	50050	0.248	0.310	0.16	0.2
KS0000817	31-Jul-02	50050	2.403	2.635	1.55	1.7
KS0000817	31-Aug-02	50050	2.759	3.100	1.78	2
KS0000817	30-Sep-02	50050	2.496	2.790	1.61	1.8
KS0000817	31-Oct-02	50050	0.843	2.449	0.544	1.58
KS0000817	31-Oct-02	50050	2.589	3.100	1.67	2
KS0000817	30-Nov-02	50050	0.310	0.310	0.2	0.2
KS0000817	30-Nov-02	50050	2.542	2.790	1.64	1.8
KS0000817	31-Dec-02	50050	0.155	0.310	0.1	0.2
KS0000817	31-Dec-02	50050	2.496	2.790	1.61	1.8
KS0000817	31-Jan-03	50050	0.062	0.310	0.04	0.2
KS0000817	31-Jan-03	50050	2.263	2.635	1.46	1.7
KS0000817	28-Feb-03	50050	2.197	2.635	1.4175	1.7
KS0000817	31-Mar-03	50050	2.390	2.480	1.54193	1.6
KS0000817	30-Apr-03	50050	2.330	2.635	1.50333	1.7
KS0000817	30-Apr-03	50050	4.069	5.735	2.625	3.7
KS0000817	31-May-03	50050	2.300	2.945	1.48387	1.9
KS0000817	30-Jun-03	50050	2.465	2.635	1.59	1.7
KS0000817	31-Jul-03	50050	2.520	2.790	1.6258	1.8
KS0000817	31-Aug-03	50050	2.520	2.790	1.6258	1.8
KS0000817	30-Sep-03	50050	2.542	2.790	1.64	1.8
KS0000817	31-Oct-03	50050	2.670	2.945	1.72258	1.9
KS0000817	30-Nov-03	50050	1.142	2.790	0.73666	1.8
KS0000817	31-Dec-03	50050	0.990	2.945	0.6387	1.9
KS0000817	31-Dec-03	50050	1.085	3.255	0.7	2.1
KS0000817	31-Jan-04	50050	2.171	2.480	1.40096	1.6
KS0000817	29-Feb-04	50050	2.186	2.325	1.41034	1.5
KS0000817	31-Mar-04	50050	2.320	2.480	1.49677	1.6
KS0000817	30-Apr-04	50050	1.852	2.480	1.195	1.6
KS0000817	31-May-04	50050	1.975	2.325	1.27419	1.5
KS0000817	30-Jun-04	50050	1.919	2.325	1.23799	1.5
KS0000817	30-Jun-04	50050	2.359	2.635	1.52222	1.7
KS0000817	31-Jul-04	50050	2.092	2.325	1.34967	1.5
KS0000817	31-Aug-04	50050	1.754	2.325	1.13193	1.5
KS0000817	30-Sep-04	50050	2.022	2.480	1.30433	1.6
KS0000817	31-Oct-04	50050	1.328	2.325	0.85677	1.5
KS0000817	30-Nov-04	50050	1.713	2.325	1.10533	1.5
KS0000817	31-Dec-04	50050	2.118	2.635	1.36645	1.7
KS0000817	31-Jan-05	50050	1.969	2.325	1.27032	1.5
KS0000817	28-Feb-05	50050	2.185	2.480	1.40999	1.6
KS0000817	31-Mar-05	50050	2.345	2.635	1.5129	1.7
KS0000817	30-Apr-05	50050	2.361	2.790	1.52333	1.8
KS0000817	31-May-05	50050	2.070	2.325	1.33548	1.5
KS0000817	30-Jun-05	50050	0.465	2.325	0.3	1.5
KS0000817	30-Jun-05	50050	2.211	2.480	1.42666	1.6

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0000817	31-Aug-05	50050	2.345	2.790	1.5129	1.8
KS0000817	30-Sep-05	50050	2.066	2.480	1.33266	1.6
KS0000817	31-Oct-05	50050	2.209	2.790	1.42516	1.8
KS0000817	30-Nov-05	50050	2.100	2.635	1.35466	1.7
KS0000817	31-Dec-05	50050	1.955	2.480	1.26129	1.6
KS0029360	31-Jan-98	50050	0.0053	0.0053	0.0034	0.0034
KS0029360	31-Jan-98	50050	0.0153	0.0153	0.0099	0.0099
KS0029360	28-Feb-98	50050	0.0004	0.0064	0.0002	0.0041
KS0029360	31-Mar-98	50050	0.0016	0.0120	0.0011	0.0078
KS0029360	31-Mar-98	50050	0.0180	0.0391	0.0116	0.0252
KS0029360	30-Apr-98	50050	0.0104	0.0248	0.0067	0.0160
KS0029360	31-May-98	50050	0.0030	0.0035	0.0020	0.0023
KS0029360	31-May-98	50050	0.0048	0.0121	0.0031	0.0078
KS0029360	30-Jun-98	50050	0.0016	0.0016	0.0010	0.0010
KS0029360	30-Jun-98	50050	0.0034	0.0053	0.0022	0.0034
KS0029360	30-Jun-98	50050	0.0164	0.0454	0.0106	0.0293
KS0029360	31-Jul-98	50050	0.0016	0.0016	0.0010	0.0010
KS0029360	31-Jul-98	50050	0.0038	0.0060	0.0025	0.0039
KS0029360	31-Jul-98	50050	0.0243	0.0815	0.0157	0.0526
KS0029360	31-Aug-98	50050	0.0038	0.0114	0.0024	0.0074
KS0029360	31-Aug-98	50050	0.0395	0.1017	0.0255	0.0656
KS0029360	30-Sep-98	50050	0.0073	0.0174	0.0047	0.0112
KS0029360	30-Sep-98	50050	0.0149	0.0587	0.0096	0.0379
KS0029360	31-Oct-98	50050	0.0077	0.0375	0.0050	0.0242
KS0029360	31-Oct-98	50050	0.0109	0.0177	0.0071	0.0114
KS0029360	30-Nov-98	50050	0.0122	0.0177	0.0078	0.0114
KS0029360	30-Nov-98	50050	0.0174	0.0419	0.0112	0.0270
KS0029360	31-Dec-98	50050	0.0063	0.0103	0.0041	0.0066
KS0029360	31-Dec-98	50050	0.0087	0.0389	0.0056	0.0251
KS0029360	31-Jan-99	50050	0.0049	0.0125	0.0032	0.0081
KS0029360	31-Jan-99	50050	0.0219	0.0403	0.0141	0.0260
KS0029360	28-Feb-99	50050	0.0132	0.0152	0.0085	0.0098
KS0029360	28-Feb-99	50050	0.0287	0.0560	0.0185	0.0361
KS0029360	31-Mar-99	50050	0.0056	0.0150	0.0036	0.0097
KS0029360	31-Mar-99	50050	0.0251	0.0519	0.0162	0.0335
KS0029360	30-Apr-99	50050	0.0088	0.0153	0.0057	0.0099
KS0029360	30-Apr-99	50050	0.0274	0.0642	0.0177	0.0414
KS0029360	31-May-99	50050	0.0077	0.0129	0.0050	0.0083
KS0029360	31-May-99	50050	0.0308	0.0665	0.0199	0.0429
KS0029360	30-Jun-99	50050	0.0016	0.0016	0.0010	0.0010
KS0029360	30-Jun-99	50050	0.0060	0.0109	0.0038	0.0071
KS0029360	30-Jun-99	50050	0.0319	0.0550	0.0206	0.0355
KS0029360	31-Jul-99	50050	0.0085	0.0115	0.0055	0.0074
KS0029360	31-Jul-99	50050	0.0245	0.0586	0.0158	0.0378
KS0029360	31-Aug-99	50050	0.0270	0.0594	0.0174	0.0383
KS0029360	30-Sep-99	50050	0.0346	0.0575	0.0223	0.0371
KS0029360	31-Oct-99	50050	0.0293	0.0563	0.0189	0.0363
KS0029360	30-Nov-99	50050	0.0005	0.0102	0.0003	0.0066
KS0029360	30-Nov-99	50050	0.0246	0.0605	0.0159	0.0390
KS0029360	31-Dec-99	50050	0.0010	0.0117	0.0007	0.0076
KS0029360	31-Dec-99	50050	0.0203	0.0707	0.0131	0.0456
KS0029360	31-Jan-00	50050	0.0008	0.0085	0.0005	0.0055
KS0029360	31-Jan-00	50050	0.0094	0.0205	0.0061	0.0132
KS0029360	29-Feb-00	50050	0.0012	0.0112	0.0008	0.0073
KS0029360	29-Feb-00	50050	0.0081	0.0197	0.0052	0.0127
KS0029360	29-Feb-00	50050	0.2217	0.8014	0.1430	0.5170
KS0029360	31-Mar-00	50050	0.0012	0.0091	0.0008	0.0058
KS0029360	31-Mar-00	50050	0.0064	0.0135	0.0041	0.0087
KS0029360	30-Apr-00	50050	0.0003	0.0070	0.0002	0.0045
KS0029360	30-Apr-00	50050	0.0031	0.0123	0.0020	0.0080
KS0029360	30-Apr-00	50050	0.1528	0.3596	0.0986	0.2320
KS0029360	31-May-00	50050	0.0005	0.0082	0.0003	0.0053
KS0029360	31-May-00	50050	0.0043	0.0281	0.0028	0.0181
KS0029360	31-May-00	50050	0.2837	1.1501	0.1830	0.7420
KS0029360	30-Jun-00	50050	0.0025	0.0163	0.0016	0.0105
KS0029360	30-Jun-00	50050	0.0038	0.0160	0.0025	0.0103
KS0029360	30-Jun-00	50050	0.3953	1.5392	0.2550	0.9930
KS0029360	31-Jul-00	50050	0.0007	0.0077	0.0004	0.0050
KS0029360	31-Jul-00	50050	0.0023	0.0079	0.0015	0.0051
KS0029360	31-Jul-00	50050	0.1536	0.4759	0.0991	0.3070
KS0029360	31-Aug-00	50050	0.0016	0.0059	0.0010	0.0038
KS0029360	31-Aug-00	50050	0.1530	0.2558	0.0987	0.1650
KS0029360	30-Sep-00	50050	0.0007	0.0128	0.0004	0.0082

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0029360	30-Sep-00	50050	0.0014	0.0079	0.0009	0.0051
KS0029360	30-Sep-00	50050	0.1245	0.2790	0.0803	0.1800
KS0029360	31-Oct-00	50050	0.0007	0.0132	0.0004	0.0085
KS0029360	31-Oct-00	50050	0.0026	0.0178	0.0017	0.0115
KS0029360	31-Oct-00	50050	0.0049	0.0775	0.0032	0.0500
KS0029360	31-Oct-00	50050	0.1200	0.2310	0.0774	0.1490
KS0029360	30-Nov-00	50050	0.0010	0.0126	0.0006	0.0081
KS0029360	30-Nov-00	50050	0.0030	0.0097	0.0019	0.0063
KS0029360	30-Nov-00	50050	0.0189	0.3255	0.0122	0.2100
KS0029360	30-Nov-00	50050	0.1203	0.1798	0.0776	0.1160
KS0029360	31-Dec-00	50050	0.0003	0.0016	0.0002	0.0010
KS0029360	31-Dec-00	50050	0.0006	0.0073	0.0004	0.0047
KS0029360	31-Dec-00	50050	0.0038	0.0194	0.0024	0.0125
KS0029360	31-Dec-00	50050	0.2914	0.6231	0.1880	0.4020
KS0029360	31-Jan-01	50050	0.0015	0.0126	0.0009	0.0082
KS0029360	31-Jan-01	50050	0.0051	0.0256	0.0033	0.0165
KS0029360	31-Jan-01	50050	0.0080	0.1085	0.0051	0.0700
KS0029360	31-Jan-01	50050	0.1473	0.2961	0.0950	0.1910
KS0029360	28-Feb-01	50050	0.0005	0.0007	0.0003	0.0005
KS0029360	28-Feb-01	50050	0.0024	0.0108	0.0016	0.0070
KS0029360	28-Feb-01	50050	0.0062	0.0141	0.0040	0.0091
KS0029360	28-Feb-01	50050	0.0758	0.7905	0.0489	0.5100
KS0029360	28-Feb-01	50050	0.3503	1.3687	0.2260	0.8830
KS0029360	31-Mar-01	50050	0.0004	0.0007	0.0002	0.0005
KS0029360	31-Mar-01	50050	0.0018	0.0110	0.0011	0.0071
KS0029360	31-Mar-01	50050	0.0045	0.0117	0.0029	0.0076
KS0029360	31-Mar-01	50050	0.0151	0.2015	0.0098	0.1300
KS0029360	31-Mar-01	50050	0.3410	0.9595	0.2200	0.6190
KS0029360	30-Apr-01	50050	0.0009	0.0105	0.0006	0.0068
KS0029360	30-Apr-01	50050	0.0027	0.0082	0.0018	0.0053
KS0029360	30-Apr-01	50050	0.0037	0.0341	0.0024	0.0220
KS0029360	30-Apr-01	50050	0.2573	0.6975	0.1660	0.4500
KS0029360	31-May-01	50050	0.0006	0.0089	0.0004	0.0057
KS0029360	31-May-01	50050	0.0011	0.0102	0.0007	0.0066
KS0029360	31-May-01	50050	0.0015	0.0031	0.0010	0.0020
KS0029360	31-May-01	50050	0.1752	0.6386	0.1130	0.4120
KS0029360	30-Jun-01	50050	0.0015	0.0154	0.0010	0.0099
KS0029360	30-Jun-01	50050	0.0019	0.0169	0.0012	0.0109
KS0029360	30-Jun-01	50050	0.0034	0.0341	0.0022	0.0220
KS0029360	30-Jun-01	50050	0.1336	0.5317	0.0862	0.3430
KS0029360	31-Jul-01	50050	0.0003	0.0053	0.0002	0.0034
KS0029360	31-Jul-01	50050	0.0006	0.0027	0.0004	0.0018
KS0029360	31-Jul-01	50050	0.0019	0.0109	0.0012	0.0070
KS0029360	31-Jul-01	50050	0.0333	0.0543	0.0215	0.0350
KS0029360	31-Aug-01	50050	0.0003	0.0064	0.0002	0.0042
KS0029360	31-Aug-01	50050	0.0011	0.0066	0.0007	0.0043
KS0029360	31-Aug-01	50050	0.0018	0.0031	0.0011	0.0020
KS0029360	31-Aug-01	50050	0.0318	0.0930	0.0205	0.0600
KS0029360	30-Sep-01	50050	0.0005	0.0087	0.0003	0.0056
KS0029360	30-Sep-01	50050	0.0019	0.0154	0.0012	0.0100
KS0029360	30-Sep-01	50050	0.0028	0.0341	0.0018	0.0220
KS0029360	30-Sep-01	50050	0.0384	0.2852	0.0248	0.1840
KS0029360	31-Oct-01	50050	0.0013	0.0140	0.0008	0.0090
KS0029360	31-Oct-01	50050	0.0027	0.0240	0.0017	0.0155
KS0029360	31-Oct-01	50050	0.0030	0.0372	0.0019	0.0240
KS0029360	31-Oct-01	50050	0.0845	0.8122	0.0545	0.5240
KS0029360	30-Nov-01	50050	0.0004	0.0074	0.0002	0.0048
KS0029360	30-Nov-01	50050	0.0009	0.0031	0.0006	0.0020
KS0029360	30-Nov-01	50050	0.0017	0.0050	0.0011	0.0032
KS0029360	30-Nov-01	50050	0.0395	0.1612	0.0255	0.1040
KS0029360	31-Dec-01	50050	0.0005	0.0065	0.0003	0.0042
KS0029360	31-Dec-01	50050	0.0008	0.0031	0.0005	0.0020
KS0029360	31-Dec-01	50050	0.0023	0.0075	0.0015	0.0048
KS0029360	31-Dec-01	50050	0.1265	0.2868	0.0816	0.1850
KS0029360	31-Jan-02	50050	0.0012	0.0157	0.0008	0.0101
KS0029360	31-Jan-02	50050	0.0030	0.0164	0.0019	0.0106
KS0029360	31-Jan-02	50050	0.0079	0.2015	0.0051	0.1300
KS0029360	31-Jan-02	50050	0.2170	1.2648	0.1400	0.8160
KS0029360	28-Feb-02	50050	0.0009	0.0031	0.0006	0.0020
KS0029360	28-Feb-02	50050	0.0012	0.0095	0.0008	0.0061
KS0029360	28-Feb-02	50050	0.0019	0.0047	0.0012	0.0031
KS0029360	28-Feb-02	50050	0.2759	1.5500	0.1780	1.0000
KS0029360	31-Mar-02	50050	0.0007	0.0082	0.0005	0.0053

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0029360	31-Mar-02	50050	0.0018	0.0046	0.0012	0.0030
KS0029360	31-Mar-02	50050	0.0053	0.1395	0.0034	0.0900
KS0029360	31-Mar-02	50050	0.1690	0.4712	0.1090	0.3040
KS0029360	30-Apr-02	50050	0.0002	0.0012	0.0001	0.0008
KS0029360	30-Apr-02	50050	0.0005	0.0016	0.0003	0.0010
KS0029360	30-Apr-02	50050	0.0011	0.0076	0.0007	0.0049
KS0029360	30-Apr-02	50050	0.0015	0.0098	0.0010	0.0063
KS0029360	30-Apr-02	50050	0.1876	0.9424	0.1210	0.6080
KS0029360	31-May-02	50050	0.0004	0.0067	0.0003	0.0043
KS0029360	31-May-02	50050	0.0018	0.0155	0.0011	0.0100
KS0029360	31-May-02	50050	0.0025	0.0133	0.0016	0.0086
KS0029360	31-May-02	50050	0.0033	0.0206	0.0021	0.0133
KS0029360	31-May-02	50050	0.4247	3.0535	0.2740	1.9700
KS0029360	30-Jun-02	50050	0.0006	0.0038	0.0004	0.0025
KS0029360	30-Jun-02	50050	0.0011	0.0181	0.0007	0.0117
KS0029360	30-Jun-02	50050	0.0024	0.0155	0.0016	0.0100
KS0029360	30-Jun-02	50050	0.0034	0.0445	0.0022	0.0287
KS0029360	30-Jun-02	50050	0.2868	1.2865	0.1850	0.8300
KS0029360	31-Jul-02	50050	0.0002	0.0015	0.0001	0.0010
KS0029360	31-Jul-02	50050	0.0002	0.0056	0.0002	0.0036
KS0029360	31-Jul-02	50050	0.0013	0.0109	0.0008	0.0070
KS0029360	31-Jul-02	50050	0.1446	0.9145	0.0933	0.5900
KS0029360	31-Aug-02	50050	0.0004	0.0060	0.0003	0.0039
KS0029360	31-Aug-02	50050	0.0004	0.0072	0.0003	0.0046
KS0029360	31-Aug-02	50050	0.0012	0.0109	0.0008	0.0070
KS0029360	31-Aug-02	50050	0.1705	0.5999	0.1100	0.3870
KS0029360	30-Sep-02	50050	0.0006	0.0070	0.0004	0.0045
KS0029360	30-Sep-02	50050	0.0009	0.0181	0.0006	0.0117
KS0029360	30-Sep-02	50050	0.0101	0.2015	0.0065	0.1300
KS0029360	30-Sep-02	50050	0.0460	0.1705	0.0297	0.1100
KS0029360	31-Oct-02	50050	0.0003	0.0044	0.0002	0.0028
KS0029360	31-Oct-02	50050	0.0009	0.0016	0.0006	0.0010
KS0029360	31-Oct-02	50050	0.0891	0.2124	0.0575	0.1370
KS0029360	30-Nov-02	50050	0.0002	0.0034	0.0001	0.0022
KS0029360	30-Nov-02	50050	0.0003	0.0047	0.0002	0.0030
KS0029360	30-Nov-02	50050	0.0008	0.0016	0.0005	0.0010
KS0029360	30-Nov-02	50050	0.0856	0.1829	0.0552	0.1180
KS0029360	31-Dec-02	50050	0.0006	0.0016	0.0004	0.0010
KS0029360	31-Dec-02	50050	0.0016	0.0092	0.0010	0.0059
KS0029360	31-Dec-02	50050	0.0056	0.0327	0.0036	0.0211
KS0029360	31-Dec-02	50050	0.1814	0.9533	0.1170	0.6150
KS0029360	28-Feb-03	50050	0.0013	0.0109	0.0008	0.0070
KS0029360	28-Feb-03	50050	0.0017	0.0065	0.0011	0.0042
KS0029360	28-Feb-03	50050	0.0018	0.0212	0.0012	0.0137
KS0029360	28-Feb-03	50050	0.2511	0.9223	0.1620	0.5950
KS0029360	31-Mar-03	50050	0.0021	0.0110	0.0014	0.0071
KS0029360	31-Mar-03	50050	0.0022	0.0100	0.0014	0.0065
KS0029360	31-Mar-03	50050	0.0060	0.1395	0.0039	0.0900
KS0029360	31-Mar-03	50050	0.4037	1.1656	0.2605	0.7520
KS0029360	30-Apr-03	50050	0.0002	0.0062	0.0001	0.0040
KS0029360	30-Apr-03	50050	0.0016	0.0123	0.0011	0.0080
KS0029360	30-Apr-03	50050	0.0026	0.0139	0.0017	0.0090
KS0029360	30-Apr-03	50050	0.0028	0.0248	0.0018	0.0160
KS0029360	30-Apr-03	50050	0.3321	0.9021	0.2143	0.5820
KS0029360	31-May-03	50050	0.0013	0.0112	0.0008	0.0072
KS0029360	31-May-03	50050	0.0019	0.0264	0.0013	0.0170
KS0029360	31-May-03	50050	0.0037	0.0145	0.0024	0.0094
KS0029360	31-May-03	50050	0.3561	0.9610	0.2298	0.6200
KS0029360	30-Jun-03	50050	0.0007	0.0085	0.0005	0.0055
KS0029360	30-Jun-03	50050	0.0018	0.0091	0.0012	0.0059
KS0029360	30-Jun-03	50050	0.0025	0.0248	0.0016	0.0160
KS0029360	30-Jun-03	50050	0.1676	0.6712	0.1082	0.4330
KS0029360	31-Jul-03	50050	0.0004	0.0058	0.0002	0.0037
KS0029360	31-Jul-03	50050	0.0007	0.0047	0.0004	0.0030
KS0029360	31-Jul-03	50050	0.0047	0.0171	0.0030	0.0110
KS0029360	31-Jul-03	50050	0.0866	0.1891	0.0559	0.1220
KS0029360	31-Aug-03	50050	0.0008	0.0135	0.0005	0.0087
KS0029360	31-Aug-03	50050	0.0014	0.0348	0.0009	0.0225
KS0029360	31-Aug-03	50050	0.0032	0.0109	0.0021	0.0070
KS0029360	31-Aug-03	50050	0.1398	1.0122	0.0902	0.6530
KS0029360	30-Sep-03	50050	0.0016	0.0191	0.0010	0.0123
KS0029360	30-Sep-03	50050	0.0051	0.0676	0.0033	0.0436
KS0029360	30-Sep-03	50050	0.0120	0.0357	0.0078	0.0230

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0029360	30-Sep-03	50050	0.2009	1.0261	0.1296	0.6620
KS0029360	31-Oct-03	50050	0.0006	0.0053	0.0004	0.0034
KS0029360	31-Oct-03	50050	0.0011	0.0053	0.0007	0.0035
KS0029360	31-Oct-03	50050	0.0079	0.0264	0.0051	0.0170
KS0029360	31-Oct-03	50050	0.1625	0.5441	0.1049	0.3510
KS0029360	30-Nov-03	50050	0.0010	0.0162	0.0007	0.0104
KS0029360	30-Nov-03	50050	0.0021	0.0109	0.0014	0.0070
KS0029360	30-Nov-03	50050	0.0057	0.0248	0.0037	0.0160
KS0029360	30-Nov-03	50050	0.1233	0.9316	0.0796	0.6010
KS0029360	31-Dec-03	50050	0.0023	0.0114	0.0015	0.0074
KS0029360	31-Dec-03	50050	0.0043	0.0146	0.0028	0.0094
KS0029360	31-Dec-03	50050	0.0089	0.0729	0.0057	0.0470
KS0029360	31-Dec-03	50050	0.3524	1.3330	0.2274	0.8600
KS0029360	31-Jan-04	50050	0.0022	0.0114	0.0014	0.0073
KS0029360	31-Jan-04	50050	0.0032	0.0105	0.0021	0.0068
KS0029360	31-Jan-04	50050	0.0040	0.0171	0.0026	0.0110
KS0029360	31-Jan-04	50050	0.1830	0.6789	0.1181	0.4380
KS0029360	29-Feb-04	50050	0.0010	0.0074	0.0007	0.0048
KS0029360	29-Feb-04	50050	0.0026	0.0067	0.0017	0.0043
KS0029360	29-Feb-04	50050	0.0124	0.1318	0.0080	0.0850
KS0029360	29-Feb-04	50050	0.2406	0.5301	0.1552	0.3420
KS0029360	31-Mar-04	50050	0.0024	0.0213	0.0015	0.0137
KS0029360	31-Mar-04	50050	0.0029	0.0316	0.0019	0.0204
KS0029360	31-Mar-04	50050	0.0133	0.1318	0.0086	0.0850
KS0029360	31-Mar-04	50050	0.3354	1.5190	0.2164	0.9800
KS0029360	30-Apr-04	50050	0.0016	0.0251	0.0010	0.0162
KS0029360	30-Apr-04	50050	0.0017	0.0174	0.0011	0.0112
KS0029360	30-Apr-04	50050	0.0091	0.0729	0.0059	0.0470
KS0029360	30-Apr-04	50050	0.2231	1.1346	0.1440	0.7320
KS0029360	31-May-04	50050	0.0009	0.0142	0.0006	0.0092
KS0029360	31-May-04	50050	0.0012	0.0118	0.0008	0.0076
KS0029360	31-May-04	50050	0.0078	0.0729	0.0050	0.0470
KS0029360	31-May-04	50050	0.1513	0.7781	0.0976	0.5020
KS0029360	30-Jun-04	50050	0.0007	0.0153	0.0004	0.0099
KS0029360	30-Jun-04	50050	0.0008	0.0119	0.0005	0.0077
KS0029360	30-Jun-04	50050	0.0092	0.0729	0.0059	0.0470
KS0029360	30-Jun-04	50050	0.1378	0.7409	0.0889	0.4780
KS0029360	31-Jul-04	50050	0.0005	0.0085	0.0004	0.0055
KS0029360	31-Jul-04	50050	0.0009	0.0065	0.0006	0.0042
KS0029360	31-Jul-04	50050	0.0012	0.0076	0.0008	0.0049
KS0029360	31-Jul-04	50050	0.0216	0.4495	0.0140	0.2900
KS0029360	31-Jul-04	50050	0.1033	0.4588	0.0667	0.2960
KS0029360	31-Aug-04	50050	0.0002	0.0065	0.0001	0.0042
KS0029360	31-Aug-04	50050	0.0020	0.0102	0.0013	0.0066
KS0029360	31-Aug-04	50050	0.0105	0.0264	0.0068	0.0170
KS0029360	31-Aug-04	50050	0.0341	0.1178	0.0220	0.0760
KS0029360	30-Sep-04	50050	0.0005	0.0091	0.0003	0.0059
KS0029360	30-Sep-04	50050	0.0005	0.0103	0.0003	0.0066
KS0029360	30-Sep-04	50050	0.0100	0.0264	0.0064	0.0170
KS0029360	30-Sep-04	50050	0.0264	0.0729	0.0170	0.0470
KS0029360	31-Oct-04	50050	0.0004	0.0074	0.0003	0.0048
KS0029360	31-Oct-04	50050	0.0016	0.0294	0.0010	0.0190
KS0029360	31-Oct-04	50050	0.0204	0.1395	0.0132	0.0900
KS0029360	31-Oct-04	50050	0.0660	0.2263	0.0426	0.1460
KS0029360	30-Nov-04	50050	0.0024	0.0144	0.0016	0.0093
KS0029360	30-Nov-04	50050	0.0028	0.0056	0.0018	0.0036
KS0029360	30-Nov-04	50050	0.0029	0.0074	0.0019	0.0048
KS0029360	30-Nov-04	50050	0.0213	0.1395	0.0137	0.0900
KS0029360	30-Nov-04	50050	0.2587	1.3811	0.1669	0.8910
KS0029360	31-Dec-04	50050	0.0010	0.0084	0.0007	0.0054
KS0029360	31-Dec-04	50050	0.0014	0.0089	0.0009	0.0058
KS0029360	31-Dec-04	50050	0.0017	0.0145	0.0011	0.0094
KS0029360	31-Dec-04	50050	0.0062	0.0357	0.0040	0.0230
KS0029360	31-Dec-04	50050	0.2187	0.5844	0.1411	0.3770
KS0029360	31-Jan-05	50050	0.0004	0.0054	0.0002	0.0035
KS0029360	31-Jan-05	50050	0.0020	0.0140	0.0013	0.0090
KS0029360	31-Jan-05	50050	0.0043	0.0362	0.0028	0.0233
KS0029360	31-Jan-05	50050	0.0251	0.5115	0.0162	0.3300
KS0029360	31-Jan-05	50050	0.1443	0.2542	0.0931	0.1640
KS0029360	28-Feb-05	50050	0.0014	0.0123	0.0009	0.0080
KS0029360	28-Feb-05	50050	0.0018	0.0067	0.0011	0.0043
KS0029360	28-Feb-05	50050	0.0028	0.0171	0.0018	0.0110
KS0029360	28-Feb-05	50050	0.0035	0.0346	0.0023	0.0223

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0029360	28-Feb-05	50050	0.1332	0.2232	0.0860	0.1440
KS0029360	31-Mar-05	50050	0.0005	0.0089	0.0003	0.0057
KS0029360	31-Mar-05	50050	0.0014	0.0171	0.0009	0.0110
KS0029360	31-Mar-05	50050	0.0019	0.0105	0.0012	0.0068
KS0029360	31-Mar-05	50050	0.0133	0.0268	0.0086	0.0173
KS0029360	31-Mar-05	50050	0.2659	1.0556	0.1715	0.6810
KS0029360	30-Apr-05	50050	0.0006	0.0074	0.0004	0.0048
KS0029360	30-Apr-05	50050	0.0013	0.0109	0.0008	0.0070
KS0029360	30-Apr-05	50050	0.0015	0.0171	0.0009	0.0110
KS0029360	30-Apr-05	50050	0.0054	0.0134	0.0035	0.0086
KS0029360	30-Apr-05	50050	0.1754	0.5828	0.1132	0.3760
KS0029360	31-May-05	50050	0.0010	0.0171	0.0006	0.0110
KS0029360	31-May-05	50050	0.0010	0.0133	0.0007	0.0086
KS0029360	31-May-05	50050	0.0016	0.0136	0.0010	0.0088
KS0029360	31-May-05	50050	0.0139	0.0376	0.0090	0.0243
KS0029360	31-May-05	50050	0.1344	0.5952	0.0867	0.3840
KS0029360	30-Jun-05	50050	0.0020	0.0153	0.0013	0.0099
KS0029360	30-Jun-05	50050	0.0021	0.0110	0.0013	0.0071
KS0029360	30-Jun-05	50050	0.0088	0.1705	0.0057	0.1100
KS0029360	30-Jun-05	50050	0.0269	0.0664	0.0174	0.0428
KS0029360	30-Jun-05	50050	0.2692	1.6337	0.1737	1.0540
KS0029360	31-Jul-05	50050	0.0005	0.0040	0.0003	0.0026
KS0029360	31-Jul-05	50050	0.0007	0.0200	0.0004	0.0129
KS0029360	31-Jul-05	50050	0.0008	0.0031	0.0005	0.0020
KS0029360	31-Jul-05	50050	0.0222	0.0521	0.0143	0.0336
KS0029360	31-Jul-05	50050	0.0598	0.3612	0.0386	0.2330
KS0029360	31-Aug-05	50050	0.0001	0.0045	0.0001	0.0029
KS0029360	31-Aug-05	50050	0.0004	0.0036	0.0003	0.0023
KS0029360	31-Aug-05	50050	0.0022	0.0357	0.0014	0.0230
KS0029360	31-Aug-05	50050	0.0169	0.0402	0.0109	0.0259
KS0029360	31-Aug-05	50050	0.0436	0.2558	0.0281	0.1650
KS0029360	30-Sep-05	50050	0.0004	0.0067	0.0003	0.0043
KS0029360	30-Sep-05	50050	0.0009	0.0031	0.0006	0.0020
KS0029360	30-Sep-05	50050	0.0009	0.0057	0.0006	0.0037
KS0029360	30-Sep-05	50050	0.0018	0.0114	0.0012	0.0073
KS0029360	30-Sep-05	50050	0.0362	0.0992	0.0234	0.0640
KS0029360	31-Oct-05	50050	0.0002	0.0059	0.0001	0.0038
KS0029360	31-Oct-05	50050	0.0002	0.0069	0.0002	0.0045
KS0029360	31-Oct-05	50050	0.0053	0.0250	0.0034	0.0162
KS0029360	31-Oct-05	50050	0.0728	2.2320	0.0470	1.4400
KS0029360	31-Oct-05	50050	0.0750	0.1829	0.0484	0.1180
KS0029360	30-Nov-05	50050	0.0006	0.0069	0.0004	0.0044
KS0029360	30-Nov-05	50050	0.0010	0.0087	0.0006	0.0056
KS0029360	30-Nov-05	50050	0.0012	0.0109	0.0008	0.0070
KS0029360	30-Nov-05	50050	0.0243	0.0470	0.0157	0.0303
KS0029360	30-Nov-05	50050	0.1411	0.4557	0.0910	0.2940
KS0029360	31-Dec-05	50050	0.0003	0.0067	0.0002	0.0043
KS0029360	31-Dec-05	50050	0.0007	0.0016	0.0005	0.0010
KS0029360	31-Dec-05	50050	0.0028	0.0098	0.0018	0.0063
KS0029360	31-Dec-05	50050	0.0157	0.0432	0.0101	0.0279
KS0029360	31-Dec-05	50050	0.1269	0.3875	0.0819	0.2500
KS0032123	31-Jan-98	50050	1.507	2.852	0.972	1.840
KS0032123	28-Feb-98	50050	1.581	1.860	1.020	1.200
KS0032123	31-Mar-98	50050	2.000	2.914	1.290	1.880
KS0032123	30-Apr-98	50050	2.077	2.790	1.340	1.800
KS0032123	31-May-98	50050	1.736	2.449	1.120	1.580
KS0032123	30-Jun-98	50050	1.037	2.077	0.669	1.340
KS0032123	31-Jul-98	50050	1.752	2.573	1.130	1.660
KS0032123	31-Aug-98	50050	1.547	2.527	0.998	1.630
KS0032123	30-Sep-98	50050	1.860	3.255	1.200	2.100
KS0032123	31-Oct-98	50050	2.666	3.953	1.720	2.550
KS0032123	30-Nov-98	50050	2.666	4.650	1.720	3.000
KS0032123	31-Dec-98	50050	2.000	2.248	1.290	1.450
KS0032123	31-Jan-99	50050	1.690	2.093	1.090	1.350
KS0032123	28-Feb-99	50050	2.511	2.697	1.620	1.740
KS0032123	31-Mar-99	50050	1.938	2.093	1.250	1.350
KS0032123	30-Apr-99	50050	2.031	2.945	1.310	1.900
KS0032123	31-May-99	50050	2.372	3.100	1.530	2.000
KS0032123	30-Jun-99	50050	2.108	2.480	1.360	1.600

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0032123	31-Jul-99	50050	1.380	2.480	0.890	1.600
KS0032123	31-Aug-99	50050	0.623	1.008	0.402	0.650
KS0032123	30-Sep-99	50050	0.798	2.170	0.515	1.400
KS0032123	31-Oct-99	50050	1.048	1.690	0.676	1.090
KS0032123	30-Nov-99	50050	0.873	1.395	0.563	0.900
KS0032123	31-Dec-99	50050	1.380	1.752	0.890	1.130
KS0032123	31-Jan-00	50050	0.946	1.132	0.610	0.730
KS0032123	29-Feb-00	50050	1.088	1.674	0.702	1.080
KS0032123	31-Mar-00	50050	1.984	2.697	1.280	1.740
KS0032123	30-Apr-00	50050	1.466	3.736	0.946	2.410
KS0032123	31-May-00	50050	1.015	1.209	0.655	0.780
KS0032123	30-Jun-00	50050	1.181	2.449	0.762	1.580
KS0032123	31-Jul-00	50050	1.316	2.000	0.849	1.290
KS0032123	31-Aug-00	50050	0.561	1.163	0.362	0.750
KS0032123	30-Sep-00	50050	0.248	0.388	0.160	0.250
KS0032123	31-Oct-00	50050	0.840	1.364	0.542	0.880
KS0032123	30-Nov-00	50050	1.029	1.302	0.664	0.840
KS0032123	31-Dec-00	50050	0.792	0.930	0.511	0.600
KS0032123	31-Jan-01	50050	0.905	1.426	0.584	0.920
KS0032123	28-Feb-01	50050	1.411	2.310	0.910	1.490
KS0032123	31-Mar-01	50050	1.922	2.248	1.240	1.450
KS0032123	30-Apr-01	50050	1.674	2.294	1.080	1.480
KS0032123	31-May-01	50050	1.170	1.473	0.755	0.950
KS0032123	30-Jun-01	50050	2.124	2.790	1.370	1.800
KS0032123	31-Jul-01	50050	1.119	2.046	0.722	1.320
KS0032123	31-Aug-01	50050	0.916	1.829	0.591	1.180
KS0032123	30-Sep-01	50050	1.266	3.503	0.817	2.260
KS0032123	31-Oct-01	50050	1.085	1.333	0.700	0.860
KS0032123	30-Nov-01	50050	0.611	0.713	0.394	0.460
KS0032123	31-Dec-01	50050	0.604	0.760	0.390	0.490
KS0032123	31-Jan-02	50050	0.599	0.946	0.386	0.610
KS0032123	28-Feb-02	50050	0.960	1.070	0.620	0.690
KS0032123	31-Mar-02	50050	0.847	0.946	0.546	0.610
KS0032123	30-Apr-02	50050	0.745	1.240	0.480	0.800
KS0032123	31-May-02	50050	1.976	2.806	1.275	1.810
KS0032123	30-Jun-02	50050	1.889	2.713	1.219	1.750
KS0032123	31-Jul-02	50050	0.952	1.690	0.615	1.090
KS0032123	31-Aug-02	50050	0.433	0.636	0.280	0.410
KS0032123	30-Sep-02	50050	0.331	0.791	0.214	0.510
KS0032123	31-Oct-02	50050	0.778	1.318	0.502	0.850
KS0032123	30-Nov-02	50050	0.702	0.853	0.453	0.550
KS0032123	31-Dec-02	50050	0.616	0.713	0.398	0.460
KS0032123	28-Feb-03	50050	0.732	0.977	0.472	0.630
KS0032123	31-Mar-03	50050	1.149	1.426	0.742	0.920
KS0032123	30-Apr-03	50050	0.966	1.473	0.623	0.950
KS0032123	31-May-03	50050	1.473	1.907	0.950	1.230
KS0032123	30-Jun-03	50050	1.076	1.550	0.694	1.000
KS0032123	31-Jul-03	50050	0.343	0.915	0.221	0.590
KS0032123	31-Aug-03	50050	0.047	0.140	0.030	0.090
KS0032123	30-Sep-03	50050	0.989	1.488	0.638	0.960
KS0032123	31-Oct-03	50050	0.674	0.930	0.435	0.600
KS0032123	30-Nov-03	50050	0.482	0.682	0.311	0.440
KS0032123	31-Dec-03	50050	0.661	1.178	0.427	0.760
KS0032123	31-Jan-04	50050	0.962	1.302	0.621	0.840
KS0032123	29-Feb-04	50050	1.017	1.256	0.656	0.810
KS0032123	31-Mar-04	50050	1.523	2.790	0.983	1.800
KS0032123	30-Apr-04	50050	1.338	2.170	0.863	1.400
KS0032123	31-May-04	50050	1.660	2.325	1.071	1.500
KS0032123	30-Jun-04	50050	1.836	2.945	1.185	1.900
KS0032123	31-Jul-04	50050	1.739	2.790	1.122	1.800
KS0032123	31-Aug-04	50050	0.829	1.395	0.535	0.900
KS0032123	30-Sep-04	50050	0.392	0.775	0.253	0.500
KS0032123	31-Oct-04	50050	1.059	1.845	0.684	1.190
KS0032123	30-Nov-04	50050	2.171	2.480	1.401	1.600
KS0032123	31-Dec-04	50050	1.916	2.449	1.236	1.580
KS0032123	31-Jan-05	50050	2.016	2.418	1.301	1.560
KS0032123	28-Feb-05	50050	1.215	1.705	0.784	1.100
KS0032123	31-Mar-05	50050	1.531	1.860	0.988	1.200
KS0032123	30-Apr-05	50050	0.629	1.039	0.406	0.670
KS0032123	31-May-05	50050	1.484	2.790	0.957	1.800
KS0032123	30-Jun-05	50050	2.202	3.410	1.420	2.200
KS0032123	31-Jul-05	50050	1.300	2.325	0.839	1.500
KS0032123	31-Aug-05	50050	1.499	4.883	0.967	3.150

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0032123	30-Sep-05	50050	1.296	3.100	0.836	2.000
KS0032123	31-Oct-05	50050	0.747	1.163	0.482	0.750
KS0032123	30-Nov-05	50050	0.978	1.612	0.631	1.040
KS0032123	31-Dec-05	50050	0.857	1.457	0.553	0.940
KS0038954	31-Jan-98	50050	10.788	26.660	6.960	17.200
KS0038954	28-Feb-98	50050	6.340	7.285	4.090	4.700
KS0038954	31-Mar-98	50050	13.315	28.055	8.590	18.100
KS0038954	30-Apr-98	50050	9.533	22.475	6.150	14.500
KS0038954	31-May-98	50050	7.068	13.950	4.560	9.000
KS0038954	30-Jun-98	50050	7.626	19.685	4.920	12.700
KS0038954	31-Jul-98	50050	7.642	13.020	4.930	8.400
KS0038954	31-Aug-98	50050	6.882	8.990	4.440	5.800
KS0038954	30-Sep-98	50050	8.789	24.645	5.670	15.900
KS0038954	31-Oct-98	50050	10.587	25.730	6.830	16.600
KS0038954	30-Nov-98	50050	11.424	24.025	7.370	15.500
KS0038954	31-Dec-98	50050	8.944	13.640	5.770	8.800
KS0038954	31-Jan-99	50050	8.680	16.430	5.600	10.600
KS0038954	28-Feb-99	50050	10.509	14.880	6.780	9.600
KS0038954	31-Mar-99	50050	11.253	23.095	7.260	14.900
KS0038954	30-Apr-99	50050	12.726	28.830	8.210	18.600
KS0038954	31-May-99	50050	12.648	26.195	8.160	16.900
KS0038954	30-Jun-99	50050	8.944	19.530	5.770	12.600
KS0038954	31-Jul-99	50050	7.704	19.995	4.970	12.900
KS0038954	31-Aug-99	50050	6.510	12.400	4.200	8.000
KS0038954	30-Sep-99	50050	6.402	8.990	4.130	5.800
KS0038954	31-Oct-99	50050	5.534	8.525	3.570	5.500
KS0038954	30-Nov-99	50050	5.518	13.175	3.560	8.500
KS0038954	31-Dec-99	50050	8.184	24.490	5.280	15.800
KS0038954	31-Jan-00	50050	6.386	7.440	4.120	4.800
KS0038954	29-Feb-00	50050	8.649	18.135	5.580	11.700
KS0038954	31-Mar-00	50050	10.990	17.980	7.090	11.600
KS0038954	30-Apr-00	50050	8.060	10.695	5.200	6.900
KS0038954	31-May-00	50050	10.370	27.435	6.690	17.700
KS0038954	30-Jun-00	50050	11.889	26.815	7.670	17.300
KS0038954	31-Jul-00	50050	8.820	20.460	5.690	13.200
KS0038954	31-Aug-00	50050	6.867	8.370	4.430	5.400
KS0038954	30-Sep-00	50050	5.704	8.525	3.680	5.500
KS0038954	31-Oct-00	50050	7.905	15.345	5.100	9.900
KS0038954	30-Nov-00	50050	7.223	11.935	4.660	7.700
KS0038954	31-Dec-00	50050	8.014	10.385	5.170	6.700
KS0038954	31-Jan-01	50050	9.781	27.435	6.310	17.700
KS0038954	28-Feb-01	50050	13.625	28.675	8.790	18.500
KS0038954	31-Mar-01	50050	9.858	18.445	6.360	11.900
KS0038954	30-Apr-01	50050	9.734	17.050	6.280	11.000
KS0038954	31-May-01	50050	8.758	12.245	5.650	7.900
KS0038954	30-Jun-01	50050	10.618	17.980	6.850	11.600
KS0038954	31-Jul-01	50050	7.673	11.470	4.950	7.400
KS0038954	31-Aug-01	50050	7.611	8.990	4.910	5.800
KS0038954	30-Sep-01	50050	7.580	9.300	4.890	6.000
KS0038954	31-Oct-01	50050	8.277	17.670	5.340	11.400
KS0038954	30-Nov-01	50050	7.394	9.455	4.770	6.100
KS0038954	31-Dec-01	50050	7.735	10.075	4.990	6.500
KS0038954	31-Jan-02	50050	8.091	17.360	5.220	11.200
KS0038954	28-Feb-02	50050	9.300	14.570	6.000	9.400
KS0038954	31-Mar-02	50050	9.331	12.090	6.020	7.800
KS0038954	30-Apr-02	50050	9.021	15.655	5.820	10.100
KS0038954	31-May-02	50050	14.245	28.055	9.190	18.100
KS0038954	30-Jun-02	50050	10.432	26.350	6.730	17.000
KS0038954	31-Jul-02	50050	6.898	7.905	4.450	5.100
KS0038954	31-Aug-02	50050	7.425	8.525	4.790	5.500
KS0038954	30-Sep-02	50050	7.983	15.965	5.150	10.300
KS0038954	31-Oct-02	50050	7.936	15.810	5.120	10.200
KS0038954	30-Nov-02	50050	7.239	8.835	4.670	5.700
KS0038954	31-Dec-02	50050	7.828	10.230	5.050	6.600
KS0038954	28-Feb-03	50050	8.442	13.485	5.446	8.700
KS0038954	31-Mar-03	50050	9.815	19.375	6.332	12.500
KS0038954	30-Apr-03	50050	9.099	20.150	5.870	13.000
KS0038954	31-May-03	50050	4.704	6.452	3.035	4.163
KS0038954	31-May-03	50050	9.770	22.165	6.303	14.300
KS0038954	30-Jun-03	50050	8.752	14.105	5.647	9.100
KS0038954	31-Jul-03	50050	7.530	10.230	4.858	6.600
KS0038954	31-Aug-03	50050	3.848	3.848	2.483	2.483
KS0038954	31-Aug-03	50050	8.020	18.445	5.174	11.900

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0038954	30-Sep-03	50050	10.132	24.025	6.537	15.500
KS0038954	31-Oct-03	50050	8.125	10.075	5.242	6.500
KS0038954	30-Nov-03	50050	8.592	14.260	5.543	9.200
KS0038954	31-Dec-03	50050	2.792	5.173	1.802	3.338
KS0038954	31-Dec-03	50050	13.030	20.925	8.406	13.500
KS0038954	31-Jan-04	50050	9.435	25.110	6.087	16.200
KS0038954	29-Feb-04	50050	5.393	9.765	3.479	6.300
KS0038954	31-Mar-04	50050	9.722	11.265	6.273	7.268
KS0038954	31-Mar-04	50050	10.110	27.745	6.523	17.900
KS0038954	30-Apr-04	50050	7.673	16.740	4.950	10.800
KS0038954	30-Apr-04	50050	9.657	23.250	6.230	15.000
KS0038954	31-May-04	50050	5.185	5.720	3.345	3.690
KS0038954	31-May-04	50050	7.050	22.940	4.548	14.800
KS0038954	30-Jun-04	50050	5.084	16.585	3.280	10.700
KS0038954	30-Jun-04	50050	6.510	6.510	4.200	4.200
KS0038954	31-Jul-04	50050	1.395	1.395	0.900	0.900
KS0038954	31-Jul-04	50050	5.185	16.430	3.345	10.600
KS0038954	31-Aug-04	50050	3.460	4.185	2.232	2.700
KS0038954	30-Sep-04	50050	3.307	4.650	2.133	3.000
KS0038954	31-Oct-04	50050	3.635	5.580	2.345	3.600
KS0038954	30-Nov-04	50050	7.135	18.755	4.603	12.100
KS0038954	31-Dec-04	50050	5.400	18.910	3.484	12.200
KS0038954	31-Jan-05	50050	7.242	16.740	4.673	10.800
KS0038954	31-Jan-05	50050	8.385	28.675	5.410	18.500
KS0038954	28-Feb-05	50050	9.494	17.980	6.125	11.600
KS0038954	31-Mar-05	50050	5.590	12.245	3.606	7.900
KS0038954	30-Apr-05	50050	4.592	5.696	2.963	3.675
KS0038954	30-Apr-05	50050	9.445	21.390	6.093	13.800
KS0038954	31-May-05	50050	7.425	25.730	4.790	16.600
KS0038954	31-May-05	50050	7.952	7.952	5.130	5.130
KS0038954	30-Jun-05	50050	6.231	25.110	4.020	16.200
KS0038954	30-Jun-05	50050	6.626	6.626	4.275	4.275
KS0038954	31-Jul-05	50050	4.145	10.695	2.674	6.900
KS0038954	31-Aug-05	50050	4.430	11.780	2.858	7.600
KS0038954	30-Sep-05	50050	3.622	9.765	2.337	6.300
KS0038954	31-Oct-05	50050	3.500	6.045	2.258	3.900
KS0038954	30-Nov-05	50050	3.105	3.565	2.003	2.300
KS0038954	31-Dec-05	50050	2.990	3.410	1.929	2.200
KS0046728	31-Jan-98	50050	6.076	7.285	3.920	4.700
KS0046728	28-Feb-98	50050	6.169	8.215	3.980	5.300
KS0046728	31-Mar-98	50050	6.929	9.424	4.470	6.080
KS0046728	30-Apr-98	50050	6.107	7.363	3.940	4.750
KS0046728	31-May-98	50050	5.999	8.773	3.870	5.660
KS0046728	30-Jun-98	50050	5.394	8.928	3.480	5.760
KS0046728	31-Jul-98	50050	6.712	11.067	4.330	7.140
KS0046728	31-Aug-98	50050	5.813	8.215	3.750	5.300
KS0046728	30-Sep-98	50050	6.650	11.005	4.290	7.100
KS0046728	31-Oct-98	50050	7.859	11.656	5.070	7.520
KS0046728	30-Nov-98	50050	8.029	12.400	5.180	8.000
KS0046728	31-Dec-98	50050	6.991	10.664	4.510	6.880
KS0046728	31-Jan-99	50050	4.976	8.401	3.210	5.420
KS0046728	28-Feb-99	50050	6.619	8.835	4.270	5.700
KS0046728	31-Mar-99	50050	6.076	7.316	3.920	4.720
KS0046728	30-Apr-99	50050	8.246	11.486	5.320	7.410
KS0046728	31-May-99	50050	8.308	10.897	5.360	7.030
KS0046728	30-Jun-99	50050	7.099	9.936	4.580	6.410
KS0046728	31-Jul-99	50050	5.735	7.564	3.700	4.880
KS0046728	31-Aug-99	50050	5.472	7.115	3.530	4.590
KS0046728	30-Sep-99	50050	5.720	9.223	3.690	5.950
KS0046728	31-Oct-99	50050	4.852	6.882	3.130	4.440
KS0046728	30-Nov-99	50050	4.464	5.580	2.880	3.600
KS0046728	31-Dec-99	50050	4.898	7.502	3.160	4.840
KS0046728	31-Jan-00	50050	4.309	5.301	2.780	3.420
KS0046728	29-Feb-00	50050	5.053	8.432	3.260	5.440
KS0046728	31-Mar-00	50050	5.286	6.200	3.410	4.000
KS0046728	30-Apr-00	50050	4.867	5.301	3.140	3.420
KS0046728	31-May-00	50050	5.053	7.084	3.260	4.570
KS0046728	30-Jun-00	50050	5.224	6.789	3.370	4.380
KS0046728	31-Jul-00	50050	4.929	5.456	3.180	3.520
KS0046728	31-Aug-00	50050	5.053	5.735	3.260	3.700
KS0046728	30-Sep-00	50050	4.728	5.425	3.050	3.500
KS0046728	31-Oct-00	50050	4.836	7.223	3.120	4.660
KS0046728	30-Nov-00	50050	4.836	7.471	3.120	4.820

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0046728	31-Dec-00	50050	4.232	4.573	2.730	2.950
KS0046728	31-Jan-01	50050	4.604	7.254	2.970	4.680
KS0046728	28-Feb-01	50050	6.154	8.959	3.970	5.780
KS0046728	31-Mar-01	50050	5.782	8.618	3.730	5.560
KS0046728	30-Apr-01	50050	4.852	5.270	3.130	3.400
KS0046728	31-May-01	50050	4.836	6.045	3.120	3.900
KS0046728	30-Jun-01	50050	6.402	10.230	4.130	6.600
KS0046728	31-Jul-01	50050	5.239	7.626	3.380	4.920
KS0046728	31-Aug-01	50050	5.022	7.471	3.240	4.820
KS0046728	30-Sep-01	50050	4.821	7.719	3.110	4.980
KS0046728	31-Oct-01	50050	4.123	5.611	2.660	3.620
KS0046728	30-Nov-01	50050	3.751	3.999	2.420	2.580
KS0046728	31-Dec-01	50050	3.674	4.635	2.370	2.990
KS0046728	31-Jan-02	50050	3.689	4.387	2.380	2.830
KS0046728	28-Feb-02	50050	4.046	4.960	2.610	3.200
KS0046728	31-Mar-02	50050	3.689	4.666	2.380	3.010
KS0046728	30-Apr-02	50050	4.480	6.882	2.890	4.440
KS0046728	31-May-02	50050	5.549	9.564	3.580	6.170
KS0046728	30-Jun-02	50050	4.371	6.293	2.820	4.060
KS0046728	31-Jul-02	50050	4.015	4.914	2.590	3.170
KS0046728	31-Aug-02	50050	4.480	6.712	2.890	4.330
KS0046728	30-Sep-02	50050	4.697	5.611	3.030	3.620
KS0046728	31-Oct-02	50050	5.363	6.603	3.460	4.260
KS0046728	30-Nov-02	50050	4.728	5.704	3.050	3.680
KS0046728	31-Dec-02	50050	4.759	5.084	3.070	3.280
KS0046728	28-Feb-03	50050	6.743	8.835	4.350	5.700
KS0046728	31-Mar-03	50050	6.276	9.517	4.049	6.140
KS0046728	30-Apr-03	50050	6.719	9.223	4.335	5.950
KS0046728	31-May-03	50050	6.317	7.611	4.076	4.910
KS0046728	30-Jun-03	50050	6.679	7.905	4.309	5.100
KS0046728	31-Jul-03	50050	6.806	7.316	4.391	4.720
KS0046728	31-Aug-03	50050	7.196	11.052	4.643	7.130
KS0046728	30-Sep-03	50050	8.592	10.075	5.543	6.500
KS0046728	31-Oct-03	50050	3.903	5.534	2.518	3.570
KS0046728	30-Nov-03	50050	3.301	3.798	2.130	2.450
KS0046728	31-Dec-03	50050	3.483	4.681	2.247	3.020
KS0046728	31-Jan-04	50050	6.351	11.222	4.097	7.240
KS0046728	29-Feb-04	50050	6.134	9.548	3.957	6.160
KS0046728	31-Mar-04	50050	9.247	18.166	5.966	11.720
KS0046728	30-Apr-04	50050	7.221	9.300	4.659	6.000
KS0046728	31-May-04	50050	8.163	10.633	5.266	6.860
KS0046728	30-Jun-04	50050	7.893	12.555	5.092	8.100
KS0046728	31-Jul-04	50050	9.000	13.020	5.806	8.400
KS0046728	31-Aug-04	50050	7.077	8.401	4.566	5.420
KS0046728	30-Sep-04	50050	6.930	7.812	4.471	5.040
KS0046728	31-Oct-04	50050	7.107	9.486	4.585	6.120
KS0046728	30-Nov-04	50050	7.384	9.176	4.764	5.920
KS0046728	31-Dec-04	50050	6.644	8.866	4.286	5.720
KS0046728	31-Jan-05	50050	7.533	11.873	4.860	7.660
KS0046728	28-Feb-05	50050	8.383	13.392	5.409	8.640
KS0046728	31-Mar-05	50050	6.286	7.130	4.055	4.600
KS0046728	30-Apr-05	50050	6.579	10.013	4.245	6.460
KS0046728	31-May-05	50050	6.750	9.889	4.355	6.380
KS0046728	30-Jun-05	50050	9.675	16.647	6.242	10.740
KS0046728	31-Jul-05	50050	3.671	5.503	2.368	3.550
KS0046728	31-Aug-05	50050	4.150	7.735	2.677	4.990
KS0046728	30-Sep-05	50050	3.555	4.232	2.294	2.730
KS0046728	31-Oct-05	50050	3.434	4.216	2.215	2.720
KS0046728	30-Nov-05	50050	3.175	3.472	2.049	2.240
KS0046728	31-Dec-05	50050	3.318	3.751	2.141	2.420
KS0079057	31-Jan-98	50050	0.023	0.023	0.015	0.015
KS0079057	31-Jan-98	50050	0.113	0.140	0.073	0.090
KS0079057	31-Jan-98	50050	0.363	0.673	0.234	0.434
KS0079057	31-Jan-98	50050	38.750	40.765	25.000	26.300
KS0079057	31-Jan-98	50050	5.751	9.579	3.710	6.180
KS0079057	31-Jan-98	50050	891.250	1202.800	575.000	776.000
KS0079057	28-Feb-98	50050	0.144	0.248	0.093	0.160
KS0079057	28-Feb-98	50050	0.490	0.915	0.316	0.590
KS0079057	28-Feb-98	50050	1.392	2.480	0.898	1.600
KS0079057	28-Feb-98	50050	38.750	43.245	25.000	27.900
KS0079057	28-Feb-98	50050	883.500	899.000	570.000	580.000
KS0079057	31-Mar-98	50050	0.002	0.002	0.001	0.001
KS0079057	31-Mar-98	50050	0.186	0.233	0.120	0.150

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Mar-98	50050	0.426	0.620	0.275	0.400
KS0079057	31-Mar-98	50050	40.610	45.260	26.200	29.200
KS0079057	31-Mar-98	50050	885.050	909.850	571.000	587.000
KS0079057	31-Mar-98	50050	13.656	35.650	8.810	23.000
KS0079057	30-Apr-98	50050	0.016	0.016	0.010	0.010
KS0079057	30-Apr-98	50050	0.211	0.264	0.136	0.170
KS0079057	30-Apr-98	50050	0.527	0.713	0.340	0.460
KS0079057	30-Apr-98	50050	43.865	60.915	28.300	39.300
KS0079057	30-Apr-98	50050	8.866	19.375	5.720	12.500
KS0079057	30-Apr-98	50050	1116.000	1263.250	720.000	815.000
KS0079057	31-May-98	50050	0.023	0.023	0.015	0.015
KS0079057	31-May-98	50050	0.128	0.217	0.083	0.140
KS0079057	31-May-98	50050	0.202	0.243	0.130	0.157
KS0079057	31-May-98	50050	1.581	1.581	1.020	1.020
KS0079057	31-May-98	50050	1.876	2.651	1.210	1.710
KS0079057	31-May-98	50050	41.385	45.260	26.700	29.200
KS0079057	31-May-98	50050	1253.950	1309.750	809.000	845.000
KS0079057	30-Jun-98	50050	0.023	0.023	0.015	0.015
KS0079057	30-Jun-98	50050	0.195	0.279	0.126	0.180
KS0079057	30-Jun-98	50050	0.499	1.070	0.322	0.690
KS0079057	30-Jun-98	50050	42.780	45.260	27.600	29.200
KS0079057	30-Jun-98	50050	1267.900	1311.300	818.000	846.000
KS0079057	31-Jul-98	50050	0.023	0.023	0.015	0.015
KS0079057	31-Jul-98	50050	0.184	0.233	0.119	0.150
KS0079057	31-Jul-98	50050	0.507	1.252	0.327	0.808
KS0079057	31-Jul-98	50050	46.500	63.085	30.000	40.700
KS0079057	31-Jul-98	50050	64.635	241.800	41.700	156.000
KS0079057	31-Jul-98	50050	1303.550	1401.200	841.000	904.000
KS0079057	31-Aug-98	50050	0.022	0.023	0.015	0.015
KS0079057	31-Aug-98	50050	0.177	0.217	0.114	0.140
KS0079057	31-Aug-98	50050	0.688	0.763	0.444	0.492
KS0079057	31-Aug-98	50050	1.705	1.705	1.100	1.100
KS0079057	31-Aug-98	50050	46.655	65.255	30.100	42.100
KS0079057	31-Aug-98	50050	6.758	12.602	4.360	8.130
KS0079057	31-Aug-98	50050	1297.350	1314.400	837.000	848.000
KS0079057	30-Sep-98	50050	0.019	0.023	0.012	0.015
KS0079057	30-Sep-98	50050	0.161	0.186	0.104	0.120
KS0079057	30-Sep-98	50050	1.189	2.635	0.767	1.700
KS0079057	30-Sep-98	50050	44.795	45.725	28.900	29.500
KS0079057	30-Sep-98	50050	1302.000	1312.850	840.000	847.000
KS0079057	31-Oct-98	50050	0.029	0.041	0.018	0.027
KS0079057	31-Oct-98	50050	0.158	0.202	0.102	0.130
KS0079057	31-Oct-98	50050	0.698	0.713	0.450	0.460
KS0079057	31-Oct-98	50050	18.135	35.650	11.700	23.000
KS0079057	31-Oct-98	50050	41.695	45.725	26.900	29.500
KS0079057	31-Oct-98	50050	5.301	13.749	3.420	8.870
KS0079057	31-Oct-98	50050	1295.800	1312.850	836.000	847.000
KS0079057	30-Nov-98	50050	0.020	0.023	0.013	0.015
KS0079057	30-Nov-98	50050	0.175	0.206	0.113	0.133
KS0079057	30-Nov-98	50050	0.391	0.853	0.252	0.550
KS0079057	30-Nov-98	50050	38.905	100.750	25.100	65.000
KS0079057	30-Nov-98	50050	44.330	62.000	28.600	40.000
KS0079057	30-Nov-98	50050	1171.800	1269.450	756.000	819.000
KS0079057	31-Dec-98	50050	0.022	0.023	0.014	0.015
KS0079057	31-Dec-98	50050	0.056	0.124	0.036	0.080
KS0079057	31-Dec-98	50050	0.105	0.140	0.068	0.090
KS0079057	31-Dec-98	50050	17.360	35.650	11.200	23.000
KS0079057	31-Dec-98	50050	40.455	44.175	26.100	28.500
KS0079057	31-Dec-98	50050	920.700	1264.800	594.000	816.000
KS0079057	31-Jan-99	50050	0.022	0.023	0.014	0.015
KS0079057	31-Jan-99	50050	0.076	0.076	0.049	0.049
KS0079057	31-Jan-99	50050	0.226	0.274	0.146	0.177
KS0079057	31-Jan-99	50050	0.521	0.853	0.336	0.550
KS0079057	31-Jan-99	50050	38.440	41.385	24.800	26.700
KS0079057	31-Jan-99	50050	891.250	945.500	575.000	610.000
KS0079057	28-Feb-99	50050	0.023	0.023	0.015	0.015
KS0079057	28-Feb-99	50050	0.212	0.285	0.137	0.184
KS0079057	28-Feb-99	50050	0.508	0.963	0.328	0.621
KS0079057	28-Feb-99	50050	37.200	40.610	24.000	26.200
KS0079057	28-Feb-99	50050	881.950	906.750	569.000	585.000
KS0079057	28-Feb-99	50050	9.703	27.125	6.260	17.500
KS0079057	31-Mar-99	50050	0.023	0.023	0.015	0.015
KS0079057	31-Mar-99	50050	0.180	0.217	0.116	0.140

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Mar-99	50050	0.546	0.884	0.352	0.570
KS0079057	31-Mar-99	50050	2.418	2.418	1.560	1.560
KS0079057	31-Mar-99	50050	43.400	44.175	28.000	28.500
KS0079057	31-Mar-99	50050	900.550	908.300	581.000	586.000
KS0079057	30-Apr-99	50050	0.103	0.539	0.066	0.348
KS0079057	30-Apr-99	50050	0.153	0.217	0.099	0.140
KS0079057	30-Apr-99	50050	0.651	1.070	0.420	0.690
KS0079057	30-Apr-99	50050	22.010	46.500	14.200	30.000
KS0079057	30-Apr-99	50050	36.890	71.300	23.800	46.000
KS0079057	30-Apr-99	50050	874.200	897.450	564.000	579.000
KS0079057	31-May-99	50050	0.018	0.023	0.011	0.015
KS0079057	31-May-99	50050	0.172	0.217	0.111	0.140
KS0079057	31-May-99	50050	0.174	0.279	0.112	0.180
KS0079057	31-May-99	50050	23.095	65.100	14.900	42.000
KS0079057	31-May-99	50050	4.294	14.741	2.770	9.510
KS0079057	31-May-99	50050	41.850	49.600	27.000	32.000
KS0079057	31-May-99	50050	1275.650	1326.800	823.000	856.000
KS0079057	30-Jun-99	50050	0.020	0.023	0.013	0.015
KS0079057	30-Jun-99	50050	0.256	0.279	0.165	0.180
KS0079057	30-Jun-99	50050	0.583	0.961	0.376	0.620
KS0079057	30-Jun-99	50050	15.655	30.845	10.100	19.900
KS0079057	30-Jun-99	50050	43.400	79.825	28.000	51.500
KS0079057	30-Jun-99	50050	5.797	12.555	3.740	8.100
KS0079057	30-Jun-99	50050	1294.250	1413.600	835.000	912.000
KS0079057	31-Jul-99	50050	0.009	0.013	0.006	0.008
KS0079057	31-Jul-99	50050	0.147	0.186	0.095	0.120
KS0079057	31-Jul-99	50050	0.729	1.194	0.470	0.770
KS0079057	31-Jul-99	50050	43.400	44.640	28.000	28.800
KS0079057	31-Jul-99	50050	9.145	9.145	5.900	5.900
KS0079057	31-Jul-99	50050	1297.350	1410.500	837.000	910.000
KS0079057	31-Aug-99	50050	0.010	0.029	0.007	0.019
KS0079057	31-Aug-99	50050	0.191	0.202	0.123	0.130
KS0079057	31-Aug-99	50050	0.372	0.713	0.240	0.460
KS0079057	31-Aug-99	50050	43.090	47.430	27.800	30.600
KS0079057	31-Aug-99	50050	1294.250	1302.000	835.000	840.000
KS0079057	30-Sep-99	50050	0.006	0.007	0.004	0.004
KS0079057	30-Sep-99	50050	0.181	0.186	0.117	0.120
KS0079057	30-Sep-99	50050	0.533	0.760	0.344	0.490
KS0079057	30-Sep-99	50050	43.090	44.950	27.800	29.000
KS0079057	30-Sep-99	50050	1288.050	1302.000	831.000	840.000
KS0079057	31-Oct-99	50050	0.007	0.013	0.005	0.008
KS0079057	31-Oct-99	50050	0.264	0.502	0.170	0.324
KS0079057	31-Oct-99	50050	0.546	0.636	0.352	0.410
KS0079057	31-Oct-99	50050	42.315	45.725	27.300	29.500
KS0079057	31-Oct-99	50050	1280.300	1303.550	826.000	841.000
KS0079057	30-Nov-99	50050	0.021	0.022	0.014	0.014
KS0079057	30-Nov-99	50050	0.248	0.248	0.160	0.160
KS0079057	30-Nov-99	50050	0.259	0.499	0.167	0.322
KS0079057	30-Nov-99	50050	0.725	0.806	0.468	0.520
KS0079057	30-Nov-99	50050	41.850	47.430	27.000	30.600
KS0079057	30-Nov-99	50050	1292.700	1306.650	834.000	843.000
KS0079057	31-Dec-99	50050	0.017	0.030	0.011	0.019
KS0079057	31-Dec-99	50050	0.233	0.233	0.150	0.150
KS0079057	31-Dec-99	50050	0.239	0.254	0.154	0.164
KS0079057	31-Dec-99	50050	0.741	1.101	0.478	0.710
KS0079057	31-Dec-99	50050	42.315	45.725	27.300	29.500
KS0079057	31-Dec-99	50050	984.250	1305.100	635.000	842.000
KS0079057	31-Jan-00	50050	0.006	0.007	0.004	0.004
KS0079057	31-Jan-00	50050	0.008	0.008	0.005	0.005
KS0079057	31-Jan-00	50050	0.242	0.260	0.156	0.168
KS0079057	31-Jan-00	50050	0.415	0.853	0.268	0.550
KS0079057	31-Jan-00	50050	41.075	43.245	26.500	27.900
KS0079057	31-Jan-00	50050	899.000	916.050	580.000	591.000
KS0079057	29-Feb-00	50050	0.007	0.007	0.004	0.005
KS0079057	29-Feb-00	50050	0.260	0.477	0.168	0.308
KS0079057	29-Feb-00	50050	0.764	0.915	0.493	0.590
KS0079057	29-Feb-00	50050	42.470	59.675	27.400	38.500
KS0079057	29-Feb-00	50050	894.350	914.500	577.000	590.000
KS0079057	31-Mar-00	50050	0.006	0.007	0.004	0.004
KS0079057	31-Mar-00	50050	0.277	0.338	0.179	0.218
KS0079057	31-Mar-00	50050	0.586	0.713	0.378	0.460
KS0079057	31-Mar-00	50050	1.442	2.418	0.930	1.560
KS0079057	31-Mar-00	50050	41.540	43.245	26.800	27.900

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Mar-00	50050	895.900	922.250	578.000	595.000
KS0079057	30-Apr-00	50050	0.020	0.030	0.013	0.019
KS0079057	30-Apr-00	50050	0.268	0.295	0.173	0.190
KS0079057	30-Apr-00	50050	0.636	0.713	0.410	0.460
KS0079057	30-Apr-00	50050	42.005	44.175	27.100	28.500
KS0079057	30-Apr-00	50050	1139.250	1253.950	735.000	809.000
KS0079057	31-May-00	50050	0.021	0.023	0.014	0.015
KS0079057	31-May-00	50050	0.250	0.322	0.161	0.208
KS0079057	31-May-00	50050	0.364	0.605	0.235	0.390
KS0079057	31-May-00	50050	38.905	44.175	25.100	28.500
KS0079057	31-May-00	50050	1280.300	1298.900	826.000	838.000
KS0079057	30-Jun-00	50050	0.015	0.024	0.010	0.016
KS0079057	30-Jun-00	50050	0.277	0.322	0.179	0.208
KS0079057	30-Jun-00	50050	0.615	1.316	0.397	0.849
KS0079057	30-Jun-00	50050	45.260	48.515	29.200	31.300
KS0079057	30-Jun-00	50050	1295.800	1305.100	836.000	842.000
KS0079057	31-Jul-00	50050	0.015	0.024	0.010	0.016
KS0079057	31-Jul-00	50050	0.322	0.567	0.208	0.366
KS0079057	31-Jul-00	50050	0.473	0.760	0.305	0.490
KS0079057	31-Jul-00	50050	52.390	67.890	33.800	43.800
KS0079057	31-Jul-00	50050	12.788	12.788	8.250	8.250
KS0079057	31-Jul-00	50050	1291.150	1331.450	833.000	859.000
KS0079057	31-Aug-00	50050	0.016	0.029	0.010	0.019
KS0079057	31-Aug-00	50050	0.282	0.521	0.182	0.336
KS0079057	31-Aug-00	50050	0.386	0.636	0.249	0.410
KS0079057	31-Aug-00	50050	45.880	66.960	29.600	43.200
KS0079057	31-Aug-00	50050	1291.150	1305.100	833.000	842.000
KS0079057	30-Sep-00	50050	0.033	0.052	0.021	0.034
KS0079057	30-Sep-00	50050	0.281	0.527	0.181	0.340
KS0079057	30-Sep-00	50050	0.473	0.763	0.305	0.492
KS0079057	30-Sep-00	50050	45.260	48.515	29.200	31.300
KS0079057	30-Sep-00	50050	1117.550	1315.950	721.000	849.000
KS0079057	31-Oct-00	50050	0.037	0.143	0.024	0.092
KS0079057	31-Oct-00	50050	0.254	0.270	0.164	0.174
KS0079057	31-Oct-00	50050	0.603	1.380	0.389	0.890
KS0079057	31-Oct-00	50050	472.750	874.200	305.000	564.000
KS0079057	31-Oct-00	50050	61.690	93.775	39.800	60.500
KS0079057	30-Nov-00	50050	0.048	0.166	0.031	0.107
KS0079057	30-Nov-00	50050	0.265	0.307	0.171	0.198
KS0079057	30-Nov-00	50050	0.471	1.252	0.304	0.808
KS0079057	30-Nov-00	50050	49.600	78.740	32.000	50.800
KS0079057	30-Nov-00	50050	886.600	902.100	572.000	582.000
KS0079057	31-Dec-00	50050	0.022	0.023	0.014	0.015
KS0079057	31-Dec-00	50050	0.257	0.301	0.166	0.194
KS0079057	31-Dec-00	50050	0.626	1.268	0.404	0.818
KS0079057	31-Dec-00	50050	38.285	41.385	24.700	26.700
KS0079057	31-Dec-00	50050	868.000	902.100	560.000	582.000
KS0079057	31-Jan-01	50050	0.022	0.023	0.014	0.015
KS0079057	31-Jan-01	50050	0.284	0.474	0.183	0.306
KS0079057	31-Jan-01	50050	0.482	1.017	0.311	0.656
KS0079057	31-Jan-01	50050	41.075	41.385	26.500	26.700
KS0079057	31-Jan-01	50050	889.700	903.650	574.000	583.000
KS0079057	28-Feb-01	50050	0.021	0.023	0.014	0.015
KS0079057	28-Feb-01	50050	0.265	0.301	0.171	0.194
KS0079057	28-Feb-01	50050	0.490	0.811	0.316	0.523
KS0079057	28-Feb-01	50050	41.075	41.850	26.500	27.000
KS0079057	28-Feb-01	50050	885.050	892.800	571.000	576.000
KS0079057	31-Mar-01	50050	0.248	0.285	0.160	0.184
KS0079057	31-Mar-01	50050	0.504	1.017	0.325	0.656
KS0079057	31-Mar-01	50050	41.385	43.555	26.700	28.100
KS0079057	31-Mar-01	50050	886.600	899.000	572.000	580.000
KS0079057	30-Apr-01	50050	0.017	0.023	0.011	0.015
KS0079057	30-Apr-01	50050	0.245	0.273	0.158	0.176
KS0079057	30-Apr-01	50050	0.457	0.811	0.295	0.523
KS0079057	30-Apr-01	50050	43.865	62.775	28.300	40.500
KS0079057	30-Apr-01	50050	1112.900	1303.550	718.000	841.000
KS0079057	31-May-01	50050	0.015	0.022	0.010	0.014
KS0079057	31-May-01	50050	0.022	0.090	0.015	0.058
KS0079057	31-May-01	50050	0.307	0.555	0.198	0.358
KS0079057	31-May-01	50050	0.408	1.017	0.263	0.656
KS0079057	31-May-01	50050	44.330	47.430	28.600	30.600
KS0079057	31-May-01	50050	1284.950	1308.200	829.000	844.000
KS0079057	30-Jun-01	50050	0.021	0.021	0.013	0.014

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	30-Jun-01	50050	0.253	0.304	0.163	0.196
KS0079057	30-Jun-01	50050	0.543	1.252	0.350	0.808
KS0079057	30-Jun-01	50050	44.485	45.260	28.700	29.200
KS0079057	30-Jun-01	50050	1297.350	1305.100	837.000	842.000
KS0079057	31-Jul-01	50050	0.020	0.020	0.013	0.013
KS0079057	31-Jul-01	50050	0.276	0.508	0.178	0.328
KS0079057	31-Jul-01	50050	0.507	1.252	0.327	0.808
KS0079057	31-Jul-01	50050	45.880	49.135	29.600	31.700
KS0079057	31-Jul-01	50050	9.285	14.725	5.990	9.500
KS0079057	31-Jul-01	50050	1292.700	1329.900	834.000	858.000
KS0079057	31-Aug-01	50050	0.016	0.025	0.010	0.016
KS0079057	31-Aug-01	50050	0.271	0.372	0.175	0.240
KS0079057	31-Aug-01	50050	0.521	1.132	0.336	0.730
KS0079057	31-Aug-01	50050	43.400	45.725	28.000	29.500
KS0079057	31-Aug-01	50050	1284.950	1305.100	829.000	842.000
KS0079057	30-Sep-01	50050	0.016	0.022	0.010	0.014
KS0079057	30-Sep-01	50050	0.299	0.580	0.193	0.374
KS0079057	30-Sep-01	50050	0.513	1.252	0.331	0.808
KS0079057	30-Sep-01	50050	45.260	45.725	29.200	29.500
KS0079057	30-Sep-01	50050	1291.150	1297.350	833.000	837.000
KS0079057	31-Oct-01	50050	0.019	0.044	0.012	0.029
KS0079057	31-Oct-01	50050	0.271	0.338	0.175	0.218
KS0079057	31-Oct-01	50050	0.408	0.859	0.263	0.554
KS0079057	31-Oct-01	50050	45.415	62.000	29.300	40.000
KS0079057	31-Oct-01	50050	1288.050	1298.900	831.000	838.000
KS0079057	30-Nov-01	50050	0.012	0.018	0.007	0.012
KS0079057	30-Nov-01	50050	0.268	0.319	0.173	0.206
KS0079057	30-Nov-01	50050	0.401	0.763	0.259	0.492
KS0079057	30-Nov-01	50050	46.035	53.630	29.700	34.600
KS0079057	30-Nov-01	50050	1204.350	1302.000	777.000	840.000
KS0079057	31-Dec-01	50050	0.022	0.027	0.014	0.017
KS0079057	31-Dec-01	50050	0.276	0.505	0.178	0.326
KS0079057	31-Dec-01	50050	0.608	0.859	0.392	0.554
KS0079057	31-Dec-01	50050	45.105	58.125	29.100	37.500
KS0079057	31-Dec-01	50050	930.000	1280.300	600.000	826.000
KS0079057	31-Jan-02	50050	0.027	0.046	0.017	0.030
KS0079057	31-Jan-02	50050	0.267	0.381	0.172	0.246
KS0079057	31-Jan-02	50050	0.535	0.859	0.345	0.554
KS0079057	31-Jan-02	50050	41.695	41.850	26.900	27.000
KS0079057	31-Jan-02	50050	891.250	902.100	575.000	582.000
KS0079057	28-Feb-02	50050	0.017	0.022	0.011	0.014
KS0079057	28-Feb-02	50050	0.264	0.288	0.170	0.186
KS0079057	28-Feb-02	50050	0.502	0.763	0.324	0.492
KS0079057	28-Feb-02	50050	42.470	44.640	27.400	28.800
KS0079057	28-Feb-02	50050	894.350	908.300	577.000	586.000
KS0079057	31-Mar-02	50050	0.026	0.078	0.017	0.050
KS0079057	31-Mar-02	50050	0.299	0.543	0.193	0.350
KS0079057	31-Mar-02	50050	0.494	1.252	0.319	0.808
KS0079057	31-Mar-02	50050	41.540	44.950	26.800	29.000
KS0079057	31-Mar-02	50050	889.700	900.550	574.000	581.000
KS0079057	30-Apr-02	50050	0.070	0.406	0.045	0.262
KS0079057	30-Apr-02	50050	0.318	0.533	0.205	0.344
KS0079057	30-Apr-02	50050	0.532	1.252	0.343	0.808
KS0079057	30-Apr-02	50050	37.045	43.245	23.900	27.900
KS0079057	30-Apr-02	50050	404.550	903.650	261.000	583.000
KS0079057	31-May-02	50050	0.033	0.195	0.022	0.126
KS0079057	31-May-02	50050	0.284	0.524	0.183	0.338
KS0079057	31-May-02	50050	0.535	1.252	0.345	0.808
KS0079057	31-May-02	50050	50.065	93.775	32.300	60.500
KS0079057	31-May-02	50050	1257.050	1294.250	811.000	835.000
KS0079057	30-Jun-02	50050	0.211	0.223	0.136	0.144
KS0079057	30-Jun-02	50050	0.281	0.512	0.181	0.330
KS0079057	30-Jun-02	50050	0.456	0.811	0.294	0.523
KS0079057	30-Jun-02	50050	45.260	46.345	29.200	29.900
KS0079057	30-Jun-02	50050	1288.050	1294.250	831.000	835.000
KS0079057	31-Jul-02	50050	0.018	0.023	0.012	0.015
KS0079057	31-Jul-02	50050	0.254	0.310	0.164	0.200
KS0079057	31-Jul-02	50050	0.357	0.357	0.230	0.230
KS0079057	31-Jul-02	50050	0.536	0.910	0.346	0.587
KS0079057	31-Jul-02	50050	45.880	46.810	29.600	30.200
KS0079057	31-Jul-02	50050	1284.950	1297.350	829.000	837.000
KS0079057	31-Aug-02	50050	0.019	0.023	0.012	0.015
KS0079057	31-Aug-02	50050	0.276	0.567	0.178	0.366

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Aug-02	50050	0.442	1.252	0.285	0.808
KS0079057	31-Aug-02	50050	45.105	48.050	29.100	31.000
KS0079057	31-Aug-02	50050	1281.850	1297.350	827.000	837.000
KS0079057	30-Sep-02	50050	0.017	0.019	0.011	0.012
KS0079057	30-Sep-02	50050	0.260	0.295	0.168	0.190
KS0079057	30-Sep-02	50050	0.499	1.017	0.322	0.656
KS0079057	30-Sep-02	50050	44.330	44.640	28.600	28.800
KS0079057	30-Sep-02	50050	1281.850	1294.250	827.000	835.000
KS0079057	31-Oct-02	50050	0.017	0.017	0.011	0.011
KS0079057	31-Oct-02	50050	0.267	0.512	0.172	0.330
KS0079057	31-Oct-02	50050	0.539	1.252	0.348	0.808
KS0079057	31-Oct-02	50050	44.640	52.700	28.800	34.000
KS0079057	31-Oct-02	50050	1280.300	1289.600	826.000	832.000
KS0079057	30-Nov-02	50050	0.022	0.022	0.014	0.014
KS0079057	30-Nov-02	50050	0.287	0.608	0.185	0.392
KS0079057	30-Nov-02	50050	0.436	0.859	0.281	0.554
KS0079057	30-Nov-02	50050	41.695	44.640	26.900	28.800
KS0079057	30-Nov-02	50050	1227.600	1274.100	792.000	822.000
KS0079057	31-Dec-02	50050	0.020	0.020	0.013	0.013
KS0079057	31-Dec-02	50050	0.293	0.493	0.189	0.318
KS0079057	31-Dec-02	50050	0.499	0.718	0.322	0.463
KS0079057	31-Dec-02	50050	40.145	45.260	25.900	29.200
KS0079057	31-Dec-02	50050	982.700	1269.450	634.000	819.000
KS0079057	28-Feb-03	50050	0.020	0.023	0.013	0.015
KS0079057	28-Feb-03	50050	0.268	0.496	0.173	0.320
KS0079057	28-Feb-03	50050	0.575	1.017	0.371	0.656
KS0079057	28-Feb-03	50050	39.835	41.850	25.700	27.000
KS0079057	28-Feb-03	50050	889.700	894.350	574.000	577.000
KS0079057	31-Mar-03	50050	0.017	0.022	0.011	0.014
KS0079057	31-Mar-03	50050	0.231	0.276	0.149	0.178
KS0079057	31-Mar-03	50050	0.522	1.190	0.337	0.768
KS0079057	31-Mar-03	50050	42.315	44.640	27.300	28.800
KS0079057	31-Mar-03	50050	889.700	899.000	574.000	580.000
KS0079057	30-Apr-03	50050	0.019	0.019	0.012	0.012
KS0079057	30-Apr-03	50050	0.237	0.260	0.153	0.168
KS0079057	30-Apr-03	50050	0.631	1.252	0.407	0.808
KS0079057	30-Apr-03	50050	1.860	1.860	1.200	1.200
KS0079057	30-Apr-03	50050	44.175	45.260	28.500	29.200
KS0079057	30-Apr-03	50050	11.573	12.788	7.467	8.250
KS0079057	30-Apr-03	50050	1184.665	1289.600	764.300	832.000
KS0079057	31-May-03	50050	0.019	0.020	0.012	0.013
KS0079057	31-May-03	50050	0.242	0.270	0.156	0.174
KS0079057	31-May-03	50050	0.624	1.432	0.402	0.924
KS0079057	31-May-03	50050	1.860	1.860	1.200	1.200
KS0079057	31-May-03	50050	44.037	45.260	28.411	29.200
KS0079057	31-May-03	50050	1282.250	1320.600	827.258	852.000
KS0079057	30-Jun-03	50050	0.026	0.046	0.017	0.029
KS0079057	30-Jun-03	50050	0.260	0.502	0.168	0.324
KS0079057	30-Jun-03	50050	0.452	1.449	0.291	0.935
KS0079057	30-Jun-03	50050	1.860	1.860	1.200	1.200
KS0079057	30-Jun-03	50050	43.574	44.640	28.113	28.800
KS0079057	30-Jun-03	50050	1286.035	1297.350	829.700	837.000
KS0079057	31-Jul-03	50050	0.022	0.023	0.015	0.015
KS0079057	31-Jul-03	50050	0.235	0.276	0.151	0.178
KS0079057	31-Jul-03	50050	0.529	0.718	0.341	0.463
KS0079057	31-Jul-03	50050	1.860	1.860	1.200	1.200
KS0079057	31-Jul-03	50050	42.377	44.640	27.340	28.800
KS0079057	31-Jul-03	50050	1284.000	1298.900	828.387	838.000
KS0079057	31-Aug-03	50050	0.022	0.046	0.014	0.030
KS0079057	31-Aug-03	50050	0.252	0.505	0.163	0.326
KS0079057	31-Aug-03	50050	0.486	1.252	0.314	0.808
KS0079057	31-Aug-03	50050	1.860	1.860	1.200	1.200
KS0079057	31-Aug-03	50050	43.342	44.175	27.963	28.500
KS0079057	31-Aug-03	50050	1278.099	1291.150	824.580	833.000
KS0079057	30-Sep-03	50050	0.023	0.023	0.015	0.015
KS0079057	30-Sep-03	50050	0.242	0.295	0.156	0.190
KS0079057	30-Sep-03	50050	0.525	0.811	0.339	0.523
KS0079057	30-Sep-03	50050	1.860	1.860	1.200	1.200
KS0079057	30-Sep-03	50050	43.478	44.175	28.050	28.500
KS0079057	30-Sep-03	50050	1277.975	1284.950	824.500	829.000
KS0079057	31-Oct-03	50050	0.024	0.045	0.016	0.029
KS0079057	31-Oct-03	50050	0.251	0.512	0.162	0.330
KS0079057	31-Oct-03	50050	0.451	0.718	0.291	0.463

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Oct-03	50050	1.860	1.860	1.200	1.200
KS0079057	31-Oct-03	50050	31.878	43.555	20.567	28.100
KS0079057	31-Oct-03	50050	882.799	1283.400	569.548	828.000
KS0079057	30-Nov-03	50050	0.021	0.051	0.014	0.033
KS0079057	30-Nov-03	50050	0.295	0.555	0.190	0.358
KS0079057	30-Nov-03	50050	0.508	1.252	0.328	0.808
KS0079057	30-Nov-03	50050	1.860	1.860	1.200	1.200
KS0079057	30-Nov-03	50050	55.529	62.465	35.825	40.300
KS0079057	30-Nov-03	50050	831.126	889.700	536.210	574.000
KS0079057	31-Dec-03	50050	0.024	0.030	0.016	0.019
KS0079057	31-Dec-03	50050	0.234	0.484	0.151	0.312
KS0079057	31-Dec-03	50050	0.573	0.963	0.370	0.621
KS0079057	31-Dec-03	50050	1.860	1.860	1.200	1.200
KS0079057	31-Dec-03	50050	59.892	62.775	38.640	40.500
KS0079057	31-Dec-03	50050	891.149	1173.350	574.935	757.000
KS0079057	31-Jan-04	50050	0.021	0.025	0.013	0.016
KS0079057	31-Jan-04	50050	0.231	0.251	0.149	0.162
KS0079057	31-Jan-04	50050	0.438	0.963	0.282	0.621
KS0079057	31-Jan-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Jan-04	50050	54.734	58.745	35.313	37.900
KS0079057	31-Jan-04	50050	981.899	1210.550	633.483	781.000
KS0079057	29-Feb-04	50050	0.018	0.019	0.012	0.012
KS0079057	29-Feb-04	50050	0.239	0.437	0.154	0.282
KS0079057	29-Feb-04	50050	0.535	0.910	0.345	0.587
KS0079057	29-Feb-04	50050	1.860	1.860	1.200	1.200
KS0079057	29-Feb-04	50050	57.331	58.280	36.988	37.600
KS0079057	29-Feb-04	50050	873.237	906.750	563.379	585.000
KS0079057	31-Mar-04	50050	0.011	0.022	0.007	0.014
KS0079057	31-Mar-04	50050	0.219	0.248	0.141	0.160
KS0079057	31-Mar-04	50050	0.509	1.252	0.329	0.808
KS0079057	31-Mar-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Mar-04	50050	61.380	62.465	39.600	40.300
KS0079057	31-Mar-04	50050	979.600	1292.700	632.000	834.000
KS0079057	30-Apr-04	50050	0.016	0.022	0.010	0.014
KS0079057	30-Apr-04	50050	0.234	0.248	0.151	0.160
KS0079057	30-Apr-04	50050	0.527	1.252	0.340	0.808
KS0079057	30-Apr-04	50050	1.860	1.860	1.200	1.200
KS0079057	30-Apr-04	50050	61.768	62.775	39.850	40.500
KS0079057	30-Apr-04	50050	1273.635	1283.400	821.700	828.000
KS0079057	31-May-04	50050	0.011	0.022	0.007	0.014
KS0079057	31-May-04	50050	0.243	0.248	0.157	0.160
KS0079057	31-May-04	50050	0.428	0.428	0.276	0.276
KS0079057	31-May-04	50050	0.546	1.252	0.352	0.808
KS0079057	31-May-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-May-04	50050	4.933	10.850	3.183	7.000
KS0079057	31-May-04	50050	62.388	64.790	40.250	41.800
KS0079057	31-May-04	50050	1276.499	1297.350	823.548	837.000
KS0079057	30-Jun-04	50050	0.016	0.023	0.010	0.015
KS0079057	30-Jun-04	50050	0.215	0.254	0.138	0.164
KS0079057	30-Jun-04	50050	0.709	1.252	0.457	0.808
KS0079057	30-Jun-04	50050	1.860	1.860	1.200	1.200
KS0079057	30-Jun-04	50050	62.868	63.550	40.560	41.000
KS0079057	30-Jun-04	50050	1277.457	1289.600	824.166	832.000
KS0079057	31-Jul-04	50050	0.231	0.251	0.149	0.162
KS0079057	31-Jul-04	50050	0.272	1.252	0.176	0.808
KS0079057	31-Jul-04	50050	0.508	0.641	0.328	0.413
KS0079057	31-Jul-04	50050	0.616	0.636	0.398	0.410
KS0079057	31-Jul-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Jul-04	50050	1251.699	1292.700	807.548	834.000
KS0079057	31-Aug-04	50050	0.004	0.127	0.003	0.082
KS0079057	31-Aug-04	50050	0.236	0.285	0.152	0.184
KS0079057	31-Aug-04	50050	0.429	0.543	0.277	0.350
KS0079057	31-Aug-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Aug-04	50050	60.984	62.775	39.344	40.500
KS0079057	31-Aug-04	50050	1272.000	1283.400	820.645	828.000
KS0079057	30-Sep-04	50050	0.003	0.062	0.002	0.040
KS0079057	30-Sep-04	50050	0.242	0.242	0.156	0.156
KS0079057	30-Sep-04	50050	0.451	0.574	0.291	0.370
KS0079057	30-Sep-04	50050	1.860	1.860	1.200	1.200
KS0079057	30-Sep-04	50050	61.845	64.325	39.900	41.500
KS0079057	30-Sep-04	50050	1273.221	1283.400	821.433	828.000
KS0079057	31-Oct-04	50050	0.090	1.252	0.058	0.808
KS0079057	31-Oct-04	50050	0.221	0.298	0.143	0.192

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	31-Oct-04	50050	0.450	0.597	0.291	0.385
KS0079057	31-Oct-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Oct-04	50050	62.523	65.100	40.338	42.000
KS0079057	31-Oct-04	50050	1266.299	1277.200	816.967	824.000
KS0079057	30-Nov-04	50050	0.076	0.961	0.049	0.620
KS0079057	30-Nov-04	50050	0.259	0.307	0.167	0.198
KS0079057	30-Nov-04	50050	0.421	0.591	0.272	0.381
KS0079057	30-Nov-04	50050	1.860	1.860	1.200	1.200
KS0079057	30-Nov-04	50050	61.535	62.775	39.700	40.500
KS0079057	30-Nov-04	50050	1254.207	1278.750	809.166	825.000
KS0079057	31-Dec-04	50050	0.014	0.112	0.009	0.072
KS0079057	31-Dec-04	50050	0.222	0.248	0.143	0.160
KS0079057	31-Dec-04	50050	0.487	0.660	0.314	0.426
KS0079057	31-Dec-04	50050	1.860	1.860	1.200	1.200
KS0079057	31-Dec-04	50050	57.877	62.775	37.340	40.500
KS0079057	31-Dec-04	50050	891.199	903.650	574.967	583.000
KS0079057	31-Jan-05	50050	0.037	0.578	0.024	0.373
KS0079057	31-Jan-05	50050	0.224	0.233	0.145	0.150
KS0079057	31-Jan-05	50050	0.325	0.450	0.210	0.290
KS0079057	31-Jan-05	50050	1.860	1.860	1.200	1.200
KS0079057	31-Jan-05	50050	53.727	62.775	34.663	40.500
KS0079057	31-Jan-05	50050	873.699	888.150	563.677	573.000
KS0079057	28-Feb-05	50050	0.037	0.245	0.024	0.158
KS0079057	28-Feb-05	50050	0.222	0.236	0.143	0.152
KS0079057	28-Feb-05	50050	0.357	0.459	0.230	0.296
KS0079057	28-Feb-05	50050	1.079	1.079	0.696	0.696
KS0079057	28-Feb-05	50050	54.657	56.265	35.263	36.300
KS0079057	28-Feb-05	50050	883.167	930.000	569.785	600.000
KS0079057	31-Mar-05	50050	0.084	0.673	0.054	0.434
KS0079057	31-Mar-05	50050	0.214	0.233	0.138	0.150
KS0079057	31-Mar-05	50050	0.343	0.453	0.221	0.292
KS0079057	31-Mar-05	50050	59.675	61.845	38.500	39.900
KS0079057	31-Mar-05	50050	906.400	1170.250	584.774	755.000
KS0079057	30-Apr-05	50050	0.037	0.248	0.024	0.160
KS0079057	30-Apr-05	50050	0.097	0.419	0.063	0.270
KS0079057	30-Apr-05	50050	0.314	1.252	0.202	0.808
KS0079057	30-Apr-05	50050	364.250	1178.000	235.000	760.000
KS0079057	30-Apr-05	50050	79.089	102.920	51.025	66.400
KS0079057	31-May-05	50050	0.061	0.248	0.039	0.160
KS0079057	31-May-05	50050	0.121	1.252	0.078	0.808
KS0079057	31-May-05	50050	0.216	0.537	0.139	0.346
KS0079057	31-May-05	50050	63.351	102.920	40.871	66.400
KS0079057	31-May-05	50050	779.399	1281.850	502.838	827.000
KS0079057	30-Jun-05	50050	0.038	0.229	0.024	0.148
KS0079057	30-Jun-05	50050	0.178	0.453	0.115	0.292
KS0079057	30-Jun-05	50050	0.253	1.252	0.163	0.808
KS0079057	30-Jun-05	50050	0.410	0.463	0.265	0.299
KS0079057	30-Jun-05	50050	62.744	64.325	40.480	41.500
KS0079057	30-Jun-05	50050	10.540	46.500	6.800	30.000
KS0079057	30-Jun-05	50050	1277.820	1300.450	824.400	839.000
KS0079057	31-Jul-05	50050	0.061	1.252	0.039	0.808
KS0079057	31-Jul-05	50050	0.062	0.291	0.040	0.188
KS0079057	31-Jul-05	50050	0.415	0.459	0.268	0.296
KS0079057	31-Jul-05	50050	4.166	12.555	2.688	8.100
KS0079057	31-Jul-05	50050	64.926	79.205	41.888	51.100
KS0079057	31-Jul-05	50050	1283.349	1297.350	827.967	837.000
KS0079057	31-Aug-05	50050	0.048	0.254	0.031	0.164
KS0079057	31-Aug-05	50050	0.087	1.252	0.056	0.808
KS0079057	31-Aug-05	50050	0.407	0.502	0.262	0.324
KS0079057	31-Aug-05	50050	43.664	44.640	28.170	28.800
KS0079057	31-Aug-05	50050	1282.349	1294.250	827.322	835.000
KS0079057	30-Sep-05	50050	0.041	0.250	0.027	0.161
KS0079057	30-Sep-05	50050	0.061	0.477	0.040	0.308
KS0079057	30-Sep-05	50050	0.388	0.446	0.251	0.288
KS0079057	30-Sep-05	50050	41.385	43.555	26.700	28.100
KS0079057	30-Sep-05	50050	1287.895	1294.250	830.900	835.000
KS0079057	31-Oct-05	50050	0.008	0.200	0.005	0.129
KS0079057	31-Oct-05	50050	0.034	0.332	0.022	0.214
KS0079057	31-Oct-05	50050	0.337	0.446	0.217	0.288
KS0079057	31-Oct-05	50050	43.124	43.555	27.822	28.100
KS0079057	31-Oct-05	50050	1285.200	1291.150	829.161	833.000
KS0079057	30-Nov-05	50050	0.029	0.233	0.018	0.150
KS0079057	30-Nov-05	50050	0.354	0.434	0.228	0.280

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079057	30-Nov-05	50050	40.881	43.555	26.375	28.100
KS0079057	30-Nov-05	50050	1252.400	1286.500	808.000	830.000
KS0079057	31-Dec-05	50050	0.005	0.143	0.003	0.092
KS0079057	31-Dec-05	50050	0.061	0.254	0.040	0.164
KS0079057	31-Dec-05	50050	0.334	0.383	0.216	0.247
KS0079057	31-Dec-05	50050	38.647	43.400	24.933	28.000
KS0079057	31-Dec-05	50050	877.500	886.600	566.129	572.000
KS0079812	31-Jan-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jan-98	50050	0.682	0.882	0.440	0.569
KS0079812	31-Jan-98	50050	0.806	1.612	0.520	1.040
KS0079812	31-Jan-98	50050	73.625	73.625	47.500	47.500
KS0079812	28-Feb-98	50050	0.003	0.003	0.002	0.002
KS0079812	28-Feb-98	50050	0.330	0.530	0.213	0.342
KS0079812	28-Feb-98	50050	73.625	73.625	47.500	47.500
KS0079812	31-Mar-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-98	50050	0.465	0.724	0.300	0.467
KS0079812	31-Mar-98	50050	1.204	1.204	0.777	0.777
KS0079812	31-Mar-98	50050	73.625	87.110	47.500	56.200
KS0079812	30-Apr-98	50050	0.002	0.002	0.001	0.001
KS0079812	30-Apr-98	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-98	50050	0.065	0.087	0.042	0.056
KS0079812	30-Apr-98	50050	60.295	60.295	38.900	38.900
KS0079812	31-May-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-98	50050	0.043	0.043	0.028	0.028
KS0079812	31-May-98	50050	92.070	147.250	59.400	95.000
KS0079812	30-Jun-98	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-98	50050	0.005	0.005	0.003	0.003
KS0079812	30-Jun-98	50050	0.242	0.277	0.156	0.179
KS0079812	30-Jun-98	50050	141.360	147.250	91.200	95.000
KS0079812	31-Jul-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-98	50050	0.129	0.172	0.084	0.111
KS0079812	31-Jul-98	50050	1.420	1.420	0.916	0.916
KS0079812	31-Jul-98	50050	2.015	4.015	1.300	2.590
KS0079812	31-Jul-98	50050	147.250	147.250	95.000	95.000
KS0079812	31-Aug-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-98	50050	0.005	0.005	0.003	0.003
KS0079812	31-Aug-98	50050	0.375	0.577	0.242	0.372
KS0079812	31-Aug-98	50050	1.111	1.111	0.717	0.717
KS0079812	31-Aug-98	50050	147.250	147.250	95.000	95.000
KS0079812	30-Sep-98	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-98	50050	0.005	0.005	0.003	0.003
KS0079812	30-Sep-98	50050	0.102	0.172	0.066	0.111
KS0079812	30-Sep-98	50050	139.810	147.250	90.200	95.000
KS0079812	31-Oct-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-98	50050	0.005	0.005	0.003	0.003
KS0079812	31-Oct-98	50050	1.111	2.217	0.717	1.430
KS0079812	31-Oct-98	50050	1.597	3.131	1.030	2.020
KS0079812	31-Oct-98	50050	92.070	147.250	59.400	95.000
KS0079812	30-Nov-98	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-98	50050	0.225	0.277	0.145	0.179
KS0079812	30-Nov-98	50050	73.625	73.625	47.500	47.500
KS0079812	31-Dec-98	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-98	50050	0.005	0.005	0.003	0.003
KS0079812	31-Dec-98	50050	0.598	1.108	0.386	0.715
KS0079812	31-Dec-98	50050	73.625	73.625	47.500	47.500
KS0079812	31-Jan-99	50050	0.006	0.006	0.004	0.004
KS0079812	31-Jan-99	50050	1.814	3.131	1.170	2.020
KS0079812	31-Jan-99	50050	73.625	73.625	47.500	47.500
KS0079812	28-Feb-99	50050	0.005	0.005	0.003	0.003
KS0079812	28-Feb-99	50050	0.391	0.577	0.252	0.372
KS0079812	28-Feb-99	50050	73.625	73.625	47.500	47.500
KS0079812	31-Mar-99	50050	0.005	0.005	0.003	0.003
KS0079812	31-Mar-99	50050	0.915	1.473	0.590	0.950
KS0079812	31-Mar-99	50050	1.752	1.752	1.130	1.130
KS0079812	31-Mar-99	50050	91.140	147.250	58.800	95.000
KS0079812	30-Apr-99	50050	0.005	0.005	0.003	0.003
KS0079812	30-Apr-99	50050	0.262	0.316	0.169	0.204
KS0079812	30-Apr-99	50050	1.798	1.798	1.160	1.160
KS0079812	30-Apr-99	50050	95.480	117.180	61.600	75.600
KS0079812	31-May-99	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-99	50050	0.329	0.484	0.212	0.312
KS0079812	31-May-99	50050	1.938	1.938	1.250	1.250
KS0079812	31-May-99	50050	99.665	117.180	64.300	75.600

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079812	30-Jun-99	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-99	50050	0.150	0.172	0.097	0.111
KS0079812	30-Jun-99	50050	1.080	1.080	0.697	0.697
KS0079812	30-Jun-99	50050	147.250	147.250	95.000	95.000
KS0079812	31-Jul-99	50050	0.006	0.006	0.004	0.004
KS0079812	31-Jul-99	50050	0.240	0.240	0.155	0.155
KS0079812	31-Jul-99	50050	1.173	1.173	0.757	0.757
KS0079812	31-Jul-99	50050	147.250	147.250	95.000	95.000
KS0079812	31-Aug-99	50050	0.005	0.005	0.003	0.003
KS0079812	31-Aug-99	50050	0.561	0.882	0.362	0.569
KS0079812	31-Aug-99	50050	141.360	147.250	91.200	95.000
KS0079812	30-Sep-99	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-99	50050	1.167	1.226	0.753	0.791
KS0079812	30-Sep-99	50050	147.250	147.250	95.000	95.000
KS0079812	31-Oct-99	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-99	50050	1.705	1.860	1.100	1.200
KS0079812	31-Oct-99	50050	117.180	117.180	75.600	75.600
KS0079812	30-Nov-99	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-99	50050	0.062	0.062	0.040	0.040
KS0079812	30-Nov-99	50050	1.480	1.736	0.955	1.120
KS0079812	30-Nov-99	50050	108.500	117.180	70.000	75.600
KS0079812	31-Dec-99	50050	0.005	0.005	0.003	0.003
KS0079812	31-Dec-99	50050	1.411	1.474	0.910	0.951
KS0079812	31-Dec-99	50050	1.736	1.736	1.120	1.120
KS0079812	31-Dec-99	50050	84.475	117.180	54.500	75.600
KS0079812	31-Jan-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jan-00	50050	0.005	0.005	0.003	0.003
KS0079812	31-Jan-00	50050	0.873	1.349	0.563	0.870
KS0079812	31-Jan-00	50050	73.625	73.625	47.500	47.500
KS0079812	29-Feb-00	50050	0.003	0.003	0.002	0.002
KS0079812	29-Feb-00	50050	0.005	0.005	0.003	0.003
KS0079812	29-Feb-00	50050	0.172	0.172	0.111	0.111
KS0079812	29-Feb-00	50050	73.625	73.625	47.500	47.500
KS0079812	31-Mar-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-00	50050	0.005	0.005	0.003	0.003
KS0079812	31-Mar-00	50050	0.397	0.397	0.256	0.256
KS0079812	31-Mar-00	50050	132.215	147.250	85.300	95.000
KS0079812	30-Apr-00	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-00	50050	0.005	0.005	0.003	0.003
KS0079812	30-Apr-00	50050	0.355	0.357	0.229	0.230
KS0079812	30-Apr-00	50050	117.180	117.180	75.600	75.600
KS0079812	31-May-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-00	50050	0.710	0.938	0.458	0.605
KS0079812	31-May-00	50050	1.544	1.544	0.996	0.996
KS0079812	31-May-00	50050	95.015	147.250	61.300	95.000
KS0079812	30-Jun-00	50050	0.002	0.002	0.001	0.001
KS0079812	30-Jun-00	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-00	50050	0.319	0.397	0.206	0.256
KS0079812	30-Jun-00	50050	1.297	1.297	0.837	0.837
KS0079812	30-Jun-00	50050	147.250	147.250	95.000	95.000
KS0079812	31-Jul-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-00	50050	0.005	0.005	0.003	0.003
KS0079812	31-Jul-00	50050	0.223	0.240	0.144	0.155
KS0079812	31-Jul-00	50050	147.250	147.250	95.000	95.000
KS0079812	31-Aug-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-00	50050	0.006	0.006	0.004	0.004
KS0079812	31-Aug-00	50050	0.172	0.172	0.111	0.111
KS0079812	31-Aug-00	50050	147.250	147.250	95.000	95.000
KS0079812	30-Sep-00	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-00	50050	0.005	0.005	0.003	0.003
KS0079812	30-Sep-00	50050	0.752	1.107	0.485	0.714
KS0079812	30-Sep-00	50050	117.180	147.250	75.600	95.000
KS0079812	31-Oct-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-00	50050	0.485	0.882	0.313	0.569
KS0079812	31-Oct-00	50050	73.005	87.110	47.100	56.200
KS0079812	30-Nov-00	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-00	50050	0.005	0.005	0.003	0.003
KS0079812	30-Nov-00	50050	1.110	1.226	0.716	0.791
KS0079812	30-Nov-00	50050	77.035	87.110	49.700	56.200
KS0079812	31-Dec-00	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-00	50050	0.006	0.006	0.004	0.004
KS0079812	31-Dec-00	50050	2.077	3.054	1.340	1.970
KS0079812	31-Dec-00	50050	73.625	73.625	47.500	47.500

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079812	31-Mar-01	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-01	50050	0.301	0.397	0.194	0.256
KS0079812	31-Mar-01	50050	1.389	1.389	0.896	0.896
KS0079812	31-Mar-01	50050	73.625	73.625	47.500	47.500
KS0079812	30-Apr-01	50050	0.005	0.005	0.003	0.003
KS0079812	30-Apr-01	50050	0.172	0.172	0.111	0.111
KS0079812	30-Apr-01	50050	99.820	147.250	64.400	95.000
KS0079812	31-May-01	50050	0.005	0.005	0.003	0.003
KS0079812	31-May-01	50050	0.262	0.316	0.169	0.204
KS0079812	31-May-01	50050	106.330	117.180	68.600	75.600
KS0079812	30-Jun-01	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-01	50050	0.225	0.277	0.145	0.179
KS0079812	30-Jun-01	50050	106.330	117.180	68.600	75.600
KS0079812	31-Jul-01	50050	0.005	0.005	0.003	0.003
KS0079812	31-Jul-01	50050	141.360	147.250	91.200	95.000
KS0079812	31-Aug-01	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-01	50050	0.005	0.005	0.003	0.003
KS0079812	31-Aug-01	50050	0.087	0.087	0.056	0.056
KS0079812	31-Aug-01	50050	147.250	147.250	95.000	95.000
KS0079812	30-Sep-01	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-01	50050	0.005	0.005	0.003	0.003
KS0079812	30-Sep-01	50050	0.129	0.129	0.083	0.083
KS0079812	30-Sep-01	50050	147.250	147.250	95.000	95.000
KS0079812	31-Oct-01	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-01	50050	0.006	0.006	0.004	0.004
KS0079812	31-Oct-01	50050	0.172	0.172	0.111	0.111
KS0079812	31-Oct-01	50050	1.581	1.581	1.020	1.020
KS0079812	31-Oct-01	50050	82.305	117.180	53.100	75.600
KS0079812	30-Nov-01	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-01	50050	0.006	0.006	0.004	0.004
KS0079812	30-Nov-01	50050	0.022	0.022	0.014	0.014
KS0079812	30-Nov-01	50050	73.625	73.625	47.500	47.500
KS0079812	31-Dec-01	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-01	50050	0.011	0.011	0.007	0.007
KS0079812	31-Dec-01	50050	0.129	0.129	0.083	0.083
KS0079812	31-Dec-01	50050	73.625	73.625	47.500	47.500
KS0079812	31-Jan-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jan-02	50050	0.008	0.008	0.005	0.005
KS0079812	31-Jan-02	50050	1.736	1.736	1.120	1.120
KS0079812	31-Jan-02	50050	73.625	73.625	47.500	47.500
KS0079812	28-Feb-02	50050	0.003	0.003	0.002	0.002
KS0079812	28-Feb-02	50050	0.006	0.006	0.004	0.004
KS0079812	28-Feb-02	50050	0.674	0.674	0.435	0.435
KS0079812	28-Feb-02	50050	1.705	1.705	1.100	1.100
KS0079812	28-Feb-02	50050	73.625	73.625	47.500	47.500
KS0079812	31-Mar-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-02	50050	0.006	0.006	0.004	0.004
KS0079812	31-Mar-02	50050	0.172	0.172	0.111	0.111
KS0079812	31-Mar-02	50050	73.625	73.625	47.500	47.500
KS0079812	30-Apr-02	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-02	50050	0.005	0.005	0.003	0.003
KS0079812	30-Apr-02	50050	0.087	0.087	0.056	0.056
KS0079812	30-Apr-02	50050	70.990	73.625	45.800	47.500
KS0079812	31-May-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-02	50050	0.005	0.005	0.003	0.003
KS0079812	31-May-02	50050	0.172	0.172	0.111	0.111
KS0079812	31-May-02	50050	1.674	1.674	1.080	1.080
KS0079812	31-May-02	50050	73.625	73.625	47.500	47.500
KS0079812	30-Jun-02	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-02	50050	0.005	0.005	0.003	0.003
KS0079812	30-Jun-02	50050	0.206	0.206	0.133	0.133
KS0079812	30-Jun-02	50050	113.770	147.250	73.400	95.000
KS0079812	31-Jul-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-02	50050	0.005	0.005	0.003	0.003
KS0079812	31-Jul-02	50050	0.172	0.172	0.111	0.111
KS0079812	31-Jul-02	50050	141.360	147.250	91.200	95.000
KS0079812	31-Aug-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-02	50050	0.006	0.006	0.004	0.004
KS0079812	31-Aug-02	50050	0.043	0.043	0.028	0.028
KS0079812	31-Aug-02	50050	147.250	147.250	95.000	95.000
KS0079812	30-Sep-02	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-02	50050	0.005	0.005	0.003	0.003
KS0079812	30-Sep-02	50050	0.129	0.129	0.083	0.083

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079812	30-Sep-02	50050	147.250	147.250	95.000	95.000
KS0079812	31-Oct-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-02	50050	0.006	0.006	0.004	0.004
KS0079812	31-Oct-02	50050	0.129	0.129	0.083	0.083
KS0079812	31-Oct-02	50050	84.475	117.180	54.500	75.600
KS0079812	30-Nov-02	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-02	50050	0.005	0.005	0.003	0.003
KS0079812	30-Nov-02	50050	0.355	0.355	0.229	0.229
KS0079812	30-Nov-02	50050	73.625	73.625	47.500	47.500
KS0079812	31-Dec-02	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-02	50050	0.006	0.006	0.004	0.004
KS0079812	31-Dec-02	50050	0.577	0.577	0.372	0.372
KS0079812	31-Dec-02	50050	73.625	73.625	47.500	47.500
KS0079812	28-Feb-03	50050	0.003	0.003	0.002	0.002
KS0079812	28-Feb-03	50050	0.005	0.005	0.003	0.003
KS0079812	28-Feb-03	50050	0.172	0.172	0.111	0.111
KS0079812	28-Feb-03	50050	66.960	73.656	43.200	47.520
KS0079812	31-Mar-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-03	50050	1.349	1.349	0.870	0.870
KS0079812	31-Mar-03	50050	60.264	60.264	38.880	38.880
KS0079812	30-Apr-03	50050	0.002	0.002	0.001	0.001
KS0079812	30-Apr-03	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-03	50050	0.140	0.172	0.090	0.111
KS0079812	30-Apr-03	50050	63.612	73.656	41.040	47.520
KS0079812	31-May-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-03	50050	0.005	0.005	0.003	0.003
KS0079812	31-May-03	50050	0.037	0.037	0.024	0.024
KS0079812	31-May-03	50050	0.674	0.674	0.435	0.435
KS0079812	31-May-03	50050	73.656	73.656	47.520	47.520
KS0079812	30-Jun-03	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-03	50050	0.005	0.005	0.003	0.003
KS0079812	30-Jun-03	50050	0.882	0.882	0.569	0.569
KS0079812	30-Jun-03	50050	123.194	147.250	79.480	95.000
KS0079812	31-Jul-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-03	50050	0.005	0.005	0.003	0.003
KS0079812	31-Jul-03	50050	0.172	0.172	0.111	0.111
KS0079812	31-Jul-03	50050	147.250	147.250	95.000	95.000
KS0079812	31-Aug-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-03	50050	0.008	0.008	0.005	0.005
KS0079812	31-Aug-03	50050	0.043	0.043	0.028	0.028
KS0079812	31-Aug-03	50050	147.250	147.250	95.000	95.000
KS0079812	30-Sep-03	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-03	50050	0.006	0.006	0.004	0.004
KS0079812	30-Sep-03	50050	1.603	1.603	1.034	1.034
KS0079812	30-Sep-03	50050	139.733	147.250	90.150	95.000
KS0079812	31-Oct-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-03	50050	0.006	0.006	0.004	0.004
KS0079812	31-Oct-03	50050	0.172	0.172	0.111	0.111
KS0079812	31-Oct-03	50050	95.403	117.180	61.550	75.600
KS0079812	30-Nov-03	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-03	50050	0.006	0.006	0.004	0.004
KS0079812	30-Nov-03	50050	0.316	0.316	0.204	0.204
KS0079812	30-Nov-03	50050	73.656	73.656	47.520	47.520
KS0079812	31-Dec-03	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-03	50050	0.008	0.008	0.005	0.005
KS0079812	31-Dec-03	50050	0.316	0.316	0.204	0.204
KS0079812	31-Dec-03	50050	73.656	73.656	47.520	47.520
KS0079812	31-Jan-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jan-04	50050	3.054	3.054	1.970	1.970
KS0079812	31-Jan-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Jan-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-Jan-04	50050	73.656	73.656	47.520	47.520
KS0079812	31-Jan-04	50050	1.860	1.860	1.200	1.200
KS0079812	29-Feb-04	50050	0.003	0.003	0.002	0.002
KS0079812	29-Feb-04	50050	0.006	0.006	0.004	0.004
KS0079812	29-Feb-04	50050	0.316	0.316	0.204	0.204
KS0079812	29-Feb-04	50050	3.131	3.131	2.020	2.020
KS0079812	29-Feb-04	50050	4.697	4.697	3.030	3.030
KS0079812	29-Feb-04	50050	73.656	73.656	47.520	47.520
KS0079812	31-Mar-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-04	50050	0.882	0.882	0.569	0.569
KS0079812	31-Mar-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Mar-04	50050	4.697	4.697	3.030	3.030

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079812	31-Mar-04	50050	73.656	73.656	47.520	47.520
KS0079812	31-Mar-04	50050	2.170	2.170	1.400	1.400
KS0079812	30-Apr-04	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-04	50050	0.172	0.172	0.111	0.111
KS0079812	30-Apr-04	50050	3.131	3.131	2.020	2.020
KS0079812	30-Apr-04	50050	4.697	4.697	3.030	3.030
KS0079812	30-Apr-04	50050	117.180	117.180	75.600	75.600
KS0079812	31-May-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-04	50050	0.674	0.674	0.435	0.435
KS0079812	31-May-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-May-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-May-04	50050	60.264	60.264	38.880	38.880
KS0079812	31-May-04	50050	2.031	2.031	1.310	1.310
KS0079812	30-Jun-04	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-04	50050	0.316	0.316	0.204	0.204
KS0079812	30-Jun-04	50050	3.131	3.131	2.020	2.020
KS0079812	30-Jun-04	50050	4.697	4.697	3.030	3.030
KS0079812	30-Jun-04	50050	117.180	117.180	75.600	75.600
KS0079812	31-Jul-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-04	50050	0.397	0.397	0.256	0.256
KS0079812	31-Jul-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Jul-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-Jul-04	50050	132.246	147.312	85.320	95.040
KS0079812	31-Jul-04	50050	1.606	1.606	1.036	1.036
KS0079812	31-Aug-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-04	50050	1.860	1.860	1.200	1.200
KS0079812	31-Aug-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Aug-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-Aug-04	50050	147.312	147.312	95.040	95.040
KS0079812	30-Sep-04	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-04	50050	0.005	0.005	0.003	0.003
KS0079812	30-Sep-04	50050	0.884	0.884	0.570	0.570
KS0079812	30-Sep-04	50050	3.131	3.131	2.020	2.020
KS0079812	30-Sep-04	50050	4.697	4.697	3.030	3.030
KS0079812	30-Sep-04	50050	147.312	147.312	95.040	95.040
KS0079812	31-Oct-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-04	50050	0.310	0.310	0.200	0.200
KS0079812	31-Oct-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Oct-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-Oct-04	50050	147.312	147.312	95.040	95.040
KS0079812	30-Nov-04	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-04	50050	0.006	0.006	0.004	0.004
KS0079812	30-Nov-04	50050	0.884	0.884	0.570	0.570
KS0079812	30-Nov-04	50050	3.131	3.131	2.020	2.020
KS0079812	30-Nov-04	50050	4.697	4.697	3.030	3.030
KS0079812	30-Nov-04	50050	73.656	73.656	47.520	47.520
KS0079812	31-Dec-04	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-04	50050	0.484	0.484	0.312	0.312
KS0079812	31-Dec-04	50050	3.131	3.131	2.020	2.020
KS0079812	31-Dec-04	50050	4.697	4.697	3.030	3.030
KS0079812	31-Dec-04	50050	73.656	73.656	47.520	47.520
KS0079812	31-Dec-04	50050	1.984	1.984	1.280	1.280
KS0079812	31-Jan-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jan-05	50050	0.481	0.481	0.310	0.310
KS0079812	31-Jan-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Jan-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Jan-05	50050	73.656	73.656	47.520	47.520
KS0079812	28-Feb-05	50050	0.003	0.003	0.002	0.002
KS0079812	28-Feb-05	50050	0.006	0.006	0.004	0.004
KS0079812	28-Feb-05	50050	0.674	0.674	0.435	0.435
KS0079812	28-Feb-05	50050	3.131	3.131	2.020	2.020
KS0079812	28-Feb-05	50050	4.697	4.697	3.030	3.030
KS0079812	28-Feb-05	50050	73.656	73.656	47.520	47.520
KS0079812	31-Mar-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Mar-05	50050	2.155	2.155	1.390	1.390
KS0079812	31-Mar-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Mar-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Mar-05	50050	52.545	52.545	33.900	33.900
KS0079812	31-Mar-05	50050	1.612	1.612	1.040	1.040
KS0079812	30-Apr-05	50050	0.003	0.003	0.002	0.002
KS0079812	30-Apr-05	50050	0.484	0.484	0.312	0.312
KS0079812	30-Apr-05	50050	3.131	3.131	2.020	2.020
KS0079812	30-Apr-05	50050	4.697	4.697	3.030	3.030

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0079812	30-Apr-05	50050	117.180	117.180	75.600	75.600
KS0079812	31-May-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-May-05	50050	0.005	0.005	0.003	0.003
KS0079812	31-May-05	50050	0.326	0.326	0.210	0.210
KS0079812	31-May-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-May-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-May-05	50050	103.788	103.788	66.960	66.960
KS0079812	30-Jun-05	50050	0.003	0.003	0.002	0.002
KS0079812	30-Jun-05	50050	0.172	0.172	0.111	0.111
KS0079812	30-Jun-05	50050	3.131	3.131	2.020	2.020
KS0079812	30-Jun-05	50050	4.697	4.697	3.030	3.030
KS0079812	30-Jun-05	50050	147.312	147.312	95.040	95.040
KS0079812	31-Jul-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Jul-05	50050	0.047	0.047	0.030	0.030
KS0079812	31-Jul-05	50050	0.093	0.093	0.060	0.060
KS0079812	31-Jul-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Jul-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Jul-05	50050	147.312	147.312	95.040	95.040
KS0079812	31-Aug-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Aug-05	50050	0.240	0.240	0.155	0.155
KS0079812	31-Aug-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Aug-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Aug-05	50050	147.312	147.312	95.040	95.040
KS0079812	30-Sep-05	50050	0.003	0.003	0.002	0.002
KS0079812	30-Sep-05	50050	0.673	0.673	0.434	0.434
KS0079812	30-Sep-05	50050	3.131	3.131	2.020	2.020
KS0079812	30-Sep-05	50050	4.697	4.697	3.030	3.030
KS0079812	30-Sep-05	50050	147.312	147.312	95.040	95.040
KS0079812	31-Oct-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Oct-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Oct-05	50050	3.556	3.556	2.294	2.294
KS0079812	31-Oct-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Oct-05	50050	117.180	117.180	75.600	75.600
KS0079812	30-Nov-05	50050	0.003	0.003	0.002	0.002
KS0079812	30-Nov-05	50050	0.047	0.047	0.030	0.030
KS0079812	30-Nov-05	50050	1.107	1.107	0.714	0.714
KS0079812	30-Nov-05	50050	3.131	3.131	2.020	2.020
KS0079812	30-Nov-05	50050	4.697	4.697	3.030	3.030
KS0079812	30-Nov-05	50050	117.180	117.180	75.600	75.600
KS0079812	31-Dec-05	50050	0.003	0.003	0.002	0.002
KS0079812	31-Dec-05	50050	0.884	0.884	0.570	0.570
KS0079812	31-Dec-05	50050	3.131	3.131	2.020	2.020
KS0079812	31-Dec-05	50050	4.697	4.697	3.030	3.030
KS0079812	31-Dec-05	50050	73.656	73.656	47.520	47.520
KS0080837	31-Jan-98	50050	4.743	9.300	3.060	6.000
KS0080837	28-Feb-98	50050	2.666	3.286	1.720	2.120
KS0080837	31-Mar-98	50050	5.115	8.432	3.300	5.440
KS0080837	30-Apr-98	50050	5.038	7.843	3.250	5.060
KS0080837	31-May-98	50050	3.689	6.247	2.380	4.030
KS0080837	30-Jun-98	50050	2.961	5.503	1.910	3.550
KS0080837	31-Jul-98	50050	3.069	4.712	1.980	3.040
KS0080837	31-Aug-98	50050	2.682	4.216	1.730	2.720
KS0080837	30-Sep-98	50050	3.100	6.293	2.000	4.060
KS0080837	31-Oct-98	50050	4.852	8.866	3.130	5.720
KS0080837	30-Nov-98	50050	5.379	9.827	3.470	6.340
KS0080837	31-Dec-98	50050	3.286	6.541	2.120	4.220
KS0080837	31-Jan-99	50050	2.527	5.053	1.630	3.260
KS0080837	28-Feb-99	50050	4.759	6.882	3.070	4.440
KS0080837	31-Mar-99	50050	4.061	6.371	2.620	4.110
KS0080837	30-Apr-99	50050	5.627	9.037	3.630	5.830
KS0080837	31-May-99	50050	5.766	8.634	3.720	5.570
KS0080837	30-Jun-99	50050	5.472	8.246	3.530	5.320
KS0080837	31-Jul-99	50050	3.658	8.231	2.360	5.310
KS0080837	31-Aug-99	50050	2.558	3.937	1.650	2.540
KS0080837	30-Sep-99	50050	2.496	4.185	1.610	2.700
KS0080837	31-Oct-99	50050	2.077	3.224	1.340	2.080
KS0080837	30-Nov-99	50050	1.953	3.224	1.260	2.080
KS0080837	31-Dec-99	50050	2.201	3.844	1.420	2.480
KS0080837	31-Jan-00	50050	1.674	2.790	1.080	1.800
KS0080837	29-Feb-00	50050	2.186	4.542	1.410	2.930
KS0080837	31-Mar-00	50050	5.363	9.982	3.460	6.440
KS0080837	30-Apr-00	50050	2.976	3.922	1.920	2.530
KS0080837	31-May-00	50050	2.325	4.170	1.500	2.690

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
KS0080837	30-Jun-00	50050	4.216	8.045	2.720	5.190
KS0080837	31-Jul-00	50050	3.798	4.852	2.450	3.130
KS0080837	31-Aug-00	50050	2.666	2.868	1.720	1.850
KS0080837	30-Sep-00	50050	2.341	3.209	1.510	2.070
KS0080837	31-Oct-00	50050	2.449	4.015	1.580	2.590
KS0080837	30-Nov-00	50050	2.217	3.550	1.430	2.290
KS0080837	31-Dec-00	50050	6.138	143.220	3.960	92.400
KS0080837	31-Jan-01	50050	2.635	10.354	1.700	6.680
KS0080837	28-Feb-01	50050	4.247	18.290	2.740	11.800
KS0080837	31-Mar-01	50050	5.363	6.836	3.460	4.410
KS0080837	30-Apr-01	50050	3.782	6.712	2.440	4.330
KS0080837	31-May-01	50050	2.930	4.309	1.890	2.780
KS0080837	30-Jun-01	50050	4.061	7.270	2.620	4.690
KS0080837	31-Jul-01	50050	3.193	4.914	2.060	3.170
KS0080837	31-Aug-01	50050	2.558	2.837	1.650	1.830
KS0080837	30-Sep-01	50050	2.775	7.998	1.790	5.160
KS0080837	31-Oct-01	50050	2.124	3.255	1.370	2.100
KS0080837	30-Nov-01	50050	2.139	2.883	1.380	1.860
KS0080837	31-Dec-01	50050	1.907	3.224	1.230	2.080
KS0080837	31-Jan-02	50050	1.612	3.674	1.040	2.370
KS0080837	28-Feb-02	50050	1.752	2.387	1.130	1.540
KS0080837	31-Mar-02	50050	1.829	2.666	1.180	1.720
KS0080837	30-Apr-02	50050	2.790	6.386	1.800	4.120
KS0080837	31-May-02	50050	6.665	10.153	4.300	6.550
KS0080837	30-Jun-02	50050	5.177	9.781	3.340	6.310
KS0080837	31-Jul-02	50050	2.806	6.541	1.810	4.220
KS0080837	31-Aug-02	50050	2.511	3.038	1.620	1.960
KS0080837	30-Sep-02	50050	2.403	4.340	1.550	2.800
KS0080837	31-Oct-02	50050	2.263	3.736	1.460	2.410
KS0080837	30-Nov-02	50050	2.201	5.503	1.420	3.550
KS0080837	31-Dec-02	50050	2.341	3.534	1.510	2.280
KS0080837	28-Feb-03	50050	1.632	3.813	1.053	2.460
KS0080837	31-Mar-03	50050	2.794	6.464	1.803	4.170
KS0080837	30-Apr-03	50050	3.479	5.968	2.245	3.850
KS0080837	31-May-03	50050	4.259	6.526	2.748	4.210
KS0080837	30-Jun-03	50050	4.438	6.479	2.863	4.180
KS0080837	31-Jul-03	50050	2.542	3.162	1.640	2.040
KS0080837	31-Aug-03	50050	2.376	4.821	1.533	3.110
KS0080837	30-Sep-03	50050	2.459	4.635	1.587	2.990
KS0080837	31-Oct-03	50050	1.938	3.271	1.251	2.110
KS0080837	30-Nov-03	50050	1.671	3.736	1.078	2.410
KS0080837	31-Dec-03	50050	2.421	3.410	1.562	2.200
KS0080837	31-Jan-04	50050	2.495	4.325	1.610	2.790
KS0080837	29-Feb-04	50050	2.738	3.658	1.767	2.360
KS0080837	31-Mar-04	50050	4.029	6.293	2.600	4.060
KS0080837	30-Apr-04	50050	4.298	6.727	2.773	4.340
KS0080837	31-May-04	50050	5.450	6.774	3.516	4.370
KS0080837	30-Jun-04	50050	4.098	6.975	2.644	4.500
KS0080837	31-Jul-04	50050	5.166	6.743	3.333	4.350
KS0080837	31-Aug-04	50050	2.463	3.348	1.589	2.160
KS0080837	30-Sep-04	50050	2.063	2.945	1.331	1.900
KS0080837	31-Oct-04	50050	2.282	3.891	1.472	2.510
KS0080837	30-Nov-04	50050	3.930	6.495	2.535	4.190
KS0080837	31-Dec-04	50050	3.443	4.960	2.221	3.200
KS0080837	31-Jan-05	50050	4.505	6.355	2.906	4.100
KS0080837	28-Feb-05	50050	3.656	4.697	2.359	3.030
KS0080837	31-Mar-05	50050	3.006	4.418	1.939	2.850
KS0080837	30-Apr-05	50050	2.270	2.775	1.465	1.790
KS0080837	31-May-05	50050	2.691	5.348	1.736	3.450
KS0080837	30-Jun-05	50050	4.709	7.642	3.038	4.930
KS0080837	31-Jul-05	50050	3.355	5.968	2.165	3.850
KS0080837	31-Aug-05	50050	3.360	7.688	2.168	4.960
KS0080837	30-Sep-05	50050	2.807	4.573	1.811	2.950
KS0080837	31-Oct-05	50050	1.798	2.418	1.160	1.560
KS0080837	30-Nov-05	50050	1.488	2.015	0.960	1.300
KS0080837	31-Dec-05	50050	1.386	2.666	0.894	1.720
MO0002348	31-Aug-02	50050	1.156	1.156	0.746	0.746
MO0002348	31-Mar-03	50050	0.775	0.775	0.500	0.500
MO0002348	30-Apr-03	50050	0.465	0.465	0.300	0.300
MO0002348	31-May-03	50050	3.100	3.100	2.000	2.000
MO0002348	30-Jun-03	50050	3.875	3.875	2.500	2.500
MO0002348	30-Sep-03	50050	1.054	1.054	0.680	0.680
MO0002348	30-Nov-03	50050	0.208	0.208	0.135	0.135

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002348	31-May-04	50050	3.627	3.627	2.340	2.340
MO0002348	31-Oct-04	50050	1.572	1.572	1.014	1.014
MO0002348	31-Jan-05	50050	1.572	1.572	1.014	1.014
MO0002348	30-Apr-05	50050	2.505	2.505	1.616	1.616
MO0002348	31-Jul-05	50050	20.755	20.755	13.390	13.390
MO0002348	31-Aug-05	50050	3.953	3.953	2.550	2.550
MO0002348	30-Sep-05	50050	2.034	2.034	1.312	1.312
MO0002348	31-Oct-05	50050	1.572	1.572	1.014	1.014
MO0002356	31-May-99	50050	0.056	0.056	0.036	0.036
MO0002356	31-Aug-99	50050	0.059	0.059	0.038	0.038
MO0002356	31-Aug-99	50050	105.400	105.400	68	68
MO0002356	31-Aug-99	50050	105.400	105.400	68	68
MO0002356	30-Sep-99	50050	0.057	0.057	0.037	0.037
MO0002356	31-Oct-99	50050	0.051	0.051	0.033	0.033
MO0002356	31-Oct-99	50050	0.102	0.102	0.066	0.066
MO0002356	31-Oct-99	50050	0.102	0.102	0.066	0.066
MO0002356	30-Nov-99	50050	0.051	0.051	0.033	0.033
MO0002356	30-Nov-99	50050	0.010	0.010	0.0065	0.0065
MO0002356	30-Nov-99	50050	0.101	0.101	0.065	0.065
MO0002356	31-Dec-99	50050	0.040	0.040	0.026	0.026
MO0002356	31-Dec-99	50050	0.082	0.082	0.053	0.053
MO0002356	31-Dec-99	50050	0.122	0.122	0.079	0.079
MO0002356	31-Jan-00	50050	0.050	0.050	0.032	0.032
MO0002356	31-Jan-00	50050	97.650	97.650	63	63
MO0002356	31-Jan-00	50050	97.650	97.650	63	63
MO0002356	29-Feb-00	50050	0.045	0.045	0.029	0.029
MO0002356	31-Mar-00	50050	0.037	0.037	0.024	0.024
MO0002356	31-Mar-00	50050	0.053	0.053	0.034	0.034
MO0002356	31-Mar-00	50050	0.081	0.081	0.052	0.052
MO0002356	30-Jun-00	50050	0.037	0.037	0.024	0.024
MO0002356	30-Jun-00	50050	102.300	102.300	66	66
MO0002356	30-Jun-00	50050	102.300	102.300	66	66
MO0002356	31-Jul-00	50050	0.098	0.098	0.063	0.063
MO0002356	31-Oct-00	50050	0.047	0.047	0.03	0.03
MO0002356	31-Oct-00	50050	0.047	0.047	0.03	0.03
MO0002356	30-Nov-00	50050	0.040	0.040	0.026	0.026
MO0002356	30-Nov-00	50050	97.650	97.650	63	63
MO0002356	31-Dec-00	50050	0.020	0.020	0.013	0.013
MO0002356	31-Dec-00	50050	0.034	0.034	0.022	0.022
MO0002356	31-Dec-00	50050	0.037	0.037	0.024	0.024
MO0002356	31-Dec-00	50050	94.550	94.550	61	61
MO0002356	31-Dec-00	50050	94.550	94.550	61	61
MO0002356	31-Jan-01	50050	0.042	0.042	0.027	0.027
MO0002356	31-Jan-01	50050	103.850	103.850	67	67
MO0002356	31-Jan-01	50050	103.850	103.850	67	67
MO0002356	28-Feb-01	50050	0.062	0.062	0.04	0.04
MO0002356	28-Feb-01	50050	100.750	100.750	65	65
MO0002356	28-Feb-01	50050	100.750	100.750	65	65
MO0002356	31-Mar-01	50050	0.014	0.014	0.009	0.009
MO0002356	31-Mar-01	50050	0.019	0.019	0.012	0.012
MO0002356	31-Mar-01	50050	0.047	0.047	0.03	0.03
MO0002356	31-Mar-01	50050	0.047	0.047	0.03	0.03
MO0002356	31-Mar-01	50050	0.047	0.047	0.03	0.03
MO0002356	30-Apr-01	50050	0.050	0.050	0.032	0.032
MO0002356	30-Apr-01	50050	6.200	6.200	4	4
MO0002356	30-Apr-01	50050	6.200	6.200	4	4
MO0002356	31-May-01	50050	0.053	0.053	0.034	0.034
MO0002356	31-May-01	50050	96.100	96.100	62	62
MO0002356	31-May-01	50050	96.100	96.100	62	62
MO0002356	30-Jun-01	50050	0.042	0.042	0.027	0.027
MO0002356	30-Jun-01	50050	0.054	0.054	0.035	0.035
MO0002356	30-Jun-01	50050	0.076	0.076	0.049	0.049
MO0002356	30-Jun-01	50050	94.550	94.550	61	61
MO0002356	30-Jun-01	50050	94.550	94.550	61	61
MO0002356	31-Jul-01	50050	0.054	0.054	0.035	0.035
MO0002356	31-Jul-01	50050	89.900	89.900	58	58
MO0002356	31-Jul-01	50050	89.900	89.900	58	58
MO0002356	31-Aug-01	50050	0.051	0.051	0.033	0.033
MO0002356	31-Aug-01	50050	93.000	93.000	60	60
MO0002356	31-Aug-01	50050	93.000	93.000	60	60
MO0002356	30-Sep-01	50050	4.433	6.355	2.86	4.1
MO0002356	30-Sep-01	50050	4.433	6.355	2.86	4.1

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002356	30-Sep-01	50050	4.433	6.355	2.86	4.1
MO0002356	31-Oct-01	50050	1.319	1.319	0.851	0.851
MO0002356	31-Oct-01	50050	94.550	94.550	61	61
MO0002356	31-Oct-01	50050	94.550	94.550	61	61
MO0002356	30-Nov-01	50050	1.207	1.207	0.779	0.779
MO0002356	30-Nov-01	50050	147.250	147.250	95	95
MO0002356	30-Nov-01	50050	147.250	147.250	95	95
MO0002356	31-Dec-01	50050	0.070	0.070	0.045	0.045
MO0002356	31-Dec-01	50050	1.248	1.248	0.805	0.805
MO0002356	31-Dec-01	50050	1.248	1.248	0.805	0.805
MO0002356	31-Dec-01	50050	1.248	1.248	0.805	0.805
MO0002356	31-Jan-02	50050	1.133	1.133	0.731	0.731
MO0002356	28-Feb-02	50050	1.113	1.113	0.718	0.718
MO0002356	28-Feb-02	50050	147.250	147.250	95	95
MO0002356	28-Feb-02	50050	147.250	147.250	95	95
MO0002356	31-Mar-02	50050	0.054	0.054	0.035	0.035
MO0002356	31-Mar-02	50050	1.054	1.054	0.68	0.68
MO0002356	31-Mar-02	50050	1.153	1.153	0.744	0.744
MO0002356	31-Mar-02	50050	147.250	147.250	95	95
MO0002356	31-Mar-02	50050	147.250	147.250	95	95
MO0002356	30-Apr-02	50050	0.042	0.042	0.027	0.027
MO0002356	30-Apr-02	50050	102.145	102.145	65.9	65.9
MO0002356	30-Apr-02	50050	102.145	102.145	65.9	65.9
MO0002356	31-May-02	50050	0.042	0.042	0.027	0.027
MO0002356	31-May-02	50050	102.145	102.145	65.9	65.9
MO0002356	31-May-02	50050	102.145	102.145	65.9	65.9
MO0002356	30-Jun-02	50050	0.034	0.034	0.022	0.022
MO0002356	30-Jun-02	50050	0.040	0.040	0.026	0.026
MO0002356	30-Jun-02	50050	0.068	0.068	0.044	0.044
MO0002356	30-Jun-02	50050	97.185	97.185	62.7	62.7
MO0002356	30-Jun-02	50050	97.185	97.185	62.7	62.7
MO0002356	31-Jul-02	50050	0.042	0.042	0.027	0.027
MO0002356	31-Jul-02	50050	97.185	97.185	62.7	62.7
MO0002356	31-Jul-02	50050	97.185	97.185	62.7	62.7
MO0002356	31-Aug-02	50050	0.043	0.043	0.028	0.028
MO0002356	31-Aug-02	50050	74.090	74.090	47.8	47.8
MO0002356	31-Aug-02	50050	74.090	74.090	47.8	47.8
MO0002356	30-Sep-02	50050	0.011	0.011	0.007	0.007
MO0002356	30-Sep-02	50050	0.016	0.016	0.01	0.01
MO0002356	30-Sep-02	50050	0.045	0.045	0.029	0.029
MO0002356	30-Sep-02	50050	93.155	93.155	60.1	60.1
MO0002356	30-Sep-02	50050	93.155	93.155	60.1	60.1
MO0002356	31-Oct-02	50050	4.387	6.200	2.83	4
MO0002356	31-Oct-02	50050	4.387	6.200	2.83	4
MO0002356	31-Oct-02	50050	4.387	6.200	2.83	4
MO0002356	30-Nov-02	50050	0.029	0.029	0.019	0.019
MO0002356	30-Nov-02	50050	93.155	93.155	60.1	60.1
MO0002356	30-Nov-02	50050	93.155	93.155	60.1	60.1
MO0002356	31-Dec-02	50050	0.042	0.042	0.027	0.027
MO0002356	31-Dec-02	50050	0.060	0.060	0.039	0.039
MO0002356	31-Dec-02	50050	76.105	76.105	49.1	49.1
MO0002356	31-Dec-02	50050	76.105	76.105	49.1	49.1
MO0002356	31-Jan-03	50050	0.050	0.050	0.032	0.032
MO0002356	31-Jan-03	50050	68.045	68.045	43.9	43.9
MO0002356	31-Jan-03	50050	68.045	68.045	43.9	43.9
MO0002356	28-Feb-03	50050	0.033	0.033	0.021	0.021
MO0002356	28-Feb-03	50050	68.045	68.045	43.9	43.9
MO0002356	28-Feb-03	50050	68.045	68.045	43.9	43.9
MO0002356	31-Mar-03	50050	0.040	0.040	0.026	0.026
MO0002356	31-Mar-03	50050	0.059	0.059	0.038	0.038
MO0002356	31-Mar-03	50050	0.060	0.060	0.039	0.039
MO0002356	31-Mar-03	50050	74.090	74.090	47.8	47.8
MO0002356	31-Mar-03	50050	74.090	74.090	47.8	47.8
MO0002356	30-Apr-03	50050	0.056	0.056	0.036	0.036
MO0002356	30-Apr-03	50050	89.125	89.125	57.5	57.5
MO0002356	30-Apr-03	50050	89.125	89.125	57.5	57.5
MO0002356	31-May-03	50050	0.037	0.037	0.024	0.024
MO0002356	31-May-03	50050	84.165	84.165	54.3	54.3
MO0002356	31-May-03	50050	84.165	84.165	54.3	54.3
MO0002356	30-Jun-03	50050	0.039	0.039	0.025	0.025
MO0002356	30-Jun-03	50050	0.093	0.093	0.06	0.06
MO0002356	30-Jun-03	50050	0.127	0.127	0.082	0.082
MO0002356	30-Jun-03	50050	73.160	73.160	47.2	47.2

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002356	30-Jun-03	50050	73.160	73.160	47.2	47.2
MO0002356	31-Jul-03	50050	0.040	0.040	0.026	0.026
MO0002356	31-Jul-03	50050	73.160	73.160	47.2	47.2
MO0002356	31-Jul-03	50050	73.160	73.160	47.2	47.2
MO0002356	31-Aug-03	50050	0.045	0.045	0.029	0.029
MO0002356	31-Aug-03	50050	65.100	65.100	42	42
MO0002356	31-Aug-03	50050	65.100	65.100	42	42
MO0002356	30-Sep-03	50050	0.031	0.031	0.02	0.02
MO0002356	30-Sep-03	50050	0.074	0.074	0.048	0.048
MO0002356	30-Sep-03	50050	0.081	0.081	0.052	0.052
MO0002356	30-Sep-03	50050	87.110	87.110	56.2	56.2
MO0002356	30-Sep-03	50050	87.110	87.110	56.2	56.2
MO0002356	31-Oct-03	50050	0.040	0.040	0.026	0.026
MO0002356	31-Oct-03	50050	78.120	78.120	50.4	50.4
MO0002356	31-Oct-03	50050	78.120	78.120	50.4	50.4
MO0002356	30-Nov-03	50050	0.000	0.000		
MO0002356	30-Nov-03	50050	0.031	0.031	0.02	0.02
MO0002356	30-Nov-03	50050	88.195	88.195	56.9	56.9
MO0002356	30-Nov-03	50050	88.195	88.195	56.9	56.9
MO0002356	31-Dec-03	50050	0.028	0.028	0.018	0.018
MO0002356	31-Dec-03	50050	0.064	0.064	0.041	0.041
MO0002356	31-Dec-03	50050	0.088	0.088	0.057	0.057
MO0002356	31-Dec-03	50050	92.225	92.225	59.5	59.5
MO0002356	31-Dec-03	50050	92.225	92.225	59.5	59.5
MO0002356	31-Jan-04	50050	0.031	0.031	0.02	0.02
MO0002356	31-Jan-04	50050	99.200	99.200	64	64
MO0002356	31-Jan-04	50050	99.200	99.200	64	64
MO0002356	29-Feb-04	50050	0.028	0.028	0.018	0.018
MO0002356	29-Feb-04	50050	85.095	85.095	54.9	54.9
MO0002356	29-Feb-04	50050	85.095	85.095	54.9	54.9
MO0002356	31-Mar-04	50050	0.028	0.028	0.018	0.018
MO0002356	31-Mar-04	50050	0.037	0.037	0.024	0.024
MO0002356	31-Mar-04	50050	0.056	0.056	0.036	0.036
MO0002356	31-Mar-04	50050	100.130	100.130	64.6	64.6
MO0002356	31-Mar-04	50050	100.130	100.130	64.6	64.6
MO0002356	30-Apr-04	50050	0.036	0.036	0.023	0.023
MO0002356	30-Apr-04	50050	102.145	102.145	65.9	65.9
MO0002356	30-Apr-04	50050	102.145	102.145	65.9	65.9
MO0002356	31-May-04	50050	0.042	0.042	0.027	0.027
MO0002356	31-May-04	50050	102.145	102.145	65.9	65.9
MO0002356	31-May-04	50050	102.145	102.145	65.9	65.9
MO0002356	30-Jun-04	50050	0.033	0.033	0.021	0.021
MO0002356	30-Jun-04	50050	0.076	0.076	0.049	0.049
MO0002356	30-Jun-04	50050	0.093	0.093	0.06	0.06
MO0002356	30-Jun-04	50050	75.175	75.175	48.5	48.5
MO0002356	31-Jul-04	50050	0.031	0.031	0.02	0.02
MO0002356	31-Jul-04	50050	44.020	44.020	28.4	28.4
MO0002356	31-Jul-04	50050	44.020	44.020	28.4	28.4
MO0002356	31-Aug-04	50050	0.025	0.025	0.016	0.016
MO0002356	31-Aug-04	50050	40.145	40.145	25.9	25.9
MO0002356	31-Aug-04	50050	40.145	40.145	25.9	25.9
MO0002356	30-Sep-04	50050	0.002	0.002	0.001	0.001
MO0002356	30-Sep-04	50050	0.012	0.012	0.008	0.008
MO0002356	30-Sep-04	50050	0.026	0.026	0.017	0.017
MO0002356	30-Sep-04	50050	49.135	49.135	31.7	31.7
MO0002356	30-Sep-04	50050	49.135	49.135	31.7	31.7
MO0002356	31-Oct-04	50050	0.037	0.042	0.024	0.027
MO0002356	31-Oct-04	50050	49.135	49.135	31.7	31.7
MO0002356	31-Oct-04	50050	49.135	49.135	31.7	31.7
MO0002356	30-Nov-04	50050	0.037	0.037	0.024	0.024
MO0002356	30-Nov-04	50050	82.150	82.150	53	53
MO0002356	30-Nov-04	50050	82.150	82.150	53	53
MO0002356	31-Dec-04	50050	0.025	0.025	0.016	0.016
MO0002356	31-Dec-04	50050	0.033	0.033	0.021	0.021
MO0002356	31-Dec-04	50050	0.037	0.037	0.024	0.024
MO0002356	31-Dec-04	50050	98.115	98.115	63.3	63.3
MO0002356	31-Dec-04	50050	98.115	98.115	63.3	63.3
MO0002356	31-Jan-05	50050	0.036	0.036	0.023	0.023
MO0002356	31-Jan-05	50050	0.122	0.122	0.079	0.079
MO0002356	31-Jan-05	50050	100.130	100.130	64.6	64.6
MO0002356	31-Jan-05	50050	100.130	100.130	64.6	64.6
MO0002356	28-Feb-05	50050	0.040	0.040	0.026	0.026
MO0002356	28-Feb-05	50050	101.215	101.215	65.3	65.3

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002356	28-Feb-05	50050	101.215	101.215	65.3	65.3
MO0002356	31-Mar-05	50050	0.023	0.023	0.015	0.015
MO0002356	31-Mar-05	50050	0.028	0.028	0.018	0.018
MO0002356	31-Mar-05	50050	0.040	0.040	0.026	0.026
MO0002356	31-Mar-05	50050	74.090	74.090	47.8	47.8
MO0002356	31-Mar-05	50050	74.090	74.090	47.8	47.8
MO0002356	30-Apr-05	50050	0.028	0.028	0.018	0.018
MO0002356	30-Apr-05	50050	50.065	50.065	32.3	32.3
MO0002356	30-Apr-05	50050	50.065	50.065	32.3	32.3
MO0002356	31-May-05	50050	0.043	0.043	0.028	0.028
MO0002356	31-May-05	50050	41.075	41.075	26.5	26.5
MO0002356	31-May-05	50050	41.075	41.075	26.5	26.5
MO0002356	30-Jun-05	50050	0.036	0.036	0.023	0.023
MO0002356	30-Jun-05	50050	0.043	0.043	0.028	0.028
MO0002356	30-Jun-05	50050	0.047	0.047	0.03	0.03
MO0002356	30-Jun-05	50050	53.165	53.165	34.3	34.3
MO0002356	30-Jun-05	50050	53.165	53.165	34.3	34.3
MO0002356	31-Jul-05	50050	0.048	0.048	0.031	0.031
MO0002356	31-Jul-05	50050	49.135	49.135	31.7	31.7
MO0002356	31-Jul-05	50050	49.135	49.135	31.7	31.7
MO0002356	31-Aug-05	50050	0.048	0.048	0.031	0.031
MO0002356	31-Aug-05	50050	49.135	49.135	31.7	31.7
MO0002356	31-Aug-05	50050	49.135	49.135	31.7	31.7
MO0002356	30-Sep-05	50050	0.039	0.039	0.025	0.025
MO0002356	30-Sep-05	50050	0.050	0.050	0.032	0.032
MO0002356	30-Sep-05	50050	0.073	0.073	0.047	0.047
MO0002356	30-Sep-05	50050	44.020	44.020	28.4	28.4
MO0002356	30-Sep-05	50050	44.020	44.020	28.4	28.4
MO0002356	31-Oct-05	50050	0.040	0.040	0.026	0.026
MO0002356	31-Oct-05	50050	45.105	45.105	29.1	29.1
MO0002356	31-Oct-05	50050	45.105	45.105	29.1	29.1
MO0002356	30-Nov-05	50050	0.037	0.037	0.024	0.024
MO0002356	30-Nov-05	50050	45.105	45.105	29.1	29.1
MO0002356	30-Nov-05	50050	45.105	45.105	29.1	29.1
MO0002356	31-Dec-05	50050	0.008	0.008	0.005	0.005
MO0002356	31-Dec-05	50050	0.011	0.011	0.007	0.007
MO0002356	31-Dec-05	50050	3.503	3.875	2.26	2.5
MO0002356	31-Dec-05	50050	58.125	58.125	37.5	37.5
MO0002356	31-Dec-05	50050	58.125	58.125	37.5	37.5
MO0002402	30-Jun-99	50050	0.023	0.097	0.015	0.063
MO0002402	30-Jun-99	50050	0.241	0.774	0.156	0.499
MO0002402	30-Jun-99	50050	0.687	2.010	0.443	1.297
MO0002402	31-Jul-99	50050	0.018	0.048	0.011	0.031
MO0002402	31-Jul-99	50050	0.187	0.285	0.121	0.184
MO0002402	31-Jul-99	50050	0.607	1.464	0.392	0.945
MO0002402	31-Aug-99	50050	0.004	0.004	0.003	0.003
MO0002402	31-Aug-99	50050	0.009	0.009	0.006	0.006
MO0002402	31-Aug-99	50050	0.017	0.031	0.011	0.020
MO0002402	31-Aug-99	50050	0.114	0.441	0.074	0.285
MO0002402	31-Aug-99	50050	0.146	0.227	0.094	0.146
MO0002402	30-Sep-99	50050	0.014	0.059	0.009	0.038
MO0002402	30-Sep-99	50050	0.101	0.230	0.065	0.148
MO0002402	30-Sep-99	50050	0.186	0.248	0.120	0.160
MO0002402	31-Oct-99	50050	0.020	0.061	0.013	0.040
MO0002402	31-Oct-99	50050	0.040	0.152	0.026	0.098
MO0002402	31-Oct-99	50050	0.160	0.232	0.103	0.150
MO0002402	30-Nov-99	50050	0.007	0.007	0.004	0.004
MO0002402	30-Nov-99	50050	0.016	0.217	0.010	0.140
MO0002402	30-Nov-99	50050	0.017	0.051	0.011	0.033
MO0002402	30-Nov-99	50050	0.129	0.214	0.083	0.138
MO0002402	31-Dec-99	50050	0.012	0.052	0.008	0.034
MO0002402	31-Dec-99	50050	0.513	2.019	0.331	1.303
MO0002402	31-Jan-00	50050	0.002	0.018	0.002	0.012
MO0002402	31-Jan-00	50050	0.119	0.200	0.077	0.129
MO0002402	31-Jan-00	50050	3.514	0.258	2.267	0.166
MO0002402	29-Feb-00	50050	10.385	15.655	6.700	10.100
MO0002402	29-Feb-00	50050	0.004	0.004	0.003	0.003
MO0002402	29-Feb-00	50050	0.011	0.011	0.007	0.007
MO0002402	29-Feb-00	50050	0.141	0.228	0.091	0.147
MO0002402	29-Feb-00	50050	0.160	0.661	0.103	0.426
MO0002402	29-Feb-00	50050	11.005	19.065	7.100	12.300
MO0002402	31-Mar-00	50050	318.060	318.060	205.200	205.200
MO0002402	31-Mar-00	50050	220.720	266.600	142.400	172.000

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002402	31-Mar-00	50050	6.510	12.400	4.200	8.000
MO0002402	31-Mar-00	50050	150.195	175.150	96.900	113.000
MO0002402	31-May-00	50050	0.056	0.056	0.036	0.036
MO0002402	31-May-00	50050	0.112	0.112	0.072	0.072
MO0002402	31-May-00	50050	3.410	14.570	2.200	9.400
MO0002402	31-May-00	50050	519.250	1526.750	335.000	985.000
MO0002402	31-May-00	50050	148.645	181.350	95.900	117.000
MO0002402	30-Jun-00	50050	487.320	487.320	314.400	314.400
MO0002402	31-Aug-00	50050	175.925	313.100	113.500	202.000
MO0002402	30-Sep-00	50050	112.375	175.925	72.500	113.500
MO0002402	30-Nov-00	50050	3.875	9.300	2.500	6.000
MO0002402	31-Dec-00	50050	0.465	1.860	0.300	1.200
MO0002402	31-Dec-00	50050	4.960	11.935	3.200	7.700
MO0002402	31-Dec-00	50050	97.805	114.080	63.100	73.600
MO0002402	31-Jan-01	50050	0.008	0.018	0.005	0.011
MO0002402	31-Jan-01	50050	0.193	0.220	0.125	0.142
MO0002402	31-Jan-01	50050	0.285	0.846	0.184	0.546
MO0002402	28-Feb-01	50050	0.208	0.248	0.134	0.160
MO0002402	28-Feb-01	50050	0.998	1.745	0.644	1.126
MO0002402	28-Feb-01	50050	3.100	3.100	2.000	2.000
MO0002402	28-Feb-01	50050	11.641	13.082	7.510	8.440
MO0002402	31-Mar-01	50050	0.022	0.054	0.014	0.035
MO0002402	31-Mar-01	50050	0.101	0.159	0.065	0.102
MO0002402	31-Mar-01	50050	0.408	0.795	0.263	0.513
MO0002402	30-Apr-01	50050	240.250	313.410	155.000	202.200
MO0002402	30-Apr-01	50050	0.008	0.014	0.005	0.009
MO0002402	30-Apr-01	50050	0.083	0.117	0.053	0.076
MO0002402	30-Apr-01	50050	0.476	0.998	0.307	0.644
MO0002402	31-May-01	50050	0.007	0.007	0.004	0.004
MO0002402	31-May-01	50050	0.014	0.014	0.009	0.009
MO0002402	31-May-01	50050	0.015	0.342	0.010	0.220
MO0002402	31-May-01	50050	0.097	1.348	0.063	0.870
MO0002402	31-May-01	50050	0.105	0.270	0.068	0.174
MO0002402	30-Jun-01	50050	0.012	0.020	0.008	0.013
MO0002402	30-Jun-01	50050	0.103	0.138	0.066	0.089
MO0002402	30-Jun-01	50050	0.301	0.660	0.194	0.426
MO0002402	31-Jul-01	50050	141.980	169.880	91.600	109.600
MO0002402	31-Jul-01	50050	0.008	0.013	0.005	0.009
MO0002402	31-Jul-01	50050	0.016	0.008	0.010	0.005
MO0002402	31-Jul-01	50050	0.084	0.089	0.055	0.058
MO0002402	31-Aug-01	50050	0.016	0.020	0.010	0.013
MO0002402	31-Aug-01	50050	0.093	0.175	0.060	0.113
MO0002402	30-Sep-01	50050	98.580	119.815	63.600	77.300
MO0002402	30-Sep-01	50050	0.009	0.018	0.006	0.012
MO0002402	30-Sep-01	50050	0.016	0.022	0.010	0.014
MO0002402	30-Sep-01	50050	0.130	0.335	0.084	0.216
MO0002402	31-Oct-01	50050	181.660	393.700	117.200	254.000
MO0002402	31-Oct-01	50050	0.013	0.024	0.009	0.016
MO0002402	31-Oct-01	50050	0.335	1.234	0.216	0.796
MO0002402	31-Oct-01	50050	130.820	139.345	84.400	89.900
MO0002402	30-Nov-01	50050	0.109	0.254	0.070	0.164
MO0002402	30-Nov-01	50050	0.206	0.225	0.133	0.145
MO0002402	30-Nov-01	50050	5.890	10.230	3.800	6.600
MO0002402	31-Dec-01	50050	255.905	628.835	165.100	405.700
MO0002402	31-Dec-01	50050	0.163	0.192	0.105	0.124
MO0002402	31-Dec-01	50050	0.233	0.721	0.150	0.465
MO0002402	31-Dec-01	50050	10.075	15.190	6.500	9.800
MO0002402	31-Jan-02	50050	0.078	0.209	0.050	0.135
MO0002402	31-Jan-02	50050	0.146	0.200	0.094	0.129
MO0002402	31-Jan-02	50050	6.200	9.610	4.000	6.200
MO0002402	28-Feb-02	50050	297.445	1005.485	191.900	648.700
MO0002402	28-Feb-02	50050	0.013	0.017	0.009	0.011
MO0002402	28-Feb-02	50050	0.089	0.186	0.058	0.120
MO0002402	28-Feb-02	50050	0.357	0.775	0.230	0.500
MO0002402	28-Feb-02	50050	3.100	3.100	2.000	2.000
MO0002402	28-Feb-02	50050	7.750	7.750	5.000	5.000
MO0002402	31-Mar-02	50050	281.480	336.815	181.600	217.300
MO0002402	31-Mar-02	50050	0.014	0.019	0.009	0.013
MO0002402	31-Mar-02	50050	0.206	0.232	0.133	0.150
MO0002402	31-Mar-02	50050	0.326	0.574	0.210	0.370
MO0002402	30-Apr-02	50050	0.223	0.262	0.144	0.169
MO0002402	30-Apr-02	50050	0.465	1.093	0.300	0.705
MO0002402	30-Apr-02	50050	7.285	10.850	4.700	7.000

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002402	31-May-02	50050	793.600	1687.950	512.000	1089.000
MO0002402	31-May-02	50050	0.236	0.384	0.153	0.248
MO0002402	31-May-02	50050	3.457	7.022	2.230	4.530
MO0002402	31-May-02	50050	46.500	46.500	30.000	30.000
MO0002402	31-May-02	50050	9.300	9.300	6.000	6.000
MO0002402	31-May-02	50050	10.540	27.280	6.800	17.600
MO0002402	31-May-02	50050	93.000	93.000	60.000	60.000
MO0002402	30-Jun-02	50050	610.700	1227.600	394.000	792.000
MO0002402	30-Jun-02	50050	611.320	1227.600	394.400	792.000
MO0002402	30-Jun-02	50050	0.014	0.027	0.009	0.017
MO0002402	30-Jun-02	50050	0.219	0.283	0.142	0.183
MO0002402	30-Jun-02	50050	1.349	3.125	0.870	2.016
MO0002402	31-Jul-02	50050	195.300	437.100	126.000	282.000
MO0002402	31-Jul-02	50050	195.300	195.300	126.000	126.000
MO0002402	31-Jul-02	50050	0.010	0.015	0.007	0.010
MO0002402	31-Jul-02	50050	0.078	0.202	0.050	0.130
MO0002402	31-Jul-02	50050	0.231	0.270	0.149	0.174
MO0002402	31-Aug-02	50050	138.880	175.925	89.600	113.500
MO0002402	31-Aug-02	50050	138.880	175.925	89.600	113.500
MO0002402	31-Aug-02	50050	0.001	0.001	0.001	0.001
MO0002402	31-Aug-02	50050	0.031	0.050	0.020	0.032
MO0002402	31-Aug-02	50050	0.184	0.268	0.119	0.173
MO0002402	31-Aug-02	50050	8.835	18.290	5.700	11.800
MO0002402	30-Sep-02	50050	119.970	141.205	77.400	91.100
MO0002402	30-Sep-02	50050	119.970	141.205	77.400	91.100
MO0002402	30-Sep-02	50050	0.183	0.301	0.118	0.194
MO0002402	30-Sep-02	50050	0.308	3.080	0.199	1.987
MO0002402	30-Sep-02	50050	6.820	11.625	4.400	7.500
MO0002402	31-Oct-02	50050	0.008	0.008	0.005	0.005
MO0002402	31-Oct-02	50050	0.256	0.318	0.165	0.205
MO0002402	31-Oct-02	50050	8.680	18.135	5.600	11.700
MO0002402	30-Nov-02	50050	104.470	119.877	67.400	77.340
MO0002402	30-Nov-02	50050	104.470	119.877	67.400	77.340
MO0002402	30-Nov-02	50050	0.004	0.007	0.003	0.004
MO0002402	30-Nov-02	50050	0.005	0.008	0.003	0.005
MO0002402	30-Nov-02	50050	0.328	0.384	0.212	0.248
MO0002402	31-Dec-02	50050	93.775	119.815	60.500	77.300
MO0002402	31-Dec-02	50050	60.540	77.400	39.058	49.936
MO0002402	31-Dec-02	50050	180.265	223.200	116.300	144.000
MO0002402	31-Dec-02	50050	4.805	4.960	3.100	3.200
MO0002402	31-Jan-03	50050	71.018	85.930	45.818	55.439
MO0002402	31-Jan-03	50050	71.018	85.930	45.818	55.439
MO0002402	31-Jan-03	50050	0.034	0.034	0.022	0.022
MO0002402	31-Jan-03	50050	0.233	0.279	0.150	0.180
MO0002402	28-Feb-03	50050	120.745	181.970	77.900	117.400
MO0002402	28-Feb-03	50050	120.745	181.970	77.900	117.400
MO0002402	28-Feb-03	50050	0.002	0.002	0.001	0.001
MO0002402	28-Feb-03	50050	0.003	0.003	0.002	0.002
MO0002402	28-Feb-03	50050	0.018	0.018	0.012	0.012
MO0002402	28-Feb-03	50050	0.121	0.121	0.078	0.078
MO0002402	28-Feb-03	50050	0.190	0.206	0.123	0.133
MO0002402	31-Mar-03	50050	207.700	385.795	134.000	248.900
MO0002402	31-Mar-03	50050	209.250	385.795	135.000	248.900
MO0002402	31-Mar-03	50050	0.010	0.010	0.007	0.007
MO0002402	31-Mar-03	50050	0.176	0.326	0.114	0.210
MO0002402	31-Mar-03	50050	0.448	1.070	0.289	0.690
MO0002402	30-Apr-03	50050	204.755	240.560	132.100	155.200
MO0002402	30-Apr-03	50050	204.755	240.560	132.100	155.200
MO0002402	30-Apr-03	50050	0.007	0.007	0.004	0.005
MO0002402	30-Apr-03	50050	0.287	0.341	0.185	0.220
MO0002402	30-Apr-03	50050	0.308	0.332	0.199	0.214
MO0002402	31-May-03	50050	158.350	249.209	102.161	160.780
MO0002402	31-May-03	50050	158.350	249.209	102.161	160.780
MO0002402	31-May-03	50050	0.005	0.010	0.003	0.006
MO0002402	31-May-03	50050	0.163	0.219	0.105	0.141
MO0002402	31-May-03	50050	0.477	0.787	0.308	0.508
MO0002402	31-May-03	50050	2232.000	2232.000	1440.000	1440.000
MO0002402	31-May-03	50050	1116.000	1116.000	720.000	720.000
MO0002402	30-Jun-03	50050	179.645	207.080	115.900	133.600
MO0002402	30-Jun-03	50050	179.645	207.080	115.900	133.600
MO0002402	30-Jun-03	50050	0.010	0.033	0.006	0.021
MO0002402	30-Jun-03	50050	0.122	0.136	0.079	0.088
MO0002402	30-Jun-03	50050	0.205	0.225	0.132	0.145

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002402	31-Jul-03	50050	136.710	191.270	88.200	123.400
MO0002402	31-Jul-03	50050	136.710	191.270	88.200	123.400
MO0002402	31-Jul-03	50050	0.004	0.009	0.003	0.006
MO0002402	31-Jul-03	50050	0.194	0.543	0.125	0.350
MO0002402	31-Jul-03	50050	0.214	0.271	0.138	0.175
MO0002402	31-Aug-03	50050	77.438	77.438	49.960	49.960
MO0002402	31-Aug-03	50050	77.438	77.438	49.960	49.960
MO0002402	31-Aug-03	50050	0.003	0.008	0.002	0.005
MO0002402	31-Aug-03	50050	0.004	0.004	0.003	0.003
MO0002402	31-Aug-03	50050	0.022	0.022	0.014	0.014
MO0002402	31-Aug-03	50050	0.073	0.107	0.047	0.069
MO0002402	31-Aug-03	50050	0.248	0.326	0.160	0.210
MO0002402	30-Sep-03	50050	32.085	53.475	20.700	34.500
MO0002402	30-Sep-03	50050	32.085	53.475	20.700	34.500
MO0002402	30-Sep-03	50050	0.002	0.004	0.002	0.002
MO0002402	30-Sep-03	50050	0.130	0.194	0.084	0.125
MO0002402	30-Sep-03	50050	0.225	0.281	0.145	0.181
MO0002402	31-Oct-03	50050	26.815	26.815	17.300	17.300
MO0002402	31-Oct-03	50050	0.003	0.006	0.002	0.004
MO0002402	31-Oct-03	50050	0.090	0.112	0.058	0.072
MO0002402	31-Oct-03	50050	0.221	0.243	0.143	0.157
MO0002402	30-Nov-03	50050	27.435	29.450	17.700	19.000
MO0002402	30-Nov-03	50050	27.435	29.450	17.700	19.000
MO0002402	30-Nov-03	50050	0.004	0.004	0.003	0.003
MO0002402	30-Nov-03	50050	0.008	0.026	0.005	0.017
MO0002402	30-Nov-03	50050	0.018	0.018	0.012	0.012
MO0002402	30-Nov-03	50050	0.150	0.150	0.097	0.097
MO0002402	30-Nov-03	50050	0.191	0.412	0.123	0.266
MO0002402	30-Nov-03	50050	0.274	0.341	0.177	0.220
MO0002402	31-Dec-03	50050	40.300	73.160	26.000	47.200
MO0002402	31-Dec-03	50050	40.300	73.160	26.000	47.200
MO0002402	31-Dec-03	50050	0.003	0.006	0.002	0.004
MO0002402	31-Dec-03	50050	0.205	0.299	0.132	0.193
MO0002402	31-Dec-03	50050	0.970	1.829	0.626	1.180
MO0002402	31-Jan-04	50050	276.675	578.305	178.500	373.100
MO0002402	31-Jan-04	50050	276.675	578.305	178.500	373.100
MO0002402	31-Jan-04	50050	0.006	0.009	0.004	0.006
MO0002402	31-Jan-04	50050	0.257	0.338	0.166	0.218
MO0002402	31-Jan-04	50050	1.021	1.468	0.659	0.947
MO0002402	29-Feb-04	50050	118.037	133.774	76.153	86.306
MO0002402	29-Feb-04	50050	118.037	133.774	76.153	86.306
MO0002402	29-Feb-04	50050	0.009	0.013	0.006	0.009
MO0002402	29-Feb-04	50050	0.293	0.348	0.189	0.225
MO0002402	29-Feb-04	50050	0.536	0.722	0.346	0.466
MO0002402	31-Mar-04	50050	316.665	999.285	204.300	644.700
MO0002402	31-Mar-04	50050	316.665	999.285	204.300	644.700
MO0002402	31-Mar-04	50050	0.011	0.011	0.007	0.007
MO0002402	31-Mar-04	50050	0.174	0.277	0.112	0.179
MO0002402	31-Mar-04	50050	1.548	2.823	0.999	1.821
MO0002402	30-Apr-04	50050	269.235	482.515	173.700	311.300
MO0002402	30-Apr-04	50050	269.235	482.515	173.700	311.300
MO0002402	30-Apr-04	50050	0.010	0.011	0.007	0.007
MO0002402	30-Apr-04	50050	0.935	1.349	0.603	0.870
MO0002402	30-Apr-04	50050	217.465	252.650	140.300	163.000
MO0002402	31-May-04	50050	356.190	848.470	229.800	547.400
MO0002402	31-May-04	50050	356.190	848.470	229.800	547.400
MO0002402	31-May-04	50050	0.002	0.002	0.001	0.001
MO0002402	31-May-04	50050	0.003	0.003	0.002	0.002
MO0002402	31-May-04	50050	0.007	0.007	0.004	0.004
MO0002402	31-May-04	50050	0.013	0.016	0.008	0.010
MO0002402	31-May-04	50050	0.143	0.271	0.092	0.175
MO0002402	31-May-04	50050	0.144	0.272	0.093	0.176
MO0002402	30-Jun-04	50050	105.865	313.410	68.300	202.200
MO0002402	30-Jun-04	50050	105.865	313.410	68.300	202.200
MO0002402	30-Jun-04	50050	0.166	0.281	0.107	0.181
MO0002402	30-Jun-04	50050	0.357	0.837	0.230	0.540
MO0002402	30-Jun-04	50050	2.635	6.665	1.700	4.300
MO0002402	31-Jul-04	50050	68.200	146.785	44.000	94.700
MO0002402	31-Jul-04	50050	68.200	146.785	44.000	94.700
MO0002402	31-Jul-04	50050	0.002	0.009	0.001	0.006
MO0002402	31-Jul-04	50050	0.184	0.248	0.119	0.160
MO0002402	31-Jul-04	50050	0.703	1.099	0.453	0.709
MO0002402	31-Aug-04	50050	0.128	0.217	0.083	0.140

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002402	31-Aug-04	50050	64.480	175.150	41.600	113.000
MO0002402	30-Sep-04	50050	26.040	26.815	16.800	17.300
MO0002402	30-Sep-04	50050	26.040	26.815	16.800	17.300
MO0002402	30-Sep-04	50050	0.014	0.032	0.009	0.021
MO0002402	30-Sep-04	50050	0.225	0.318	0.145	0.205
MO0002402	31-Oct-04	50050	22.475	24.025	14.500	15.500
MO0002402	31-Oct-04	50050	22.940	24.025	14.800	15.500
MO0002402	31-Oct-04	50050	0.006	0.011	0.004	0.007
MO0002402	31-Oct-04	50050	0.141	0.166	0.091	0.107
MO0002402	30-Nov-04	50050	67.425	275.900	43.500	178.000
MO0002402	30-Nov-04	50050	67.425	275.900	43.500	178.000
MO0002402	30-Nov-04	50050	0.009	0.019	0.006	0.012
MO0002402	30-Nov-04	50050	0.011	0.011	0.007	0.007
MO0002402	30-Nov-04	50050	0.045	0.045	0.029	0.029
MO0002402	30-Nov-04	50050	0.160	0.191	0.103	0.123
MO0002402	30-Nov-04	50050	2.790	8.758	1.800	5.650
MO0002402	31-Dec-04	50050	115.785	362.700	74.700	234.000
MO0002402	31-Dec-04	50050	115.785	362.700	74.700	234.000
MO0002402	31-Dec-04	50050	0.001	0.002	0.001	0.001
MO0002402	31-Dec-04	50050	0.075	0.171	0.049	0.110
MO0002402	31-Dec-04	50050	1.331	2.694	0.859	1.738
MO0002402	31-Jan-05	50050	156.860	437.410	101.200	282.200
MO0002402	31-Jan-05	50050	156.860	437.410	101.200	282.200
MO0002402	31-Jan-05	50050	0.003	0.001	0.002	0.001
MO0002402	31-Jan-05	50050	0.215	0.277	0.139	0.179
MO0002402	31-Jan-05	50050	1.238	0.173	0.798	0.112
MO0002402	28-Feb-05	50050	121.830	275.900	78.600	178.000
MO0002402	28-Feb-05	50050	121.830	275.900	78.600	178.000
MO0002402	28-Feb-05	50050	0.001	0.002	0.001	0.001
MO0002402	28-Feb-05	50050	0.112	0.112	0.072	0.072
MO0002402	28-Feb-05	50050	0.243	0.252	0.157	0.163
MO0002402	28-Feb-05	50050	0.959	1.435	0.619	0.926
MO0002402	31-Mar-05	50050	37.045	73.160	23.900	47.200
MO0002402	31-Mar-05	50050	37.045	73.160	23.900	47.200
MO0002402	31-Mar-05	50050	0.004	0.006	0.002	0.004
MO0002402	31-Mar-05	50050	0.164	0.252	0.106	0.163
MO0002402	31-Mar-05	50050	0.203	0.406	0.131	0.262
MO0002402	30-Apr-05	50050	24.490	26.815	15.800	17.300
MO0002402	30-Apr-05	50050	24.490	26.815	15.800	17.300
MO0002402	30-Apr-05	50050	0.005	0.015	0.003	0.010
MO0002402	30-Apr-05	50050	0.102	0.203	0.066	0.131
MO0002402	30-Apr-05	50050	0.178	0.225	0.115	0.145
MO0002402	31-May-05	50050	0.004	0.004	0.003	0.003
MO0002402	31-May-05	50050	0.104	0.142	0.067	0.091
MO0002402	31-May-05	50050	0.160	0.232	0.103	0.150
MO0002402	30-Jun-05	50050	99.665	578.150	64.300	373.000
MO0002402	30-Jun-05	50050	99.665	578.150	64.300	373.000
MO0002402	30-Jun-05	50050	0.106	0.173	0.069	0.112
MO0002402	30-Jun-05	50050	0.152	0.207	0.098	0.134
MO0002402	30-Jun-05	50050	4.805	8.215	3.100	5.300
MO0002402	31-Jul-05	50050	16.421	19.025	10.594	12.274
MO0002402	31-Jul-05	50050	16.421	19.025	10.594	12.274
MO0002402	31-Jul-05	50050	0.001	0.001	0.001	0.001
MO0002402	31-Jul-05	50050	0.008	0.008	0.005	0.005
MO0002402	31-Jul-05	50050	0.091	0.126	0.059	0.081
MO0002402	31-Aug-05	50050	21.700	24.490	14.000	15.800
MO0002402	31-Aug-05	50050	21.700	24.490	14.000	15.800
MO0002402	31-Aug-05	50050	0.018	0.031	0.011	0.020
MO0002402	31-Aug-05	50050	0.018	0.018	0.012	0.012
MO0002402	31-Aug-05	50050	0.056	0.056	0.036	0.036
MO0002402	31-Aug-05	50050	0.126	0.190	0.081	0.122
MO0002402	31-Aug-05	50050	0.139	0.344	0.089	0.222
MO0002402	30-Sep-05	50050	21.545	26.195	13.900	16.900
MO0002402	30-Sep-05	50050	21.545	26.195	13.900	16.900
MO0002402	30-Sep-05	50050	0.011	0.017	0.007	0.011
MO0002402	30-Sep-05	50050	0.026	0.054	0.017	0.035
MO0002402	30-Sep-05	50050	0.167	0.232	0.108	0.150
MO0002402	31-Oct-05	50050	13.941	16.921	8.994	10.917
MO0002402	31-Oct-05	50050	0.006	0.010	0.004	0.007
MO0002402	31-Oct-05	50050	0.018	0.018	0.012	0.012
MO0002402	31-Oct-05	50050	0.169	0.225	0.109	0.145
MO0002402	30-Nov-05	50050	13.484	15.320	8.699	9.884
MO0002402	30-Nov-05	50050	13.484	15.320	8.699	9.884

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002402	30-Nov-05	50050	0.002	0.004	0.001	0.003
MO0002402	30-Nov-05	50050	0.174	0.263	0.112	0.170
MO0002402	31-Dec-05	50050	12.680	13.217	8.181	8.527
MO0002402	31-Dec-05	50050	12.680	13.217	8.181	8.527
MO0002402	31-Dec-05	50050	0.005	0.007	0.003	0.005
MO0002402	31-Dec-05	50050	0.146	0.202	0.094	0.130
MO0002411	31-Jul-01	50050	0.405	0.527	0.261	0.34
MO0002411	31-Aug-01	50050	0.024	0.261	0.01542	0.1686
MO0002411	31-Aug-01	50050	0.528	0.630	0.3404	0.4065
MO0002411	30-Sep-01	50050	0.018	0.291	0.0113	0.1876
MO0002411	30-Sep-01	50050	0.522	0.593	0.3365	0.3826
MO0002411	30-Apr-02	50050	0.501	0.643	0.323	0.415
MO0002411	31-May-02	50050	0.158	1.014	0.102	0.654
MO0002411	31-May-02	50050	0.355	2.581	0.229	1.665
MO0002411	30-Jun-02	50050	0.246	0.815	0.159	0.526
MO0002411	30-Jun-02	50050	0.257	0.603	0.166	0.389
MO0002411	30-Jun-02	50050	0.575	2.598	0.371	1.676
MO0002411	31-Jul-02	50050	0.205	0.121	0.132	0.078
MO0002411	31-Jul-02	50050	0.473	0.566	0.305	0.365
MO0002411	31-Jul-02	50050	0.501	2.598	0.323	1.676
MO0002411	31-Aug-02	50050	0.239	0.786	0.154	0.507
MO0002411	30-Sep-02	50050	0.067	0.229	0.043	0.148
MO0002411	30-Sep-02	50050	0.240	2.292	0.155	1.479
MO0002411	30-Sep-02	50050	0.432	0.598	0.279	0.386
MO0002411	31-Oct-02	50050	0.057	0.408	0.037	0.263
MO0002411	31-Oct-02	50050	0.515	0.612	0.332	0.395
MO0002411	30-Nov-02	50050	0.566	0.625	0.365	0.403
MO0002411	31-Dec-02	50050	0.005	0.130	0.0031	0.084
MO0002411	31-Dec-02	50050	0.018	0.130	0.0115	0.084
MO0002411	31-Dec-02	50050	0.583	0.654	0.376	0.422
MO0002411	31-Jan-03	50050	0.004	0.005	0.0025	0.0032
MO0002411	31-Jan-03	50050	4.030	6.200	2.6	4
MO0002411	28-Feb-03	50050	0.040	0.017	0.026	0.0111
MO0002411	28-Feb-03	50050	0.042	0.318	0.027	0.205
MO0002411	28-Feb-03	50050	0.541	0.651	0.349	0.42
MO0002411	31-Mar-03	50050	0.060	0.690	0.039	0.445
MO0002411	31-Mar-03	50050	0.598	0.620	0.386	0.4
MO0002411	30-Apr-03	50050	0.070	0.293	0.045	0.189
MO0002411	30-Apr-03	50050	0.133	0.956	0.086	0.617
MO0002411	30-Apr-03	50050	0.640	0.659	0.413	0.425
MO0002411	31-May-03	50050	0.071	0.298	0.046	0.192
MO0002411	31-May-03	50050	0.105	0.938	0.068	0.605
MO0002411	31-May-03	50050	0.504	0.648	0.325	0.418
MO0002411	30-Jun-03	50050	0.167	1.404	0.108	0.906
MO0002411	30-Jun-03	50050	0.457	3.602	0.295	2.324
MO0002411	30-Jun-03	50050	0.614	0.668	0.396	0.431
MO0002411	31-Jul-03	50050	0.085	1.810	0.055	1.168
MO0002411	31-Jul-03	50050	0.164	317.750	0.106	205
MO0002411	31-Jul-03	50050	0.595	0.674	0.384	0.435
MO0002411	31-Aug-03	50050	0.127	0.172	0.082	0.111
MO0002411	31-Aug-03	50050	0.465	1.575	0.3	1.016
MO0002411	31-Aug-03	50050	0.513	0.716	0.331	0.462
MO0002411	30-Sep-03	50050	0.031	0.811	0.0198	0.523
MO0002411	30-Sep-03	50050	0.214	2.196	0.138	1.417
MO0002411	30-Sep-03	50050	0.594	0.674	0.383	0.435
MO0002411	31-Oct-03	50050	0.014	0.003	0.009	0.0022
MO0002411	31-Oct-03	50050	0.059	0.336	0.038	0.217
MO0002411	31-Oct-03	50050	0.673	0.739	0.434	0.477
MO0002411	30-Nov-03	50050	0.007	0.146	0.0043	0.094
MO0002411	30-Nov-03	50050	0.060	0.831	0.039	0.536
MO0002411	30-Nov-03	50050	0.676	0.722	0.436	0.466
MO0002411	31-Dec-03	50050	0.056	0.253	0.036	0.163
MO0002411	31-Dec-03	50050	0.676	0.722	0.436	0.466
MO0002411	31-Jan-04	50050	0.047	0.809	0.03	0.522
MO0002411	31-Jan-04	50050	0.076	1.367	0.049	0.882
MO0002411	31-Jan-04	50050	0.685	0.696	0.442	0.449
MO0002411	29-Feb-04	50050	0.003	0.029	0.0017	0.019
MO0002411	29-Feb-04	50050	0.008	0.009	0.0054	0.0056
MO0002411	29-Feb-04	50050	0.693	0.710	0.447	0.458
MO0002411	31-Mar-04	50050	0.087	1.097	0.056	0.708
MO0002411	31-Mar-04	50050	0.140	1.736	0.09	1.12
MO0002411	31-Mar-04	50050	0.691	0.713	0.446	0.46
MO0002411	30-Apr-04	50050	0.064	0.742	0.041	0.479

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002411	30-Apr-04	50050	0.188	2.347	0.121	1.514
MO0002411	30-Apr-04	50050	0.687	0.744	0.443	0.48
MO0002411	31-May-04	50050	0.053	0.884	0.034	0.57
MO0002411	31-May-04	50050	0.095	2.344	0.061	1.512
MO0002411	31-May-04	50050	0.676	0.755	0.436	0.487
MO0002411	30-Jun-04	50050	0.029	0.392	0.019	0.253
MO0002411	30-Jun-04	50050	0.129	1.279	0.083	0.825
MO0002411	30-Jun-04	50050	0.673	0.705	0.434	0.455
MO0002411	31-Jul-04	50050	0.060	0.649	0.039	0.419
MO0002411	31-Jul-04	50050	0.245	1.905	0.158	1.229
MO0002411	31-Jul-04	50050	0.680	0.729	0.439	0.47
MO0002411	31-Aug-04	50050	0.005	0.172	0.0035	0.1109
MO0002411	31-Aug-04	50050	0.033	1.001	0.021	0.646
MO0002411	31-Aug-04	50050	0.659	0.725	0.425	0.468
MO0002411	30-Sep-04	50050	0.011	0.341	0.0073	0.2197
MO0002411	30-Sep-04	50050	0.680	0.724	0.439	0.467
MO0002411	31-Oct-04	50050	0.011	0.177	0.0068	0.1144
MO0002411	31-Oct-04	50050	0.070	0.777	0.045	0.501
MO0002411	31-Oct-04	50050	0.687	0.730	0.443	0.471
MO0002411	30-Nov-04	50050	0.064	0.530	0.0412	0.342
MO0002411	30-Nov-04	50050	0.130	1.288	0.084	0.831
MO0002411	30-Nov-04	50050	0.691	0.724	0.446	0.467
MO0002411	31-Dec-04	50050	0.028	0.374	0.0182	0.241
MO0002411	31-Dec-04	50050	0.042	0.913	0.027	0.589
MO0002411	31-Dec-04	50050	0.690	0.710	0.445	0.458
MO0002411	31-Jan-05	50050	0.104	0.656	0.067	0.423
MO0002411	31-Jan-05	50050	0.152	0.862	0.098	0.556
MO0002411	31-Jan-05	50050	0.663	0.729	0.428	0.47
MO0002411	28-Feb-05	50050	0.034	0.099	0.022	0.064
MO0002411	28-Feb-05	50050	0.045	0.214	0.029	0.138
MO0002411	28-Feb-05	50050	0.691	1.149	0.446	0.741
MO0002411	31-Mar-05	50050	0.008	0.029	0.005	0.019
MO0002411	31-Mar-05	50050	0.085	0.282	0.055	0.182
MO0002411	31-Mar-05	50050	0.694	0.732	0.448	0.472
MO0002411	30-Apr-05	50050	0.004	0.050	0.0028	0.0323
MO0002411	30-Apr-05	50050	0.039	1.226	0.025	0.791
MO0002411	30-Apr-05	50050	0.659	0.710	0.425	0.458
MO0002411	31-May-05	50050	0.006	0.079	0.0036	0.051
MO0002411	31-May-05	50050	0.053	0.516	0.0343	0.333
MO0002411	31-May-05	50050	0.663	0.691	0.428	0.446
MO0002411	30-Jun-05	50050	0.002	0.210	0.0015	0.1354
MO0002411	30-Jun-05	50050	0.398	1.431	0.257	0.923
MO0002411	30-Jun-05	50050	0.667	0.711	0.43	0.459
MO0002411	31-Jul-05	50050	0.032	0.603	0.0206	0.389
MO0002411	31-Jul-05	50050	0.130	1.686	0.084	1.088
MO0002411	31-Jul-05	50050	0.656	0.698	0.423	0.45
MO0002411	31-Aug-05	50050	0.010	0.259	0.0063	0.167
MO0002411	31-Aug-05	50050	0.108	2.623	0.0696	1.692
MO0002411	31-Aug-05	50050	0.656	0.698	0.423	0.45
MO0002411	30-Sep-05	50050	0.036	0.036	0.023	0.023
MO0002411	30-Sep-05	50050	0.056	0.828	0.036	0.534
MO0002411	30-Sep-05	50050	0.656	0.698	0.423	0.45
MO0002411	31-Oct-05	50050	0.002	0.065	0.0014	0.042
MO0002411	31-Oct-05	50050	0.033	0.957	0.021	0.6177
MO0002411	30-Nov-05	50050	1.659	1.659	1.07	1.07
MO0002411	31-Dec-05	50050	0.001	0.001	0.0008	0.0008
MO0002411	31-Dec-05	50050	0.806	0.806	0.52	0.52
MO0002453	31-May-99	50050	0.226	0.226	0.146	0.146
MO0002453	31-May-99	50050	0.773	2.057	0.4988	1.327
MO0002453	31-May-99	50050	3.200	9.192	2.0643	5.93
MO0002453	30-Jun-99	50050	0.155	0.155	0.1	0.1
MO0002453	30-Jun-99	50050	0.434	0.434	0.28	0.28
MO0002453	30-Jun-99	50050	0.901	4.007	0.581	2.585
MO0002453	30-Jun-99	50050	5.580	9.610	3.6	6.2
MO0002453	30-Jun-99	50050	12.090	17.980	7.8	11.6
MO0002453	30-Jun-99	50050	13.175	19.530	8.5	12.6
MO0002453	30-Jun-99	50050	4.960	5.425	3.2	3.5
MO0002453	31-Jul-99	50050	0.011	0.011	0.0068	0.0068
MO0002453	31-Jul-99	50050	0.197	0.504	0.127	0.325
MO0002453	31-Jul-99	50050	1.351	1.562	0.8713	1.008
MO0002453	31-Jul-99	50050	267.065	393.235	172.3	253.7
MO0002453	31-Jul-99	50050	13.020	22.320	8.4	14.4
MO0002453	31-Jul-99	50050	14.105	23.870	9.1	15.4

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002453	31-Jul-99	50050	252.960	369.365	163.2	238.3
MO0002453	31-Jul-99	50050	4.650	5.425	3	3.5
MO0002453	31-Aug-99	50050	0.010	0.010	0.0067	0.0067
MO0002453	31-Aug-99	50050	0.029	0.029	0.019	0.019
MO0002453	31-Aug-99	50050	1.128	1.345	0.728	0.868
MO0002453	31-Aug-99	50050	4.030	4.185	2.6	2.7
MO0002453	31-Aug-99	50050	4.340	4.805	2.8	3.1
MO0002453	31-Aug-99	50050	5.115	5.580	3.3	3.6
MO0002453	31-Aug-99	50050	2.635	3.100	1.7	2
MO0002453	31-Aug-99	50050	131.905	141.050	85.1	91
MO0002453	30-Sep-99	50050	0.011	0.011	0.007	0.007
MO0002453	30-Sep-99	50050	0.037	0.037	0.024	0.024
MO0002453	30-Sep-99	50050	1.018	1.243	0.657	0.802
MO0002453	30-Sep-99	50050	2.945	3.100	1.9	2
MO0002453	30-Sep-99	50050	115.940	138.105	74.8	89.1
MO0002453	30-Sep-99	50050	2.015	2.325	1.3	1.5
MO0002453	30-Sep-99	50050	112.685	134.230	72.7	86.6
MO0002453	31-Oct-99	50050	0.026	0.026	0.0165	0.0165
MO0002453	31-Oct-99	50050	0.064	0.129	0.0415	0.083
MO0002453	31-Oct-99	50050	0.764	1.152	0.493	0.743
MO0002453	31-Oct-99	50050	2.325	3.100	1.5	2
MO0002453	31-Oct-99	50050	2.635	3.255	1.7	2.1
MO0002453	31-Oct-99	50050	95.325	96.720	61.5	62.4
MO0002453	31-Oct-99	50050	1.240	1.550	0.8	1
MO0002453	30-Nov-99	50050	0.160	0.175	0.1034	0.113
MO0002453	30-Nov-99	50050	0.717	1.110	0.4626	0.716
MO0002453	31-Dec-99	50050	0.140	0.140	0.09	0.09
MO0002453	31-Dec-99	50050	0.155	0.155	0.1	0.1
MO0002453	31-Dec-99	50050	0.226	0.226	0.146	0.146
MO0002453	31-Dec-99	50050	0.355	0.642	0.229	0.414
MO0002453	31-Dec-99	50050	1.000	1.263	0.645	0.815
MO0002453	31-Dec-99	50050	1.148	1.148	0.7404	0.7404
MO0002453	31-Dec-99	50050	248.000	329.995	160	212.9
MO0002453	31-Dec-99	50050	12.710	20.150	8.2	13
MO0002453	31-Dec-99	50050	13.330	21.080	8.6	13.6
MO0002453	31-Dec-99	50050	234.670	314.495	151.4	202.9
MO0002453	31-Dec-99	50050	5.580	7.750	3.6	5
MO0002453	31-Jan-00	50050	0.058	0.058	0.0372	0.0372
MO0002453	31-Jan-00	50050	0.600	0.767	0.387	0.495
MO0002453	29-Feb-00	50050	0.069	0.069	0.0442	0.0442
MO0002453	29-Feb-00	50050	0.209	0.279	0.1348	0.18
MO0002453	29-Feb-00	50050	0.705	0.744	0.455	0.48
MO0002453	29-Feb-00	50050	2.480	3.875	1.6	2.5
MO0002453	29-Feb-00	50050	137.020	237.925	88.4	153.5
MO0002453	29-Feb-00	50050	142.600	249.395	92	160.9
MO0002453	29-Feb-00	50050	5.115	10.850	3.3	7
MO0002453	29-Feb-00	50050	5.580	11.780	3.6	7.6
MO0002453	31-May-00	50050	3.410	5.425	2.2	3.5
MO0002453	31-Jul-00	50050	0.087	0.140	0.0559	0.09
MO0002453	31-Jul-00	50050	0.295	0.636	0.19	0.41
MO0002453	31-Aug-00	50050	0.061	0.233	0.0396	0.15
MO0002453	31-Aug-00	50050	0.279	0.481	0.18	0.31
MO0002453	31-Aug-00	50050	0.301	0.388	0.194	0.25
MO0002453	31-Aug-00	50050	0.129	0.157	0.083	0.101
MO0002453	30-Sep-00	50050	0.016	0.026	0.0102	0.0165
MO0002453	30-Sep-00	50050	0.205	0.279	0.1325	0.18
MO0002453	30-Sep-00	50050	0.026	0.026	0.0165	0.0165
MO0002453	31-Oct-00	50050	0.077	0.330	0.0499	0.2128
MO0002453	31-Oct-00	50050	0.284	0.597	0.183	0.385
MO0002453	31-Oct-00	50050	0.527	0.992	0.34	0.64
MO0002453	31-Oct-00	50050	0.058	0.217	0.0371	0.14
MO0002453	30-Nov-00	50050	0.089	0.120	0.0574	0.0772
MO0002453	30-Nov-00	50050	0.403	0.713	0.26	0.46
MO0002453	30-Nov-00	50050	0.446	0.806	0.2875	0.52
MO0002453	30-Nov-00	50050	0.930	1.085	0.6	0.7
MO0002453	30-Nov-00	50050	82.460	94.550	53.2	61
MO0002453	30-Nov-00	50050	97.960	110.050	63.2	71
MO0002453	30-Nov-00	50050	0.089	0.120	0.0574	0.0772
MO0002453	30-Nov-00	50050	2.635	4.495	1.7	2.9
MO0002453	31-Dec-00	50050	0.260	0.310	0.1675	0.2
MO0002453	31-Dec-00	50050	0.527	0.574	0.34	0.37
MO0002453	31-Dec-00	50050	55.025	55.025	35.5	35.5
MO0002453	31-Dec-00	50050	79.050	118.420	51	76.4

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002453	31-Dec-00	50050	0.775	1.065	0.5	0.7
MO0002453	31-Dec-00	50050	1.240	1.550	0.8	1
MO0002453	31-Jan-01	50050	0.921	2.248	0.594	1.45
MO0002453	31-Jan-01	50050	1.423	6.030	0.918	3.89
MO0002453	31-Jan-01	50050	0.009	0.009	0.0056	0.0056
MO0002453	28-Feb-01	50050	0.667	1.287	0.43	0.83
MO0002453	28-Feb-01	50050	0.709	1.364	0.4575	0.88
MO0002453	28-Feb-01	50050	157.480	207.390	101.6	133.8
MO0002453	28-Feb-01	50050	342.395	745.550	220.9	481
MO0002453	28-Feb-01	50050	13.175	46.500	8.5	30
MO0002453	28-Feb-01	50050	20.770	20.770	13.4	13.4
MO0002453	28-Feb-01	50050	22.010	52.855	14.2	34.1
MO0002453	31-Mar-01	50050	0.360	0.512	0.2325	0.33
MO0002453	31-Mar-01	50050	0.372	0.729	0.24	0.47
MO0002453	31-Mar-01	50050	213.280	310.000	137.6	200
MO0002453	31-Mar-01	50050	225.835	323.795	145.7	208.9
MO0002453	31-Mar-01	50050	6.200	9.300	4	6
MO0002453	31-Mar-01	50050	10.540	17.050	6.8	11
MO0002453	31-Mar-01	50050	11.625	18.445	7.5	11.9
MO0002453	30-Apr-01	50050	0.409	0.729	0.264	0.47
MO0002453	30-Apr-01	50050	0.462	0.837	0.298	0.54
MO0002453	30-Apr-01	50050	4.960	7.750	3.2	5
MO0002453	30-Apr-01	50050	139.655	186.000	90.1	120
MO0002453	30-Apr-01	50050	151.435	195.145	97.7	125.9
MO0002453	30-Apr-01	50050	0.093	0.155	0.06	0.1
MO0002453	30-Apr-01	50050	7.130	12.400	4.6	8
MO0002453	30-Apr-01	50050	7.440	12.865	4.8	8.3
MO0002453	31-May-01	50050	0.217	0.341	0.14	0.22
MO0002453	31-May-01	50050	0.333	0.512	0.215	0.33
MO0002453	31-May-01	50050	1.550	1.550	1	1
MO0002453	31-May-01	50050	99.200	114.235	64	73.7
MO0002453	31-May-01	50050	112.530	129.735	72.6	83.7
MO0002453	31-May-01	50050	3.720	6.200	2.4	4
MO0002453	31-May-01	50050	4.495	6.510	2.9	4.2
MO0002453	30-Jun-01	50050	0.027	0.027	0.0174	0.0174
MO0002453	30-Jun-01	50050	0.053	0.053	0.0342	0.0342
MO0002453	30-Jun-01	50050	0.202	0.202	0.13	0.13
MO0002453	30-Jun-01	50050	0.318	0.574	0.205	0.37
MO0002453	30-Jun-01	50050	0.496	0.884	0.32	0.57
MO0002453	30-Jun-01	50050	1.550	2.325	1	1.5
MO0002453	30-Jun-01	50050	93.000	108.500	60	70
MO0002453	30-Jun-01	50050	102.610	108.500	66.2	70
MO0002453	30-Jun-01	50050	0.016	0.016	0.0106	0.0106
MO0002453	30-Jun-01	50050	6.975	13.485	4.5	8.7
MO0002453	30-Jun-01	50050	7.750	14.260	5	9.2
MO0002453	31-Jul-01	50050	0.233	0.295	0.15	0.19
MO0002453	31-Jul-01	50050	0.288	0.372	0.186	0.24
MO0002453	31-Jul-01	50050	3.255	4.340	2.1	2.8
MO0002453	31-Jul-01	50050	83.700	106.020	54	68.4
MO0002453	31-Jul-01	50050	87.885	106.020	56.7	68.4
MO0002453	31-Jul-01	50050	3.255	4.340	2.1	2.8
MO0002453	31-Jul-01	50050	3.565	4.650	2.3	3
MO0002453	31-Aug-01	50050	0.171	0.186	0.11	0.12
MO0002453	31-Aug-01	50050	0.236	0.248	0.1525	0.16
MO0002453	31-Aug-01	50050	63.395	69.595	40.9	44.9
MO0002453	31-Aug-01	50050	64.325	69.595	41.5	44.9
MO0002453	31-Aug-01	50050	0.008	0.008	0.0053	0.0053
MO0002453	31-Aug-01	50050	0.775	0.775	0.5	0.5
MO0002453	31-Aug-01	50050	1.085	1.085	0.7	0.7
MO0002453	30-Sep-01	50050	0.221	0.279	0.1425	0.18
MO0002453	30-Sep-01	50050	0.496	0.977	0.32	0.63
MO0002453	30-Sep-01	50050	0.775	0.155	0.5	0.1
MO0002453	30-Sep-01	50050	66.030	72.850	42.6	47
MO0002453	30-Sep-01	50050	67.115	74.245	43.3	47.9
MO0002453	30-Sep-01	50050	0.775	1.395	0.5	0.9
MO0002453	30-Sep-01	50050	1.085	1.705	0.7	1.1
MO0002453	31-Oct-01	50050	0.115	0.217	0.074	0.14
MO0002453	31-Oct-01	50050	0.291	0.512	0.188	0.33
MO0002453	31-Oct-01	50050	4.650	12.090	3	7.8
MO0002453	31-Oct-01	50050	5.270	12.865	3.4	8.3
MO0002453	31-Oct-01	50050	94.085	159.960	60.7	103.2
MO0002453	31-Oct-01	50050	0.078	0.093	0.05	0.06
MO0002453	31-Oct-01	50050	5.270	12.865	3.4	8.3

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0002453	30-Nov-01	50050	0.372	0.667	0.24	0.43
MO0002453	30-Nov-01	50050	7.595	23.095	4.9	14.9
MO0002453	30-Nov-01	50050	8.215	23.715	5.3	15.3
MO0002453	30-Nov-01	50050	111.910	155.465	72.2	100.3
MO0002453	31-Dec-01	50050	0.403	1.721	0.26	1.11
MO0002453	31-Dec-01	50050	0.406	0.930	0.262	0.6
MO0002453	31-Dec-01	50050	179.955	433.845	116.1	279.9
MO0002453	31-Dec-01	50050	8.370	26.040	5.4	16.8
MO0002453	31-Dec-01	50050	8.835	26.815	5.7	17.3
MO0002453	31-Dec-01	50050	169.260	401.760	109.2	259.2
MO0002453	31-Jan-02	50050	0.225	0.233	0.145	0.15
MO0002453	31-Jan-02	50050	0.229	0.264	0.1475	0.17
MO0002453	31-Jan-02	50050	1.860	3.875	1.2	2.5
MO0002453	31-Jan-02	50050	2.325	4.650	1.5	3
MO0002453	31-Jan-02	50050	96.875	109.740	62.5	70.8
MO0002453	31-Jan-02	50050	1.550	1.550	1	1
MO0002453	31-Jan-02	50050	94.240	104.315	60.8	67.3
MO0002453	28-Feb-02	50050	0.302	0.403	0.195	0.26
MO0002453	28-Feb-02	50050	0.360	0.512	0.2325	0.33
MO0002453	28-Feb-02	50050	181.970	265.825	117.4	171.5
MO0002453	28-Feb-02	50050	11.160	23.095	7.2	14.9
MO0002453	28-Feb-02	50050	1.550	1.550	1	1
MO0002453	28-Feb-02	50050	168.330	237.150	108.6	153
MO0002453	31-Mar-02	50050	0.403	0.667	0.26	0.43
MO0002453	31-Mar-02	50050	0.411	0.558	0.265	0.36
MO0002453	31-Mar-02	50050	178.715	192.820	115.3	124.4
MO0002453	31-Mar-02	50050	8.990	11.005	5.8	7.1
MO0002453	31-Mar-02	50050	9.610	11.780	6.2	7.6
MO0002453	31-Mar-02	50050	1.550	1.550	1	1
MO0002453	31-Mar-02	50050	167.245	182.590	107.9	117.8
MO0002453	30-Apr-02	50050	0.190	0.217	0.1225	0.14
MO0002453	30-Apr-02	50050	0.279	0.326	0.18	0.21
MO0002453	30-Apr-02	50050	162.905	202.585	105.1	130.7
MO0002453	30-Apr-02	50050	5.735	9.920	3.7	6.4
MO0002453	30-Apr-02	50050	6.200	10.695	4	6.9
MO0002453	30-Apr-02	50050	1.550	1.550	1	1
MO0002453	30-Apr-02	50050	155.465	189.720	100.3	122.4
MO0002453	31-Dec-03	50050	0.003	0.003	0.002	0.002
MO0002453	31-Dec-03	50050	0.032	0.032	0.0209	0.0209
MO0002453	31-Dec-03	50050	0.078	0.078	0.05	0.05
MO0002453	31-Dec-03	50050	0.223	0.223	0.144	0.144
MO0002453	31-Mar-04	50050	0.001	0.001	0.0008	0.0008
MO0002453	31-Mar-04	50050	0.009	0.009	0.006	0.006
MO0002453	31-Mar-04	50050	0.032	0.032	0.0209	0.0209
MO0002453	31-Mar-04	50050	5.974	5.974	3.854	3.854
MO0002453	30-Jun-04	50050	0.233	0.233	0.15	0.15
MO0002453	31-Dec-04	50050	0.320	0.320	0.2064	0.2064
MO0002453	31-Dec-04	50050	0.641	0.641	0.4137	0.4137
MO0021440	31-Jul-99	50050	7.5175	7.905	4.85	5.1
MO0021440	31-Oct-99	50050	0.0006	0.0006	0.0004	0.0004
MO0021440	30-Nov-99	50050	5.828	7.13	3.76	4.6
MO0021440	31-Dec-99	50050	6.355	8.525	4.1	5.5
MO0021440	31-Jan-00	50050	0.0006	0.0006	0.0004	0.0004
MO0021440	29-Feb-00	50050	5.735	7.285	3.7	4.7
MO0021440	29-Feb-00	50050	6.2	7.595	4	4.9
MO0021440	29-Feb-00	50050	5.7536		3.712	
MO0021440	29-Feb-00	50050	5.735	7.285	3.7	4.7
MO0021440	31-Mar-00	50050	6.665	7.285	4.3	4.7
MO0021440	30-Apr-00	50050	6.2	7.595	4	4.9
MO0021440	30-Apr-00	50050	4.65	7.13	3	4.6
MO0021440	31-May-00	50050	6.665	8.215	4.3	5.3
MO0021440	30-Jun-00	50050	6.045	6.045	3.9	3.9
MO0021440	31-Jul-00	50050	6.2	6.2	4	4
MO0021440	31-Aug-00	50050	5.58	7.285	3.6	4.7
MO0021440	30-Sep-00	50050	5.58	5.58	3.6	3.6
MO0021440	31-Oct-00	50050	6.045	8.37	3.9	5.4
MO0021440	30-Nov-00	50050	5.89	6.975	3.8	4.5
MO0021440	30-Nov-00	50050	6.51	7.905	4.2	5.1
MO0021440	30-Nov-00	50050	6.51	7.905	4.2	5.1
MO0021440	30-Nov-00	50050	6.51	7.905	4.2	5.1
MO0021440	31-Dec-00	50050	5.735	7.285	3.7	4.7
MO0021440	31-Jan-01	50050	6.045	8.06	3.9	5.2
MO0021440	31-Jan-01	50050	6.045	8.06	3.9	5.2

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0021440	28-Feb-01	50050	6.82	9.3	4.4	6
MO0021440	31-Mar-01	50050	5.735	7.44	3.7	4.8
MO0021440	30-Apr-01	50050	5.89	7.44	3.8	4.8
MO0021440	31-May-01	50050	6.340	7.905	4.09	5.1
MO0021440	31-May-01	50050	6.355	7.905	4.1	5.1
MO0021440	31-May-01	50050	6.355	7.905	4.1	5.1
MO0021440	31-May-01	50050	6.340	7.905	4.09	5.1
MO0021440	30-Jun-01	50050	5.89	7.595	3.8	4.9
MO0021440	31-Jul-01	50050	6.51	10.54	4.2	6.8
MO0021440	31-Aug-01	50050	5.89	7.285	3.8	4.7
MO0021440	30-Sep-01	50050	5.735	6.975	3.7	4.5
MO0021440	30-Sep-01	50050	5.735	6.975	3.7	4.5
MO0021440	30-Sep-01	50050	5.735	6.975	3.7	4.5
MO0021440	31-Oct-01	50050	6.2	8.215	4	5.3
MO0021440	31-Oct-01	50050	6.2	8.215	4	5.3
MO0021440	31-Oct-01	50050	6.2	8.215	4	5.3
MO0021440	30-Nov-01	50050	6.2	7.905	4	5.1
MO0021440	31-Jan-02	50050	6.665	9.61	4.3	6.2
MO0021440	28-Feb-02	50050	6.665	8.06	4.3	5.2
MO0021440	28-Feb-02	50050	6.51	8.06	4.2	5.2
MO0021440	28-Feb-02	50050	6.665	8.06	4.3	5.2
MO0021440	31-Mar-02	50050	7.44	8.37	4.8	5.4
MO0021440	30-Apr-02	50050	6.975	8.68	4.5	5.6
MO0021440	30-Apr-02	50050	6.975	8.68	4.5	5.6
MO0021440	30-Apr-02	50050	6.975	8.68	4.5	5.6
MO0021440	31-May-02	50050	7.905	9.455	5.1	6.1
MO0021440	31-May-02	50050	7.905	9.455	5.1	6.1
MO0021440	31-May-02	50050	7.905	9.455	5.1	6.1
MO0021440	30-Jun-02	50050	5.425	7.595	3.5	4.9
MO0021440	30-Jun-02	50050	6.975	8.99	4.5	5.8
MO0021440	30-Jun-02	50050	5.425	7.595	3.5	4.9
MO0021440	30-Jun-02	50050	6.898	8.99	4.45	5.8
MO0021440	30-Jun-02	50050	6.975	8.99	4.5	5.8
MO0021440	30-Jun-02	50050	6.975	8.99	4.5	5.8
MO0021440	31-Jul-02	50050	6.2	8.06	4	5.2
MO0021440	31-Jul-02	50050	6.2	8.06	4	5.2
MO0021440	31-Jul-02	50050	6.2	8.06	4	5.2
MO0021440	31-Jul-02	50050	6.2	8.06	4	5.2
MO0021440	31-Aug-02	50050	5.735	7.13	3.7	4.6
MO0021440	31-Aug-02	50050	5.735	7.13	3.7	4.6
MO0021440	31-Aug-02	50050	5.735	7.13	3.7	4.6
MO0021440	31-Aug-02	50050	5.735	7.13	3.7	4.6
MO0021440	30-Sep-02	50050	5.58	7.13	3.6	4.6
MO0021440	30-Sep-02	50050	5.58	7.13	3.6	4.6
MO0021440	30-Sep-02	50050	5.58	7.13	3.6	4.6
MO0021440	30-Sep-02	50050	5.58	7.13	3.6	4.6
MO0021440	30-Sep-02	50050	5.58	7.13	3.6	4.6
MO0021440	31-Oct-02	50050	5.735	7.595	3.7	4.9
MO0021440	31-Oct-02	50050	5.735	7.595	3.7	4.9
MO0021440	31-Oct-02	50050	5.735	7.595	3.7	4.9
MO0021440	30-Nov-02	50050	4.03	4.96	2.6	3.2
MO0021440	30-Nov-02	50050	4.65	4.65	3	3
MO0021440	30-Nov-02	50050	4.65	4.65	3	3
MO0021440	30-Nov-02	50050	5.58	10.075	3.6	6.5
MO0021440	31-Dec-02	50050	5.425	7.44	3.5	4.8
MO0021440	31-Dec-02	50050	4.185	4.185	2.7	2.7
MO0021440	31-Dec-02	50050	5.425	7.44	3.5	4.8
MO0021440	31-Dec-02	50050	5.425	7.44	3.5	4.8
MO0021440	31-Dec-02	50050	5.425	7.44	3.5	4.8
MO0021440	31-Jan-03	50050	4.185	5.115	2.7	3.3
MO0021440	31-Jan-03	50050	4.34	4.34	2.8	2.8
MO0021440	31-Jan-03	50050	4.34	4.34	2.8	2.8
MO0021440	31-Jan-03	50050	5.735	6.665	3.7	4.3
MO0021440	31-Mar-03	50050	4.34	6.665	2.8	4.3
MO0021440	31-Mar-03	50050	4.728	4.805	3.05	3.1
MO0021440	31-Mar-03	50050	5.27	7.285	3.4	4.7
MO0021440	30-Apr-03	50050	4.34	5.425	2.8	3.5
MO0021440	30-Apr-03	50050	5.115	5.115	3.3	3.3
MO0021440	30-Apr-03	50050	5.115	5.115	3.3	3.3
MO0021440	30-Apr-03	50050	5.735	6.975	3.7	4.5
MO0021440	31-May-03	50050	4.65	7.44	3	4.8
MO0021440	31-May-03	50050	5.425	5.425	3.5	3.5

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0021440	31-May-03	50050	6.045	7.595	3.9	4.9
MO0021440	30-Jun-03	50050	4.65	6.51	3	4.2
MO0021440	30-Jun-03	50050	4.96	4.96	3.2	3.2
MO0021440	30-Jun-03	50050	4.96	4.96	3.2	3.2
MO0021440	30-Jun-03	50050	6.045	7.595	3.9	4.9
MO0021440	31-Jul-03	50050	4.495	5.27	2.9	3.4
MO0021440	31-Jul-03	50050	5.115	5.115	3.3	3.3
MO0021440	31-Jul-03	50050	5.115	5.115	3.3	3.3
MO0021440	31-Jul-03	50050	5.58	6.975	3.6	4.5
MO0021440	31-Aug-03	50050	4.495	5.735	2.9	3.7
MO0021440	31-Aug-03	50050	4.495	5.735	2.9	3.7
MO0021440	31-Aug-03	50050	5.115	5.115	3.3	3.3
MO0021440	31-Aug-03	50050	5.58	7.285	3.6	4.7
MO0021440	30-Sep-03	50050	4.34	5.58	2.8	3.6
MO0021440	30-Sep-03	50050	4.495	4.495	2.9	2.9
MO0021440	30-Sep-03	50050	4.495	4.495	2.9	2.9
MO0021440	30-Sep-03	50050	5.193	6.665	3.35	4.3
MO0021440	31-Oct-03	50050	3.875	6.045	2.5	3.9
MO0021440	31-Oct-03	50050	4.418	4.805	2.85	3.1
MO0021440	31-Oct-03	50050	4.418	4.805	2.85	3.1
MO0021440	31-Oct-03	50050	4.418	4.805	2.85	3.1
MO0021440	31-Oct-03	50050	3.875	6.045	2.5	3.9
MO0021440	30-Nov-03	50050	4.185	8.525	2.7	5.5
MO0021440	30-Nov-03	50050	5.425	5.425	3.5	3.5
MO0021440	30-Nov-03	50050	5.425	5.425	3.5	3.5
MO0021440	31-Dec-03	50050	4.65	7.13	3	4.6
MO0021440	31-Dec-03	50050	4.96	5.115	3.2	3.3
MO0021440	31-Dec-03	50050	4.96	5.115	3.2	3.3
MO0021440	31-Jan-04	50050	4.65	6.665	3	4.3
MO0021440	31-Jan-04	50050	4.805	4.805	3.1	3.1
MO0021440	31-Jan-04	50050	4.805	4.805	3.1	3.1
MO0021440	31-Mar-04	50050	4.805	7.44	3.1	4.8
MO0021440	31-Mar-04	50050	5.813	6.665	3.75	4.3
MO0021440	31-Mar-04	50050	5.813	6.51	3.75	4.2
MO0021440	31-Mar-04	50050	5.735	7.44	3.7	4.8
MO0021440	30-Apr-04	50050	1.008	1.0075	0.65	0.65
MO0021440	30-Apr-04	50050	4.495	8.215	2.9	5.3
MO0021440	30-Apr-04	50050	1.008	1.0075	0.65	0.65
MO0021440	30-Apr-04	50050	2.635	2.635	1.7	1.7
MO0021440	30-Apr-04	50050	2.635	2.635	1.7	1.7
MO0021440	30-Apr-04	50050	5.425	9.765	3.5	6.3
MO0021440	31-May-04	50050	4.96	6.665	3.2	4.3
MO0021440	31-May-04	50050	5.735	5.735	3.7	3.7
MO0021440	31-May-04	50050	5.735	5.735	3.7	3.7
MO0021440	31-May-04	50050	6.045	8.06	3.9	5.2
MO0021440	30-Jun-04	50050	5.115	6.975	3.3	4.5
MO0021440	30-Jun-04	50050	5.89	5.89	3.8	3.8
MO0021440	30-Jun-04	50050	6.2	8.37	4	5.4
MO0021440	31-Jul-04	50050	5.27	9.145	3.4	5.9
MO0021440	31-Jul-04	50050	5.425	5.89	3.5	3.8
MO0021440	31-Jul-04	50050	6.355	10.85	4.1	7
MO0021440	30-Sep-04	50050	4.604	5.735	2.97	3.7
MO0021440	30-Sep-04	50050	5.27	5.27	3.4	3.4
MO0021440	30-Sep-04	50050	5.518	6.82	3.56	4.4
MO0021440	31-Oct-04	50050	4.65	6.045	3	3.9
MO0021440	31-Oct-04	50050	5.89	5.89	3.8	3.8
MO0021440	31-Oct-04	50050	5.58	7.285	3.6	4.7
MO0021440	30-Nov-04	50050	0.0002	0.0002	0.0001	0.0001
MO0021440	30-Nov-04	50050	5.162	8.68	3.33	5.6
MO0021440	30-Nov-04	50050	15.5	15.5	10	10
MO0021440	30-Nov-04	50050	3.1	3.1	2	2
MO0021440	30-Nov-04	50050	6.216	10.385	4.01	6.7
MO0021440	31-Dec-04	50050	4.867	7.285	3.14	4.7
MO0021440	31-Dec-04	50050	4.65	4.65	3	3
MO0021440	31-Dec-04	50050	5.844	8.68	3.77	5.6
MO0021440	31-Jan-05	50050	3.1	3.1	2	2
MO0021440	31-Jan-05	50050	5.673	9.145	3.66	5.9
MO0021440	31-Jan-05	50050	15.5	15.5	10	10
MO0021440	31-Jan-05	50050	4.805	4.805	3.1	3.1
MO0021440	31-Jan-05	50050	6.774	11.005	4.37	7.1
MO0021440	28-Feb-05	50050	4.681	5.735	3.02	3.7
MO0021440	28-Feb-05	50050	5.58	5.58	3.6	3.6
MO0021440	28-Feb-05	50050	5.611	6.82	3.62	4.4

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0021440	31-Mar-05	50050	4.480	6.51	2.89	4.2
MO0021440	31-Mar-05	50050	5.115	5.115	3.3	3.3
MO0021440	31-Mar-05	50050	4.480	6.51	2.89	4.2
MO0021440	30-Apr-05	50050	4.976	6.975	3.21	4.5
MO0021440	30-Apr-05	50050	6.2	6.2	4	4
MO0021440	30-Apr-05	50050	4.976	6.975	3.21	4.5
MO0021440	31-May-05	50050	4.542	6.975	2.93	4.5
MO0021440	31-May-05	50050	5.115	5.115	3.3	3.3
MO0021440	31-May-05	50050	5.115	8.37	3.3	5.4
MO0021440	30-Jun-05	50050	3.844	5.425	2.48	3.5
MO0021440	30-Jun-05	50050	4.619	6.2	2.98	4
MO0021440	31-Jul-05	50050	4.675	10.23	3.016	6.6
MO0021440	31-Jul-05	50050	5.634	12.245	3.635	7.9
MO0021440	31-Aug-05	50050	6.309	8.68	4.07	5.6
MO0021440	31-Aug-05	50050	4.96	4.96	3.2	3.2
MO0021440	31-Aug-05	50050	7.580	10.385	4.89	6.7
MO0021440	30-Sep-05	50050	7.378	7.44	4.76	4.8
MO0021440	30-Sep-05	50050	20.46		13.2	
MO0021440	30-Sep-05	50050	5.735	5.735	3.7	3.7
MO0021440	30-Sep-05	50050	8.851	8.99	5.71	5.8
MO0021440	31-Oct-05	50050	7.285	7.595	4.7	4.9
MO0021440	31-Oct-05	50050	7.285	7.285	4.7	4.7
MO0021440	31-Oct-05	50050	8.99	9.145	5.8	5.9
MO0021440	30-Nov-05	50050	2.325	8.06	1.5	5.2
MO0021440	30-Nov-05	50050	3.72	3.72	2.4	2.4
MO0021440	30-Nov-05	50050	4.495	9.61	2.9	6.2
MO0021440	31-Dec-05	50050	3.488	4.495	2.25	2.9
MO0021440	31-Dec-05	50050	3.875	3.875	2.5	2.5
MO0021440	31-Dec-05	50050	4.2005	5.425	2.71	3.5
MO0022381	31-Jul-99	50050	0.930	3.415	0.6	2.203
MO0022381	31-Aug-99	50050	1.070	1.525	0.69	0.984
MO0022381	30-Sep-99	50050	1.085	1.845	0.7	1.19
MO0022381	31-Oct-99	50050	0.0001	0.0001	0.000063	0.000063
MO0022381	29-Feb-00	50050	0.976	2.234	0.6298	1.441
MO0022381	30-Apr-00	50050	0.977	1.652	0.63	1.066
MO0022381	30-Jun-00	50050	11.625	2.399	7.5	1.548
MO0022381	31-Jul-00	50050	1.349	3.488	0.87	2.25
MO0022381	31-Aug-00	50050	1.085	1.579	0.7	1.019
MO0022381	30-Sep-00	50050	1.014	1.659	0.654	1.07
MO0022381	31-Oct-00	50050	0.775	1.328	0.5	0.857
MO0022381	30-Nov-00	50050	1.161	2.106	0.749	1.359
MO0022381	31-Dec-00	50050	1.054	1.451	0.68	0.936
MO0022381	31-Jan-01	50050	1.330	3.075	0.858	1.984
MO0022381	28-Feb-01	50050	1.576	4.143	1.017	2.673
MO0022381	31-Mar-01	50050	1.228	2.032	0.792	1.311
MO0022381	30-Apr-01	50050	1.132	1.524	0.73	0.983
MO0022381	31-May-01	50050	1.285	2.155	0.829	1.39
MO0022381	30-Jun-01	50050	1.296	2.528	0.836	1.631
MO0022381	31-Jul-01	50050	1.220	2.593	0.787	1.673
MO0022381	31-Aug-01	50050	1.152	1.314	0.7433	0.848
MO0022381	30-Sep-01	50050	1.220	2.677	0.787	1.727
MO0022381	31-Oct-01	50050	1.280	2.610	0.826	1.684
MO0022381	30-Nov-01	50050	1.147	0.256	0.74	0.1649
MO0022381	31-Dec-01	50050	1.200	2.889	0.774	1.864
MO0022381	31-Jan-02	50050	1.362	2.099	0.879	1.354
MO0022381	28-Feb-02	50050	1.049	1.832	0.677	1.182
MO0022381	31-Mar-02	50050	1.380	2.065	0.89	1.332
MO0022381	31-May-02	50050	1.381	3.274	0.891	2.112
MO0022381	30-Jun-02	50050	0.955	1.355	0.616	0.874
MO0022381	31-Jul-02	50050	1.257	2.102	0.811	1.356
MO0022381	31-Aug-02	50050	1.211	2.217	0.781	1.43
MO0022381	30-Sep-02	50050	1.121	1336.100	0.723	862
MO0022381	31-Oct-02	50050	1.178	2.564	0.76	1.654
MO0022381	30-Nov-02	50050	1.249	3.043	0.806	1.963
MO0022381	31-Dec-02	50050	1.062	2.299	0.685	1.483
MO0022381	31-Jan-03	50050	0.941	1.242	0.607	0.801
MO0022381	28-Feb-03	50050	0.777	0.986	0.501	0.636
MO0022381	31-Mar-03	50050	0.938	1.356	0.605	0.875
MO0022381	30-Apr-03	50050	1.181	2.041	0.7619	1.317
MO0022381	31-May-03	50050	1.271	1.657	0.82	1.069
MO0022381	30-Jun-03	50050	1.070	1.925	0.69	1.242
MO0022381	31-Jul-03	50050	1.252	2.813	0.808	1.815
MO0022381	31-Aug-03	50050	1.166	1.496	0.752	0.965

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0022381	30-Sep-03	50050	1.142	1.263	0.737	0.815
MO0022381	31-Oct-03	50050	1.070	2.403	0.69	1.55
MO0022381	30-Nov-03	50050	1.122	2.827	0.724	1.824
MO0022381	31-Dec-03	50050	0.042	1.373	0.027	0.886
MO0022381	31-Jan-04	50050	1.488	2.689	0.96	1.735
MO0022381	29-Feb-04	50050	1.099	1.477	0.709	0.953
MO0022381	31-Mar-04	50050	1.307	2.911	0.843	1.878
MO0022381	30-Apr-04	50050	1.152	1.872	0.743	1.208
MO0022381	31-May-04	50050	1.172	2.344	0.756	1.512
MO0022381	30-Jun-04	50050	1.159	1.762	0.748	1.137
MO0022381	31-Jul-04	50050	1.063	2.206	0.686	1.423
MO0022381	31-Aug-04	50050	0.716	1.252	0.462	0.808
MO0022381	30-Sep-04	50050	0.880	1.330	0.568	0.858
MO0022381	31-Oct-04	50050	0.799	1.542	0.5157	0.995
MO0022381	30-Nov-04	50050	0.341	0.746	0.22	0.481
MO0022381	31-Dec-04	50050	0.047	0.437	0.03	0.282
MO0022381	31-Jan-05	50050	0.663	1.876	0.428	1.21
MO0022381	28-Feb-05	50050	0.636	1.307	0.41	0.843
MO0022381	31-Mar-05	50050	0.525	0.949	0.339	0.612
MO0022381	30-Apr-05	50050	0.868	1.553	0.56	1.002
MO0022381	31-May-05	50050	0.963	1.273	0.621	0.821
MO0022381	30-Jun-05	50050	0.823	1.226	0.531	0.791
MO0022381	31-Jul-05	50050	1.067	1.339	0.6887	0.864
MO0022381	31-Aug-05	50050	1.207	1.944	0.779	1.254
MO0022381	30-Sep-05	50050	1.045	2.700	0.674	1.742
MO0022381	31-Oct-05	50050	0.973	1.955	0.628	1.261
MO0022381	30-Nov-05	50050	1.097	2.396	0.708	1.546
MO0022381	31-Dec-05	50050	0.935	1.243	0.603	0.802
MO0023256	31-Jul-99	50050	6.820	12.245	4.4	7.9
MO0023256	31-Oct-99	50050	0.0004	0.0004	0.0003	0.0003
MO0023256	29-Feb-00	50050	5.053	7.440	3.26	4.8
MO0023256	31-Mar-00	50050	5.735	9.734	3.7	6.28
MO0023256	30-Apr-00	50050	5.580	6.030	3.6	3.89
MO0023256	31-May-00	50050	6.975	11.625	4.5	7.5
MO0023256	31-Aug-00	50050	5.084	5.859	3.28	3.78
MO0023256	30-Sep-00	50050	4.728	5.735	3.05	3.7
MO0023256	31-Oct-00	50050	4.805	6.123	3.1	3.95
MO0023256	31-Dec-00	50050	4.216	6.820	2.72	4.4
MO0023256	31-Jan-01	50050	5.131	11.780	3.31	7.6
MO0023256	28-Feb-01	50050	7.688	12.633	4.96	8.15
MO0023256	30-Apr-01	50050	4.960	7.874	3.2	5.08
MO0023256	31-May-01	50050	4.805	7.394	3.1	4.77
MO0023256	30-Jun-01	50050	6.603	12.168	4.26	7.85
MO0023256	31-Jul-01	50050	6.448	8.138	4.16	5.25
MO0023256	31-Aug-01	50050	4.402	5.131	2.84	3.31
MO0023256	30-Sep-01	50050	4.433	6.355	2.86	4.1
MO0023256	31-Oct-01	50050	5.952	12.834	3.84	8.28
MO0023256	30-Nov-01	50050	4.954	10.044	3.196	6.48
MO0023256	31-Dec-01	50050	5.596	10.246	3.61	6.61
MO0023256	31-Jan-02	50050	4.532	11.734	2.924	7.57
MO0023256	28-Feb-02	50050	6.216	10.618	4.01	6.85
MO0023256	31-Mar-02	50050	6.603	9.037	4.26	5.83
MO0023256	30-Apr-02	50050	5.704	14.787	3.68	9.54
MO0023256	31-May-02	50050	10.060	14.679	6.49	9.47
MO0023256	30-Jun-02	50050	8.076	14.307	5.21	9.23
MO0023256	31-Jul-02	50050	5.797	7.084	3.74	4.57
MO0023256	31-Aug-02	50050	4.387	6.045	2.83	3.9
MO0023256	30-Sep-02	50050	4.464	7.130	2.88	4.6
MO0023256	31-Oct-02	50050	4.387	6.200	2.83	4
MO0023256	30-Nov-02	50050	3.984	4.805	2.57	3.1
MO0023256	31-Dec-02	50050	4.542	7.130	2.93	4.6
MO0023256	31-Jan-03	50050	4.154	5.115	2.68	3.3
MO0023256	28-Feb-03	50050	5.394	9.765	3.48	6.3
MO0023256	31-Mar-03	50050	6.479	10.540	4.18	6.8
MO0023256	30-Apr-03	50050	5.518	8.680	3.56	5.6
MO0023256	31-May-03	50050	6.619	10.230	4.27	6.6
MO0023256	30-Jun-03	50050	5.937	10.540	3.83	6.8
MO0023256	31-Jul-03	50050	6.712	10.385	4.33	6.7
MO0023256	31-Aug-03	50050	4.294	7.130	2.77	4.6
MO0023256	30-Sep-03	50050	4.867	10.230	3.14	6.6
MO0023256	31-Oct-03	50050	4.232	6.820	2.73	4.4
MO0023256	30-Nov-03	50050	4.154	7.905	2.68	5.1
MO0023256	31-Dec-03	50050	6.479	12.245	4.18	7.9

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0023256	31-Jan-04	50050	7.130	11.935	4.6	7.7
MO0023256	29-Feb-04	50050	5.348	6.510	3.45	4.2
MO0023256	31-Mar-04	50050	8.138	13.330	5.25	8.6
MO0023256	30-Apr-04	50050	7.502	12.555	4.84	8.1
MO0023256	31-May-04	50050	8.432	13.020	5.44	8.4
MO0023256	30-Jun-04	50050	5.983	10.075	3.86	6.5
MO0023256	31-Jul-04	50050	7.735	13.950	4.99	9
MO0023256	31-Aug-04	50050	4.573	6.665	2.95	4.3
MO0023256	30-Sep-04	50050	4.154	5.890	2.68	3.8
MO0023256	31-Oct-04	50050	4.480	6.820	2.89	4.4
MO0023256	30-Nov-04	50050	8.045	11.780	5.19	7.6
MO0023256	31-Dec-04	50050	6.386	11.315	4.12	7.3
MO0023256	31-Jan-05	50050	8.711	14.725	5.62	9.5
MO0023256	28-Feb-05	50050	6.681	10.540	4.31	6.8
MO0023256	31-Mar-05	50050	4.697	6.045	3.03	3.9
MO0023256	30-Apr-05	50050	5.286	7.130	3.41	4.6
MO0023256	31-May-05	50050	4.650	7.130	3	4.6
MO0023256	30-Jun-05	50050	4.681	8.835	3.02	5.7
MO0023256	31-Jul-05	50050	5.580	10.540	3.6	6.8
MO0023256	31-Aug-05	50050	4.991	10.230	3.22	6.6
MO0023256	30-Sep-05	50050	4.154	7.595	2.68	4.9
MO0023256	31-Oct-05	50050	3.643	6.200	2.35	4
MO0023256	30-Nov-05	50050	3.984	5.890	2.57	3.8
MO0023256	31-Dec-05	50050	3.503	3.875	2.26	2.5
MO0036757	31-Oct-99	50050	1.209	1.732	0.78	1.118
MO0036757	31-Jan-00	50050	1.194	1.925	0.77	1.242
MO0036757	29-Feb-00	50050	1.253	1.979	0.808	1.277
MO0036757	31-Mar-00	50050	1.619	2.258	1.045	1.457
MO0036757	30-Apr-00	50050	1.180	1.927	0.762	1.244
MO0036757	31-May-00	50050	1.332	2.021	0.859	1.304
MO0036757	30-Jun-00	50050	2.144	2.144	1.383	1.383
MO0036757	31-Jul-00	50050	2.325	2.832	1.500	1.827
MO0036757	31-Aug-00	50050	0.977	2.148	0.630	1.386
MO0036757	30-Sep-00	50050	1.096	2.480	0.707	1.6
MO0036757	31-Oct-00	50050	1.049	2.144	0.677	1.383
MO0036757	30-Nov-00	50050	1.085	2.635	0.7	1.700
MO0036757	31-Dec-00	50050	1.178	2.147	0.76	1.385
MO0036757	31-Jan-01	50050	1.240	1.782	0.8	1.149
MO0036757	28-Feb-01	50050	2.224	4.748	1.435	3.063
MO0036757	31-Mar-01	50050	2.063	3.613	1.331	2.331
MO0036757	30-Apr-01	50050	1.290	2.167	0.832	1.398
MO0036757	31-May-01	50050	1.538	3.563	0.992	2.299
MO0036757	30-Jun-01	50050	1.432	2.790	0.924	1.800
MO0036757	31-Jul-01	50050	1.424	3.138	0.919	2.025
MO0036757	31-Aug-01	50050	1.206	2.660	0.778	1.716
MO0036757	30-Sep-01	50050	1.190	2.012	0.768	1.298
MO0036757	31-Oct-01	50050	1.232	2.806	0.795	1.811
MO0036757	30-Nov-01	50050	1.325	2.139	0.855	1.380
MO0036757	31-Dec-01	50050	1.845	4.659	1.190	3.006
MO0036757	31-Jan-02	50050	1.538	3.782	0.992	2.440
MO0036757	28-Feb-02	50050	2.139	2.186	1.380	1.410
MO0036757	31-Mar-02	50050	2.620	3.348	1.69	2.16
MO0036757	30-Apr-02	50050	2.151	3.176	1.388	2.049
MO0036757	31-May-02	50050	2.633	4.213	1.699	2.7181
MO0036757	31-May-02	50050	3.333	4.170	2.15	2.69
MO0036757	30-Jun-02	50050	2.108	3.457	1.36	2.23
MO0036757	31-Jul-02	50050	1.341	2.077	0.865	1.34
MO0036757	31-Aug-02	50050	1.141	1.452	0.736	0.937
MO0036757	30-Sep-02	50050	1.230	1.571	0.794	1.013
MO0036757	31-Oct-02	50050	1.449	2.957	0.935	1.908
MO0036757	30-Nov-02	50050	0.978	1.541	0.631	0.994
MO0036757	31-Dec-02	50050	1.220	2.223	0.787	1.435
MO0036757	31-Jan-03	50050	1.225	2.263	0.790	1.460
MO0036757	28-Feb-03	50050	1.550	3.163	1.000	2.041
MO0036757	31-Mar-03	50050	2.232	3.658	1.440	2.360
MO0036757	30-Apr-03	50050	2.294	4.387	1.480	2.830
MO0036757	31-May-03	50050	1.975	3.472	1.274	2.240
MO0036757	30-Jun-03	50050	1.882	5.563	1.214	3.589
MO0036757	31-Jul-03	50050	1.263	2.365	0.815	1.526
MO0036757	31-Aug-03	50050	1.209	2.480	0.78	1.6
MO0036757	30-Sep-03	50050	1.324	2.911	0.854	1.878
MO0036757	31-Oct-03	50050	1.147	1.891	0.74	1.22
MO0036757	30-Nov-03	50050	1.553	4.431	1.002	2.859

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0036757	31-Dec-03	50050	2.178	4.752	1.405	3.066
MO0036757	31-Jan-04	50050	2.151	5.123	1.388	3.305
MO0036757	29-Feb-04	50050	1.700	2.000	1.097	1.29
MO0036757	31-Mar-04	50050	2.945	8.632	1.9	5.569
MO0036757	30-Apr-04	50050	3.156	11.007	2.036	7.101
MO0036757	31-May-04	50050	2.775	7.068	1.79	4.56
MO0036757	30-Jun-04	50050	2.015	3.875	1.3	2.5
MO0036757	31-Jul-04	50050	3.021	5.227	1.949	3.372
MO0036757	31-Aug-04	50050	1.860	5.775	1.200	3.726
MO0036757	30-Sep-04	50050	1.415	1.885	0.913	1.216
MO0036757	31-Oct-04	50050	1.579	3.512	1.019	2.266
MO0036757	30-Nov-04	50050	2.972	6.789	1.918	4.38
MO0036757	31-Dec-04	50050	3.363	7.983	2.170	5.15
MO0036757	31-Jan-05	50050	4.821	10.680	3.11	6.89
MO0036757	28-Feb-05	50050	2.961	4.945	1.91	3.19
MO0036757	31-Mar-05	50050	2.133	2.911	1.376	1.878
MO0036757	30-Apr-05	50050	2.914	5.971	1.88	3.852
MO0036757	31-May-05	50050	1.862	3.162	1.201	2.04
MO0036757	30-Jun-05	50050	1.700	2.661	1.097	1.717
MO0036757	31-Jul-05	50050	0.574	1.480	0.370	0.955
MO0036757	31-Aug-05	50050	1.155	2.096	0.745	1.352
MO0036757	30-Sep-05	50050	1.171	2.567	0.756	1.656
MO0036757	31-Oct-05	50050	1.147	2.533	0.740	1.634
MO0036757	30-Nov-05	50050	1.067	2.203	0.689	1.421
MO0036757	31-Dec-05	50050	0.953	1.493	0.615	0.963
MO0036773	30-Jun-99	50050	0.078	0.219	0.05	0.141
MO0036773	30-Jun-99	50050	0.326	0.694	0.21	0.448
MO0036773	30-Jun-99	50050	2.496	2.649	1.61	1.709
MO0036773	31-Jul-99	50050	0.233	0.834	0.15	0.538
MO0036773	31-Jul-99	50050	0.372	0.764	0.24	0.493
MO0036773	31-Jul-99	50050	2.248	2.525	1.45	1.629
MO0036773	31-Aug-99	50050	2.077	2.266	1.34	1.462
MO0036773	30-Sep-99	50050	2.155	2.474	1.39	1.596
MO0036773	31-Dec-99	50050	0.022	0.022	0.014	0.014
MO0036773	31-Dec-99	50050	0.031	0.181	0.02	0.117
MO0036773	31-Dec-99	50050	2.282	2.373	1.472	1.531
MO0036773	31-Jan-00	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jan-00	50050	2.186	2.277	1.41	1.469
MO0036773	30-Apr-00	50050	0.002	0.002	0.001	0.001
MO0036773	30-Apr-00	50050	2.387	2.387	1.54	1.54
MO0036773	31-May-00	50050	0.034	0.034	0.022	0.022
MO0036773	31-May-00	50050	2.279	2.279	1.47	1.47
MO0036773	30-Jun-00	50050	1.147	1.147	0.74	0.74
MO0036773	30-Jun-00	50050	1.271	1.271	0.82	0.82
MO0036773	30-Jun-00	50050	2.325	2.325	1.5	1.5
MO0036773	31-Jul-00	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jul-00	50050	0.033	0.033	0.021	0.021
MO0036773	31-Jul-00	50050	1.938	1.938	1.25	1.25
MO0036773	31-Aug-00	50050	0.0002	0.0002	0.0001	0.0001
MO0036773	31-Aug-00	50050	2.201	2.201	1.42	1.42
MO0036773	30-Sep-00	50050	0.002	0.002	0.001	0.001
MO0036773	30-Sep-00	50050	1.907	1.907	1.23	1.23
MO0036773	31-Oct-00	50050	0.002	0.002	0.001	0.001
MO0036773	31-Oct-00	50050	2.263	2.263	1.46	1.46
MO0036773	30-Nov-00	50050	0.002	0.002	0.001	0.001
MO0036773	30-Nov-00	50050	0.047	0.047	0.03	0.03
MO0036773	30-Nov-00	50050	2.325	2.325	1.5	1.5
MO0036773	31-Dec-00	50050	0.002	0.002	0.001	0.001
MO0036773	31-Dec-00	50050	2.331	2.331	1.504	1.504
MO0036773	31-Jan-01	50050	0.066	0.066	0.0426	0.0426
MO0036773	31-Jan-01	50050	0.248	0.248	0.16	0.16
MO0036773	31-Jan-01	50050	1.984	1.984	1.28	1.28
MO0036773	28-Feb-01	50050	0.062	0.062	0.0403	0.0403
MO0036773	28-Feb-01	50050	0.248	0.248	0.16	0.16
MO0036773	28-Feb-01	50050	2.325	2.325	1.5	1.5
MO0036773	31-Mar-01	50050	0.005	0.005	0.0034	0.0034
MO0036773	31-Mar-01	50050	0.124	0.124	0.08	0.08
MO0036773	31-Mar-01	50050	2.232	2.232	1.44	1.44
MO0036773	30-Apr-01	50050	0.002	0.002	0.001	0.001
MO0036773	30-Apr-01	50050	2.093	2.093	1.35	1.35
MO0036773	31-May-01	50050	0.002	0.002	0.001	0.001
MO0036773	31-May-01	50050	1.752	1.752	1.13	1.13
MO0036773	30-Jun-01	50050	0.002	0.002	0.001	0.001

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0036773	30-Jun-01	50050	2.170	2.170	1.4	1.4
MO0036773	31-Jul-01	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jul-01	50050	1.705	1.705	1.1	1.1
MO0036773	31-Aug-01	50050	1.827	2.553	1.179	1.647
MO0036773	30-Sep-01	50050	0.001	0.001	0.0005	0.0005
MO0036773	30-Sep-01	50050	0.016	0.016	0.01	0.01
MO0036773	30-Sep-01	50050	2.046	1.796	1.32	1.159
MO0036773	31-Oct-01	50050	0.002	0.002	0.001	0.001
MO0036773	31-Oct-01	50050	0.033	0.033	0.021	0.021
MO0036773	31-Oct-01	50050	2.356	2.356	1.52	1.52
MO0036773	30-Nov-01	50050	0.002	0.002	0.001	0.001
MO0036773	31-Dec-01	50050	0.006	0.006	0.004	0.004
MO0036773	31-Dec-01	50050	0.326	0.326	0.21	0.21
MO0036773	31-Dec-01	50050	2.418	2.418	1.56	1.56
MO0036773	31-Jan-02	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jan-02	50050	2.325	2.325	1.5	1.5
MO0036773	28-Feb-02	50050	0.002	0.002	0.001	0.001
MO0036773	28-Feb-02	50050	0.017	0.017	0.011	0.011
MO0036773	28-Feb-02	50050	2.260	2.260	1.458	1.458
MO0036773	31-Mar-02	50050	0.011	0.011	0.0073	0.0073
MO0036773	31-Mar-02	50050	0.130	0.130	0.084	0.084
MO0036773	31-Mar-02	50050	2.403	2.403	1.55	1.55
MO0036773	30-Apr-02	50050	0.002	0.002	0.001	0.001
MO0036773	30-Apr-02	50050	0.045	0.045	0.029	0.029
MO0036773	30-Apr-02	50050	2.759	2.759	1.78	1.78
MO0036773	31-May-02	50050	0.620	0.620	0.4	0.4
MO0036773	31-May-02	50050	2.480	2.480	1.6	1.6
MO0036773	30-Jun-02	50050	0.267	0.267	0.172	0.172
MO0036773	30-Jun-02	50050	0.445	0.445	0.287	0.287
MO0036773	30-Jun-02	50050	2.387	2.387	1.54	1.54
MO0036773	31-Jul-02	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jul-02	50050	2.356	2.356	1.52	1.52
MO0036773	31-Aug-02	50050	0.002	0.002	0.001	0.001
MO0036773	31-Aug-02	50050	2.155	2.155	1.39	1.39
MO0036773	30-Sep-02	50050	0.002	0.002	0.001	0.001
MO0036773	30-Sep-02	50050	2.356	2.356	1.52	1.52
MO0036773	31-Oct-02	50050	0.002	0.002	0.001	0.001
MO0036773	31-Oct-02	50050	0.651	0.651	0.42	0.42
MO0036773	31-Oct-02	50050	2.296	2.296	1.481	1.481
MO0036773	30-Nov-02	50050	0.002	0.002	0.001	0.001
MO0036773	30-Nov-02	50050	2.277	2.550	1.469	1.645
MO0036773	31-Dec-02	50050	0.002	0.002	0.001	0.001
MO0036773	31-Dec-02	50050	2.325	2.325	1.5	1.5
MO0036773	31-Jan-03	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jan-03	50050	2.292	2.292	1.479	1.479
MO0036773	28-Feb-03	50050	0.002	0.002	0.001	0.001
MO0036773	28-Feb-03	50050	2.573	2.573	1.66	1.66
MO0036773	31-Mar-03	50050	0.011	0.011	0.0073	0.0073
MO0036773	31-Mar-03	50050	0.130	0.130	0.084	0.084
MO0036773	31-Mar-03	50050	2.403	2.403	1.55	1.55
MO0036773	30-Apr-03	50050	0.002	0.002	0.001	0.001
MO0036773	30-Apr-03	50050	0.062	0.279	0.04	0.18
MO0036773	30-Apr-03	50050	2.434	2.914	1.57	1.88
MO0036773	31-May-03	50050	0.245	0.381	0.158	0.246
MO0036773	31-May-03	50050	0.550	0.918	0.355	0.592
MO0036773	31-May-03	50050	2.255	3.258	1.455	2.102
MO0036773	30-Jun-03	50050	0.150	0.150	0.0968	0.0968
MO0036773	30-Jun-03	50050	2.403	2.403	1.55	1.55
MO0036773	31-Jul-03	50050	2.201	2.806	1.42	1.81
MO0036773	31-Aug-03	50050	0.002	0.002	0.001	0.001
MO0036773	31-Aug-03	50050	2.046	2.046	1.32	1.32
MO0036773	30-Sep-03	50050	0.002	0.002	0.001	0.001
MO0036773	30-Sep-03	50050	2.155	2.155	1.39	1.39
MO0036773	31-Oct-03	50050	0.002	0.002	0.001	0.001
MO0036773	31-Oct-03	50050	2.232	2.688	1.44	1.734
MO0036773	30-Nov-03	50050	0.002	0.002	0.001	0.001
MO0036773	30-Nov-03	50050	2.651	2.999	1.71	1.935
MO0036773	31-Dec-03	50050	0.002	0.002	0.001	0.001
MO0036773	31-Dec-03	50050	2.170	2.170	1.4	1.4
MO0036773	31-Jan-04	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jan-04	50050	0.033	0.033	0.021	0.021
MO0036773	31-Jan-04	50050	2.263	2.263	1.46	1.46
MO0036773	29-Feb-04	50050	0.002	0.002	0.001	0.001

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0036773	29-Feb-04	50050	0.039	0.109	0.025	0.07
MO0036773	29-Feb-04	50050	2.536	3.142	1.636	2.027
MO0036773	31-Mar-04	50050	0.008	0.040	0.005	0.026
MO0036773	31-Mar-04	50050	0.595	1.686	0.384	1.088
MO0036773	31-Mar-04	50050	2.558	2.788	1.65	1.799
MO0036773	30-Apr-04	50050	0.002	0.002	0.001	0.001
MO0036773	30-Apr-04	50050	0.155	0.434	0.1	0.28
MO0036773	30-Apr-04	50050	2.728	3.091	1.76	1.994
MO0036773	31-May-04	50050	0.002	0.002	0.001	0.001
MO0036773	31-May-04	50050	0.225	0.321	0.145	0.207
MO0036773	31-May-04	50050	2.775	3.004	1.79	1.938
MO0036773	30-Jun-04	50050	0.002	0.002	0.001	0.001
MO0036773	30-Jun-04	50050	2.620	2.759	1.69	1.78
MO0036773	31-Jul-04	50050	0.002	0.002	0.001	0.001
MO0036773	31-Jul-04	50050	0.305	0.372	0.197	0.24
MO0036773	31-Jul-04	50050	2.232	2.308	1.44	1.489
MO0036773	31-Aug-04	50050	0.002	0.002	0.001	0.001
MO0036773	31-Aug-04	50050	2.294	2.294	1.48	1.48
MO0036773	30-Sep-04	50050	0.002	0.002	0.001	0.001
MO0036773	30-Sep-04	50050	2.511	2.745	1.62	1.771
MO0036773	31-Oct-04	50050	2.387	2.914	1.54	1.88
MO0036773	30-Nov-04	50050	0.028	0.109	0.0183	0.07
MO0036773	30-Nov-04	50050	0.295	2.604	0.19	1.68
MO0036773	30-Nov-04	50050	2.310	2.694	1.49	1.738
MO0036773	31-Dec-04	50050	0.033	0.115	0.021	0.074
MO0036773	31-Dec-04	50050	0.233	0.377	0.15	0.243
MO0036773	31-Dec-04	50050	2.604	2.784	1.68	1.796
MO0036773	31-Jan-05	50050	0.233	1.907	0.15	1.23
MO0036773	31-Jan-05	50050	0.341	2.496	0.22	1.61
MO0036773	31-Jan-05	50050	2.558	3.092	1.65	1.995
MO0036773	28-Feb-05	50050	0.002	0.002	0.001	0.001
MO0036773	28-Feb-05	50050	2.713	2.837	1.75	1.83
MO0036773	31-Mar-05	50050	2.542	2.878	1.64	1.857
MO0036773	30-Apr-05	50050	2.465	3.054	1.59	1.97
MO0036773	31-May-05	50050	0.002	0.002	0.001	0.001
MO0036773	31-May-05	50050	2.031	2.429	1.31	1.567
MO0036773	30-Jun-05	50050	0.002	0.002	0.001	0.001
MO0036773	30-Jun-05	50050	1.969	1.969	1.27	1.27
MO0036773	31-Jul-05	50050	2.175	2.585	1.403	1.668
MO0036773	31-Aug-05	50050	0.002	0.002	0.001	0.001
MO0036773	31-Aug-05	50050	2.387	3.395	1.54	2.19
MO0036773	30-Sep-05	50050	1.824	54.746	1.177	35.32
MO0036773	31-Oct-05	50050	0.002	0.002	0.001	0.001
MO0036773	31-Oct-05	50050	2.434	2.702	1.57	1.743
MO0036773	30-Nov-05	50050	0.002	0.002	0.001	0.001
MO0036773	30-Nov-05	50050	2.341	2.375	1.51	1.532
MO0036773	31-Dec-05	50050	0.002	0.002	0.001	0.001
MO0036773	31-Dec-05	50050	2.449	2.802	1.58	1.808
MO0039136	31-Jul-99	50050	0.775	1.240	0.5	0.8
MO0039136	31-Dec-99	50050	0.008	0.016	0.005	0.01
MO0039136	31-Jan-00	50050	5.038	7.037	3.25	4.54
MO0039136	29-Feb-00	50050	5.239	9.021	3.38	5.82
MO0039136	31-Mar-00	50050	6.510	6.867	4.2	4.43
MO0039136	30-Apr-00	50050	5.146	5.146	3.32	3.32
MO0039136	31-May-00	50050	6.526	13.082	4.21	8.44
MO0039136	30-Sep-00	50050	4.836	7.099	3.12	4.58
MO0039136	31-Oct-00	50050	4.619	4.619	2.98	2.98
MO0039136	30-Nov-00	50050	6.588	9.672	4.25	6.24
MO0039136	31-Dec-00	50050	4.542	6.138	2.93	3.96
MO0039136	31-Jan-01	50050	6.510	6.510	4.2	4.2
MO0039136	28-Feb-01	50050	9.533	18.647	6.15	12.03
MO0039136	31-Mar-01	50050	7.022	11.610	4.53	7.49
MO0039136	30-Apr-01	50050	5.782	10.339	3.73	6.67
MO0039136	31-May-01	50050	5.162	7.843	3.33	5.06
MO0039136	30-Jun-01	50050	5.890	12.292	3.8	7.93
MO0039136	31-Jul-01	50050	4.557	8.773	2.94	5.66
MO0039136	31-Aug-01	50050	4.511	7.146	2.91	4.61
MO0039136	30-Sep-01	50050	4.867	6.650	3.14	4.29
MO0039136	31-Oct-01	50050	5.332	17.267	3.44	11.14
MO0039136	30-Nov-01	50050	6.417	12.493	4.14	8.06
MO0039136	31-Dec-01	50050	6.092	12.183	3.93	7.86
MO0039136	31-Jan-02	50050	5.394	15.748	3.48	10.16
MO0039136	28-Feb-02	50050	7.130	18.755	4.6	12.1

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0039136	31-Mar-02	50050	7.471	11.191	4.82	7.22
MO0039136	30-Apr-02	50050	8.758	19.546	5.65	12.61
MO0039136	31-May-02	50050	14.276	22.599	9.21	14.58
MO0039136	30-Jun-02	50050	7.998	17.283	5.16	11.15
MO0039136	31-Jul-02	50050	5.611	8.432	3.62	5.44
MO0039136	31-Aug-02	50050	5.534	7.239	3.57	4.67
MO0039136	30-Sep-02	50050	5.131	6.448	3.31	4.16
MO0039136	31-Oct-02	50050	5.022	9.006	3.24	5.81
MO0039136	30-Nov-02	50050	4.852	5.859	3.13	3.78
MO0039136	31-Dec-02	50050	5.534	8.727	3.57	5.63
MO0039136	31-Jan-03	50050	5.146	7.394	3.32	4.77
MO0039136	28-Feb-03	50050	6.045	10.029	3.9	6.47
MO0039136	31-Mar-03	50050	6.851	11.114	4.42	7.17
MO0039136	30-Apr-03	50050	6.619	10.773	4.27	6.95
MO0039136	31-May-03	50050	7.316	13.129	4.72	8.47
MO0039136	30-Jun-03	50050	5.859	7.177	3.78	4.63
MO0039136	31-Jul-03	50050	5.813	14.973	3.75	9.66
MO0039136	31-Aug-03	50050	5.193	7.177	3.35	4.63
MO0039136	30-Sep-03	50050	6.975	14.090	4.5	9.09
MO0039136	31-Oct-03	50050	5.162	6.727	3.33	4.34
MO0039136	30-Nov-03	50050	5.301	12.199	3.42	7.87
MO0039136	31-Dec-03	50050	7.657	10.726	4.94	6.92
MO0039136	31-Jan-04	50050	7.843	16.942	5.06	10.93
MO0039136	29-Feb-04	50050	6.758	8.107	4.36	5.23
MO0039136	31-Mar-04	50050	8.680	18.058	5.6	11.65
MO0039136	30-Apr-04	50050	7.735	16.446	4.99	10.61
MO0039136	31-May-04	50050	7.456	19.189	4.81	12.38
MO0039136	30-Jun-04	50050	6.166	9.843	3.978	6.35
MO0039136	31-Jul-04	50050	7.516	16.264	4.849	10.493
MO0039136	31-Aug-04	50050	5.441	7.933	3.51	5.118
MO0039136	30-Sep-04	50050	4.929	6.014	3.18	3.88
MO0039136	31-Oct-04	50050	5.503	12.354	3.55	7.97
MO0039136	30-Nov-04	50050	10.308	17.996	6.65	11.61
MO0039136	31-Dec-04	50050	8.618	18.135	5.56	11.7
MO0039136	31-Jan-05	50050	10.587	24.909	6.83	16.07
MO0039136	28-Feb-05	50050	8.463	13.113	5.46	8.46
MO0039136	31-Mar-05	50050	6.588	9.827	4.25	6.34
MO0039136	30-Apr-05	50050	6.138	9.099	3.96	5.87
MO0039136	31-May-05	50050	5.131	8.122	3.31	5.24
MO0039136	30-Jun-05	50050	4.898	8.525	3.16	5.5
MO0039136	31-Jul-05	50050	5.038	6.743	3.25	4.35
MO0039136	31-Aug-05	50050	5.596	9.874	3.61	6.37
MO0039136	30-Sep-05	50050	6.200	9.781	4	6.31
MO0039136	31-Oct-05	50050	3.984	4.929	2.57	3.18
MO0039136	30-Nov-05	50050	4.464	8.696	2.88	5.61
MO0039136	31-Dec-05	50050	4.077	5.456	2.63	3.52
MO0039926	31-Oct-99	50050	0.0002	0.0002	0.000124	0.000124
MO0039926	31-Mar-00	50050	1.705	1.705	1.1	1.1
MO0039926	30-Apr-00	50050	1.240	1.240	0.8	0.8
MO0039926	31-May-00	50050	0.775	0.775	0.5	0.5
MO0039926	31-Aug-00	50050	0.775	2.325	0.5	1.5
MO0039926	30-Sep-00	50050	18.755	18.755	12.1	12.1
MO0039926	31-Oct-00	50050	0.775	1.085	0.5	0.7
MO0039926	31-Mar-01	50050	1.008	1.085	0.65	0.7
MO0039926	30-Apr-01	50050	0.797	1.240	0.514	0.8
MO0039926	31-May-01	50050	1.116	1.116	0.72	0.72
MO0039926	30-Jun-01	50050	1.504	2.480	0.97	1.6
MO0039926	31-Jul-01	50050	0.822	0.822	0.53	0.53
MO0039926	31-Aug-01	50050	1.014	2.015	0.654	1.3
MO0039926	30-Sep-01	50050	0.837	1.240	0.54	0.8
MO0039926	30-Nov-01	50050	1.860	4.960	1.2	3.2
MO0039926	30-Apr-02	50050	1.240	1.395	0.8	0.9
MO0039926	30-Jun-02	50050	0.930	2.790	0.6	1.8
MO0039926	31-Jul-02	50050	1.085		0.7	
MO0039926	31-Aug-02	50050	0.775	1.240	0.5	0.8
MO0039926	30-Sep-02	50050	0.930	1.085	0.6	0.7
MO0039926	31-Oct-02	50050	0.853	1.085	0.55	0.7
MO0039926	30-Apr-03	50050	1.938	2.480	1.25	1.6
MO0039926	31-May-03	50050	1.132	2.790	0.73	1.8
MO0039926	30-Jun-03	50050	1.550	4.185	1	2.7
MO0039926	31-Jul-03	50050	0.930	1.550	0.6	1
MO0039926	30-Sep-03	50050	1.085	1.705	0.7	1.1
MO0039926	31-Oct-03	50050	0.853	1.705	0.55	1.1

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0039926	31-Oct-03	50050	2.697	3.565	1.74	2.3
MO0039926	31-Jul-04	50050	1.147	2.170	0.74	1.4
MO0039926	31-Aug-04	50050	0.915	1.860	0.59	1.2
MO0039926	30-Sep-04	50050	0.775	1.085	0.5	0.7
MO0039926	31-Oct-04	50050	0.930	1.085	0.6	0.7
MO0039926	30-Apr-05	50050	0.977	1.085	0.63	0.7
MO0039926	31-May-05	50050	0.775	0.775	0.5	0.5
MO0039926	31-Jul-05	50050	0.930	0.930	0.6	0.6
MO0039926	31-Aug-05	50050	0.775	1.240	0.5	0.8
MO0039926	30-Sep-05	50050	0.775	1.550	0.5	1
MO0040185	31-Jul-99	50050	0.109	114.235	0.07	73.7
MO0040185	31-Jul-99	50050	3.565	7.905	2.3	5.1
MO0040185	31-Oct-99	50050	2.542	0.992	1.64	0.64
MO0040185	31-Dec-99	50050	0.003	0.008	0.002	0.005
MO0040185	31-Jan-00	50050	0.915	1.065	0.59	0.687
MO0040185	29-Feb-00	50050	3.540	6.594	2.284	4.254
MO0040185	30-Apr-00	50050	2.480	3.875	1.6	2.5
MO0040185	31-May-00	50050	3.953	8.048	2.55	5.192
MO0040185	30-Jun-00	50050	4.185	7.595	2.7	4.9
MO0040185	31-Jul-00	50050	3.100	5.270	2	3.4
MO0040185	31-Aug-00	50050	2.325	2.987	1.5	1.927
MO0040185	30-Sep-00	50050	2.480	3.441	1.6	2.22
MO0040185	31-Oct-00	50050	2.992	6.367	1.93	4.108
MO0040185	30-Nov-00	50050	3.612	5.687	2.33	3.669
MO0040185	31-Dec-00	50050	3.054	4.441	1.97	2.865
MO0040185	31-Jan-01	50050	3.720	7.790	2.4	5.026
MO0040185	28-Feb-01	50050	5.580	7.533	3.6	4.86
MO0040185	31-Mar-01	50050	0.930	1.411	0.6	0.91
MO0040185	31-Mar-01	50050	3.754	5.363	2.422	3.46
MO0040185	30-Apr-01	50050	4.562	6.203	2.943	4.002
MO0040185	31-May-01	50050	3.472	6.045	2.24	3.9
MO0040185	30-Jun-01	50050	4.309	7.744	2.78	4.996
MO0040185	31-Jul-01	50050	2.804	5.441	1.809	3.51
MO0040185	31-Aug-01	50050	2.830	3.129	1.826	2.019
MO0040185	30-Sep-01	50050	2.933	3.835	1.892	2.474
MO0040185	31-Oct-01	50050	3.720	8.215	2.4	5.3
MO0040185	30-Nov-01	50050	3.832	8.151	2.472	5.259
MO0040185	31-Dec-01	50050	4.388	7.950	2.831	5.129
MO0040185	31-Jan-02	50050	3.635	10.075	2.345	6.5
MO0040185	28-Feb-02	50050	5.045	8.192	3.255	5.285
MO0040185	31-Mar-02	50050	4.940	7.290	3.187	4.703
MO0040185	30-Apr-02	50050	4.555	7.961	2.939	5.136
MO0040185	31-May-02	50050	2.035	5.735	1.313	3.7
MO0040185	31-May-02	50050	6.332	8.302	4.085	5.356
MO0040185	30-Jun-02	50050	1.928	3.565	1.244	2.3
MO0040185	30-Jun-02	50050	4.190	8.581	2.703	5.536
MO0040185	31-Jul-02	50050	3.686	5.554	2.378	3.583
MO0040185	31-Aug-02	50050	2.689	3.550	1.735	2.29
MO0040185	30-Sep-02	50050	2.429	3.929	1.567	2.535
MO0040185	31-Oct-02	50050	2.292	3.399	1.479	2.193
MO0040185	30-Nov-02	50050	2.523	3.033	1.628	1.957
MO0040185	31-Dec-02	50050	3.387	4.551	2.185	2.936
MO0040185	31-Jan-03	50050	3.033	3.695	1.957	2.384
MO0040185	28-Feb-03	50050	3.914	6.653	2.525	4.292
MO0040185	31-Mar-03	50050	4.514	7.277	2.912	4.695
MO0040185	30-Apr-03	50050	3.915	5.349	2.526	3.451
MO0040185	31-May-03	50050	3.994	5.689	2.577	3.67
MO0040185	30-Jun-03	50050	3.542	7.665	2.285	4.945
MO0040185	31-Jul-03	50050	3.373	7.105	2.176	4.584
MO0040185	31-Aug-03	50050	2.640	5.036	1.703	3.249
MO0040185	30-Sep-03	50050	3.519	7.917	2.27	5.108
MO0040185	31-Oct-03	50050	2.993	4.307	1.931	2.779
MO0040185	30-Nov-03	50050	3.078	5.817	1.986	3.753
MO0040185	31-Dec-03	50050	5.231	8.020	3.375	5.174
MO0040185	31-Jan-04	50050	6.367	7.471	4.108	4.82
MO0040185	29-Feb-04	50050	4.131	4.940	2.665	3.187
MO0040185	31-Mar-04	50050	5.448	8.196	3.515	5.288
MO0040185	30-Apr-04	50050	5.456	7.928	3.52	5.115
MO0040185	31-May-04	50050	5.309	7.420	3.425	4.787
MO0040185	30-Jun-04	50050	3.774	5.950	2.435	3.839
MO0040185	31-Jul-04	50050	4.511	6.929	2.91	4.47
MO0040185	31-Aug-04	50050	2.835	3.948	1.829	2.547
MO0040185	30-Sep-04	50050	2.620	3.154	1.69	2.035

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0040185	31-Oct-04	50050	3.333	5.749	2.15	3.709
MO0040185	30-Nov-04	50050	6.388	7.886	4.121	5.088
MO0040185	31-Dec-04	50050	0.488	0.844	0.3151	0.5447
MO0040185	31-Jan-05	50050	6.014	9.750	3.88	6.29
MO0040185	28-Feb-05	50050	5.341	7.333	3.446	4.731
MO0040185	31-Mar-05	50050	3.625	4.408	2.339	2.844
MO0040185	30-Apr-05	50050	4.101	5.780	2.646	3.729
MO0040185	31-May-05	50050	3.429	6.242	2.212	4.027
MO0040185	30-Jun-05	50050	3.258	5.540	2.102	3.574
MO0040185	31-Jul-05	50050	2.655	3.018	1.713	1.947
MO0040185	30-Sep-05	50050	1.924	3.994	1.241	2.577
MO0040185	31-Oct-05	50050	1.550	1.705	1	1.1
MO0040185	30-Nov-05	50050	1.561	1.699	1.007	1.096
MO0040185	31-Dec-05	50050	1.569	1.666	1.012	1.075
MO0103349	31-Jul-99	50050	15.500	26.350	10	17
MO0103349	31-Oct-99	50050	0.0001	0.0001	0.000064	0.000064
MO0103349	29-Feb-00	50050	12.710	22.785	8.2	14.7
MO0103349	31-Mar-00	50050	15.035	21.855	9.7	14.1
MO0103349	30-Apr-00	50050	12.710	17.670	8.2	11.4
MO0103349	31-Aug-00	50050	10.695	12.555	6.9	8.1
MO0103349	30-Sep-00	50050	9.765	13.950	6.3	9
MO0103349	30-Sep-00	50050	9.889	13.950	6.38	9
MO0103349	30-Nov-00	50050	11.904	18.135	7.68	11.7
MO0103349	30-Nov-00	50050	13.950	18.135	9	11.7
MO0103349	31-Dec-00	50050	11.114	18.600	7.17	12
MO0103349	31-Jan-01	50050	13.284	26.040	8.57	16.8
MO0103349	28-Feb-01	50050	19.995	24.180	12.9	15.6
MO0103349	31-Mar-01	50050	15.361	22.320	9.91	14.4
MO0103349	30-Apr-01	50050	15.469	19.375	9.98	12.5
MO0103349	31-May-01	50050	13.640	20.150	8.8	13
MO0103349	31-May-01	50050	13.687	20.150	8.83	13
MO0103349	30-Jun-01	50050	16.585	24.490	10.7	15.8
MO0103349	30-Jun-01	50050	16.740	24.490	10.8	15.8
MO0103349	31-Jul-01	50050	11.095	15.500	7.158	10
MO0103349	31-Aug-01	50050	11.269	13.950	7.27	9
MO0103349	30-Sep-01	50050	11.966	22.940	7.72	14.8
MO0103349	31-Oct-01	50050	14.245	31.000	9.19	20
MO0103349	30-Nov-01	50050	12.540	25.003	8.09	16.131
MO0103349	30-Nov-01	50050	12.546	25.003	8.094	16.131
MO0103349	31-Dec-01	50050	14.338	27.998	9.25	18.063
MO0103349	31-Jan-02	50050	11.079	27.644	7.148	17.835
MO0103349	28-Feb-02	50050	15.500	26.862	10	17.33
MO0103349	31-Mar-02	50050	15.516	25.502	10.01	16.453
MO0103349	31-Mar-02	50050	15.810	25.498	10.2	16.45
MO0103349	30-Apr-02	50050	14.023	17.436	9.047	11.249
MO0103349	31-May-02	50050	23.820	31.155	15.368	20.1
MO0103349	30-Jun-02	50050	21.243	31.953	13.705	20.615
MO0103349	31-Jul-02	50050	11.679	18.115	7.535	11.687
MO0103349	31-Aug-02	50050	8.961	12.312	5.781	7.943
MO0103349	30-Sep-02	50050	8.899	16.320	5.741	10.529
MO0103349	30-Nov-02	50050	8.668	11.234	5.592	7.248
MO0103349	31-Dec-02	50050	11.027	20.432	7.114	13.182
MO0103349	31-Jan-03	50050	9.782	12.499	6.311	8.064
MO0103349	28-Feb-03	50050	13.180	27.652	8.503	17.84
MO0103349	31-Mar-03	50050	15.371	29.585	9.917	19.087
MO0103349	30-Apr-03	50050	12.347	21.196	7.966	13.675
MO0103349	31-May-03	50050	12.619	21.773	8.141	14.047
MO0103349	30-Jun-03	50050	11.675	25.665	7.532	16.558
MO0103349	31-Jul-03	50050	12.967	20.122	8.366	12.982
MO0103349	31-Aug-03	50050	11.166	20.745	7.204	13.384
MO0103349	30-Sep-03	50050	13.186	29.808	8.507	19.231
MO0103349	31-Oct-03	50050	11.644	17.868	7.512	11.528
MO0103349	30-Nov-03	50050	12.245	22.963	7.9	14.815
MO0103349	30-Nov-03	50050	12.316	22.963	7.946	14.815
MO0103349	31-Dec-03	50050	19.135	28.647	12.345	18.482
MO0103349	31-Jan-04	50050	18.755	33.415	12.1	21.558
MO0103349	29-Feb-04	50050	16.363	23.757	10.557	15.327
MO0103349	31-Mar-04	50050	0.022	0.036	0.014	0.023
MO0103349	30-Apr-04	50050	22.119	22.119	14.27	14.27
MO0103349	31-May-04	50050	21.540	30.529	13.897	19.696
MO0103349	30-Jun-04	50050	14.868	27.818	9.592	17.947
MO0103349	31-Jul-04	50050	19.409	41.413	12.522	26.718
MO0103349	31-Aug-04	50050	10.788	17.396	6.96	11.223

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0103349	30-Sep-04	50050	9.875	13.068	6.371	8.431
MO0103349	31-Oct-04	50050	12.400	20.336	8	13.12
MO0103349	30-Nov-04	50050	21.164	29.591	13.654	19.091
MO0103349	31-Dec-04	50050	17.236	25.947	11.12	16.74
MO0103349	31-Dec-04	50050	17.407	25.947	11.23	16.74
MO0103349	31-Jan-05	50050	1.068	1.421	0.689	0.917
MO0103349	31-Jan-05	50050	21.514	29.357	13.88	18.94
MO0103349	28-Feb-05	50050	19.484	26.009	12.57	16.78
MO0103349	31-Mar-05	50050	12.478	14.706	8.05	9.488
MO0103349	30-Apr-05	50050	14.142	20.688	9.124	13.347
MO0103349	31-May-05	50050	11.543	16.709	7.447	10.78
MO0103349	30-Jun-05	50050	11.589	15.305	7.477	9.874
MO0103349	31-Jul-05	50050	12.051	16.943	7.775	10.931
MO0103349	31-Aug-05	50050	11.365	21.658	7.332	13.973
MO0103349	30-Sep-05	50050	10.766	17.385	6.946	11.216
MO0103349	31-Oct-05	50050	9.218	14.852	5.947	9.582
MO0103349	30-Nov-05	50050	9.982	13.516	6.44	8.72
MO0103349	31-Dec-05	50050	9.453	10.191	6.099	6.575
MO0104906	31-Jul-99	50050	4.030	7.750	2.6	5
MO0104906	31-Oct-99	50050	0.0003	0.0003	0.000167	0.000167
MO0104906	31-Jan-00	50050	2.403	2.945	1.55	1.9
MO0104906	29-Feb-00	50050	2.945	5.270	1.9	3.4
MO0104906	30-Apr-00	50050	3.488	3.875	2.25	2.5
MO0104906	31-May-00	50050	4.650	8.680	3	5.6
MO0104906	31-Aug-00	50050	3.410	4.030	2.2	2.6
MO0104906	30-Sep-00	50050	2.790	4.030	1.8	2.6
MO0104906	31-Oct-00	50050	3.100	4.030	2	2.6
MO0104906	31-Dec-00	50050	2.403	3.255	1.55	2.1
MO0104906	31-Jan-01	50050	2.635	6.355	1.7	4.1
MO0104906	28-Feb-01	50050	3.720	6.665	2.4	4.3
MO0104906	31-Mar-01	50050	3.100	4.030	2	2.6
MO0104906	30-Apr-01	50050	2.480	3.410	1.6	2.2
MO0104906	31-May-01	50050	2.509	3.100	1.619	2
MO0104906	30-Jun-01	50050	3.054	4.495	1.97	2.9
MO0104906	31-Jul-01	50050	2.434	5.115	1.57	3.3
MO0104906	31-Aug-01	50050	2.344	2.945	1.512	1.9
MO0104906	30-Sep-01	50050	2.434	3.410	1.57	2.2
MO0104906	30-Nov-01	50050	2.434	3.875	1.57	2.5
MO0104906	31-Dec-01	50050	2.883	5.425	1.86	3.5
MO0104906	31-Jan-02	50050	2.666	7.285	1.72	4.7
MO0104906	31-Mar-02	50050	3.426	3.426	2.21	2.21
MO0104906	30-Apr-02	50050	2.976	3.875	1.92	2.5
MO0104906	31-May-02	50050	5.084	9.455	3.28	6.1
MO0104906	30-Jun-02	50050	3.798	7.285	2.45	4.7
MO0104906	31-Jul-02	50050	2.883	4.185	1.86	2.7
MO0104906	31-Aug-02	50050	2.325	3.255	1.5	2.1
MO0104906	30-Sep-02	50050	2.449	4.495	1.58	2.9
MO0104906	31-Oct-02	50050	2.527	4.340	1.63	2.8
MO0104906	30-Nov-02	50050	2.496	3.100	1.61	2
MO0104906	31-Dec-02	50050	2.713	4.340	1.75	2.8
MO0104906	31-Jan-03	50050	2.527	3.410	1.63	2.2
MO0104906	28-Feb-03	50050	2.728	3.720	1.76	2.4
MO0104906	31-Mar-03	50050	3.395	5.580	2.19	3.6
MO0104906	30-Apr-03	50050	3.023	3.720	1.95	2.4
MO0104906	31-May-03	50050	3.054	4.030	1.97	2.6
MO0104906	30-Jun-03	50050	4.325	8.060	2.79	5.2
MO0104906	31-Jul-03	50050	3.109	4.495	2.006	2.9
MO0104906	31-Aug-03	50050	2.434	3.875	1.57	2.5
MO0104906	30-Sep-03	50050	2.589	4.340	1.67	2.8
MO0104906	31-Oct-03	50050	2.635	3.565	1.7	2.3
MO0104906	30-Nov-03	50050	2.635	3.720	1.7	2.4
MO0104906	31-Dec-03	50050	3.100	4.495	2	2.9
MO0104906	31-Jan-04	50050	3.317	6.510	2.14	4.2
MO0104906	29-Feb-04	50050	3.131	4.030	2.02	2.6
MO0104906	31-Mar-04	50050	4.108	7.440	2.65	4.8
MO0104906	30-Apr-04	50050	4.309	8.370	2.78	5.4
MO0104906	31-May-04	50050	3.875	5.890	2.5	3.8
MO0104906	30-Jun-04	50050	3.457	6.820	2.23	4.4
MO0104906	31-Jul-04	50050	4.480	7.130	2.89	4.6
MO0104906	31-Aug-04	50050	2.790	4.030	1.8	2.6
MO0104906	30-Sep-04	50050	2.480	3.565	1.6	2.3
MO0104906	31-Oct-04	50050	2.635	5.115	1.7	3.3
MO0104906	30-Nov-04	50050	3.720	5.890	2.4	3.8

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
MO0104906	31-Dec-04	50050	3.720	6.355	2.4	4.1
MO0104906	31-Jan-05	50050	4.805	10.850	3.1	7
MO0104906	28-Feb-05	50050	3.720	4.805	2.4	3.1
MO0104906	31-Mar-05	50050	3.565	6.975	2.3	4.5
MO0104906	30-Apr-05	50050	3.193	4.030	2.06	2.6
MO0104906	31-May-05	50050	2.945	5.270	1.9	3.4
MO0104906	30-Jun-05	50050	3.100	4.960	2	3.2
MO0104906	31-Jul-05	50050	3.100	6.820	2	4.4
MO0104906	31-Aug-05	50050	2.635	3.100	1.7	2
MO0104906	30-Sep-05	50050	2.790	4.340	1.8	2.8
MO0104906	31-Oct-05	50050	2.480	3.565	1.6	2.3
MO0104906	30-Nov-05	50050	2.790	4.650	1.8	3
OK0031798	31-Jan-98	50050	4.275	8.175	2.758	5.274
OK0031798	28-Feb-98	50050	2.508	3.655	1.618	2.358
OK0031798	31-Mar-98	50050	4.483	8.164	2.892	5.267
OK0031798	30-Apr-98	50050	3.049	6.236	1.967	4.023
OK0031798	31-May-98	50050	2.984	5.402	1.925	3.485
OK0031798	30-Jun-98	50050	1.908	2.775	1.231	1.79
OK0031798	31-Jul-98	50050	1.603	3.015	1.034	1.945
OK0031798	31-Aug-98	50050	1.652	2.327	1.066	1.501
OK0031798	30-Sep-98	50050	2.455	4.249	1.584	2.741
OK0031798	31-Oct-98	50050	3.241	6.053	2.091	3.905
OK0031798	30-Nov-98	50050	3.430	5.836	2.213	3.765
OK0031798	31-Dec-98	50050	2.784	4.151	1.796	2.678
OK0031798	31-Jan-99	50050	2.737	5.169	1.766	3.335
OK0031798	28-Feb-99	50050	2.886	5.611	1.862	3.62
OK0031798	31-Mar-99	50050	3.988	5.902	2.573	3.808
OK0031798	30-Apr-99	50050	3.470	6.285	2.239	4.055
OK0031798	31-May-99	50050	4.106	6.051	2.649	3.904
OK0031798	30-Jun-99	50050	4.345	9.254	2.803	5.97
OK0031798	31-Jul-99	50050	3.235	9.167	2.087	5.914
OK0031798	31-Aug-99	50050	1.671	2.142	1.078	1.382
OK0031798	30-Sep-99	50050	1.725	2.993	1.113	1.931
OK0031798	31-Oct-99	50050	1.463	1.886	0.944	1.217
OK0031798	30-Nov-99	50050	1.655	2.881	1.068	1.859
OK0031798	31-Dec-99	50050	2.926	5.650	1.888	3.645
OK0031798	31-Jan-00	50050	2.430	3.391	1.568	2.188
OK0031798	29-Feb-00	50050	2.207	4.289	1.424	2.767
OK0031798	31-Mar-00	50050	5.017	6.606	3.237	4.262
OK0031798	30-Apr-00	50050	2.985	4.602	1.926	2.969
OK0031798	31-May-00	50050	4.233	6.795	2.731	4.384
OK0031798	30-Jun-00	50050	5.053	7.603	3.26	4.905
OK0031798	31-Jul-00	50050	3.536	5.552	2.281	3.582
OK0031798	31-Aug-00	50050	2.390	2.993	1.542	1.931
OK0031798	30-Sep-00	50050	1.473	2.223	0.95	1.434
OK0031798	31-Oct-00	50050	1.516	3.021	0.978	1.949
OK0031798	30-Nov-00	50050	1.869	3.664	1.206	2.364
OK0031798	31-Dec-00	50050	1.733	2.554	1.118	1.648
OK0031798	31-Jan-01	50050	2.771	5.044	1.788	3.254
OK0031798	28-Feb-01	50050	4.768	8.100	3.076	5.226
OK0031798	31-Mar-01	50050	3.202	5.431	2.066	3.504
OK0031798	30-Apr-01	50050	2.761	4.354	1.781	2.809
OK0031798	31-May-01	50050	2.037	3.207	1.314	2.069
OK0031798	30-Jun-01	50050	4.132	7.273	2.666	4.692
OK0031798	31-Jul-01	50050	2.651	3.966	1.71	2.559
OK0031798	31-Aug-01	50050	2.029	2.548	1.309	1.644
OK0031798	30-Sep-01	50050	1.841	3.401	1.188	2.194
OK0031798	31-Oct-01	50050	2.633	4.648	1.699	2.999
OK0031798	30-Nov-01	50050	1.538	1.769	0.992	1.141
OK0031798	31-Dec-01	50050	2.227	4.329	1.437	2.793
OK0031798	31-Jan-02	50050	2.065	5.050	1.332	3.258
OK0031798	28-Feb-02	50050	2.717	5.050	1.753	3.258
OK0031798	31-Mar-02	50050	3.517	5.589	2.269	3.606
OK0031798	30-Apr-02	50050	3.157	4.794	2.037	3.093
OK0031798	31-May-02	50050	4.797	7.735	3.095	4.99
OK0031798	30-Jun-02	50050	3.519	3.455	2.27	2.229
OK0031798	31-Jul-02	50050	2.770	6.115	1.787	3.945
OK0031798	31-Aug-02	50050	2.272	4.210	1.466	2.716
OK0031798	30-Sep-02	50050	1.993	3.540	1.286	2.284
OK0031798	31-Oct-02	50050	1.745	2.751	1.126	1.775
OK0031798	30-Nov-02	50050	1.626	2.145	1.049	1.384
OK0031798	31-Dec-02	50050	2.021	3.498	1.304	2.257
OK0031798	31-Jan-03	50050	1.638	2.012	1.057	1.298

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
OK0031798	28-Feb-03	50050	2.300	4.199	1.484	2.709
OK0031798	31-Mar-03	50050	2.787	3.802	1.798	2.453
OK0031798	30-Apr-03	50050	3.114	3.790	2.009	2.445
OK0031798	31-May-03	50050	4.219	5.191	2.722	3.349
OK0031798	30-Jun-03	50050	3.292	4.935	2.124	3.184
OK0031798	31-Jul-03	50050	2.829	3.996	1.825	2.578
OK0031798	31-Aug-03	50050	2.226	4.805	1.436	3.1
OK0031798	30-Sep-03	50050	2.607	4.650	1.682	3
OK0031798	31-Oct-03	50050	2.621	4.625	1.691	2.984
OK0031798	30-Nov-03	50050	2.437	4.266	1.572	2.752
OK0031798	31-Dec-03	50050	2.863	6.236	1.847	4.023
OK0031798	31-Jan-04	50050	3.801	9.455	2.452	6.1
OK0031798	29-Feb-04	50050	3.674	5.343	2.37	3.447
OK0031798	31-Mar-04	50050	6.169	12.488	3.98	8.057
OK0031798	30-Apr-04	50050	5.141	7.762	3.317	5.008
OK0031798	31-May-04	50050	5.193	8.998	3.35	5.805
OK0031798	30-Jun-04	50050	3.229	6.581	2.083	4.246
OK0031798	31-Jul-04	50050	3.988	7.882	2.573	5.085
OK0031798	31-Aug-04	50050	2.361	3.948	1.523	2.547
OK0031798	30-Sep-04	50050	2.277	3.463	1.469	2.234
OK0031798	31-Oct-04	50050	2.821	5.186	1.82	3.346
OK0031798	30-Nov-04	50050	4.517	6.408	2.914	4.134
OK0031798	31-Dec-04	50050	3.718	6.646	2.399	4.288
OK0031798	31-Jan-05	50050	5.608	11.304	3.618	7.293
OK0031798	28-Feb-05	50050	5.575	7.406	3.597	4.778
OK0031798	31-Mar-05	50050	3.247	4.325	2.095	2.79
OK0031798	30-Apr-05	50050	3.903	6.795	2.518	4.384
OK0031798	31-May-05	50050	2.799	4.050	1.806	2.613
OK0031798	30-Jun-05	50050	3.054	6.189	1.97	3.993
OK0031798	31-Jul-05	50050	2.545	3.751	1.642	2.42
OK0031798	31-Aug-05	50050	2.657	5.882	1.714	3.795
OK0031798	30-Sep-05	50050	2.635	5.456	1.7	3.52
OK0031798	31-Oct-05	50050	2.006	2.982	1.294	1.924
OK0031798	30-Nov-05	50050	2.018	3.055	1.302	1.971
OK0031798	31-Dec-05	50050	1.876	2.037	1.21	1.314
OK0031976	31-Jan-98	50050	2.131	4.684	1.375	3.022
OK0031976	28-Feb-98	50050	1.246	1.552	0.804	1.001
OK0031976	31-Mar-98	50050	2.089	4.771	1.348	3.078
OK0031976	30-Apr-98	50050	1.496	1.804	0.965	1.164
OK0031976	31-May-98	50050	1.339	1.612	0.864	1.04
OK0031976	30-Jun-98	50050	1.380	1.638	0.89	1.057
OK0031976	31-Jul-98	50050	1.266	1.435	0.817	0.926
OK0031976	31-Aug-98	50050	1.390	2.866	0.897	1.849
OK0031976	30-Sep-98	50050	1.490	3.904	0.961	2.519
OK0031976	31-Oct-98	50050	1.556	4.016	1.004	2.591
OK0031976	30-Nov-98	50050	1.559	5.076	1.006	3.275
OK0031976	31-Dec-98	50050	1.539	2.728	0.993	1.76
OK0031976	31-Jan-99	50050	1.344	1.815	0.867	1.171
OK0031976	28-Feb-99	50050	1.747	4.554	1.127	2.938
OK0031976	31-Mar-99	50050	1.955	3.771	1.261	2.433
OK0031976	30-Apr-99	50050	1.772	4.193	1.143	2.705
OK0031976	31-May-99	50050	1.965	4.135	1.268	2.668
OK0031976	30-Jun-99	50050	2.147	4.041	1.385	2.607
OK0031976	31-Jul-99	50050	1.562	4.281	1.008	2.762
OK0031976	31-Aug-99	50050	1.283	1.858	0.828	1.199
OK0031976	30-Sep-99	50050	1.418	3.198	0.915	2.063
OK0031976	31-Oct-99	50050	1.079	1.761	0.696	1.136
OK0031976	30-Nov-99	50050	1.243	1.530	0.802	0.987
OK0031976	31-Dec-99	50050	1.521	4.524	0.981	2.919
OK0031976	31-Jan-00	50050	1.068	2.558	0.689	1.65
OK0031976	28-Feb-00	50050	0.846	1.217	0.546	0.785
OK0031976	29-Feb-00	50050	1.282	4.385	0.827	2.829
OK0031976	31-Mar-00	50050	1.401	1.792	0.904	1.156
OK0031976	30-Apr-00	50050	1.049	1.690	0.677	1.09
OK0031976	31-May-00	50050	1.070	1.383	0.69	0.892
OK0031976	30-Jun-00	50050	0.916	1.145	0.591	0.739
OK0031976	31-Jul-00	50050	0.756	1.070	0.488	0.69
OK0031976	31-Aug-00	50050	0.680	0.980	0.439	0.632
OK0031976	30-Sep-00	50050	0.660	0.975	0.426	0.629
OK0031976	31-Oct-00	50050	0.668	0.870	0.431	0.561
OK0031976	30-Nov-00	50050	0.787	1.029	0.508	0.664
OK0031976	31-Dec-00	50050	0.834	1.068	0.538	0.689
OK0031976	31-Jan-01	50050	0.919	1.240	0.593	0.8

NPDES	Monitoring Period End Date	Parameter Code	Ave. Flow Value (cfs)	Max. Flow Value (cfs)	Ave. Flow in MGD	Max. Flow in MGD
OK0031976	28-Feb-01	50050	0.846	1.217	0.546	0.785
OK0031976	31-Mar-01	50050	0.882	1.040	0.569	0.671
OK0031976	30-Apr-01	50050	0.654	0.794	0.422	0.512
OK0031976	31-May-01	50050	0.525	0.719	0.339	0.464
OK0031976	30-Jun-01	50050	0.597	0.967	0.385	0.624
OK0031976	31-Jul-01	50050	17.772	0.693	11.466	0.447
OK0031976	31-Aug-01	50050	0.508	0.738	0.328	0.476
OK0031976	30-Sep-01	50050	0.581	0.719	0.375	0.464
OK0031976	31-Oct-01	50050	0.549	0.752	0.354	0.485
OK0031976	30-Nov-01	50050	0.364	0.560	0.235	0.361
OK0031976	31-Dec-01	50050	1.147	3.085	0.74	1.99
OK0031976	31-Jan-02	50050	1.133	1.724	0.731	1.112
OK0031976	28-Feb-02	50050	1.139	1.979	0.735	1.277
OK0031976	31-Mar-02	50050	1.071	2.093	0.691	1.35
OK0031976	30-Apr-02	50050	1.085	1.860	0.7	1.2
OK0031976	31-May-02	50050	1.240	1.705	0.8	1.1
OK0031976	30-Jun-02	50050	1.145	1.645	0.739	1.061
OK0031976	31-Jul-02	50050	1.042	1.657	0.672	1.069
OK0031976	31-Aug-02	50050	1.138	1.631	0.734	1.052
OK0031976	30-Sep-02	50050	0.994	1.448	0.641	0.934
OK0031976	31-Oct-02	50050	1.111	1.601	0.717	1.033
OK0031976	30-Nov-02	50050	0.874	1.338	0.564	0.863
OK0031976	31-Dec-02	50050	0.992	1.858	0.64	1.199
OK0031976	31-Jan-03	50050	0.959	2.010	0.619	1.297
OK0031976	28-Feb-03	50050	1.121	1.731	0.723	1.117
OK0031976	31-Mar-03	50050	1.052	1.744	0.679	1.125
OK0031976	30-Apr-03	50050	0.946	1.845	0.61	1.19
OK0031976	31-May-03	50050	1.209	1.907	0.78	1.23
OK0031976	30-Jun-03	50050	1.114	1.862	0.719	1.201
OK0031976	31-Jul-03	50050	1.035	1.541	0.668	0.994
OK0031976	31-Aug-03	50050	0.989	1.541	0.638	0.994
OK0031976	30-Sep-03	50050	1.062	1.739	0.685	1.122
OK0031976	31-Oct-03	50050	0.927	1.592	0.598	1.027
OK0031976	30-Nov-03	50050	0.908	1.460	0.586	0.942
OK0031976	31-Dec-03	50050	1.094	1.535	0.706	0.99
OK0031976	31-Jan-04	50050	1.059	1.738	0.683	1.121
OK0031976	29-Feb-04	50050	1.125	1.787	0.726	1.153
OK0031976	31-Mar-04	50050	1.390	2.269	0.897	1.464
OK0031976	30-Apr-04	50050	1.473	3.209	0.95	2.07
OK0031976	31-May-04	50050	1.349	2.852	0.87	1.84
OK0031976	30-Jun-04	50050	1.187	1.651	0.766	1.065
OK0031976	31-Jul-04	50050	1.654	2.874	1.067	1.854
OK0031976	31-Aug-04	50050	1.028	1.465	0.663	0.945
OK0031976	30-Sep-04	50050	1.104	1.595	0.712	1.029
OK0031976	31-Oct-04	50050	1.220	1.628	0.787	1.05
OK0031976	30-Nov-04	50050	1.578	2.403	1.018	1.55
OK0031976	31-Dec-04	50050	1.167	2.226	0.753	1.436
OK0031976	31-Jan-05	50050	1.679	5.016	1.083	3.236
OK0031976	28-Feb-05	50050	1.291	2.010	0.833	1.297
OK0031976	31-Mar-05	50050	1.269	2.266	0.819	1.462
OK0031976	30-Apr-05	50050	1.271	2.542	0.82	1.64
OK0031976	31-May-05	50050	1.116	1.907	0.72	1.23
OK0031976	30-Jun-05	50050	1.507	2.406	0.972	1.552
OK0031976	31-Jul-05	50050	1.248	1.944	0.805	1.254
OK0031976	31-Aug-05	50050	1.237	2.288	0.798	1.476
OK0031976	30-Sep-05	50050	1.107	1.907	0.714	1.23
OK0031976	31-Oct-05	50050	1.105	1.945	0.713	1.255
OK0031976	30-Nov-05	50050	0.950	1.646	0.613	1.062
OK0031976	31-Dec-05	50050	0.935	1.659	0.603	1.07

Appendix E. Point Source Discharge Total Phosphorus Raw Data (from
 EPA website: <http://www.epa.gov/enviro/html/pcs>)

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
AR0022403	03/31/1998	665	3.7	5
AR0022403	04/30/1998	665	8.8	10
AR0022403	05/31/1998	665	7.8	11.3
AR0022403	06/30/1998	665	8.7	11
AR0022403	07/31/1998	665	12.2	13
AR0022403	08/31/1998	665	9	10
AR0022403	09/30/1998	665	10	10
AR0022403	10/31/1998	665	9	9
AR0022403	11/30/1998	665	7	8
AR0022403	12/31/1998	665	6	6
AR0022403	01/31/1999	665	7	7
AR0022403	02/28/1999	665	7	8
AR0022403	03/31/1999	665	6	7
AR0022403	04/30/1999	665	6	7
AR0022403	05/31/1999	665	5	5
AR0022403	06/30/1999	665	5	6
AR0022403	07/31/1999	665	6	6
AR0022403	08/31/1999	665	8	8
AR0022403	09/30/1999	665	8	7
AR0022403	10/31/1999	665	9	10
AR0022403	11/30/1999	665	8	8
AR0022403	12/31/1999	665	9	10
AR0022403	01/31/2000	665	7	6
AR0022403	02/29/2000	665	10	9
AR0022403	03/31/2000	665	9	9
AR0022403	04/30/2000	665	10	11
AR0022403	05/31/2000	665	10	10
AR0022403	06/30/2000	665	7	8
AR0022403	07/31/2000	665	7	8
AR0022403	08/31/2000	665	5	5
AR0022403	09/30/2000	665	9	9
AR0022403	10/31/2000	665	10	10
AR0022403	11/30/2000	665	8	10
AR0022403	12/31/2000	665	8	8
AR0022403	01/31/2001	665	6	8
AR0022403	02/28/2001	665	3	3
AR0022403	03/31/2001	665	7	6
AR0022403	04/30/2001	665	5	5
AR0022403	05/31/2001	665	5	6
AR0022403	06/30/2001	665	7	6
AR0022403	07/31/2001	665	6	7
AR0022403	08/31/2001	665	8	7
AR0022403	09/30/2001	665	5	6
AR0022403	10/31/2001	665	6	6
AR0022403	11/30/2001	665	6	6
AR0022403	12/31/2001	665	4	5
AR0022403	01/31/2002	665	4	5
AR0022403	02/28/2002	665	6	5
AR0022403	03/31/2002	665	6	6
AR0022403	04/30/2002	665	7	8
AR0022403	05/31/2002	665	7	8
AR0022403	06/30/2002	665	8	7
AR0022403	07/31/2002	665	8	8
AR0022403	08/31/2002	665	4	5
AR0022403	09/30/2002	665	5	5
AR0022403	10/31/2002	665	7	8
AR0022403	11/30/2002	665	6	6
AR0022403	12/31/2002	665	4	4
AR0022403	01/31/2003	665	4	4
AR0022403	02/28/2003	665	3	5
AR0022403	03/31/2003	665	4	7
AR0022403	04/30/2003	665	8	11
AR0022403	05/31/2003	665	5	7
AR0022403	06/30/2003	665	5	7
AR0022403	07/31/2003	665	7	8
AR0022403	08/31/2003	665	6	8
AR0022403	09/30/2003	665	5	7
AR0022403	10/31/2003	665	4	5
AR0022403	11/30/2003	665	4	7
AR0022403	12/31/2003	665	3	4
AR0022403	01/31/2004	113	3	5
AR0022403	02/29/2004	665	3	5

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
AR0022403	03/31/2004	665	5	9
AR0022403	04/30/2004	665	2	5
AR0022403	05/31/2004	665	5	6
AR0022403	06/30/2004	665	4	7
AR0022403	07/31/2004	665	2	3
AR0022403	08/31/2004	665	2	3
AR0022403	09/30/2004	665	5	5
AR0022403	10/31/2004	665	6	9
AR0022403	11/30/2004	665	3	4
AR0022403	12/31/2004	665	2	3
AR0022403	01/31/2005	665	2	2
AR0022403	02/28/2005	665	3	5
AR0022403	03/31/2005	665	3	3
AR0022403	04/30/2005	665	3	6
AR0022403	05/31/2005	665	7	11
AR0022403	06/30/2005	665	4	6
AR0022403	07/31/2005	665	7	8
AR0022403	08/31/2005	665	5	7
AR0022403	09/30/2005	665	6	6
AR0022403	10/31/2005	665	4	5
AR0022403	11/30/2005	665	3	5
AR0022403	12/31/2005	665	0.4	1
KS0000817	31-May-00	665	20	20
KS0000817	30-Jun-00	665	30	30
KS0000817	31-Jul-00	665	21	21
KS0000817	31-Aug-00	665	33	33
KS0000817	30-Sep-00	665	18	18
KS0000817	31-Oct-00	665	20	20
KS0000817	30-Nov-00	665	20	20
KS0000817	31-Dec-00	665	24	24
KS0000817	31-Jan-01	665	26	26
KS0000817	28-Feb-01	665	16	16
KS0000817	31-Mar-01	665	16	16
KS0000817	30-Apr-01	665	23	23
KS0000817	31-May-01	665	19	19
KS0000817	30-Jun-01	665	2	2
KS0000817	31-Jul-01	665	18	18
KS0000817	31-Aug-01	665	16	16
KS0000817	30-Sep-01	665	23	23
KS0000817	31-Oct-01	665	27	27
KS0000817	30-Nov-01	665	27	27
KS0000817	31-Dec-01	665	25	25
KS0000817	28-Feb-02	665	1.5	2
KS0000817	28-Feb-02	665	27	27
KS0000817	31-Mar-02	665	32	32
KS0000817	30-Apr-02	665	19	19
KS0000817	31-May-02	665	3	3
KS0000817	30-Jun-02	665	2	2
KS0000817	30-Jun-02	665	24	24
KS0000817	31-Jul-02	665	27	27
KS0000817	31-Aug-02	665	21	21
KS0000817	30-Sep-02	665	26	26
KS0000817	31-Oct-02	665	26	26
KS0000817	30-Nov-02	665	31	31
KS0000817	31-Dec-02	665	27	27
KS0000817	31-Jan-03	665	21	21
KS0000817	28-Feb-03	665	19	19
KS0000817	31-Mar-03	665	25	25
KS0000817	31-Mar-03	665	6.323	7
KS0000817	30-Apr-03	665	2	2
KS0000817	30-Apr-03	665	29	29
KS0000817	31-May-03	665	28	28
KS0000817	30-Jun-03	665	26	26
KS0000817	31-Jul-03	665	30	30
KS0000817	31-Aug-03	665	31	31
KS0000817	30-Sep-03	665	13	13
KS0000817	31-Oct-03	665	24	24
KS0000817	31-Dec-03	665	2	2
KS0000817	31-Dec-03	665	35	35
KS0000817	31-Jan-04	665	25.75	30
KS0000817	29-Feb-04	665	28.5	30
KS0000817	31-Mar-04	665	29.6	31
KS0000817	30-Apr-04	665	16.5	22

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
KS0000817	31-May-04	665	27.25	30
KS0000817	30-Jun-04	665	15.8	19
KS0000817	30-Jun-04	665	2	2
KS0000817	31-Jul-04	665	15	19
KS0000817	31-Aug-04	665	13	16
KS0000817	30-Sep-04	665	16.6	23
KS0000817	31-Oct-04	665	29.5	32
KS0000817	30-Nov-04	665	18	20
KS0000817	31-Dec-04	665	17.4	21
KS0000817	31-Jan-05	665	27.75	48
KS0000817	28-Feb-05	665	36.25	46
KS0000817	31-Mar-05	665	25.8	32
KS0000817	30-Apr-05	665	26	29
KS0000817	31-May-05	665	10.25	12
KS0000817	30-Jun-05	665	10	13
KS0000817	30-Jun-05	665	2	2
KS0000817	31-Jul-05	665	7.5	9
KS0000817	31-Aug-05	665	11	14
KS0000817	30-Sep-05	665	8.5	13
KS0000817	31-Oct-05	665	9.25	13
KS0000817	30-Nov-05	665	18	20
KS0000817	31-Dec-05	665	25.75	31
KS0032123	31-Oct-01	665	1.390	1.800
KS0032123	30-Nov-01	665	2.230	2.400
KS0032123	31-Dec-01	665	2.105	2.210
KS0032123	31-Jan-02	665	1.465	1.630
KS0032123	28-Feb-02	665	2.520	2.890
KS0032123	31-Mar-02	665	3.000	3.000
KS0032123	30-Apr-02	665	2.800	3.000
KS0032123	31-May-02	665	2.633	3.140
KS0032123	30-Jun-02	665	2.420	2.650
KS0032123	31-Jul-02	665	2.430	3.180
KS0032123	31-Aug-02	665	1.400	1.400
KS0032123	30-Sep-02	665	2.720	2.720
KS0032123	31-Oct-02	665	2.460	2.460
KS0032123	30-Nov-02	665	2.350	2.350
KS0032123	31-Dec-02	665	1.910	1.910
KS0032123	28-Feb-03	665	3.180	3.180
KS0032123	31-Mar-03	665	2.740	2.740
KS0032123	30-Apr-03	665	3.460	3.460
KS0032123	31-May-03	665	0.695	0.695
KS0032123	30-Jun-03	665	1.047	1.240
KS0032123	31-Jul-03	665	2.283	2.650
KS0032123	31-Aug-03	665	1.183	1.380
KS0032123	30-Sep-03	665	2.000	2.150
KS0032123	31-Oct-03	665	2.290	2.290
KS0032123	30-Nov-03	665	3.060	3.060
KS0032123	31-Dec-03	665	2.720	2.720
KS0032123	31-Jan-04	665	2.610	2.610
KS0032123	29-Feb-04	665	3.370	3.370
KS0032123	31-Mar-04	665	3.410	3.410
KS0032123	30-Apr-04	665	2.720	2.720
KS0032123	31-May-04	665	2.000	2.000
KS0032123	30-Jun-04	665	2.930	2.930
KS0032123	31-Jul-04	665	2.650	2.650
KS0032123	31-Aug-04	665	2.150	2.150
KS0032123	30-Sep-04	665	2.880	2.880
KS0032123	31-Oct-04	665	3.290	3.290
KS0032123	30-Nov-04	665	2.290	2.290
KS0032123	31-Dec-04	665	2.550	2.550
KS0032123	31-Jan-05	665	1.240	1.240
KS0032123	28-Feb-05	665	1.930	1.930
KS0032123	31-Mar-05	665	0.622	0.622
KS0032123	30-Apr-05	665	1.330	1.330
KS0032123	31-May-05	665	2.260	2.260
KS0032123	30-Jun-05	665	1.750	1.750
KS0032123	31-Jul-05	665	1.900	1.900
KS0032123	31-Aug-05	665	1.870	1.870
KS0032123	30-Sep-05	665	3.200	3.200
KS0032123	31-Oct-05	665	3.770	3.770
KS0032123	30-Nov-05	665	2.830	2.830
KS0032123	31-Dec-05	665	4.060	4.060
KS0038954	28-Feb-03	665	5.63	5.63

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
KS0038954	31-Mar-03	665	3.6	3.6
KS0038954	30-Apr-03	665	2.14	2.14
KS0038954	31-May-03	665	7.36	7.36
KS0038954	30-Jun-03	665	5.2	5.2
KS0038954	31-Jul-03	665	3.27	3.27
KS0038954	31-Aug-03	665	8.61	8.61
KS0038954	31-Oct-03	665	2.36	2.36
KS0038954	30-Nov-03	665	4.87	4.87
KS0038954	31-Dec-03	665	3.5	3.5
KS0038954	31-Jan-04	665	3.79	3.79
KS0038954	29-Feb-04	665	4.3	4.3
KS0038954	31-Mar-04	665	5.3	5.3
KS0038954	30-Apr-04	665	2.84	2.84
KS0038954	31-May-04	665	2.03	2.03
KS0038954	30-Jun-04	665	3.71	3.71
KS0038954	31-Jul-04	665	1.93	1.93
KS0038954	31-Aug-04	665	6.88	6.88
KS0038954	30-Sep-04	665	7.89	7.89
KS0038954	31-Oct-04	665	5.29	5.29
KS0038954	30-Nov-04	665	4.15	4.15
KS0038954	31-Dec-04	665	2.67	2.67
KS0038954	31-Jan-05	665	1.15	1.15
KS0038954	28-Feb-05	665	4.84	4.84
KS0038954	31-Mar-05	665	2.74	2.74
KS0038954	30-Apr-05	665	2.35	2.35
KS0038954	31-May-05	665	4.31	4.31
KS0038954	30-Jun-05	665	3.73	3.73
KS0038954	31-Jul-05	665	3.8	3.8
KS0038954	31-Aug-05	665	11	11
KS0038954	30-Sep-05	665	6.85	6.85
KS0038954	31-Oct-05	665	10.7	10.7
KS0038954	30-Nov-05	665	7.2	7.2
KS0038954	31-Dec-05	665	9.2	9.2
KS0046728	31-Aug-03	665	2.39	2.39
KS0046728	30-Sep-03	665	2.51	2.51
KS0046728	31-Oct-03	665	2.29	2.29
KS0046728	30-Nov-03	665	2.46	2.46
KS0046728	31-Dec-03	665	3.21	3.21
KS0046728	31-Jan-04	665	3.5	3.5
KS0046728	29-Feb-04	665	5.59	5.59
KS0046728	31-Mar-04	665	3.87	3.87
KS0046728	30-Apr-04	665	4.36	4.36
KS0046728	31-May-04	665	3.42	3.42
KS0046728	30-Jun-04	665	4.42	4.42
KS0046728	31-Jul-04	665	3.08	3.08
KS0046728	31-Aug-04	665	4.53	4.53
KS0046728	30-Sep-04	665	3.47	3.47
KS0046728	31-Oct-04	665	6.87	6.87
KS0046728	30-Nov-04	665	4.78	4.78
KS0046728	31-Dec-04	665	5.96	5.96
KS0046728	31-Jan-05	665	3.37	3.37
KS0046728	28-Feb-05	665	4.12	4.12
KS0046728	31-Mar-05	665	4.62	4.62
KS0046728	30-Apr-05	665	7.17	7.17
KS0046728	31-May-05	665	5.38	5.38
KS0046728	30-Jun-05	665	2.12	2.12
KS0046728	31-Jul-05	665	2.37	2.37
KS0046728	31-Aug-05	665	7.52	7.52
KS0046728	30-Sep-05	665	3.88	3.88
KS0046728	31-Oct-05	665	6.6	6.6
KS0046728	30-Nov-05	665	6.8	6.8
KS0046728	31-Dec-05	665	6.5	6.5
KS0080837	30-Apr-03	665	2.46	2.46
KS0080837	31-May-03	665	3.5	3.5
KS0080837	30-Jun-03	665	1.8	1.8
KS0080837	31-Jul-03	665	2.13	2.13
KS0080837	31-Aug-03	665	2.83	2.83
KS0080837	30-Sep-03	665	2.3	2.93
KS0080837	31-Oct-03	665	2.36	2.36
KS0080837	31-Dec-03	665	3.13	3.13
KS0080837	31-Jan-04	665	2.36	2.36
KS0080837	29-Feb-04	665	2.05	2.05
KS0080837	31-Mar-04	665	1.48	1.48

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
KS0080837	30-Apr-04	665	3.13	3.13
KS0080837	30-Jun-04	665	2.04	2.04
KS0080837	31-Jul-04	665	0.86	0.86
KS0080837	31-Aug-04	665	2.96	2.96
KS0080837	31-Oct-04	665	1.9	1.9
KS0080837	30-Nov-04	665	1.01	1.01
KS0080837	31-Dec-04	665	1.12	1.12
KS0080837	31-Jan-05	665	1.08	1.08
KS0080837	28-Feb-05	665	1.96	1.96
KS0080837	31-Mar-05	665	2	2
KS0080837	30-Apr-05	665	3.44	3.44
KS0080837	31-May-05	665	3.045	3.45
KS0080837	30-Jun-05	665	1.86	1.86
KS0080837	31-Jul-05	665	1.2	1.2
KS0080837	31-Aug-05	665	3.71	3.71
KS0080837	30-Sep-05	665	1.96	1.96
KS0080837	31-Oct-05	665	2.78	2.78
KS0080837	30-Nov-05	665	2.5	2.5
KS0080837	31-Dec-05	665	4.2	4.2
MO0021440	30-Jun-02	665	20.5	20.5
MO0021440	30-Jun-02	665	20.5	20.5
MO0021440	30-Jun-02	665	20.5	20.5
MO0021440	31-Jul-02	665	19.4	19.4
MO0021440	31-Jul-02	665	19.4	19.4
MO0021440	31-Jul-02	665	20.2	20.2
MO0021440	31-Jul-02	665	22.5	22.5
MO0021440	31-Aug-02	665	17.2	17.2
MO0021440	31-Aug-02	665	17.2	17.2
MO0021440	31-Aug-02	665	17.2	17.2
MO0021440	30-Sep-02	665	18	18
MO0021440	30-Sep-02	665	18	18
MO0021440	30-Sep-02	665	18	18
MO0021440	31-Oct-02	665	15.3	16.9
MO0021440	31-Oct-02	665	15.3	16.9
MO0021440	31-Oct-02	665	15.3	16.9
MO0021440	31-Oct-02	665	15.3	20.6
MO0021440	31-Oct-02	665	15.3	20.6
MO0021440	30-Nov-02	665	20.2	20.2
MO0021440	30-Nov-02	665	21	21
MO0021440	30-Nov-02	665	22.3	22.3
MO0021440	30-Nov-02	665	22.3	22.3
MO0021440	31-Dec-02	665	20.3	20.3
MO0021440	31-Dec-02	665	20.3	20.3
MO0021440	31-Dec-02	665	20.3	20.3
MO0021440	31-Mar-03	665	13.5	13.5
MO0021440	31-Mar-03	665	20	20
MO0021440	31-Mar-03	665	49.9	49.9
MO0021440	30-Apr-03	665	13.4	13.4
MO0021440	30-Apr-03	665	17.1	17.1
MO0021440	30-Apr-03	665	21.1	21.1
MO0021440	31-May-03	665	15.6	15.6
MO0021440	31-May-03	665	23	23
MO0021440	31-May-03	665	23	23
MO0021440	30-Jun-03	665	18	18
MO0021440	30-Jun-03	665	19.5	19.5
MO0021440	30-Jun-03	665	19.5	19.5
MO0021440	31-Jul-03	665	16	16
MO0021440	31-Jul-03	665	16	16
MO0021440	31-Jul-03	665	16	16
MO0021440	31-Aug-03	665	14.5	14.5
MO0021440	31-Aug-03	665	14.5	14.5
MO0021440	31-Aug-03	665	16.8	16.8
MO0021440	30-Sep-03	665	18.2	18.2
MO0021440	30-Sep-03	665	18.4	18.4
MO0021440	30-Sep-03	665	18.7	18.7
MO0021440	31-Oct-03	665	12.4	12.4
MO0021440	31-Oct-03	665	15.3	15.3
MO0021440	31-Oct-03	665	15.4	15.4
MO0021440	31-Oct-03	665	15.6	15.6
MO0021440	31-Oct-03	665	15.6	15.6
MO0021440	30-Nov-03	665	15.9	15.9
MO0021440	30-Nov-03	665	17.3	17.3
MO0021440	30-Nov-03	665	17.3	17.3

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
MO0021440	31-Dec-03	665	9.45	9.45
MO0021440	31-Dec-03	665	9.45	9.45
MO0021440	31-Dec-03	665	9.45	9.45
MO0021440	31-Jan-04	665	11.8	11.8
MO0021440	31-Jan-04	665	11.8	11.8
MO0021440	31-Jan-04	665	8.3	8.3
MO0021440	29-Feb-04	665	11.4	11.4
MO0021440	29-Feb-04	665	11.4	11.4
MO0021440	29-Feb-04	665	11.4	11.4
MO0021440	31-Mar-04	665	14.65	16.1
MO0021440	31-Mar-04	665	14.65	16.1
MO0021440	31-Mar-04	665	15.6	15.6
MO0021440	30-Apr-04	665	16.1	16.1
MO0021440	30-Apr-04	665	16.1	16.1
MO0021440	30-Apr-04	665	19.4	19.4
MO0021440	30-Apr-04	665	8.24	8.24
MO0021440	30-Apr-04	665	8.24	8.24
MO0021440	31-May-04	665	12.6	12.6
MO0021440	31-May-04	665	12.6	12.6
MO0021440	31-May-04	665	6.29	6.29
MO0021440	30-Jun-04	665	12.6	12.6
MO0021440	30-Jun-04	665	17.1	17.1
MO0021440	31-Jul-04	665	22.2	22.2
MO0021440	31-Jul-04	665	23.6	23.6
MO0021440	31-Aug-04	665	22.2	22.2
MO0021440	30-Sep-04	665	18.55	20.3
MO0021440	30-Sep-04	665	21.4	21.4
MO0021440	31-Oct-04	665	16.65	18.5
MO0021440	30-Nov-04	665	0.93	0.93
MO0021440	30-Nov-04	665	12.96	15.9
MO0021440	30-Nov-04	665	16.3	16.3
MO0021440	30-Nov-04	665	4.67	4.67
MO0021440	31-Dec-04	665	12.3	13.6
MO0021440	31-Dec-04	665	3.34	3.34
MO0021440	31-Jan-05	665	0.34	0.34
MO0021440	31-Jan-05	665	18	20.3
MO0021440	31-Jan-05	665	2.71	
MO0021440	31-Jan-05	665	6.03	6.03
MO0021440	28-Feb-05	665	14.47	17.2
MO0021440	28-Feb-05	665	9.58	9.58
MO0021440	31-Mar-05	665	16.6	16.6
MO0021440	31-Mar-05	665	19.13	19.7
MO0021440	30-Apr-05	665	15.68	17
MO0021440	30-Apr-05	665	16.3	16.3
MO0021440	31-May-05	665	17.5	19.2
MO0021440	31-May-05	665	61.9	61.9
MO0021440	30-Jun-05	665	18	20.3
MO0021440	30-Jun-05	665	19.5	19.5
MO0021440	31-Jul-05	665	15.7	15.7
MO0021440	31-Jul-05	665	17.95	19.2
MO0021440	31-Aug-05	665	16.7	17.9
MO0021440	31-Aug-05	665	18	18
MO0021440	30-Sep-05	665	0.33	0.33
MO0021440	30-Sep-05	665	12.9	16.3
MO0021440	30-Sep-05	665	15.9	15.9
MO0021440	31-Oct-05	665	15	15
MO0021440	31-Oct-05	665	15.58	21.1
MO0021440	30-Nov-05	665	14.5	15.3
MO0021440	30-Nov-05	665	15	15
MO0021440	31-Dec-05	665	13.125	13.5
MO0021440	31-Dec-05	665	13.9	13.9
MO0036773	30-Apr-99	665	0.37	0.5
MO0036773	31-May-99	665	0.32	0.42
MO0036773	30-Jun-99	665	0.31	0.4
MO0036773	31-Jul-99	665	0.28	0.4
MO0036773	31-Aug-99	665	0.23	0.26
MO0036773	30-Sep-99	665	0.27	0.29
MO0036773	31-Oct-99	665	0.25	0.33
MO0036773	30-Nov-99	665	0.21	0.21
MO0036773	31-Dec-99	665	0.18	0.25
MO0036773	31-Jan-00	665	0.63	1.95
MO0036773	29-Feb-00	665	0.14	0.26
MO0036773	31-Mar-00	665	0.12	0.13

NPDES	Monitoring Period End Date	Parameter Code	Ave. TP (mg/L)	Max. TP (mg/L)
MO0036773	30-Apr-00	665	0.18	0.18
MO0036773	30-Jun-00	665	0.58	0.58
MO0036773	31-Jul-00	665	0.22	0.22
MO0036773	31-Aug-00	665	0.22	0.22
MO0036773	30-Sep-00	665	0.23	0.23
MO0036773	31-Oct-00	665	0.23	0.23
MO0036773	31-Dec-00	665	0.14	0.14
MO0036773	31-Jan-01	665	0.1	0.13
MO0036773	28-Feb-01	665	0.11	0.11
MO0036773	31-Mar-01	665	0.35	0.35
MO0036773	30-Apr-01	665	0.34	0.34
MO0036773	31-May-01	665	0.43	0.43
MO0036773	30-Jun-01	665	0.45	0.45
MO0036773	31-Jul-01	665	0.31	0.31
MO0036773	31-Aug-01	665	0.26	0.38
MO0036773	30-Sep-01	665	0.16	0.23
MO0036773	31-Oct-01	665	0.14	0.15
MO0036773	30-Nov-01	665	0.13	0.15
MO0036773	31-Dec-01	665	0.14	0.14
MO0036773	31-Jan-02	665	0.1	0.1
MO0036773	28-Feb-02	665	0.09	0.09
MO0036773	31-Mar-02	665	0.13	0.13
MO0036773	30-Apr-02	665	0.13	0.13
MO0036773	31-May-02	665	0.26	0.26
MO0036773	31-May-02	665	0	0
MO0036773	30-Jun-02	665	0.2	0.2
MO0036773	31-Jul-02	665	0.26	0.26
MO0036773	31-Aug-02	665	0.25	0.25
MO0036773	30-Sep-02	665	0.2	0.23
MO0036773	31-Oct-02	665	0.16	0.18
MO0036773	30-Nov-02	665	0.11	0.11
MO0036773	31-Dec-02	665	0.12	0.26
MO0036773	31-Jan-03	665	0.2	0.2
MO0036773	28-Feb-03	665	0.11	0.11
MO0036773	31-Mar-03	665	0.13	0.13
MO0036773	30-Apr-03	665	0.14	0.22
MO0036773	31-May-03	665	0.27	0.44
MO0036773	30-Jun-03	665	0.17	0.22
MO0036773	31-Jul-03	665	0.15	0.22
MO0036773	31-Aug-03	665	0.15	0.15
MO0036773	30-Sep-03	665	0.18	0.18
MO0036773	31-Oct-03	665	0.14	0.17
MO0036773	30-Nov-03	665	0.13	0.16
MO0036773	31-Dec-03	665	0.06	0.09
MO0036773	31-Jan-04	665	0.08	0.18
MO0036773	29-Feb-04	665	0.07	0.11
MO0036773	31-Mar-04	665	0.12	0.12
MO0036773	30-Apr-04	665	0.07	0.11
MO0036773	31-May-04	665	0.15	0.19
MO0036773	30-Jun-04	665	0.15	0.21
MO0036773	31-Jul-04	665	0.13	0.16
MO0036773	31-Aug-04	665	0.17	0.22
MO0036773	30-Sep-04	665	0.27	0.84
MO0036773	31-Oct-04	665	0.12	0.13
MO0036773	30-Nov-04	665	0.14	0.16
MO0036773	31-Dec-04	665	0.24	0.58
MO0036773	31-Jan-05	665	0.38	1.11
MO0036773	28-Feb-05	665	0.13	0.18
MO0036773	31-Mar-05	665	0.18	0.28
MO0036773	30-Apr-05	665	0.24	0.35
MO0036773	31-May-05	665	0.29	0.62
MO0036773	30-Jun-05	665	0.21	0.33
MO0036773	31-Jul-05	665	0.3	0.64
MO0036773	31-Aug-05	665	0.17	0.28
MO0036773	30-Sep-05	665	0.16	0.19
MO0036773	31-Oct-05	665	0.16	0.24
MO0036773	30-Nov-05	665	0.19	0.29
MO0036773	31-Dec-05	665	0.32	0.84

Appendix F. Water Quality Elk River Raw Data (compiled from EPA STORET, KDHE, MODNR, OCC, OWRB, USGS)

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
1/7/69	1040	N/A	0.13	4	247
2/6/69	1630	N/A	0.09	3.5	237
3/3/69	1010	N/A	0.07	3.9	237
4/22/69	1150	N/A	0.03	3.3	238
5/15/69	536	N/A	0.1	3.7	248
6/11/69	326	N/A	0.17	5.7	262
7/8/69	408	N/A	0.18	3.7	263
8/12/69	103	N/A	0.04	3.4	266
9/5/69	107	N/A	0.05	5.4	270
10/9/69	83	N/A	0.02	5.8	275
11/5/69	199	N/A	0.04	5.4	283
12/4/69	119	N/A	0.06	0.3	286
1/6/70	255	N/A	0.04	4.8	296
2/12/70	291	N/A	0.04	4.4	276
3/4/70	215	N/A	0.09	4.1	274
4/9/70	824	N/A	0.42	2.6	262
5/6/70	1900	N/A	0.09	1.5	237
6/11/70	779	N/A	0.57	3	263
7/7/70	276	N/A	0.06	3.4	271
8/12/70	85	N/A	0.06	5.5	267
9/2/70	138	N/A	0.06	5.8	261
10/8/70	589	N/A	0.03	2.5	285
11/2/70	1620	N/A	0.29	3.6	280
12/1/70	509	N/A	0.28	4.6	280
1/6/71	1620	N/A	<0.01	6.3	275
2/3/71	411	N/A	0.07	5.8	295
3/1/71	1530	N/A	0.06	4.2	275
4/8/71	556	N/A	0.19	3.8	265
5/6/71	489	N/A	0.04	2.8	270
6/3/71	482	N/A	0.02	3.6	290
7/15/71	126	N/A	0.02	4	260
8/12/71	92	N/A	0.12	9	275
9/1/71	54	N/A	0.07	11	280
10/7/71	125	N/A	0.03	11	290
11/2/71	86	N/A	0.08	8	280
11/30/71	119	N/A	0.08	8.2	315
1/4/72	420	N/A	0.06	5.4	270
2/3/72	185	N/A	0.02	8.5	265
3/15/72	189	N/A	0.052	8.2	290
4/13/72	302	N/A	0.06	7.7	255
5/3/72	2130	N/A	<0.01	4.9	255
6/6/72	139	N/A	0.04	7.2	260
7/13/72	288	N/A	0.064	5.4	270
8/17/72	65	N/A	0.1	7.3	290
9/6/72	64	N/A	0.008	6.8	295
10/3/72	215	N/A	0.039	6.4	309
11/15/72	3580	N/A	0.66	3.8	253
12/16/72	918	N/A	0.28	5.4	272
1/16/73	708	N/A	0.007	5	283
2/14/73	1420	N/A	0.021	4	242
3/14/73	3460	N/A	0.061	3.1	220
4/12/73	2470	N/A	0.026	2.9	239
5/16/73	1700	N/A	0.026	3.7	243
6/13/73	1430	1.1	0.05	3.8	250
7/11/73	451	0.89	0.05	4.8	268
8/7/73	202	<0.1	<0.01	5.3	295
9/5/73	232	0.71	0.04	5.9	290
10/2/73	337	0.86	0.06	5.3	282
11/6/73	407	1.22	0.06	5.1	292
12/5/73	16900	1.21	0.09	2.3	203
1/8/74	893	1.4	0.03	3.3	253
2/6/74	922	1.35	0.01	4.7	245
3/19/74	2030	1.3	0.05	2.6	250
4/18/74	646	0.88	0.03	4	255
5/15/74	1260	0.81	0.04	3.2	250
6/12/74	3800	<0.05	0.03	2.6	245
7/9/74	406	0.95	<0.01	4.4	263
8/7/74	244	0.65	0.02	5.1	262
9/4/74	700	1.31	0.05	5	292

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
10/8/74	239	0.94	0.02	4.8	292
11/12/74	3830	1.2	0.08	3	243
12/11/74	1410	1.21	0.02	4.1	254
1/7/75	1530	0.42	0.03	4.2	257
2/5/75	1510	1.21	0.02	3.5	258
3/4/75	2360	1.1	0.04	3.6	250
4/3/75	1970	0.98	0.02	3.6	235
5/14/75	763	0.63	0.04	5	253
6/12/75	595	0.93	0.04	3.9	275
7/8/75	757	1.11	0.11	4.2	246
11/11/75	180	N/A	N/A	N/A	270
12/16/75	762	N/A	0.01	9	280
1/19/76	298	N/A	0.07	4	280
2/18/76	180	N/A	1	11	260
3/15/76	828	N/A	<0.08	11	260
4/14/76	369	N/A	<0.08	N/A	260
5/18/76	886	N/A	<0.08	19	270
6/14/76	472	N/A	<0.08	22	250
7/20/76	587	N/A	0.03	11	270
8/17/76	433	N/A	<0.08	11	260
9/14/76	320	N/A	0.16	N/A	230
10/20/76	132	N/A	0.1	12	290
11/17/76	127	N/A	<0.03	11	300
12/7/76	169	N/A	<0.03	18	300
2/15/77	144	N/A	0.08	23	295
3/15/77	859	N/A	0.08	6	325
4/12/77	434	N/A	0.04	18	270
5/17/77	213	N/A	0.07	4	280
6/28/77	384	N/A	0.061	4	270
7/19/77	130	N/A	N/A	N/A	290
8/23/77	350	N/A	0.096	6	295
9/19/77	257	N/A	0.062	6	310
10/14/80	40	0.48	0.11	8.4	288
11/19/80	92	0.86	0.12	N/A	283
12/10/80	156	0.98	0.07	N/A	290
1/14/81	59	1.3	0.06	11	280
2/18/81	102	1.3	0.09	N/A	281
3/18/81	145	1	0.06	N/A	275
4/15/81	138	0.85	0.1	9.1	265
5/13/81	335	0.86	0.07	N/A	270
6/17/81	467	0.9	0.15	N/A	240
7/14/81	195	0.54	0.02	5.7	292
8/12/81	189	0.73	0.04	N/A	302
9/10/81	90	0.62	0.06	N/A	300
10/7/82	84	0.6	0.06	6	288
11/9/82	107	0.54	0.1	N/A	287
12/14/82	1040	2.3	<0.05	N/A	274
1/12/83	424	1.9	<0.05	8	268
2/9/83	975	1.9	0.1	N/A	266
3/16/83	447	1.3	0.05	N/A	264
4/6/83	2780	1.7	<0.05	4	237
5/4/83	2720	1.9	0.06	N/A	231
6/7/83	571	1.2	0.06	N/A	261
7/6/83	444	1.3	0.15	5	238
8/10/83	127	0.61	0.08	N/A	282
9/21/83	56	0.51	0.1	N/A	257
11/8/83	208	0.88	<0.05	N/A	284
12/8/83	352	1.7	0.03	N/A	287
1/5/84	170	1.6	0.03	7.9	280
2/8/84	190	1.4	0.01	N/A	277
3/7/84	2500	2.3	0.05	N/A	249
4/4/84	4350	1.7	0.04	4.5	229
5/10/84	754	1.2	0.03	N/A	254
6/7/84	507	1	0.03	N/A	264
7/12/84	158	0.4	0.04	6.3	290
8/8/84	112	0.4	0.07	N/A	260
9/13/84	65	0.4	0.09	N/A	274

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
10/4/84	97	0.6	0.06	8.2	265
11/7/84	999	2.3	0.04	N/A	280
12/6/84	583	1.9	0.02	N/A	269
1/9/85	1700	2.3	0.04	4.8	240
2/20/85	852	1.7	0.02	N/A	239
3/19/85	1310	1.5	0.03	N/A	240
4/17/85	925	1.3	0.02	4.6	235
5/23/85	710	1.1	0.03	N/A	240
6/13/85	1770	1.3	0.04	N/A	250
7/10/85	356	1.2	0.04	5.3	275
8/7/85	1330	1.2	0.09	N/A	240
9/11/85	180	0.9	0.05	N/A	279
10/10/85	139	0.8	0.04	7.3	280
11/14/85	6710	1.4	0.11	N/A	221
12/4/85	2930	1.8	0.04	N/A	245
1/9/86	922	1.6	0.01	5.9	239
2/12/86	1530	1.6	0.04	N/A	240
3/19/86	1230	1.2	0.05	N/A	242
4/9/86	13100	1.3	0.1	3	198
5/14/86	510	1	0.05	N/A	266
6/3/86	449	1	0.06	N/A	254
7/8/86	240	0.7	0.05	5.3	270
8/6/86	140	0.6	0.62	N/A	275
9/17/86	1200	1.4	0.19	N/A	265
10/15/86	1110	1.9	0.05	4.8	288
11/6/86	885	1.5	0.55	N/A	280
12/3/86	390	1.6	0.04	N/A	290
1/7/87	340	1.5	0.02	6	288
2/4/87	913	1.5	0.04	N/A	269
3/4/87	3210	1.7	0.05	N/A	229
4/8/87	755	1.3	0.04	4.8	240
5/20/87	374	1.1	0.1	N/A	274
6/10/87	323	0.9	0.09	N/A	280
7/8/87	242	1	0.09	5.6	280
8/5/87	93	0.8	0.11	N/A	280
9/2/87	123	0.6	0.09	N/A	269
10/6/87	75	0.8	0.06	9.1	297
11/4/87	198	0.7	0.04	N/A	275
12/9/87	420	1.8	0.05	N/A	260
1/12/88	850	2.1	0.06	5	251
2/3/88	632	1.7	0.05	N/A	230
3/2/88	920	1.4	0.05	N/A	270
4/6/88	2610	1.4	0.05	3.8	209
5/11/88	454	0.9	0.05	N/A	282
6/14/88	167	1	0.07	N/A	243
7/13/88	129	1.1	0.09	7.4	270
8/3/88	79	0.4	0.08	N/A	246
9/7/88	100	0.3	0.07	N/A	246
10/5/88	142	0.9	0.06	7.8	273
11/2/88	103	0.6	0.07	N/A	279
12/7/88	317	1.2	0.04	N/A	286
1/4/89	1210	1.5	0.06	5.3	269
2/8/89	730	1.7	0.07	N/A	256
3/8/89	812	1.5	0.06	N/A	255
4/4/89	1410	1.2	0.05	4.2	240
5/10/89	343	1.1	0.07	N/A	266
6/7/89	602	0.9	0.08	N/A	269
7/18/89	1350	0.9	0.18	4.6	229
8/2/89	1490	1.1	0.08	N/A	267
9/7/89	166	0.8	0.1	N/A	294
10/11/89	141	0.8	0.08	6.9	275
11/8/89	115	0.8	0.07	N/A	299
12/5/89	99	1	0.12	N/A	277
1/3/90	106	N/A	0.07	11	320
1/10/90	115	1.2	0.08	8	281
1/19/90	2760	N/A	0.02	10	230
2/7/90	951	1.7	0.05	N/A	256

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
2/15/90	2100	N/A	0.22	7	240
3/7/90	2400	1.4	0.05	N/A	229
3/14/90	10300	N/A	0.21	5	180
4/3/90	1640	1.4	0.04	6	233
5/3/90	14300	N/A	0.38	3	120
5/8/90	3100	1.4	0.06	N/A	231
5/30/90	2570	N/A	0.12	2	260
6/6/90	1540	1.4	0.05	N/A	246
6/22/90	1660	N/A	0.05	4	260
7/27/90	216	N/A	0.03	6	260
8/7/90	189	N/A	0.42	10	300
9/3/90	144	N/A	0.32	8	300
9/21/90	242	N/A	0.16	2	260
12/1/90	485	N/A	<0.01	10	300
1/15/91	4640	N/A	0.01	2	240
2/28/91	325	N/A	0.1	11	230
4/13/91	1560	N/A	0.25	6	220
7/11/91	77	N/A	0.12	4	260
9/12/91	82	N/A	0.13	7	300
12/20/91	1450	N/A	0.24	3	210
2/4/92	248	N/A	0.09	6	300
4/9/92	218	N/A	0.04	6	280
4/20/92	910	N/A	0.09	4	280
5/5/92	358	N/A	0.01	4	272
6/9/92	2950	N/A	0.08	4	281
7/22/92	267	N/A	0.06	5	298
7/30/92	250	N/A	0.13	4	280
8/19/92	206	N/A	0.02	6	282
9/8/92	277	N/A	0.38	12	244
9/30/92	351	N/A	0.08	9	312
10/26/92	117	N/A	0.16	7	284
11/11/92	318	N/A	0.4	5	324
11/18/92	873	2.36	0.06	6.1	301
11/20/92	859	N/A	0.83	5	304
12/2/92	1080	2.52	0.08	5.4	275
12/13/92	1990	N/A	0.66	6	164
1/13/93	2250	1.91	0.05	4.9	245
1/29/93	1200	N/A	0.1	8	255
2/9/93	559	N/A	N/A	N/A	242
3/9/93	1120	1.9	0.04	5.1	258
3/22/93	3210	N/A	0.36	9	245
4/13/93	1210	1.41	0.06	N/A	255
4/14/93	1270	N/A	0.4	6	253
4/27/93	1200	N/A	0.04	4.4	258
5/4/93	967	1.11	0.03	4.7	242
5/10/93	8480	N/A	0.16	7	224
5/18/93	5200	N/A	0.1	3.1	230
5/30/93	800	N/A	0.29	5	252
6/9/93	2030	N/A	0.27	9	251
6/21/93	2130	1.3	0.06	4.3	253
6/29/93	5160	N/A	0.15	4	191
7/6/93	12800	N/A	0.33	12	127
7/13/93	1660	1.6	0.05	3.9	268
8/5/93	455	N/A	0.15	14	281
8/24/93	185	1.4	0.04	6.1	299
8/26/93	154	N/A	0.09	12	306
9/14/93	7500	N/A	0.16	7	206
9/15/93	10000	1.61	0.14	3	215
9/24/93	733	N/A	0.56	6	153
10/6/93	979	1.9	0.03	4.7	279
10/28/93	447	N/A	0.06	12	250
11/16/93	4430	1.83	0.07	3.3	251
11/18/93	5170	N/A	0.15	9	243
12/7/93	1940	1.7	0.04	4.2	272
1/5/94	576	1.8	0.04	5.5	278
2/10/94	640	1.7	0.03	6.4	274
3/8/94	5270	1.92	0.16	3.7	216

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
4/6/94	3190	1.43	0.03	3.7	244
5/18/94	890	1.4	0.05	4.5	245
6/16/94	328	1.3	0.07	6	280
7/13/94	203	0.94	0.12	6.9	255
8/17/94	117	0.71	0.07	8.1	279
9/1/94	178	0.63	0.06	8	270
10/5/94	86	0.6	0.05	8.6	283
11/2/94	150	0.99	0.06	8.3	293
12/7/94	424	1.7	0.05	6.1	290
1/11/95	285	1.5	0.03	6.6	290
2/7/95	853	2.03	0.02	5.6	275
3/1/95	608	1.81	0.01	6	280
4/4/95	471	1.33	0.04	5.3	273
5/17/95	1960	1.6	0.03	4.5	270
6/21/95	1820	1.6	0.03	4.1	272
7/13/95	502	1.62	0.09	5.9	282
8/17/95	156	1.82	0.11	7.5	289
9/13/95	83	N/A	0.2	N/A	313
10/5/95	147	N/A	0.17	N/A	312
10/31/95	150	N/A	0.19	N/A	344
11/22/95	199	0.76	0.1	9.5	294
12/1/95	210	N/A	0.13	N/A	345
1/12/96	171	N/A	N/A	N/A	312
2/10/96	257	N/A	0.17	N/A	N/A
3/9/96	153	N/A	0.08	N/A	297
4/13/96	398	N/A	0.04	N/A	1175
5/4/96	479	N/A	0.29	N/A	292
6/8/96	306	N/A	N/A	N/A	308
7/6/96	369	N/A	N/A	N/A	306
8/11/96	67	N/A	N/A	N/A	321
9/19/96	69	N/A	0.64	N/A	322
10/30/96	513	N/A	0.13	N/A	317
11/12/96	1540	N/A	0.1	N/A	299
12/11/96	971	N/A	0.07	N/A	283
1/7/97	290	N/A	0.05	N/A	288
2/5/97	284	N/A	0.04	N/A	283
3/17/97	2140	N/A	0.08	N/A	259
4/24/97	518	N/A	0.05	N/A	269
5/12/97	655	N/A	0.05	N/A	263
6/19/97	798	N/A	0.13	N/A	284
7/8/97	303	N/A	0.09	N/A	285
8/7/97	106	N/A	0.13	N/A	285
9/9/97	129	N/A	0.15	N/A	296
10/9/97	241	1.3	0.25	N/A	440
10/13/97	331	N/A	0.1	N/A	310
11/4/97	195	N/A	0.12	N/A	320
11/6/97	195	1.426	0.07	8.26	325
12/1/97	769	N/A	0.19	N/A	317
12/9/97	1090	1.76	0.04	N/A	307
1/6/98	6020	N/A	0.18	N/A	250
1/7/98	5570	2.34	0.03	13.5	252
2/9/98	579	1.94	0.03	N/A	286
2/19/98	966	N/A	0.13	N/A	293
3/11/98	1980	2.012	0.05	N/A	264
3/18/98	4700	N/A	0.1	N/A	251
4/6/98	1210	N/A	0.14	N/A	269
4/14/98	767	1.16	0.02	5.4	259
5/11/98	1590	N/A	0.14	N/A	257
5/13/98	1040	1.44	0.04	N/A	382
6/9/98	318	1.644	0.13	6.75	280
6/15/98	297	N/A	0.1	N/A	291
7/6/98	189	N/A	0.18	N/A	288
7/14/98	240	0.877	0.17	7.83	305
8/10/98	213	N/A	0.15	N/A	291
8/12/98	185	N/A	N/A	7.5	297
9/2/98	72	0.446	0.06	10.1	336
9/8/98	56	N/A	0.19	N/A	280

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
10/7/98	3620	2.88	0.09	N/A	270
10/12/98	587	N/A	0.13	N/A	309
11/3/98	295	1.87	0.17	7.92	319
12/9/98	509	1.9	0.07	N/A	310
1/11/99	518	N/A	0.09	N/A	319
1/12/99	486	2.37	0.04	7.06	303
2/3/99	965	2.49	0.09	N/A	291
2/8/99	5410	N/A	0.35	N/A	255
3/10/99	5000	2.2	0.08	N/A	269
3/22/99	3690	N/A	0.13	N/A	257
4/7/99	1250	1.53	0.03	N/A	269
4/12/99	1080	N/A	0.02	N/A	266
5/10/99	1410	N/A	0.19	N/A	276
5/18/99	989	3.56	0.06	N/A	277
5/24/99	1250	1.135	0.06	5	267.7
6/8/99	459	1.35	0.14	5.89	293
6/29/99	1430	1.825	0.109	6	300.8
7/13/99	549	1.82	0.05	N/A	301.5
7/26/99	350	0.855	0.06	<5	0
8/3/99	287	N/A	0.09	N/A	306
8/18/99	172	0.955	0.07	<5	304.7
8/24/99	166	0.9	0.07	8.71	301
9/13/99	175	N/A	0.14	N/A	300
9/14/99	175	1.14	0.09	N/A	296
9/27/99	131	0.93	0.149	7	292.9
10/5/99	112	0.98	0.14	N/A	303
10/27/99	101	0.475	0.531	12	284.4
11/2/99	144	1.12	0.26	12.6	316
11/9/99	111	N/A	0.23	N/A	314
11/21/99	101	0.3	0.26	10.5	288.2
12/1/99	136	1.54	0.24	N/A	298
12/7/99	475	N/A	0.2	N/A	302
12/20/99	357	2.075	0.12	<5	299.3
1/10/00	252	1.91	0.17	9.22	290
1/11/00	242	N/A	0.13	N/A	303
2/7/00	161	N/A	0.21	N/A	300
2/15/00	156	1.71	0.22	N/A	202
2/29/00	432	1.335	0.284	5.1	306.7
3/13/00	458	N/A	0.11	N/A	289
3/21/00	395	1.58	0.17	N/A	283
3/28/00	363	1.005	0.244	<5	2.6
4/10/00	331	N/A	0.1	N/A	277
4/12/00	360	1.22	0.19	N/A	277
4/25/00	365	0.995	0.214	<5	270
5/1/00	439	N/A	0.17	N/A	273
5/22/00	360	N/A	0.19	N/A	293
5/23/00	334	0.682	0.19	7.52	280
6/6/00	285	1.04	0.14	N/A	299
6/12/00	229	N/A	0.1	N/A	299
6/27/00	2160	3.665	0.087	<5	280
7/10/00	904	N/A	0.1	N/A	293
7/25/00	382	1.71	0.18	6.86	306
7/31/00	1220	0.765	0.13	<5	537.5
8/15/00	208	1.24	0.18	N/A	301
8/21/00	166	N/A	0.16	N/A	314
8/29/00	122	0.915	0.286	<5	296
9/6/00	94	0.95	0.22	N/A	309
9/14/00	132	N/A	0.44	N/A	323
9/26/00	219	0.05	0.374	7.9	261.6
10/2/00	130	N/A	0.34	N/A	316
10/11/00	95	1.1	0.21	N/A	301
10/23/00	106	N/A	0.44	N/A	336
10/24/00	108	1.205	0.411	8.7	269
11/5/00	193	N/A	0.25	N/A	332
11/27/00	583	N/A	0.12	N/A	324
11/28/00	515	2.296	0.098	7.215	305.5
12/11/00	220	1.96	0.09	N/A	322

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
12/28/00	252	N/A	0.07	N/A	314
1/8/01	276	N/A	0.18	N/A	313
1/16/01	845	2.91	0.1	8.11	316
1/28/01	312	N/A	0.28	N/A	312
2/6/01	995	3.695	0.117	<5	286.5
2/20/01	1460	N/A	0.1	N/A	291
3/6/01	1300	3.775	N/A	<5	269
3/12/01	774	N/A	0.12	N/A	288
3/20/01	578	3.13	0.12	N/A	279
4/1/01	420	N/A	0.11	N/A	292
4/3/01	405	2.145	0.104	<5	237
4/16/01	373	1.92	0.06	N/A	270
4/23/01	328	N/A	0.13	N/A	295
5/8/01	228	1.475	0.242	7	N/A
5/14/01	277	N/A	0.19	N/A	295
5/22/01	366	1.77	0.17	7.59	296
6/5/01	985	1.765	0.175	<5	267
6/11/01	386	N/A	0.09	N/A	291
6/12/01	343	1.29	0.22	N/A	281
6/25/01	408	N/A	0.15	N/A	295
7/10/01	194	1.105	0.13	5.9	243
7/16/01	175	N/A	0.16	N/A	296
8/6/01	134	N/A	0.21	N/A	309
8/7/01	128	0.565	0.155	6.7	316
8/20/01	96	0.34	0.15	N/A	310
8/27/01	92	N/A	0.05	N/A	311
9/10/01	205	0.325	0.209	8.6	N/A
9/16/01	123	N/A	0.2	N/A	301
9/18/01	194	0.73	0.33	N/A	302
10/2/01	116	0.435	0.391	10.5	318.6
10/24/01	274	1.38	0.32	N/A	317
10/29/01	248	N/A	0.3	N/A	326
11/6/01	324	1.185	0.287	6.5	253
11/18/01	238	N/A	0.31	N/A	302
11/27/01	437	1.7	0.21	9.33	317
12/9/01	316	N/A	0.21	N/A	326
12/11/01	290	1.89	0.09	N/A	318
12/31/01	522	N/A	0.13	N/A	322
1/7/02	388	3.01	0.08	9.03	315
1/21/02	287	N/A	0.2	N/A	323
2/5/02	1320	2.705	0.082	5	269
2/11/02	734	2.81	0.135	N/A	309
3/11/02	910	N/A	0.22	N/A	298
3/12/02	856	2.1025	0.0665	5	280
4/1/02	891	N/A	0.1	N/A	281
4/8/02	2110	0.05	0.093	N/A	251.8
4/16/02	1060	1.8	0.06	5	272
4/22/02	754	N/A	1	N/A	291
5/7/02	2410	1.885	0.219	5	360.8
5/20/02	3740	N/A	0.11	N/A	248
5/21/02	2810	2.16	0.08	4.97	260
6/4/02	1020	N/A	N/A	N/A	278.3
6/11/02	760	N/A	0.06	N/A	279
6/18/02	914	1.96	0.09	N/A	293
7/9/02	356	1.755	0.158	5	285.3
7/18/02	326	N/A	0.16	N/A	320
7/23/02	402	1.991	0.24	7.48	304
8/7/02	189	N/A	0.09	N/A	317
8/26/02	159	1.25	0.2	N/A	307
9/3/02	119	2.015	0.449	9.1	287.5
9/5/02	112	N/A	0.09	N/A	326
9/10/02	95	0.67	0.31	N/A	318
9/30/02	73	N/A	0.55	N/A	318
10/1/02	70	1.315	0.284	10.8	249
10/10/02	70	N/A	0.08	N/A	330
10/14/02	70	N/A	0.14	N/A	344
10/16/02	71	N/A	0.35	N/A	330

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
10/22/02	93	N/A	0.24	N/A	274
10/29/02	206	1.995	0.304	10.4	285.75
11/3/02	155	N/A	0.08	17	346
11/5/02	152	2.34	0.35	11.7	343
11/6/02	150	N/A	0.35	N/A	257
11/22/02	107	N/A	0.35	N/A	260
12/3/02	95	N/A	0.24	N/A	202
12/9/02	149	1.1925	0.108	8	287.8
12/12/02	135	N/A	0.2	N/A	203
12/28/02	178	N/A	0.26	N/A	210
1/2/03	136	3.06	0.17	9.8	314.5
1/28/03	122	N/A	0.3	N/A	217
1/29/03	125	1.805	0.325	10.9	265
2/9/03	117	N/A	0.04	N/A	318
2/10/03	121	1.95	0.18	N/A	306
2/26/03	621	2.325	0.125	<10	263
3/10/03	462	N/A	0.05	N/A	266
3/19/03	375	N/A	0.26	N/A	372
3/24/03	881	2.44	0.11	N/A	286
4/7/03	769	1.905	0.121	<10	230.2
4/9/03	731	N/A	0.09	N/A	215
4/14/03	487	1.8	0.18	N/A	285
4/20/03	368	N/A	0.02	N/A	290
5/10/03	376	N/A	0.03	7	280
5/12/03	317	1.014	0.16	9.46	292
5/13/03	370	0.995	0.285	<10	282.2
5/14/03	1580	N/A	0.22	N/A	213
6/8/03	310	N/A	0.06	N/A	306
6/16/03	447	1.2075	0.086	<10	273.5
7/7/03	155	0.71	0.18	9.35	295
7/20/03	144	N/A	0.04	8	331
7/21/03	136	0.605	0.143	<10	273.4
7/24/03	176	N/A	0.15	N/A	413
8/7/03	108	N/A	0.3	N/A	364
8/19/03	72	N/A	0.24	N/A	383
8/20/03	69	0.39	0.11	N/A	325
8/23/03	60	N/A	0.05	N/A	342
8/26/03	55	0.445	0.135	16	288.9
9/2/03	221	N/A	0.1	N/A	336
9/9/03	124	0.95	0.09	N/A	352
9/14/03	142	N/A	0.06	N/A	350
9/18/03	105	N/A	0.24	N/A	334
9/30/03	79	0.945	0.19	16.3	324.8
10/1/03	79	N/A	0.21	N/A	313
10/14/03	114	0.67	0.14	N/A	344
10/16/03	122	N/A	0.24	N/A	297
10/30/03	80	N/A	0.09	N/A	298
11/3/03	88	0.58	0.08	17.3	346
11/5/03	107	0.665	0.1	13.4	359
11/13/03	118	N/A	0.02	N/A	272
11/20/03	470	N/A	0.16	N/A	260
12/2/03	178	1.305	0.559	<10	296.1
12/4/03	174	N/A	0.63	N/A	245
12/9/03	165	1.43	0.23	N/A	335
12/18/03	517	N/A	<0.01	N/A	222
1/8/04	629	N/A	0.06	N/A	204
1/22/04	958	3.06	0.05	7.82	208
1/27/04	663	2.955	0.055	<10	324
2/9/04	619	2.64	0.04	N/A	318
2/22/04	379	N/A	0.06	N/A	237
2/24/04	347	2.525	0.043	<10	304.1
3/7/04	3340	N/A	0.08	N/A	197
3/10/04	1420	3.4	0.05	N/A	266
4/2/04	1370	N/A	0.06	N/A	224
4/5/04	888	2.395	0.041	<10	263.8
4/19/04	510	N/A	0.04	N/A	248
4/20/04	498	1.56	0.02	N/A	290

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
5/10/04	893	2.26	0.04	6.62	259
5/17/04	1210	1.755	0.043	<10	261.3
5/24/04	593	N/A	0.05	N/A	280
6/8/04	324	1.89	0.06	N/A	306
6/14/04	533	N/A	0.09	N/A	308
6/21/04	334	1.875	0.057	<10	310.8
7/12/04	1180	N/A	0.08	N/A	306
7/19/04	447	N/A	0.07	N/A	309
7/20/04	413	1.93	0.05	8.09	331
7/26/04	500	1.825	0.08	<10	303.6
8/2/04	616	N/A	0.18	N/A	323
8/13/04	288	N/A	0.07	N/A	414
8/23/04	222	1.58	0.05	N/A	342
8/30/04	148	1.605	0.059	<10	314
9/14/04	106	1.49	0.06	N/A	350
10/4/04	80	1.265	0.041	14.4	344
11/8/04	720	2.635	0.064	<10	332.3
11/30/04	2860	2.445	0.079	<10	262.1
1/31/05	803	3.025	0.039	<10	231.8
3/2/05	944	2.015	0.022	<10	247.3
4/5/05	753	1.69	0.056	<10	257.8
5/9/05	441	1.27	0.033	<10	240.1
6/15/05	1090	1.35	0.099	<10	164.1
8/3/05	104	0.41	0.036	10.3	242
8/23/05	119	0.45	0.046	13.1	291
9/26/05	68	0.37	0.036	16.4	N/A

Appendix G. Water Quality Neosho River Raw Data (compiled from EPA STORET, KDHE, MODNR, OCC, OWRB, USGS)

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
2/5/69	4270	N/A	N/A	17	408
3/5/69	3090	N/A	N/A	21	551
4/23/69	6360	N/A	N/A	18	400
5/15/69	8920	N/A	N/A	15	397
6/2/69	20200	N/A	N/A	13	274
7/18/69	10800	N/A	N/A	4.2	257
7/30/69	9210	N/A	N/A	7.6	340
8/13/69	714	N/A	N/A	15	401
9/10/69	629	N/A	N/A	15	464
9/11/69	668	N/A	N/A	18	456
10/8/69	423	N/A	N/A	16	475
10/14/69	25400	N/A	N/A	9	182
10/15/69	24900	N/A	N/A	4	150
11/5/69	4300	N/A	N/A	10	383
11/18/69	981	N/A	N/A	22	517
12/9/69	590	N/A	N/A	24	580
12/12/69	752	N/A	N/A	22	577
1/12/70	590	N/A	N/A	24	640
1/29/70	817	N/A	N/A	23	611
2/9/70	497	N/A	N/A	25	655
2/12/70	347	N/A	N/A	24	663
3/9/70	440	N/A	N/A	34	660
4/6/70	6940	N/A	N/A	14	311
5/11/70	8700	N/A	N/A	8	368
6/18/70	10900	N/A	N/A	8	290
7/13/70	527	N/A	N/A	15	414
8/24/70	244	N/A	N/A	13	339
9/21/70	780	N/A	N/A	8.1	406
10/13/70	7020	N/A	N/A	14	367
11/17/70	438	N/A	N/A	14	420
12/15/70	1060	N/A	N/A	18	484
1/19/71	840	N/A	N/A	20	564
2/17/71	733	N/A	N/A	22	560
3/18/71	1300	N/A	N/A	15	455
4/29/71	1020	N/A	N/A	22	555
5/27/71	5950	N/A	N/A	25	521
6/24/71	12000	N/A	N/A	5	240
7/23/71	1420	N/A	N/A	9.7	346
8/25/71	685	N/A	N/A	11	372
9/9/71	192	N/A	N/A	13	434
10/27/71	973	N/A	N/A	11	301
11/22/71	1280	N/A	N/A	20	510
12/28/71	1430	N/A	N/A	18	514
1/25/72	816	N/A	N/A	24	629
2/16/72	1400	N/A	0.12	24	686
3/29/72	420	N/A	0.06	30	640
4/26/72	3510	N/A	0.06	38	546
5/24/72	1480	N/A	N/A	N/A	380
5/30/72	612	N/A	N/A	13	406
6/28/72	227	N/A	0.1	17	475
7/27/72	2240	N/A	0.22	12	330
8/30/72	526	N/A	0.1	22	411
9/26/72	2600	N/A	0.15	11	400
10/26/72	1240	N/A	N/A	14	353
11/29/72	2060	N/A	N/A	18	420
12/20/72	7810	N/A	N/A	13	327
1/30/73	7680	N/A	N/A	14	365
2/28/73	1670	N/A	N/A	19	533
3/21/73	20500	N/A	N/A	8	275
4/24/73	26200	N/A	N/A	5.6	232
5/23/73	11000	N/A	N/A	11	436
6/27/73	921	N/A	N/A	15	381
11/11/75	173	N/A	N/A	N/A	560
12/16/75	1700	N/A	N/A	N/A	610
1/20/76	186	N/A	0.03	42	540
2/19/76	113	N/A	0.1	39	540

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
3/16/76	752	N/A	0.28	28	480
4/13/76	116	N/A	0.44	76	620
5/17/76	2150	N/A	0.22	19	340
6/15/76	1000	N/A	0.16	25	450
7/20/76	2840	N/A	0.11	15	500
8/17/76	586	N/A	0.08	24	480
9/14/76	47	N/A	0.11	95	550
10/20/76	67	N/A	0.1	25	580
11/17/76	57	N/A	0.08	32	400
12/7/76	75	N/A	0.09	35	510
2/15/77	146	N/A	0.25	52	630
3/15/77	237	N/A	0.2	31	490
4/13/77	56	N/A	0.21	46	800
5/18/77	2730	N/A	0.366	34	560
6/29/77	13000	N/A	0.467	9	300
7/20/77	4040	N/A	N/A	N/A	400
8/24/77	4860	N/A	0.264	13	400
9/20/77	3560	N/A	0.311	11	310
10/18/77	748	0.6	0.21	16	450
11/15/77	5610	0.6	0.28	10	320
12/20/77	680	0.8	0.105	19	570
2/22/78	2640	1.3	0.19	39	500
3/21/78	1630	1	0.184	11	400
4/18/78	6520	1.2	0.25	16	420
5/24/78	7730	0.7	0.33	8	400
6/20/78	4870	0.5	0.23	2	210
7/25/78	247	0.1	0.135	19	511
8/22/78	65	0.4	9	1	610
9/20/78	127	0.1	0.11	8	490
10/24/78	28	0.4	0.168	19	500
11/14/78	48	N/A	0.157	19	480
12/28/78	44	0.1	N/A	23	560
2/14/79	80	1.7	0.2	24	420
3/14/79	3530	1.9	0.4	9	320
4/24/79	1270	N/A	0.155	13	450
5/24/79	2020	0.9	0.355	16	380
6/21/79	3540	0.9	0.2	10	380
7/12/79	17500	0.6	N/A	8	140
8/23/79	264	<0.5	N/A	9	380
9/27/79	154	<0.5	0.09	25	480
8/26/80	62	<0.5	0.16	15	475
9/24/80	52	<0.5	0.115	18	368
11/1/85	13400	N/A	N/A	N/A	263
12/17/85	4050	N/A	N/A	N/A	510
2/19/86	4000	N/A	N/A	N/A	545
5/15/86	5020	N/A	N/A	N/A	368
6/19/86	620	N/A	N/A	N/A	490
7/29/86	628	N/A	N/A	N/A	380
10/28/87	118	N/A	N/A	N/A	376
6/2/88	959	N/A	N/A	13	534
7/20/88	4270	N/A	N/A	7.4	280
8/29/88	89	N/A	N/A	13	364
10/4/88	239	N/A	N/A	6.8	345
12/1/88	744	N/A	N/A	8.4	306
2/14/89	327	N/A	N/A	N/A	440
3/29/89	5850	N/A	N/A	19	515
3/30/89	7340	N/A	N/A	14	N/A
5/10/89	64	N/A	N/A	16	655
5/24/89	15700	N/A	N/A	6.6	193
10/24/00	77	0.355	0.148	<5	344
11/28/00	47	<0.05	0.106	7.4	327
2/7/01	1460	1.380	0.226	15.8	403
3/7/01	7480	1.220	0.276	10	401
4/4/01	1650	1.170	0.207	7.9	408.2
5/9/01	328	<0.05	0.124	10.4	N/A
6/6/01	13900	0.880	0.545	6.6	195
7/11/01	482	0.550	0.202	<5	297

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
8/8/01	731	<0.05	0.138	5.4	418
9/11/01	352	0.085	0.133	8.5	N/A
11/7/01	200	0.150	0.279	5	281
2/6/02	777	1.150	0.294	8	295
3/13/02	256	<0.05	0.068	10.9	658
4/9/02	122	<0.05	0.074	16	546.4
5/8/02	20600	1.190	1.040	10.5	349.4
6/4/02	916	N/A	N/A	N/A	285
7/10/02	267	<0.05	0.117	5	436.7
9/4/02	50	<0.05	0.104	8.3	470.4
10/1/02	43	<0.05	0.127	9.1	328
10/30/02	47	<0.05	0.076	13.5	315.9
12/10/02	59	<0.05	0.046	13.4	415.8
1/28/03	56	<0.05	0.038	16.3	478.7
2/25/03	335	<0.05	0.069	19.5	520.4
4/7/03	1760	0.330	0.319	<10	315.8
5/12/03	2850	1.030	0.344	<10	303
6/17/03	1330	0.425	0.176	<10	369
7/21/03	72	<0.05	0.101	10.6	400.7
8/26/03	22	<0.05	0.083	10.9	412
9/30/03	286	0.855	0.237	<10	267.8
11/4/03	265	0.255	0.136	<10	408
12/3/03	203	0.775	0.203	<10	324.5
1/26/04	2790	0.905	0.196	19.7	375
2/23/04	3080	0.375	0.144	14.5	469.3
3/5/04	31200	N/A	N/A	N/A	174
3/29/04	21500	N/A	N/A	<10	229
4/5/04	4180	0.965	0.286	<10	425.3
5/17/04	3270	1.240	0.251	<10	295
6/14/04	24100	N/A	N/A	<10	160
6/22/04	9960	0.660	0.336	<10	353
7/26/04	2470	0.525	0.217	<10	325.3
8/21/04	514	N/A	N/A	<10	466
8/31/04	367	<0.05	0.140	<10	400.4
10/4/04	60	<0.05	0.090	12.1	499
11/8/04	1170	0.395	0.265	<10	267.6
11/30/04	3650	0.425	0.239	<10	220.8
2/1/05	1740	0.465	0.113	10.4	414.5
3/2/05	2120	0.515	0.153	<10	390.4
4/5/05	2430	0.500	0.189	10.9	524.4
5/9/05	489	<0.05	0.116	10.3	502.8
6/15/05	35000	0.350	0.340	<10	80.6
8/3/05	736	<0.05	0.166	<10	321
8/23/05	1090	<0.05	0.192	<10	346
9/26/05	598	3.59	0.176	<10	N/A

Appendix H. Water Quality Spring River Raw Data (compiled from EPA STORET, KDHE, MODNR, OCC, OWRB, USGS)

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
7/23/69	213	N/A	0.23472	16	460
7/24/69	213	N/A	0.21516	15	450
7/25/69	220	N/A	0.23472	14	450
7/26/69	223	N/A	0.25428	14	450
7/27/69	205	N/A	0.16626	16	440
7/28/69	188	N/A	0.17604	17	460
7/29/69	180	N/A	0.15322	16	470
10/11/72	100	N/A	0.4564	36	400
10/12/72	95	N/A	0.5216	28	410
10/13/72	91	N/A	0.5868	27	410
10/14/72	94	N/A	0.652	25	400
10/15/72	99	N/A	0.652	21	430
10/16/72	99	N/A	0.652	29	420
10/17/72	96	N/A	0.7172	31	430
11/9/74	2550	1.92	0.14	N/A	N/A
12/14/74	1760	1.52	0.26	N/A	N/A
1/4/75	2000	1.54	0.195	N/A	N/A
2/15/75	998	2.4	0.17	N/A	N/A
3/14/75	4220	1.2	0.19	N/A	N/A
4/18/75	806	1.88	0.13	N/A	N/A
5/17/75	636	2.2	0.2	N/A	N/A
7/26/75	300	2.2	0.37	N/A	N/A
8/9/75	147	2.3	0.34	N/A	N/A
9/6/75	145	1.5	0.35	N/A	N/A
10/18/75	153	2.4	0.38	N/A	N/A
11/11/75	180	N/A	N/A	340	
12/16/75	762	N/A	0.42	33	360
1/20/76	298	N/A	0.4	13	360
2/19/76	188	N/A	0.4	22	460
3/16/76	759	N/A	0.23	15	360
4/13/76	385	N/A	0.296	34	380
4/21/76	17400	N/A	0.652	9	190
4/22/76	6560	N/A	0.3097	7	230
4/23/76	3820	N/A	0.18256	8	240
4/24/76	2850	N/A	0.55	6	270
4/25/76	2540	N/A	N/A	8	290
4/26/76	2180	N/A	N/A	9	300
4/27/76	1890	N/A	N/A	290	
5/17/76	1010	N/A	0.22	19	310
6/15/76	442	N/A	0.19	24	350
7/20/76	587	N/A	0.17	9	340
8/17/76	433	N/A	0.16	22	360
9/14/76	320	N/A	0.21	95	320
10/20/76	132	N/A	0.29	14	310
11/17/76	127	N/A	0.39	18	420
12/7/76	169	N/A	0.46	21	420
2/15/77	258	N/A	0.59	45	400
3/15/77	859	N/A	0.6	10	295
4/13/77	407	N/A	0.56	24	390
5/18/77	194	N/A	0.368	9	340
6/29/77	410	N/A	0.312	7	280
7/20/77	122	N/A	N/A	390	
8/24/77	301	N/A	0.262	9	310
9/20/77	237	N/A	0.302	9	350
10/18/77	188	3	0.257	11	390
11/15/77	533	2.2	0.215	8	400
12/20/77	441	2.8	0.195	10	340
1/26/78	244	2.9	0.283	12	430
2/22/78	546	0.6	0.267	13	460
3/21/78	1720	2.5	0.187	11	360
4/18/78	1590	2.9	0.131	9	340
5/24/78	844	1.7	0.795	6	200
6/20/78	1450	3.3	0.16	2	300
7/25/78	218	2.3	0.185	7	304
8/22/78	151	3	0.235	<1	340
9/20/78	119	2.8	0.265	3	320

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
10/24/78	97	N/A	0.309	12	360
11/14/78	144	N/A	0.347	9	370
12/28/78	155	2.6	0.186	11	340
2/14/79	442	4.6	0.3	12	375
3/14/79	618	2.9	0.39	8	290
4/24/79	875	2.8	0.16	7	280
5/24/79	542	1.4	0.32	14	220
6/21/79	309	2.7	0.14	9	330
7/12/79	275	2.3	0.25	N/A	320
8/23/79	258	3.3	0.185	8	360
9/27/79	122	2.7	0.12	N/A	350
8/26/80	162	4.2	0.26	13	420
9/24/80	60	3.2	0.14	14	378
2/20/86	1490	N/A	N/A	N/A	280
5/7/86	630	N/A	N/A	N/A	376
7/29/86	94	N/A	N/A	N/A	410
6/1/88	249	N/A	N/A	12	386
7/19/88	126	N/A	N/A	12	362
8/30/88	78	N/A	N/A	8.4	207
9/29/88	227	N/A	N/A	11	327
9/30/88	210	N/A	N/A	10	327
10/6/88	139	N/A	N/A	12	412
11/30/88	652	N/A	N/A	8.4	320
5/9/89	342	N/A	N/A	9.4	370
12/1/98	582	N/A	0.102	10.45	429.9
1/26/99	223	N/A	0.179	14.7	412.7
2/22/99	513	N/A	0.121	9.7	365
2/23/99	481	N/A	0.219	9.7	N/A
3/29/99	1220	N/A	0.1355	7.3	330.1
4/27/99	7390	N/A	0.318	5	110.6
5/24/99	1250	N/A	0.177	6.05	316.4
6/29/99	1430	N/A	0.252	5	160.5
7/26/99	350	N/A	0.112	5.95	355.9
8/18/99	172	N/A	0.1155	10.45	369.4
9/27/99	131	N/A	0.205	11.75	379.9
10/27/99	101	N/A	0.1745	13.6	373.5
11/21/99	101	N/A	0.171	14.5	416.9
12/20/99	357	N/A	0.233	7.1	339.8
2/29/00	432	N/A	0.323	8	335.6
3/16/00	397	N/A	N/A	N/A	390.77
3/28/00	363	N/A	0.151	11.1	397
4/11/00	344	1.27	0.134	N/A	400
4/25/00	365	N/A	0.2	9.8	410
5/16/00	649	1.63	0.158	N/A	336
6/21/00	8280	N/A	N/A	N/A	160
6/28/00	1920	N/A	0.218	5.7	303
7/11/00	785	1.49	0.132	N/A	352
7/31/00	1220	N/A	0.255	5	700
8/7/00	339	0.974	0.133	N/A	354
8/29/00	122	N/A	0.25	8.1	393
9/26/00	219	N/A	0.374	15.9	352.1
10/24/00	108	N/A	0.28	12.8	286
11/28/00	515	N/A	0.176	16.5	420
2/7/01	914	N/A	0.191	10	318
3/7/01	1180	N/A	0.139	7.5	358
4/4/01	392	N/A	0.106	9.9	361.4
5/9/01	209	N/A	N/A	N/A	N/A
6/6/01	744	N/A	0.344	5.4	203
7/11/01	181	N/A	0.193	10.5	299
8/8/01	112	N/A	0.241	8.7	329
9/11/01	170	N/A	0.198	18.4	N/A
10/3/01	112	N/A	0.155	20.7	419.1
11/7/01	311	N/A	0.317	9	268
2/5/02	1320	N/A	0.196	7.7	289
3/12/02	856	N/A	0.173	10.6	345
4/8/02	2110	N/A	0.17	N/A	381.6
5/7/02	2410	N/A	0.166	10	587.8

Date	Flow	Nitrite plus Nitrate	Total Phosphorus	Chloride	Specific Conductivity
6/4/02	1020	N/A	N/A	N/A	324.1
7/9/02	356	N/A	0.139	8.2	349.4
9/3/02	119	N/A	0.237	12.2	357.4
10/1/02	70	N/A	0.205	18.4	332
10/29/02	206	N/A	0.266	16.6	325.6
12/9/02	149	N/A	0.231	20.4	419.5
1/29/03	125	N/A	0.275	30	430.9
2/25/03	668	N/A	0.284	35.5	477
4/7/03	769	N/A	0.249	12.2	276.4
5/12/03	317	N/A	0.236	12.1	328.8
6/17/03	392	N/A	0.222	10.8	293
7/21/03	136	N/A	0.216	15.2	374.3
8/26/03	55	N/A	0.237	19.6	377.8
9/30/03	79	N/A	0.184	19.6	417.7
11/4/03	87	N/A	0.206	20.9	486
12/2/03	178	N/A	0.246	15.8	378.9
1/26/04	682	N/A	0.128	10	355
2/23/04	379	N/A	0.092	15.9	398.3
2/24/04	347	N/A	0.005	N/A	N/A
3/4/04	7180	N/A	N/A	N/A	259
3/29/04	6720	N/A	N/A	<10	212
4/5/04	888	N/A	0.127	10	328.6
5/17/04	1210	N/A	0.256	10	242.6
6/14/04	533	N/A	N/A	<10	272
6/21/04	334	N/A	0.214	10	330.3
7/26/04	500	N/A	0.17	10	334.3
7/27/04	414	N/A	0.005	N/A	N/A
8/20/04	222	N/A	N/A	<10	337.64
8/30/04	148	N/A	0.261	10.6	370.3
8/31/04	141	N/A	N/A	11	414
10/4/04	80	N/A	0.19	16.5	407
10/5/04	78	N/A	0.005	N/A	N/A
11/8/04	720	N/A	0.246	10.4	340.2
11/9/04	629	N/A	0.005	N/A	N/A
11/30/04	2860	N/A	0.258	10	248.3
12/1/04	2710	N/A	0.009	N/A	N/A
1/31/05	803	N/A	0.107	10	304.9
2/1/05	765	N/A	0.009	N/A	N/A
3/2/05	944	N/A	0.091	10	322.1
4/5/05	753	1.62	0.121	11.9	358.7
4/6/05	986	N/A	0.005	N/A	N/A
5/9/05	441	1.52	0.132	11	329.9
5/10/05	430	N/A	0.005	N/A	N/A
6/15/05	1090	1.11	0.31	10	156.1
8/3/05	104	0.43	0.234	13.4	341
8/23/05	119	0.71	0.26	16.7	367