

**SURFACE-WATER-QUALITY ASSESSMENT OF THE LOWER KANSAS
RIVER BASIN, KANSAS AND NEBRASKA: PROJECT DATA,
NOVEMBER 1986 THROUGH APRIL 1990**

By James D. Fallon and Jennifer A. McChesney

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CONVERSION FACTORS

<i>Multiply</i>	<i>By</i>	<i>To obtain</i>
inch	25.4	millimeter
mile	1.609	kilometer
square mile	2.590	square kilometer
acre	4,047	square meter
foot per second	0.3048	meter per second
cubic foot per second	0.02832	cubic meter per second
ton per day	0.0105	kilogram per second
degree Fahrenheit (°F)	(¹)	degree Celsius (°C)

¹ °F = 9/5 (°C) + 32.
 °C = 5/9 (°F - 32).

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ABSTRACT

This report presents the surface-water-quality data collected from November 1986 through April 1990 during the pilot phase of the U.S. Geological Survey's National Water-Quality Assessment Program. The report discusses the methods used to collect, analyze, and verify the accuracy of the data collected during the assessment of the lower Kansas River Basin in Kansas and Nebraska. Ninety-one sites sampled in the study area were grouped into three nonexclusive categories (fixed, synoptic, and miscellaneous sites) on the basis of sampling frequency and location. Data include physical properties, concentrations of dissolved solids and major ions, dissolved and total nutrients, dissolved and total major metals and trace elements, radioactivity, organic carbon, synthetic-organic compounds and biological constituents in water; particle-size distributions and concentrations of major metals and trace elements in suspended and streambed sediment; and concentrations of synthetic-organic compounds in streambed sediment.

INTRODUCTION

Background

In 1986, the U.S. Congress began appropriating funds for the U.S. Geological Survey to test and refine concepts for a National Water-Quality Assessment (NAWQA) Program. The goals of the program (Hirsch and others, 1988) are to:

1. Provide a nationally consistent description of current water-quality conditions for a large part of the Nation's water resources.
2. Define long-term trends (or lack of trends) in water quality.
3. Identify, describe and explain, to the extent possible, the major factors that affect observed water-quality conditions and trends.

The lower Kansas River Basin was selected as one of seven study units in the Nation for the pilot phase of the program. The focus in this study unit was surface-water quality. Data collection on the lower Kansas River Basin began in November 1986 and continued through April 1990 as part of the pilot phase. A report on the analysis of available data through 1986 (Jordan and Stamer, 1991) was written to provide an initial assessment of surface-water quality in the lower Kansas River Basin in Kansas and Nebraska. The report also described areas where pertinent surface-water-quality data were lacking, based on available surface-water-quality, land-use, water-use, climatological, fish-tissue, geologic, and soils data.

Purpose and Scope

The purpose of this report is to present the data collected from sampling sites within the lower Kansas River Basin NAWQA study unit, to describe the methods of water- and sediment-sample collection and analysis, and to summarize the quality-assurance program utilized in the assessment. Physical properties, concentrations of dissolved solids and major ions, suspended and streambed sediment, dissolved and total nutrients, organic carbon, radioactivity and biological constituents in water, as well as major metals and trace elements in water, suspended and streambed sediment, and synthetic-organic compounds in water and streambed sediment are presented for 91 sampling sites (tables 1 to 19, inclusive, at the end of this report). An additional 36 sampling sites on principal first-, and second-order streams were used to determine selenium concentrations in streambed sediment (table 20 at the end of this report).

DESCRIPTION OF SAMPLING SITES

The lower Kansas River Basin is located in northeast Kansas and southeast Nebraska. The area is bounded on the upstream end by the

confluence of the Republican and Smoky Hill Rivers, which together form the Kansas River, and on the downstream end by the Missouri River, into which the Kansas River flows (plate 1).

The sampling sites used during the study were grouped into three nonexclusive categories on the basis of sampling frequency and type of sampling--fixed, synoptic, and miscellaneous (table 1). Thirteen fixed sites were sampled on a monthly and event-oriented basis to obtain water samples representative of the flow conditions that occurred. Fixed-sampling sites generally included locations: (1) near the confluence of major tributaries and selected points on the main stem that account for a large part of the total basin runoff; (2) upstream and downstream from reservoirs, urban areas, and other areas that could substantially affect water quality; (3) on streams draining large areas that have relatively uniform land use; and (4) near major public water-supply intakes or other important water uses (Hirsch and others, 1988). Kings Creek near Manhattan, Kansas (site 3, plate 1), located on the Konza Prairie Natural Research Area, was the only exception. It was included to document a pristine watershed. Analysis from fixed-sampling sites are useful for determining statistical trends in the water quality of the basin. Samples were collected at fixed-sampling sites for the determination of physical properties of water, concentrations of dissolved solids and major ions, dissolved major metals and trace elements, dissolved nutrients, suspended sediment, pesticides, radioactivity, and organic carbon in water. Additionally, suspended sediment was analyzed for major metals and trace elements.

Samples at three of the fixed sites were collected in cooperation with the Kansas Department of Health and Environment (Topeka). The three sites were the Delaware River near Muscotah, Kansas (site 72, plate 1), the Delaware River below Perry Dam, Kansas (site 74, plate 1), and the Wakarusa River near Lawrence, Kansas (site 83, plate 1). Routine monthly laboratory analyses of samples from these sites were divided between laboratories of the Kansas Department of Health and Environment in Topeka, Kansas, and the U.S. Geological Survey in Arvada, Colorado. Additional analyses were performed by the Kansas Depart-

ment of Health and Environment for the determination of total metals and nutrients in water.

Synoptic-sampling sites generally were located on principal streams at intervals of less than 50 miles. Each synoptic survey was conducted during as short a time as possible to evaluate concentrations of selected water-quality constituents under similar hydrologic conditions. Most surveys were performed in less than 5 days. The sites sampled and the types of constituents analyzed varied with the purpose of the synoptic survey. The synoptic stations can be classified into one of two general categories: (1) those in which surface water was analyzed for the determination of dissolved oxygen and other constituents and (2) those in which streambed sediment was collected for the analysis of trace elements or synthetic-organic compounds. Seventy-seven sites including the 13 fixed-sampling sites are synoptic-sampling sites (table 1); 60 sites were sampled in every full-scale synoptic survey; two sites (Kings Creek near Manhattan, Kansas, site 3, plate 1, and Beaver Creek 2 miles southwest of York, Nebraska, site 20, plate 1) were sampled if flow was observed; 15 other synoptic-sampling sites were only sampled during the synoptic surveys for the collection of streambed sediment (table 2).

Six synoptic surveys were conducted to assess dissolved-oxygen concentrations, colony counts of *Escherichia-coli* bacteria, and concentrations of nutrients, pesticides, and trace elements in selected stream reaches during times of minimum streamflow when the hydrologic system was under stress. These surveys were conducted in the early spring, late spring, summer, and fall from September 1987 to July 1989 to assess seasonal variability of the constituents. Streambed-sediment samples were collected during one reconnaissance synoptic survey and two full-scale synoptic surveys. Samples were collected during the reconnaissance at a limited number of sites during November 1986 to assess concentrations of trace elements in streambed sediment. All samples collected during the synoptic survey of October 1987 were analyzed for trace elements, and some also were analyzed for synthetic organic compounds. During the last synoptic survey for the analysis of streambed sediment in

April 1989, samples were analyzed for synthetic organic compounds only. A total of 80 sites were sampled during the three streambed-sediment surveys: (1) the 62 sites that also were sampled during the synoptic surveys to assess dissolved-oxygen concentrations; (2) the 15 other synoptic sites sampled during both October 1987 and April 1989; and (3) miscellaneous sites, each of which was sampled only during one of the three streambed-sediment surveys. The three miscellaneous sites (Kansas River near Zeandale, Kansas, site 53; Butcher Creek at Kansas Place, Topeka, Kansas, site 68; and Coon Creek tributary near Lecompton, Kansas, site 75, plate 1) are not synoptic sites because sampling was not intended to be repeated at them during the study. The 15 synoptic sites and the 3 miscellaneous sites noted in the previous two sentences were sampled for ancillary purposes, such as evaluating the presence or absence of constituents downstream of urban or pristine areas.

Special surveys were conducted at selected synoptic-sampling sites and miscellaneous sites. Six synoptic and miscellaneous sites located downstream from major urban areas in the study unit were sampled to evaluate the presence or absence of volatile or purgeable organic compounds from industrial sources (table 17). Eleven miscellaneous sites were sampled throughout a growing season to document the presence or absence of selected pesticides in runoff from different land-use types. These samples were collected from first-order streams with drainage areas of less than 50 acres that were homogeneous with respect to crop type or urban activity. In 1987, 97 sites on principal, first-, and second-order streams were sampled by the Geologic Division of the U.S. Geological Survey for the determination of selenium concentrations in streambed sediment (table 20 and fig. 1).

METHODS

Sample Collection and Processing

Personnel from the Water Resources Division of the U.S. Geological Survey collected all of the water-quality samples for the analyses presented in this report, except for the selenium in streambed-sediment samples noted in the previous section. Measurements and analyses of

chemical constituents performed onsite during the study included specific conductance, pH, water temperature, and alkalinity at fixed-sampling sites. In addition, barometric pressure and dissolved oxygen were determined at all sites sampled during the low-flow synoptic surveys.

Specific conductance and pH were measured either in the stream, at or near the centroid of flow, or determined from water samples representative of streamflow. Specific-conductance and pH meters were calibrated and operated according to the instruction manuals provided by the manufacturers. Water temperatures were measured using techniques outlined by Stevens and others (1975). Analyses of alkalinity were performed on filtered water samples immediately after collection in accordance with instructions in U.S. Geological Survey, Quality of Water Branch Technical Memorandum 82.05 (December 11, 1981).

Dissolved-oxygen measurements were made in the stream using meters calibrated and operated according to U.S. Geological Survey, Quality of Water Branch Technical Memorandum Number 79.10 (March 14, 1979). Barometers used in calibrating dissolved-oxygen meters were referenced to the National Weather Service local stations' barometric-pressure readings. At the three fixed-sampling sites operated monthly in cooperation with the Kansas Department of Health and Environment, dissolved-oxygen measurements were made using Winkler titrations (Brown and others, 1970) by Kansas Department of Health and Environment personnel. These dissolved-oxygen samples were preserved with reagents for later analyses.

Water samples were collected for analyses of inorganic compounds, nutrients, suspended sediment, synthetic-organic compounds, radioactivity, *Escherichia* bacteria and chlorophyll. Water samples for analyses of inorganic compounds, nutrients, and suspended sediment were collected using U.S. Geological Survey approved, depth-integrating samplers and methods described by Edwards and Glysson (1988). Samples usually were collected by the equal-width-increment method and composited in a churn splitter. Occasionally, the equal-discharge-increment method was used if, after

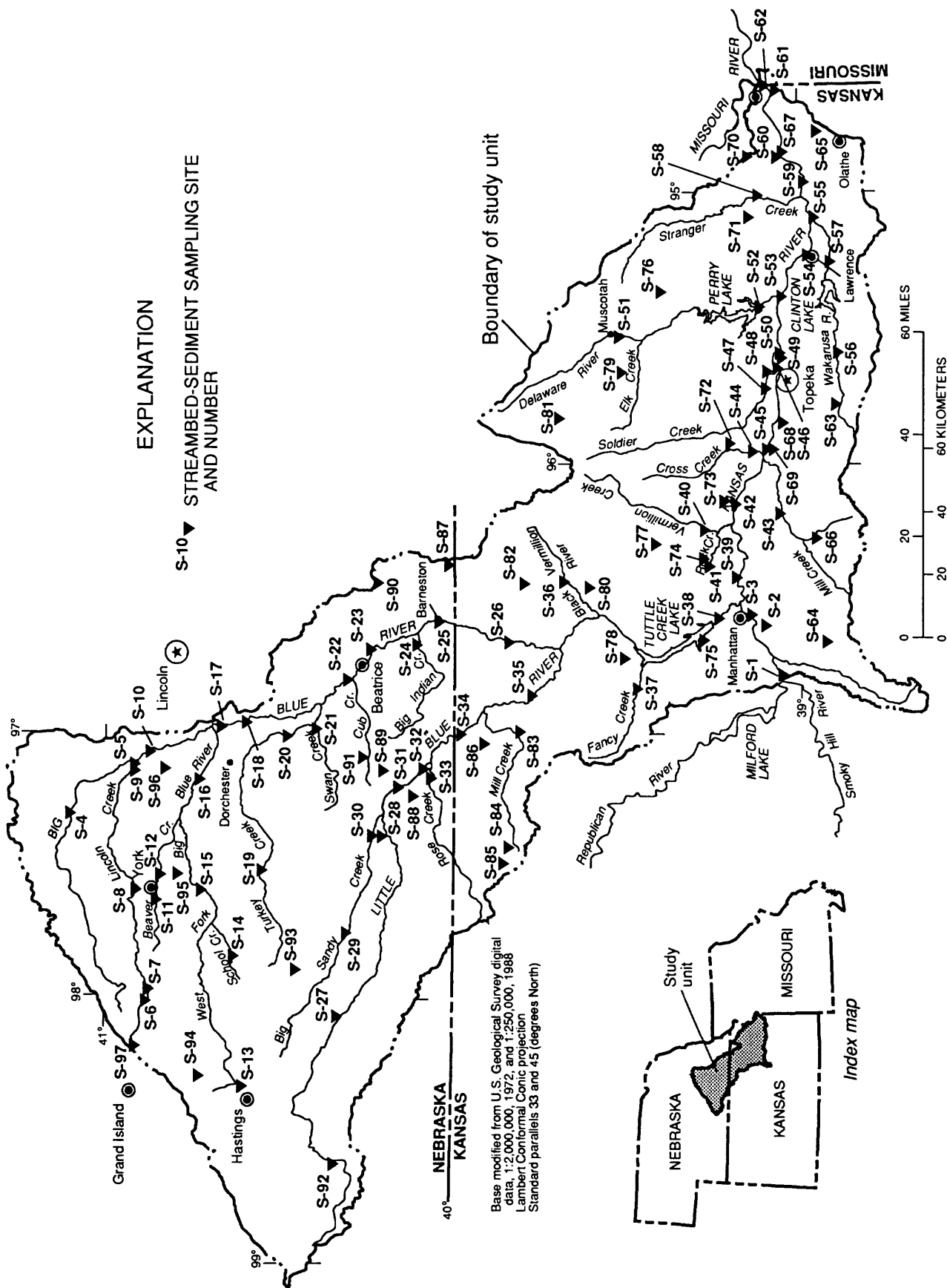


Figure 1. Location of streambed-sampling sites used to determine selenium concentrations in principal, first-, and second-order streams in lower Kansas River Basin, 1987.

measuring the discharge, the flow was felt to be suitable for the equal-discharge-increment method of sample collection.

Some sites warranted special sampling techniques. Dip samples were obtained at Kings Creek near Manhattan, Kansas (site 3, plate 1), and at other sampling sites during periods of small streamflow because the stream depths were too shallow to use a depth-integrating sampler, and the flows were determined to be well mixed according to water-quality field measurements. At Black Vermillion River near Frankfort, Kansas (site 50, plate 1), dip samples were sometimes collected when the stream velocity was less than 1 foot per second. At Delaware River below Perry Dam, Kansas (site 74, plate 1), outflow from the reservoir flowed directly into backwater from the Kansas River. As a result, the only way to sample the outflow was to lower a churn directly into water running down the spillway. An automatic sampler was installed at Kings Creek near Manhattan, Kansas (site 3, plate 1), to obtain samples that might have been missed due to rapid changes in flow conditions. Samples were collected with an automatic sampler on September 8 and 9, 1989, and on March 13, 1990.

Samples for inorganic analyses were composited and split using a U.S. Geological Survey approved churn splitter with methods outlined in U.S. Geological Survey, Quality of Water Branch Technical Memorandum 78.03 (January 17, 1978). Water collected in a stream cross section for suspended-sediment analysis generally was composited and obtained from the churn, unless a large amount of sand was visible in each collection bottle. In such cases, water samples were collected separately for analysis of suspended sediment. Samples were prepared for laboratory analysis according to methods described by Ward and Harr (1990). Samples were shipped using overnight delivery to minimize potential chemical changes in time-sensitive samples.

Traditionally, dissolved trace-element concentrations have been reported in micrograms per liter ($\mu\text{g/L}$). Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Present data

greater than the microgram-per-liter level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in the near future.

Collection of water samples for the analysis of radioactivity was performed according to guidelines reported by Thatcher and others (1977). Water samples were collected for analysis of organic compounds, including pesticides and industrial-organic compounds, using methods described by Wershaw and others (1987). Depth-integrated pesticide samples were collected in clean, baked, glass bottles. Samples were collected using approved, depth-integrating samplers or by dipping the bottle into the stream near the centroid of flow or at several intervals of equal stream width if the stream was shallow or well mixed with velocities less than 1 foot per second.

Purgeable-organic samples were collected in clean, baked, 40-milliliter glass vials. At sites where streams were shallow enough to wade, vials were opened and filled beneath the water surface near the center of flow. Care was taken not to agitate or aerate the sample. Samples were obtained from other sites using a D74AL sampler. To avoid contaminating the water sample or vial, the vial was handled with cleaned metal tongs. A vial was placed in a baked, clean, 1-liter wide-mouth bottle, which was placed in the sampler. Teflon¹ tubing with an outer diameter matching the inner diameter of the sampler nozzle was threaded through the nozzle and into the 40-milliliter vial located in the 1-liter bottle in the sampler. The sampler was lowered into the stream near the center of flow and allowed to fill in a depth-integrated manner. After filling, the vial was removed from the 1-liter bottle with tongs. All sample vials collected were capped, and care was taken not to leave an air space in the sample. This method of

¹ The use of brand names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

collection minimized the risk of sample volatilization and contamination from any equipment used in sample collection. Organic samples were chilled on ice and sent via overnight delivery to minimize potential changes to the samples.

Streambed-sediment samples were collected and analyzed for trace organics and metals. Streambed sediment for trace organic analysis was collected using a protocol developed by J.A. Colman (U.S. Geological Survey, written commun., July 30, 1987). Clean, baked, 1-liter jars with Teflon lids or clean, baked mason jars with an aluminum-foil cap liner (dull side toward the sample) were used to hold the sediment. Samples were collected by scooping up the top 0.4 inch of streambed material using the sample jar itself or a cleaned Pyrex plate. Jars were filled so that the sediment did not contact the lid when sealed. The desired fine-grained sediment was collected in low-energy, depositional zones, such as those found on the inside bends of streams or downstream of islands and obstructions. If possible, a dark, organic silt was collected. At each site, material was collected from the streambed near both banks of the stream as a minimum. Care was taken not to collect samples downstream of any known point sources of contamination, such as garbage or trash. Samples were intended to be representative of recent deposition and not the streambed cross section.

After collection, sediment samples were wet-sieved onsite through a 2-millimeter sieve into a Pyrex pie pan using native water. The sieved material was placed in clean jars, capped, chilled, and sent overnight to the laboratory for analysis.

Streambed sediment for trace-metal analysis was collected in areas of recent deposition as well. The upper 0.4 inch of bed material was collected from both sides of the stream as a minimum. Generally, the desired fine sediment was found in places similar to those described for trace organic analysis of bed material--areas where the stream velocity was slow. Samples were collected with Pyrex plates or nylon spoons. The collected material was wet-sieved onsite through a stainless-steel sieve using native water. A different sieve size was used for each survey. A 180-micrometer sieve was used to get a gross assessment of trace-

element concentrations for a limited number of synoptic sites sampled during the reconnaissance in November 1986. A 63-micrometer sieve was used to evaluate trace-element concentrations in silt- and clay-sized bed sediments during the synoptic survey in October 1987. Sediment passing through the sieve was collected in clean, 1-liter glass jars with Teflon-lined lids and sent to a U.S. Geological Survey laboratory for analysis. Streambed-sediment samples collected for the determination of selenium concentrations were either wet-sieved onsite or dry-sieved in the laboratory at a later date to assess the degree of correlation between the two methods.

Biological samples collected included chlorophyll and *Escherichia coli*. Chlorophyll samples were collected and preserved with methods conforming to those noted by Britton and Greeson (1987). *Escherichia coli* samples were collected using methods reported by Britton and Greeson (1987).

The U.S. Geological Survey has traditionally analyzed fecal-streptococci and fecal-coliform bacteria as bacteriological-indicator organisms of water quality. Fecal streptococci are indicators of contamination because their normal habitat is in the intestines of humans and other mammals, and they do not multiply significantly in the environment. Fecal coliform also are present in the intestines of humans and other mammals. *Escherichia coli* is a species of fecal coliform that, in 1985, the U.S. Environmental Protection Agency recommended for use as an indicator organism for the presence of fecal contamination. Since *Escherichia coli* inhabits the intestines of warmblooded animals, studies have found that there is a direct relation between the density of *Escherichia coli* present in the water and the risk of gastrointestinal illness associated with swimming in the water (Booth, 1985). *Escherichia coli* was analyzed in this study as part of the National Water-Quality Assessment Program's tasks to test and implement new methods of water-quality assessment within the U.S. Geological Survey.

Sample Analysis

All sample analyses were performed by the U.S. Geological Survey's National Water-

Quality Laboratory in Arvada, Colorado, unless otherwise noted in the following paragraphs. Inorganic compounds in water, including major and minor ions, and nutrients were analyzed by using methods compiled by Fishman and Friedman (1989). Detection levels for metals and nutrients in water vary depending on the laboratory that performed the analyses and the analytical methods used. Radioactivities were measured by using methods summarized in Thatcher and others (1977). Organic compounds in water were determined by using methods described in Wershaw and others (1987). Suspended-sediment concentration and particle-size distribution analyses were performed by personnel of the U.S. Geological Survey in Lawrence, Kansas, using methods conforming to Guy (1977).

Samples collected for the determination of organic compounds in water, including organic carbon and pesticides, were analyzed by using methods described by Wershaw and others (1987). The variation of exceedance levels in suspended organic-carbon analyses resulted from processing variable volumes of water to produce the filtrate needed for analysis. The detection levels of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides vary with the type of analysis performed and the sample volume used for the analysis.

Samples for analysis of organic compounds and selenium in bed material collected during October 1987 were analyzed by the U.S. Geological Survey's Geologic Division laboratory (Menlo Park, California) with methods specified by Wershaw and others (1987). Organic-compound samples collected during the synoptic survey in April 1989 were analyzed by the Tennessee Valley Authority using laboratory techniques described in Wershaw and others (1987), the National Handbook of Recommended Methods for Water Data Acquisition, Chapter 5, and (or) U.S. Environmental Protection Agency approved methods (Interagency agreement between Tennessee Valley Authority and U.S. Geological Survey, Contract No. TV-69190A, Subagreement No. 14, written commun., 1988). Varying levels of detection are the result of analyses performed by different laboratories, the use of different standard concentrations during analyses, or interferences from other compounds.

Chlorophyll concentrations were determined by using methods noted in Britton and Greeson (1987). *Escherichia-coli* sample colonies were prepared and evaluated by using the membrane-filter procedure endorsed by the U.S. Environmental Protection Agency (Booth, 1985). Sample analysis was performed by personnel of the U.S. Geological Survey in Lawrence, Kansas. To obtain consistent results, the same person filtered, plated, and incubated all samples, and one other person performed all colony counts on prepared plates. Detection levels for chlorophyll-*b* concentrations vary according to the original volume of sample filtered and the volume extracted during analysis.

Quality Assurance

The following paragraphs describe the methods of quality assurance that were used to ensure that: (1) the water samples collected were representative of streamflow and that the bed sediments were representative of streambed conditions; (2) sample contamination and sample mix-up were prevented; and (3) analytical results were verifiably accurate.

Equipment and supplies were cared for in a manner that lessened the chance of sample contamination, thereby safeguarding accurate results. The churn splitter and filtering apparatus were cleaned with a phosphate-free detergent, soaked with a 5-percent hydrochloric-acid solution, and rinsed with deionized water. Other equipment, such as the stainless-steel organic-carbon filter unit, beakers, and pipets, also were cleaned between collection sites with a phosphate-free detergent and rinsed with deionized water.

Meters were maintained and thoroughly checked to ensure that all parts were in good, working condition before data collection. Probes for pH and dissolved-oxygen meters were filled with fresh solutions, and dissolved-oxygen probe membranes were replaced frequently without trapping air bubbles that interfere with the measurements. Meters were calibrated properly before use with fresh standard solutions that bracketed the value of the sample. Between uses, meters were transported and stored in a safe and clean manner.

Bacteriological equipment was cleaned, wrapped in kraft paper, dated, and autoclaved before use. Agar for plating bacteria was prepared fresh and used before the expiration date. Both the agar and sterile-buffer water were discarded properly after use or when the expiration date had passed. Other reagent and preservative stocks were rotated on a first-in, first-out basis and stored indoors to assure stability and freshness.

Samples for analysis were collected in accordance with U.S. Geological Survey Techniques for Water Resources Investigations or other references, as noted previously, and in agreement with U.S. Geological Survey guidelines (U.S. Geological Survey, Lawrence, Kansas, written commun., 1988). Quality-assurance samples, which included standard reference samples, duplicates, replicates, deionized-water blanks, equipment blanks, trip blanks, and matrix spikes comprised approximately 21 percent of all samples submitted for analyses. Results of quality-assurance analyses were flagged as quality-assurance samples and entered into the computer data base like all other analyses results. A fictitious site name and identification number were used for analyses, which were from anything other than pure, native-water samples. All duplicate and replicate analysis results are published in this report. The remaining quality-assurance sample analyses results are available from the U.S. Geological Survey's water-quality data base in Lawrence, Kansas. Field notes and a field logbook were kept with recordings of discharges, the types of samplers and nozzle sizes used, sampling conditions, the number of sections sampled, volume of water collected for laboratory analysis, and any other pertinent information that might be useful in evaluating the data.

Procedures were followed to prevent contamination when handling and treating a set of samples for analysis. To prevent a preservative for one sample in the set from contaminating a different one in the set, samples were treated in a specific order. Ultra-pure nitric acid, then standard nitric acid, and finally potassium dichromate were added to the three different samples for analysis of metals. Latex gloves worn during sample processing were rinsed and dried before mercuric chloride was

added to nutrient samples. This procedure minimized the risk of the nitric acid contaminating the nutrient samples and mercuric chloride contaminating the sample for mercury analysis. While onsite, used ampoules immediately were discarded into a 1-liter glass jar, half-filled with water, and sealed with a Teflon-lined lid to prevent preservative fumes from contaminating any vulnerable samples.

All samples were promptly chilled, if required, and shipped to the laboratory via overnight delivery. Nutrient samples with mercuric-chloride preservative were mailed in coolers separate from trace-element samples to prevent contamination of samples requiring mercury analysis.

The following procedures were used to maintain completeness of data files. Data were organized by water year. Available pertinent information related to each sample was filed chronologically by sample for each site for each water year. Contents of the computer data base were checked after entry to ensure that data entry was complete and consistent with the field notes. This was accomplished by tabulating the data and looking for incomplete or missing analyses and by comparison with the field notes and laboratory reports. Verification of water-quality field measurements and stream-discharge values stored in the computer data base was checked at this time.

The validity of the data was checked by plotting both the data for the study and historical data on Piper diagrams and regression plots. Chemical logic checks were performed on the data. Samples failing chemical logic checks were evaluated further. These samples were listed by site, date, time, and by the constituent(s) that appeared to be questionable. These lists were compared by sites to identify problems with particular constituents during certain time periods. Analytical results for reference samples also were used to determine the likelihood of analytical errors. Quality-assurance printouts from the U.S. Geological Survey's National Water-Quality Laboratory were used to aid in determining if there were analytical problems associated with particular constituents. Verification of laboratory data was requested for constituents that appeared to be questionable and could not be

resolved in other ways. Data that were known to be erroneous were deleted from the computer data base.

ORGANIZATION OF DATA TABLES

Tables 1-3 present descriptions of the sampling sites in different arrangements. Table 1 lists sampling sites in downstream order along with the latitude and longitude coordinates, drainage area, and station type of sampling site. In table 2, sampling sites are arranged in alphabetical order, and a matrix of the types of analyses determined at each site is included. Sampling sites are listed by ascending U.S. Geological Survey identification number in table 3. For cross reference, all three tables contain the site name, U.S. Geological Survey identification number, and downstream-order number. The downstream-order numbers correspond to the map reference numbers on plate 1.

Tables 4 to 19, inclusive, contain surface-water-quality data. Each table contains data for a different set of constituents. Constituent groups are divided into eight different categories: (1) physical properties, (2) dissolved solids and major ions, (3) sediment concentration, (4) nutrients, (5) major metals, trace elements, and cyanide, (6) radioactivity measurements, (7) organic compounds, and (8) biological constituents. Table 20 presents streambed- sediment data for selenium that were collected by the Geologic Division of the U.S. Geological Survey. To conserve space, most constituent groups have been divided further into subgroups on the basis of sample media and laboratory- analysis schedules.

When available, U.S. Environmental Protection Agency identification codes have been included below the constituent names. The U.S. Geological Survey uses these parameter codes in its computer data base as described by Schornick and others (1989) "... for storing the results of laboratory or field analyses on samples of water, sediment, biota, atmospheric deposition, and other types of environmental samples. Each parameter code and its associated description or definition identifies the constituent in question, some reference to the medium from which the sample was collected, the size of the filter used, the particle size, the reporting form of the constituent, for example, as CaCO_3 , and the units of

measurement. A given constituent may be represented by any number of parameter codes, but each code is distinct from the other codes for that same constituent by changes in the sampling medium, the phase of the sampling medium, the filter size, the reporting form, or the reporting units. If any component of the parameter code changes, a new parameter code is defined."

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Table 1. *Sampling sites listed in downstream order, latitude-longitude coordinates, drainage area, and type of sampling site*

[--, data not available]

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Sampling-site name	Latitude- longitude coordinates	Drainage area (square miles)	Type of sampling site
1	06879100	Kansas River at Fort Riley, Kans.	39°57'22"	44,870	FS
2	390255096435000	Clarks Creek near Fort Riley, Kans.	39°02'55"	--	S
3	06879650	Kings Creek near Manhattan, Kans.	39°06'07"	4.09	FS
4	390833096332500	Kansas River near Manhattan, Kans.	39°08'33"	--	S
5	06879820	Kansas River at Manhattan, Kans.	39°10'52"	45,228	S
6	06879900	Big Blue River at Surprise, Nebr.	41°06'05"	345	S
7	405457097071800	Big Blue River 1 mile northwest of Seward, Nebr.	40°54'57"	--	S
8	405249098010000	Lincoln Creek at Aurora, Nebr.	40°52'49"	55	S
9	405221097582100	Lincoln Creek near Aurora, Nebr.	40°52'21"	60	S
10	405438097354800	Lincoln Creek near York, Nebr.	40°54'38"	179	S
11	06880000	Lincoln Creek near Seward, Nebr.	40°54'57"	446	S
12	06880500	Big Blue River at Seward, Nebr.	40°54'10"	1,099	S
13	405220097042500	Big Blue River 2 miles southeast of Seward, Nebr.	40°52'20"	--	S
14	405220097024000	Bean field near Seward, Nebr.	40°52'20"	.02	M
15	405128097032000	Milo field near Seward, Nebr.	40°51'28"	.02	M
16	403611098200600	West Fork Big Blue River near Hastings, Nebr.	40°36'11"	--	S
17	404247097580600	West Fork Big Blue River near Stockham, Nebr.	40°42'47"	316	S
18	403749097503400	School Creek near Sutton, Nebr.	40°37'49"	--	S
19	404327097354600	West Fork Big Blue River near McCool Junction, Nebr.	40°43'27"	640	S
20	405108097380600	Beaver Creek 2 miles southwest of York, Nebr.	40°51'08"	--	S
21	405029097322100	Beaver Creek near York, Nebr.	40°50'29"	195	S
22	404432097111100	Nonirrigated cornfield near Dorchester, Nebr.	40°44'32"	.06	M

Table 1. Sampling sites listed in downstream order, latitude-longitude coordinates, drainage area, and type of sampling site--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Sampling-site name	Latitude- longitude coordinates	Drainage area (square miles)	Type of sampling site
23	06880800	West Fork Big Blue River near Dorchester, Nebr.	40°43'52" 97°10'38"	1,206	F,S
24	404247097104000	Irrigated cornfield near Dorchester, Nebr.	40°42'47" 97°10'40"	.04	M
25	404007096583000	Big Blue River 3 miles north of Crete, Nebr.	40°40'07" 96°58'30"	--	S
26	06881000	Big Blue River near Crete, Nebr.	40°35'47" 96°57'36"	2,716	S
27	403304097311400	Turkey Creek near Geneva, Nebr.	40°33'04" 97°31'14"	--	S
28	06881200	Turkey Creek near Wilber, Nebr.	40°28'48" 97°00'43"	460	S
29	402348096591100	Swan Creek near Dewitt, Nebr.	40°23'48" 96°59'11"	240	S
30	401823096480700	Big Blue River 3 miles northwest of Beatrice, Nebr.	40°18'23" 96°48'07"	--	S
31	401730096500200	Cub Creek near Beatrice, Nebr.	40°17'30" 96°50'02"	140	S
32	06881500	Big Blue River at Beatrice, Nebr.	40°15'00" 96°45'00"	3,900	S
33	401425096412200	Big Blue River 3 miles southeast of Beatrice, Nebr.	40°14'25" 96°41'22"	--	S
34	400632096401600	Big Indian Creek near Wymore, Nebr.	40°06'32" 96°40'16"	204	S
35	06882000	Big Blue River at Barneston, Nebr.	40°03'11" 96°35'16"	4,447	F,S
36	06882510	Big Blue River at Marysville, Kans.	39°50'32" 96°39'39"	4,770	S
37	402726098240500	Little Blue River near Hastings, Nebr.	40°27'26" 98°24'05"	659	S
38	06883000	Little Blue River near Deweese, Nebr.	40°19'58" 98°04'20"	979	S
39	401243097433500	Little Blue River near Deshler, Nebr.	40°12'43" 97°43'35"	1,250	S
40	06883570	Little Blue River near Alexandria (Gilead), Nebr.	40°12'27" 97°23'26"	1,557	S
41	401826097451100	Big Sandy Creek near Davenport, Nebr.	40°18'26" 97°45'11"	250	S
42	06883940	Big Sandy Creek at Alexandria, Nebr.	40°14'06" 97°23'20"	607	S
43	400940097122000	Little Blue River 1.5 miles northwest of Fairbury, Nebr.	40°09'40" 97°12'20"	--	S
44	06884000	Little Blue River near Fairbury, Nebr.	40°06'54" 97°10'13"	2,350	S
45	400519097080700	Little Blue River near Endicott, Nebr.	40°05'19" 97°08'07"	--	S
46	400359097101400	Rose Creek near Fairbury, Nebr.	40°03'59" 97°10'14"	290	S
47	06884025	Little Blue River at Hollenberg, Kans.	39°58'48" 97°00'16"	2,752	F,S

Table 1. Sampling sites listed in downstream order, latitude-longitude coordinates, drainage area, and type of sampling site--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Sampling-site name	Latitude- longitude coordinates	Drainage area (square miles)	Type of sampling site
48	395513096561100	Mill Creek near Hanover, Kans.	39°55'13"	415	S
49	06884400	Little Blue River near Barnes, Kans.	39°46'33"	3,324	S
50	06885500	Black Vermillion River near Frankfort, Kans.	39°41'03"	410	F,S
51	06886500	Fancy Creek at Winkler, Kans.	39°28'20"	174	S
52	06887000	Big Blue River near Manhattan, Kans.	39°14'14"	9,640	F,S
53	391002096300100	Kansas River near Zeandale, Kans.	39°10'02"	--	M
54	391109096251000	Kansas River near Saint George, Kans.	39°11'09"	--	S
55	392844096093500	Vermillion Creek near Onaga, Kans.	39°28'44"	--	S
56	06888030	Vermillion Creek near Louisville, Kans.	39°16'42"	297	S
57	06888300	Rock Creek near Louisville, Kans.	39°15'53"	128	S
58	06888350	Kansas River near Belvue, Kans.	39°11'15"	55,870	S
59	06888500	Mill Creek near Paxico, Kans.	39°03'44"	316	F,S
60	390820095571500	Cross Creek at Rossville, Kans.	39°08'20"	--	S
61	06888705	Kansas River at Willard, Kans.	39°05'54"	56,100	S
62	06889000	Kansas River at Topeka, Kans.	39°04'00"	56,720	F,S
63	06889160	Soldier Creek near Circleville, Kans.	39°27'47"	49.3	S
64	06889500	Soldier Creek near Topeka, Kans.	39°06'00"	290	S
65	390545095394600	Soldier Creek at old U.S. Highway 75 near Topeka, Kans.	39°05'45"	--	S
66	390056095420102	Detention basin, west inflow, at Topeka, Kans.	39°00'56"	--	M
67	390056095420101	Detention basin, east inflow, at Topeka, Kans.	39°00'56"	--	M
68	06889635	Butcher Creek at Kansas Place, Topeka, Kans.	39°01'01"	4.7	M
69	390316095364600	Shunganunga Creek at Croco Road, Topeka, Kans.	39°03'16"	65.0	S
70	390334095354300	Kansas River near Tecumseh, Kans.	39°03'34"	--	S
71	394757095434300	Delaware River near Fairview, Kans.	39°47'57"	--	S
72	06890100	Delaware River near Muscotah, Kans.	39°31'17"	431	F,S

Table 1. Sampling sites listed in downstream order, latitude-longitude coordinates, drainage area, and type of sampling site--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Sampling-site name	Latitude- longitude coordinates	Drainage area (square miles)	Type of sampling site ¹
73	392823095362800	Elk Creek near Larkinburg, Kans.	39°28'23"	--	S
74	06890900	Delaware River below Perry Dam, Kans.	39°06'51"	1,117	F,S
75	390157095262500	Coon Creek tributary near Lecompton, Kans.	39°01'57"	--	M
76	06891000	Kansas River at Lecompton, Kans.	39°03'07"	58,460	S
77	06891080	Kansas River at Lawrence, Kans.	38°58'31"	--	S
78	06891100	Kansas River at Eudora, Kans.	38°57'22"	--	S
79	385329095353400	Wakarusa River near Berryton, Kans.	38°53'29"	--	S
80	385608095174400	Wheat field, site 3, at Lawrence, Kans.	38°56'08"	--	M
81	385608095175400	Bean field, site 2, at Lawrence, Kans.	38°56'08"	--	M
82	385802095182500	Wheat field, site 1, at Lawrence, Kans.	38°58'02"	--	M
83	06891500	Wakarusa River near Lawrence, Kans.	38°54'40"	425	F,S
84	385516095151000	Cornfield, site 4, at Lawrence, Kans.	38°55'16"	--	M
85	385359095143000	Pasture, site 5, at Lawrence, Kans.	38°53'59"	--	M
86	06891850	Stranger Creek at Easton, Kans.	39°20'47"	216	S
87	06892000	Stranger Creek near Tonganoxie, Kans.	39°06'59"	406	S
88	06892350	Kansas River at DeSoto, Kans.	39°59'00"	59,756	F,S
89	06892500	Kansas River at Bonner Springs, Kans.	39°03'37"	59,928	S
90	06892940	Turkey Creek at Kansas City, Kans.	39°03'31"	22.3	S
91	06892950	Kansas River at Kansas City, Kans.	39°05'24"	60,098	S

¹ Explanation of types of sampling sites: F, fixed-sampling site; S, synoptic-sampling site; M, miscellaneous or reconnaissance sampling site.

Table 2. Sampling sites listed in alphabetical order and types of analyses performed on samples from each site listed by table number

[X, analysis performed; --, analysis not performed]

Sampling site (alphabetical order)	Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Table 4.--Physical properties	Table 5.--Dissolved major ions in water	Table 6.--Suspended-sediment concentration	Table 7.--Bed-sediment concentration	Table 8.--Nutrients in water	Table 9.--Trace elements and cyanide in water	Table 10.--Selected chemical elements in suspended sediment	Table 11.--Selected chemical elements in bed sediment	Table 12.--Radioactivity in water	Table 13.--Organic carbon in water	Table 14.--Carbamate insecticides in water	Table 15.--Organo- and chlorophenoxy pesticides in water	Table 16.--Triazine pesticides in water	Table 17.--Industrial organic compounds in water	Table 18.--Organic compounds in bed sediment	Table 19.--Biological constituents in water
Bean field near Seward, Nebr.	14	405220097024000	X	--	--	--	--	--	--	--	--	--	--	--	X	--	--	--
Bean field, site 2, at Lawrence, Kans.	81	385608095175400	X	--	--	--	--	--	--	--	--	--	--	--	X	--	--	--
Beaver Creek 2 miles southwest of York, Nebr.	20	405108097380600	X	--	--	X	--	--	--	X	--	--	--	--	--	--	--	--
Beaver Creek near York, Nebr.	21	405029097322100	X	X	X	X	X	--	--	X	--	X	--	--	X	X	X	X
Big Blue River 1 mile northwest of Seward, Nebr.	7	405457097071800	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Big Blue River 2 miles southeast of Seward, Nebr.	13	405220097042500	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Big Blue River 3 miles north of Crete, Nebr.	25	404007096583000	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Big Blue River 3 miles northwest of Beatrice, Nebr.	30	401823096480700	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Big Blue River 3 miles southeast of Beatrice, Nebr.	33	401425096412200	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Big Blue River at Barneston, Nebr.	35	06882000	X	X	X	X	X	X	X	X	X	X	X	X	X	--	X	X
Big Blue River at Beatrice, Nebr.	32	06881500	X	X	X	--	X	--	--	--	--	X	--	--	X	--	--	X
Big Blue River at Marysville, Kans.	36	06882510	X	X	X	X	X	--	--	X	--	X	X	X	X	--	X	X
Big Blue River at Seward, Nebr.	12	06880500	X	X	X	--	X	--	--	--	--	X	--	--	X	--	--	X
Big Blue River at Surprise, Nebr.	6	06879900	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Big Blue River near Crete, Nebr.	26	06881000	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Big Blue River near Manhattan, Kans.	52	06887000	X	X	X	X	X	X	X	X	X	X	X	X	X	--	--	X

Table 2. Sampling sites listed in alphabetical order and types of analysis performed on samples from each site listed by table number--Continued

Sampling site (alphabetical order)	Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Table 4.--Physical properties	Table 5.--Dissolved major ions in water	Table 6.--Suspended-sediment concentration	Table 7.--Bed-sediment concentration	Table 8.--Nutrients in water	Table 9.--Trace elements and cyanide in water	Table 10.--Selected chemical elements in suspended sediment	Table 11.--Selected chemical elements in bed sediment	Table 12.--Radioactivity in water	Table 13.--Organic carbon in water	Table 14.--Carbamate insecticides in water	Table 15.--Organo- and chlorophenoxy pesticides in water	Table 16.--Triazine pesticides in water	Table 17.--Industrial organic compounds in water	Table 18.--Organic compounds in bed sediment	Table 19.--Biological constituents in water
Big Indian Creek near Wymore, Nebr.	34	400632096401600	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Big Sandy Creek at Alexandria, Nebr.	42	06883940	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Big Sandy Creek near Davenport, Nebr.	41	401826097451100	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Black Vermillion River near Frankfort, Kans.	50	06885500	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	X
Butcher Creek at Kansas Place, Topeka, Kans.	68	06889635	X	-	-	X	-	-	-	X	-	-	-	-	-	-	-	-
Clarks Creek near Fort Riley, Kans.	2	390255096435000	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Coon Creek tributary near Lecompton, Kans.	75	390157095262500	X	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-
Corn field, site 4, at Lawrence, Kans.	84	385516095151000	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
Cross Creek at Rossville, Kans.	60	390820095571500	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Cub Creek near Beatrice, Nebr.	31	401730096500200	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Delaware River below Perry Dam, Kans.	74	06890900	X	X	X	X	X	X	X	X	X	X	-	-	X	-	X	X
Delaware River near Fairview, Kans.	71	394757095434300	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Delaware River near Muscotah, Kans.	72	06890100	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X
Detention basin, east inflow, at Topeka, Kans.	67	390056095420101	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
Detention basin, west inflow, at Topeka, Kans.	66	390056095420102	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
Elk Creek near Larkinburg, Kans.	73	392823095362800	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Fancy Creek at Winkler, Kans.	51	06886500	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Irrigated cornfield near Dorchester, Nebr.	24	404247097104000	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-

Table 2. Sampling sites listed in alphabetical order and types of analysis performed on samples from each site listed by table number--Continued

Sampling site (alphabetical order)	Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Table 4.--Physical properties	Table 5.--Dissolved major ions in water	Table 6.--Suspended-sediment concentration	Table 7.--Bed-sediment concentration	Table 8.--Nutrients in water	Table 9.--Trace elements and cyanide in water	Table 10.--Selected chemical elements in suspended sediment	Table 11.--Selected chemical elements in bed sediment	Table 12.--Radioactivity in water	Table 13.--Organic carbon in water	Table 14.--Carbamate insecticides in water	Table 15.--Organo- and chlorophenoxy pesticides in water	Table 16.--Triazine pesticides in water	Table 17.--Industrial organic compounds in water	Table 18.--Organic compounds in bed sediment	Table 19.--Biological constituents in water
Kansas River at Bonner Springs, Kans.	89	06892500	X	--	--	X	--	--	X	X	--	--	--	--	--	--	X	--
Kansas River at DeSoto, Kans.	88	06892350	X	X	X	X	X	X	X	X	X	X	X	X	X	--	X	X
Kansas River at Eudora, Kans.	78	06891100	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Kansas River at Fort Riley, Kans.	1	06879100	X	X	X	X	X	X	X	X	X	X	X	X	X	--	X	X
Kansas River at Kansas City, Kans.	91	06892950	X	X	X	X	X	--	--	X	--	X	--	--	X	X	X	X
Kansas River at Lawrence, Kans.	77	06891080	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Kansas River at Leocompton, Kans.	76	06891000	X	X	X	X	X	--	--	X	--	X	--	--	X	X	X	X
Kansas River at Manhattan, Kans.	5	06879820	X	X	X	--	X	--	--	--	--	X	--	--	X	X	--	X
Kansas River at Topeka, Kans.	62	06889000	X	X	X	X	X	X	X	X	--	X	X	X	X	--	X	X
Kansas River at Willard, Kans.	61	06888705	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Kansas River near Belvue, Kans.	58	06888350	X	X	X	X	X	--	--	X	--	X	X	X	X	--	X	X
Kansas River near Manhattan, Kans.	4	390633096332500	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Kansas River near Saint George, Kans.	54	391109096251000	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Kansas River near Tecumseh, Kans.	70	390334095354300	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Kansas River near Zeandale, Kans.	53	391002096300100	X	--	--	X	--	--	--	--	--	--	--	--	--	--	X	--
Kings Creek near Manhattan, Kans.	3	06879650	X	X	X	X	X	X	--	X	X	X	--	X	X	--	--	--
Lincoln Creek at Aurora, Nebr.	8	405249098010000	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Lincoln Creek near Aurora, Nebr.	9	405221097582100	X	X	X	X	X	--	--	X	--	--	--	--	X	--	X	X
Lincoln Creek near Seward, Nebr.	11	06880000	X	X	X	X	X	--	--	X	--	X	--	--	X	--	X	X
Lincoln Creek near York, Nebr.	10	405438097354800	X	X	X	X	X	--	--	X	--	X	X	--	X	--	X	X
Little Blue River 1.5 miles northwest of Fairbury, Nebr.	43	400940097122000	X	--	--	X	--	--	--	X	--	--	--	--	--	--	X	--
Little Blue River at Hollenberg, Kans.	47	06884025	X	X	X	X	X	X	X	X	X	X	X	X	X	--	X	X

Table 2. Sampling sites listed in alphabetical order and types of analysis performed on samples from each site listed by table number--Continued

Sampling site (alphabetical order)	Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Table 4.--Physical properties	Table 5.--Dissolved major ions in water	Table 6.--Suspended-sediment concentration	Table 7.--Bed-sediment concentration	Table 8.--Nutrients in water	Table 9.--Trace elements and cyanide in water	Table 10.--Selected chemical elements in suspended sediment	Table 11.--Selected chemical elements in bed sediment	Table 12.--Radioactivity in water	Table 13.--Organic carbon in water	Table 14.--Carbamate insecticides in water	Table 15.--Organic- and chlorophenox- pesticides in water	Table 16.--Triazine pesticides in water	Table 17.--Industrial organic compounds in water	Table 18.--Organic compounds in bed sediment	Table 19.--Biological constituents in water
Little Blue River near Alexandria (Gilead), Nebr.	40	06883570	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Little Blue River near Barnes, Kans.	49	06884400	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Little Blue River near Deshler, Nebr.	39	401243097433500	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Little Blue River near Deweese, Nebr.	38	06883000	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Little Blue River near Endicott, Nebr.	45	400519097080700	X	-	-	X	-	-	-	X	-	-	-	-	-	-	X	-
Little Blue River near Fairbury, Nebr.	44	06884000	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Little Blue River near Hastings, Nebr.	37	402726098240500	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Mill Creek near Hanover, Kans.	48	395513096561100	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Mill Creek near Paxico, Kans.	59	06888500	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Milo field near Seward, Nebr.	15	405128097032000	X	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-
Nonirrigated cornfield, near Dorchester, Nebr.	22	404432097111100	X	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-
Pasture, site 5, at Lawrence, Kans.	85	385359095143000	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
Rock Creek near Louisville, Kans.	57	06888300	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Rose Creek near Fairbury, Nebr.	46	400359097101400	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
School Creek near Sutton, Nebr.	18	403749097503400	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Shunganunga Creek at Croco Road, Topeka, Kans.	69	390316095364600	X	-	-	X	-	-	-	X	-	-	-	-	-	-	X	-
Soldier Creek at old U.S. Highway 75 near Topeka, Kans.	65	390545095394600	X	-	-	X	-	-	-	X	-	-	-	-	-	-	X	-
Soldier Creek near Circleville, Kans.	63	06889160	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Soldier Creek near Topeka, Kans.	64	06889500	X	X	X	X	X	-	-	X	-	X	X	X	X	-	X	X
Stranger Creek at Easton, Kans.	86	06891850	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X

Table 2. Sampling sites listed in alphabetical order and types of analysis performed on samples from each site listed by table number--Continued

Sampling site (alphabetical order)	Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Table 4.--Physical properties	Table 5.--Dissolved major ions in water	Table 6.--Suspended-sediment concentration	Table 7.--Bed-sediment concentration	Table 8.--Nutrients in water	Table 9.--Trace elements and cyanide in water	Table 10.--Selected chemical elements in suspended sediment	Table 11.--Selected chemical elements in bed sediment	Table 12.--Radioactivity in water	Table 13.--Organic carbon in water	Table 14.--Carbamate insecticides in water	Table 15.--Organo- and chlorophenoxy pesticides in water	Table 16.--Triazine pesticides in water	Table 17.--Industrial organic compounds in water	Table 18.--Organic compounds in bed sediment	Table 19.--Biological constituents in water
Stranger Creek near Tonganoxie, Kans.	87	06892000	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Swan Creek near Dewitt, Nebr.	29	402348096591100	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Turkey Creek at Kansas City, Kans.	90	06892940	X	X	X	X	X	-	-	X	-	X	X	X	X	-	X	X
Turkey Creek near Geneva, Nebr.	27	403304097311400	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Turkey Creek near Wilber, Nebr.	28	06881200	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Vermillion Creek near Louisville, Kans.	56	06888030	X	X	X	X	X	-	-	X	-	X	X	X	X	-	X	X
Vermillion Creek near Onaga, Kans.	55	392844096093500	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Wakarusa River near Berryton, Kans.	79	385329095353400	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
Wakarusa River near Lawrence, Kans.	83	06891500	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
West Fork Big Blue River near Dorchester, Nebr.	23	06880800	X	X	X	X	X	X	X	X	X	X	-	X	X	-	X	X
West Fork Big Blue River near Hastings, Nebr.	16	403611098200600	X	X	X	X	X	-	-	X	-	X	-	-	X	X	X	X
West Fork Big Blue River near McCool Junction, Nebr.	19	404327097354600	X	X	X	X	X	-	-	X	-	X	-	-	X	-	X	X
West Fork Big Blue River near Stockham, Nebr.	17	404247097580600	X	X	X	-	X	-	-	-	-	X	-	-	X	-	-	X
Wheat field, site 1, at Lawrence, Kans.	82	385802095182500	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-
Wheat field, site 3, at Lawrence, Kans.	80	385608095174400	X	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-

Table 3. *Sampling sites listed by ascending U.S. Geological Survey identification number*

U.S. Geological Survey identification number	Downstream order and map reference number (plate 1)	Sampling-site name
06879100	1	Kansas River at Fort Riley, Kans.
06879650	3	Kings Creek near Manhattan, Kans.
06879820	5	Kansas River at Manhattan, Kans.
06879900	6	Big Blue River at Surprise, Nebr.
06880000	11	Lincoln Creek near Seward, Nebr.
06880500	12	Big Blue River at Seward, Nebr.
06880800	23	West Fork Big Blue River near Dorchester, Nebr.
06881000	26	Big Blue River near Crete, Nebr.
06881200	28	Turkey Creek near Wilber, Nebr.
06881500	32	Big Blue River at Beatrice, Nebr.
06882000	35	Big Blue River at Barneston, Nebr.
06882510	36	Big Blue River at Marysville, Kans.
06883000	38	Little Blue River near Deweese, Nebr.
06883570	40	Little Blue River near Alexandria (Gilead), Nebr.
06883940	42	Big Sandy Creek at Alexandria, Nebr.
06884000	44	Little Blue River near Fairbury, Nebr.
06884025	47	Little Blue River at Hollenberg, Kans.
06884400	49	Little Blue River near Barnes, Kans.
06885500	50	Black Vermillion River near Frankfort, Kans.
06886500	51	Fancy Creek at Winkler, Kans.
06887000	52	Big Blue River near Manhattan, Kans.
06888030	56	Vermillion Creek near Louisville, Kans.
06888300	57	Rock Creek near Louisville, Kans.
06888350	58	Kansas River near Belvue, Kans.
06888500	59	Mill Creek near Paxico, Kans.
06888705	61	Kansas River at Willard, Kans.
06889000	62	Kansas River at Topeka, Kans.
06889160	63	Soldier Creek near Circleville, Kans.
06889500	64	Soldier Creek near Topeka, Kans.
06889635	68	Butcher Creek at Kansas Place, Topeka, Kans.
06890100	72	Delaware River near Muscotah, Kans.
06890900	74	Delaware River below Perry Dam, Kans.
06891000	76	Kansas River at Lecompton, Kans.
06891080	77	Kansas River at Lawrence, Kans.
06891100	78	Kansas River at Eudora, Kans.
06891500	83	Wakarusa River near Lawrence, Kans.
06891850	86	Stranger Creek at Easton, Kans.
06892000	87	Stranger Creek near Tonganoxie, Kans.
06892350	88	Kansas River at DeSoto, Kans.
06892500	89	Kansas River at Bonner Springs, Kans.

Table 3. *Sampling sites listed by ascending U.S. Geological Survey identification number--Continued*

U.S. Geological Survey identification number	Downstream order and map reference number (plate 1)	Sampling-site name
06892940	90	Turkey Creek at Kansas City, Kans.
06892950	91	Kansas River at Kansas City, Kans.
385329095353400	79	Wakarusa River near Berryton, Kans.
385359095143000	85	Pasture, site 5, at Lawrence, Kans.
385516095151000	84	Cornfield, site 4, at Lawrence, Kans.
385608095174400	80	Wheat field, site 3, at Lawrence, Kans.
385608095175400	81	Bean field, site 2, at Lawrence, Kans.
385802095182500	82	Wheat field, site 1, at Lawrence, Kans.
390056095420101	67	Detention basin, east inflow, at Topeka, Kans.
390056095420102	66	Detention basin, west inflow, at Topeka, Kans.
390157095262500	75	Coon Creek tributary near Lecompton, Kans.
390255096435000	2	Clarks Creek near Fort Riley, Kans.
390316095364600	69	Shunganunga Creek at Croco Road, Topeka, Kans.
390334095354300	70	Kansas River near Tecumseh, Kans.
390545095394600	65	Soldier Creek at old U.S. Highway 75 near Topeka, Kans.
390820095571500	60	Cross Creek at Rossville, Kans.
390833096332500	4	Kansas River near Manhattan, Kans.
391002096300100	53	Kansas River near Zeandale, Kans.
391109096251000	54	Kansas River near Saint George, Kans.
392823095362800	73	Elk Creek near Larkinburg, Kans.
392844096093500	55	Vermillion Creek near Onaga, Kans.
394757095434300	71	Delaware River near Fairview, Kans.
395513096561100	48	Mill Creek near Hanover, Kans.
400359097101400	46	Rose Creek near Fairbury, Nebr.
400519097080700	45	Little Blue River near Endicott, Nebr.
400632096401600	34	Big Indian Creek near Wymore, Nebr.
400940097122000	43	Little Blue River 1.5 miles northwest of Fairbury, Nebr.
401243097433500	39	Little Blue River near Deshler, Nebr.
401425096412200	33	Big Blue River 3 miles southeast of Beatrice, Nebr.
401730096500200	31	Cub Creek near Beatrice, Nebr.
401823096480700	30	Big Blue River 3 miles northwest of Beatrice, Nebr.
401826097451100	41	Big Sandy Creek near Davenport, Nebr.
402348096591100	29	Swan Creek near Dewitt, Nebr.
402726098240500	37	Little Blue River near Hastings, Nebr.
403304097311400	27	Turkey Creek near Geneva, Nebr.
403611098200600	16	West Fork Big Blue River near Hastings, Nebr.
403749097503400	18	School Creek near Sutton, Nebr.
404007096583000	25	Big Blue River 3 miles north of Crete, Nebr.
404247097104000	24	Irrigated cornfield near Dorchester, Nebr.
404247097580600	17	West Fork Big Blue River near Stockham, Nebr.

Table 3. *Sampling sites listed by ascending U.S. Geological Survey identification number--Continued*

U.S. Geological Survey identification number	Downstream order and map reference number (plate 1)	Sampling-site name
404327097354600	19	West Fork Big Blue River near McCool Junction, Nebr.
404432097111100	22	Nonirrigated cornfield near Dorchester, Nebr.
405029097322100	21	Beaver Creek near York, Nebr.
405108097380600	20	Beaver Creek 2 miles southwest of York, Nebr.
405128097032000	15	Milo field near Seward, Nebr.
405220097024000	14	Bean field near Seward, Nebr.
405220097042500	13	Big Blue River 2 miles southeast of Seward, Nebr.
405221097582100	9	Lincoln Creek near Aurora, Nebr.
405249098010000	8	Lincoln Creek at Aurora, Nebr.
405438097354800	10	Lincoln Creek near York, Nebr.
405457097071800	7	Big Blue River 1 mile northwest of Seward, Nebr.

Table 4. Physical properties and miscellaneous constituents

[Number in parentheses is U.S. Environmental Protection Agency identification code. $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25 degrees Celsius; deg C, degrees Celsius; mg/L, milligrams per liter; mm of Hg, millimeters of mercury; --, not determined; E, estimated]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance ($\mu\text{S}/\text{cm}$) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
1	06879100	05-14-87	1120	16,900	751	8.2	19.5	--	--	--
		06-03-87	1145	9,660	1,100	7.5	22.0	--	--	--
		06-22-87	1445	7,530	1,020	8.1	25.0	--	--	--
		07-21-87	0930	5,940	1,070	8.0	25.5	--	--	--
		08-18-87	1045	2,840	1,450	8.2	25.0	--	--	--
		09-21-87	1000	1,740	1,610	8.3	19.0	--	--	--
		09-29-87	1000	2,540	1,710	7.4	19.0	8.2	92	735
		10-14-87	1105	2,910	1,450	8.3	14.0	--	--	--
		10-20-87	1100	1,340	--	8.2	10.0	--	--	--
		11-23-87	1045	1,020	--	8.4	7.5	--	--	--
		12-21-87	1100	1,110	--	8.3	3.5	--	--	--
		01-22-88	1005	1,580	1,610	8.3	.5	--	--	--
		02-16-88	1030	1,400	1,440	8.2	1.0	--	--	--
		03-14-88	1030	1,070	--	8.1	2.5	--	--	--
		04-20-88	1120	700	2,010	8.3	17.0	--	--	--
		05-17-88	1230	552	--	8.3	21.0	--	--	--
		06-09-88	1200	465	1,710	7.8	27.0	--	--	--
		07-06-88	0855	542	1,030	8.4	26.5	--	--	--
		07-27-88	1300	353	1,830	8.4	28.0	9.3	123	739
		08-11-88	0940	505	--	8.4	29.0	--	--	--
		09-02-88	0920	660	1,270	8.2	22.5	--	--	--
		10-07-88	1230	625	--	8.6	15.0	--	--	--
		11-04-88	1315	306	2,140	8.5	13.0	--	--	--
		11-15-88	1205	289	2,600	8.3	15.0	10.2	108	718
		12-16-88	0910	300	2,160	8.6	0	--	--	--
		01-27-89	1015	341	1,980	8.6	2.5	--	--	--
		02-17-89	1210	331	1,930	8.3	.5	--	--	--
		03-08-89	1000	395	1,730	8.5	3.0	15.3	117	745

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
1	06879100	03-17-89	1000	348	1,670	8.5	9.0	--	--	--
		04-12-89	1240	313	2,090	8.3	14.5	--	--	--
		04-24-89	1035	318	1,850	8.3	20.5	--	--	--
		05-16-89	0815	342	1,560	8.2	18.0	--	--	--
		05-25-89	1100	1,750	497	7.8	22.5	--	--	--
		06-01-89	1010	500	1,250	8.0	21.0	8.6	100	740
		06-15-89	1005	2,910	648	7.7	20.5	--	--	--
		07-11-89	0830	692	409	8.0	27.0	--	--	--
		07-19-89	1150	520	1,120	8.3	26.0	7.2	92	736
		08-18-89	0835	374	1,200	8.5	23.0	--	--	--
		09-11-89	1045	9,270	467	8.1	21.0	--	--	--
		10-02-89	1030	681	985	8.4	17.0	--	--	--
		11-17-89	0900	413	1,410	8.7	5.0	--	--	--
		12-19-89	1115	3,240	741	8.4	1.0	--	--	--
2	390255096435000	01-10-90	1420	526	1,320	8.3	4.0	--	--	--
		02-09-90	0910	559	1,330	8.5	4.0	--	--	--
		03-23-90	1040	519	965	8.5	7.0	--	--	--
		04-27-90	1200	510	1,340	8.4	17.5	--	--	--
		09-29-87	1200	14	580	7.9	18.0	9.1	100	736
3	06879650	07-27-88	1150	.65	571	8.3	27.5	8.1	106	740
		11-15-88	1050	2.1	613	8.3	15.0	8.8	93	720
		03-08-89	1140	3.7	543	8.4	5.5	14.1	115	745
		06-01-89	0830	1.3	586	8.2	22.0	6.0	71	738
		05-20-87	1025	.72	571	7.7	15.0	--	--	--
		05-27-87	0950	124	200	8.2	--	--	--	--
		06-22-87	1040	.67	--	8.1	17.0	--	--	--
		07-21-87	1145	.08	576	7.7	20.0	--	--	--
		10-14-87	1400	1.0	698	7.7	14.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
3	06879650	01-19-88	1110	0.33	602	7.9	8.0	9.8	87	723
		02-16-88	1400	.13	593	7.9	6.5	--	--	--
		03-14-88	1500	.13	--	7.8	7.5	--	--	--
		04-18-88	1535	3.3	501	8.1	12.0	9.0	87	733
		05-17-88	1015	.80	582	8.0	18.0	--	--	--
		06-09-88	1300	.28	564	7.7	17.0	--	--	--
		09-08-89	2150	59	350	7.5	--	--	--	--
		09-08-89	2205	279	305	7.6	--	--	--	--
		09-08-89	2250	198	180	7.7	--	--	--	--
		09-09-89	0020	109	230	8.0	--	--	--	--
		09-09-89	0235	51	315	8.1	--	--	--	--
		09-09-89	0500	44	370	8.2	--	--	--	--
		09-09-89	0715	66	350	8.3	--	--	--	--
		09-11-89	1520	1.6	533	8.3	18.0	8.6	94	737
		10-03-89	0855	.14	564	7.9	13.0	8.0	78	740
		11-17-89	1315	1.0	581	8.2	10.0	--	--	--
		12-15-89	1305	.10	556	7.9	2.0	--	--	--
		02-13-90	1030	.13	589	7.9	8.0	10.8	95	733
		03-13-90	2055	215	385	7.7	--	--	--	--
		03-13-90	2140	106	218	7.6	--	--	--	--
		03-13-90	2225	67	244	7.7	--	--	--	--
		03-13-90	2310	47	282	8.0	--	--	--	--
		03-13-90	2355	43	313	8.0	--	--	--	--
		03-14-90	0040	49	335	8.2	--	--	--	--
		03-20-90	1130	7.3	--	8.1	9.5	--	--	--
		04-27-90	1715	2.1	544	8.1	13.0	--	--	--
4	390833096332500	10-14-87	1530	--	--	--	16.0	--	--	--
		10-14-87	1535	E3,000	1,140	8.3	16.0	--	--	--
		04-12-89	0945	E350	1,140	8.3	10.5	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (µS/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
5	06879820	09-29-87	1515	2,680	1,350	7.8	21.0	7.0	82	736
		07-24-88	1020	240	1,290	8.1	26.0	7.8	100	738
		09-07-88	1340	668	1,410	8.6	21.5	--	--	--
		11-16-88	0850	455	1,940	8.7	7.5	10.6	93	731
		03-09-89	0930	395	1,580	8.6	6.0	15.2	125	749
6	06879900	06-02-89	0820	496	1,090	8.6	21.0	9.8	114	739
		09-28-87	1250	7.1	340	7.6	19.5	5.8	66	735
		10-14-87	1200	--	539	7.9	11.0	--	--	--
		07-26-88	0730	6.2	583	8.2	24.0	7.0	86	741
		11-14-88	1200	1.4	656	8.0	6.0	11.0	94	718
		03-08-89	1015	415	334	7.8	.5	8.3	60	730
		04-14-89	1150	--	553	8.8	12.0	--	--	--
		05-31-89	1445	E1.5	657	8.2	19.5	11.2	128	726
		07-18-89	1300	3.7	488	7.4	21.5	6.3	--	--
		10-14-87	0850	--	770	8.1	10.5	--	--	--
7	405457097071800	04-14-89	1345	--	759	8.4	12.5	--	--	--
8	405249098010000	10-15-87	0830	--	261	7.4	10.0	--	--	--
		04-10-89	1315	--	320	8.3	10.0	--	--	--
9	405221097582100	09-29-87	1045	.03	276	7.4	13.5	1.9	19	733
		10-15-87	0910	--	872	7.6	11.0	--	--	--
		07-26-88	0945	.34	458	7.6	20.5	1.6	19	725
		07-26-88	2150	E.30	--	--	26.0	2.9	38	722
		07-27-88	0550	E.30	--	--	21.5	1.2	14	721
		11-15-88	0815	1.4	1,130	7.8	6.5	4.4	39	705
		03-07-89	1015	E.01	452	5.9	.5	2.0	14	773
		04-14-89	1000	--	1,070	8.7	8.0	--	--	--
		05-31-89	0930	.40	964	7.5	16.0	1.0	11	718

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
10	405438097354800	09-28-87	1150	1.5	458	8.0	18.5	5.6	62	733
		10-14-87	1250	--	552	8.1	14.0	--	--	--
		07-26-88	0900	8.2	570	7.9	21.0	6.3	74	734
		07-26-88	1300	8.2	570	7.7	23.0	7.0	86	725
		07-26-88	1700	8.2	574	7.8	27.0	7.6	101	725
		07-26-88	2100	8.2	549	7.8	28.0	7.4	100	724
		07-27-88	0100	8.2	552	7.9	26.0	6.2	81	724
		07-27-88	0500	8.2	561	7.7	23.0	5.5	68	724
		07-27-88	0900	8.2	566	7.9	22.0	6.0	72	725
		11-14-88	1345	--	513	8.0	7.0	10.4	91	715
11	06880000	03-07-89	1000	.88	680	7.6	0	--	--	735
		04-10-89	1715	--	474	8.9	11.0	--	--	--
		05-31-89	1330	.19	586	7.6	16.5	6.1	66	724
		09-28-87	1350	33	566	8.1	19.0	7.6	85	736
		10-14-87	0920	--	585	8.1	12.0	--	--	--
		07-26-88	0845	30	580	8.1	23.0	6.7	80	742
		11-14-88	1050	19	621	8.3	6.0	10.9	92	723
		03-08-89	1215	25	408	7.8	.5	11.5	82	739
		04-11-89	1015	--	582	8.4	6.0	--	--	--
		05-31-89	1600	E17	641	8.1	18.5	8.3	93	727
12	06880500	07-17-89	1440	35	516	7.9	22.0	5.0	60	725
		09-28-87	1425	60	629	8.1	19.5	7.3	80	763
		07-26-88	1000	55	555	8.0	23.0	5.8	70	741
		07-26-88	1400	55	548	8.0	25.0	7.4	92	741
		07-26-88	1800	55	549	8.2	26.0	8.4	107	741
		07-26-88	2200	5	585	7.6	26.0	7.4	94	740
		07-27-88	0200	55	577	8.0	24.0	6.7	82	740
		07-27-88	0600	55	595	8.0	23.0	5.5	66	741

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (µS/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
12	06880500	11-14-88	0845	29	689	8.2	5.5	11.4	95	724
		03-08-89	1130	50	476	7.6	.5	12.2	87	740
		07-17-89	1505	49	520	7.7	22.5	5.0	61	726
13	405220097042500	10-14-87	0810	--	711	8.1	10.5	--	--	--
		04-14-89	1415	--	703	8.4	12.0	--	--	--
14	405220097024000	06-24-89	1200	--	18	7.3	20.0	--	--	--
		08-27-89	1255	--	56	7.7	--	--	--	--
15	405128097032000	06-24-89	1230	--	48	7.0	20.0	--	--	--
		08-27-89	1310	--	94	7.1	--	--	--	--
16	403611098200600	09-29-87	1545	6.9	785	7.7	20.0	1.5	17	728
		10-15-87	1105	--	876	7.7	16.5	--	--	--
		07-26-88	0630	6.7	--	7.6	21.0	2.1	25	719
		07-26-88	1800	E6.7	--	--	25.5	4.8	63	721
		07-27-88	1215	E6.7	--	--	20.5	2.1	25	720
		09-06-88	1145	5.8	946	7.7	20.0	2.5	29	714
		11-15-88	1015	3.0	1,030	7.5	14.5	.6	6	702
		03-07-89	1600	6.4	909	7.7	11.5	4.0	40	717
		04-11-89	1200	--	932	7.5	14.0	--	--	--
		05-30-89	1145	4.4	838	7.6	21.5	4.9	59	716
		07-18-89	1630	16	328	7.4	23.5	5.6	70	718
17	404247097580600	09-29-87	1215	5.6	734	7.8	16.0	7.0	74	733
		07-25-88	1230	14	--	8.0	26.5	6.8	92	726
		07-26-88	1300	E14	532	7.8	24.5	7.1	90	726
		07-26-88	1700	E14	356	8.0	27.0	8.1	107	725
		07-26-88	2100	E18	535	8.0	27.0	6.5	86	728
		07-27-88	0100	E18	644	8.0	25.5	5.6	72	723
		07-27-88	0500	E18	662	8.0	23.5	5.9	74	722

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
17	404247097580600	07-27-88	0900	E18	639	7.9	22.5	6.0	73	724
		07-27-88	1300	E16	626	7.8	24.5	7.1	90	725
		11-15-88	1130	3.5	970	7.7	6.5	8.4	74	708
		03-07-89	1300	2.6	920	7.6	.5	9.2	67	724
18	403749097503400	09-29-87	1315	.88	484	8.0	17.0	8.5	91	734
		10-15-87	1445	--	555	7.8	12.5	--	--	--
		07-25-88	1130	3.8	427	7.8	23.5	5.1	63	727
		11-15-88	1230	262	998	7.8	7.5	8.9	80	707
		03-07-89	1445	.55	828	7.7	0	12.4	90	724
		04-11-89	1100	--	.941	9.0	5.5	--	--	--
		05-30-89	1445	.26	1,060	8.5	26.5	12.1	161	717
		07-18-89	1135	17	124	7.3	21.5	4.9	59	720
19	404327097354600	09-29-87	1030	21	581	8.1	15.0	8.4	87	730
		10-14-87	1505	--	600	8.6	15.5	--	--	--
		07-25-88	1200	27	533	8.3	27.0	7.6	99	734
		11-15-88	1300	14	713	8.3	7.5	11.2	101	709
		03-07-89	1245	15	630	7.6	0	14.7	105	732
		04-10-89	1540	--	651	8.7	10.0	--	--	--
		05-31-89	1100	15	604	7.8	19.0	6.2	71	723
20	405108097380600	10-14-87	1405	--	318	7.6	15.5	--	--	--
21	405029097322100	09-28-87	1030	2.2	903	7.8	17.5	8.5	93	734
		10-14-87	1325	--	950	8.1	14.5	--	--	--
		07-26-88	1010	6.5	660	7.9	23.0	7.1	86	734
		09-06-88	1440	2.5	995	8.3	19.5	11.1	128	721
		11-14-88	1425	2.5	980	8.3	8.5	17.8	162	716
		03-07-89	1145	2.9	852	7.4	0	--	--	737
		04-10-89	1635	--	617	--	12.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
21	405029097322100	05-31-89 07-18-89	1245 1025	2.2 57	870 172	7.6 7.9	18.5 21.5	4.9 6.2	56 74	724 722
22	404432097111100	06-25-89 08-27-89	0945 1330	-- --	46 33	7.0 6.7	18.0 --	-- --	-- --	-- --
23	06880800	05-13-87 05-15-87 05-19-87 05-21-87 05-27-87	0930 0855 1330 0915 1400	178 199 136 135 276	437 495 557 593 436	8.1 8.0 8.2 8.6 7.4	18.5 16.5 18.5 19.0 15.0	7.9 8.6 8.6 8.9 8.0	88 92 97 101 84	734 731 720 728 721
		05-29-87 06-03-87 06-05-87 06-08-87 06-09-87	1130 0945 1000 1045 1000	404 838 288 190 733	317 125 334 514 106	7.9 7.2 7.7 7.6 6.6	16.5 19.5 20.0 18.5 18.0	7.9 6.7 7.3 10.3 7.0	85 75 82 116 77	723 744 744 727 728
		06-10-87 06-11-87 06-16-87 06-18-87 07-15-87	1100 1030 1030 1030 1100	1,060 866 205 1,180 171	173 140 452 185 417	6.9 6.8 7.9 7.4 8.0	18.5 18.5 25.0 18.5 25.5	7.1 7.0 6.3 7.3 7.7	80 79 80 82 98	725 722 730 725 735
		08-11-87 09-09-87 09-29-87 10-05-87 10-14-87	1000 1030 1545 1120 0930	163 79 81 73 --	523 572 546 590 641	8.2 8.4 8.3 8.3 8.2	26.0 18.0 18.5 13.0 11.5	7.3 10.6 9.9 10.3 --	94 116 111 101 --	733 740 730 739 --
		11-03-87 12-01-87 01-26-88 02-22-88 03-21-88	1000 1000 1030 1100 1100	89 85 100 122 105	598 575 -- 503 590	8.3 8.0 7.8 7.9 8.2	13.5 3.0 0 5.5 9.0	9.3 12.9 11.0 11.2 11.9	94 99 -- 94 106	723 737 748 721 740

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
23	06880800	04-18-88	1020	79	620	8.4	10.0	12.4	115	730
		05-24-88	1130	137	484	8.0	17.5	7.3	79	740
		06-20-88	1030	54	622	8.3	30.0	8.7	122	725
		07-18-88	1000	106	521	8.1	25.5	7.3	94	723
		07-25-88	1245	75	518	8.2	25.5	7.6	95	743
		08-08-88	1115	81	556	8.1	26.0	7.6	99	726
		08-31-88	1400	48	590	8.5	21.0	11.3	133	730
		10-12-88	1230	55	467	7.8	11.5	10.6	101	733
		11-07-88	1200	57	--	8.3	8.0	11.3	--	730
		11-15-88	1420	58	610	8.0	8.0	9.9	90	711
		12-06-88	1000	53	--	8.2	3.5	10.7	--	735
		01-03-89	1130	59	684	7.8	0	13.8	99	732
		02-07-89	1000	49	668	7.8	0	10.8	77	731
		03-07-89	1400	108	539	8.0	0	13.1	94	731
		03-08-89	1345	55	484	7.9	1.0	13.6	99	741
		04-04-89	0955	70	632	8.1	7.0	12.7	110	726
		04-11-89	1300	--	607	8.4	10.0	--	--	--
		05-02-89	0830	50	609	8.3	9.5	9.7	89	726
		05-31-89	1430	E54	610	8.2	19.0	5.2	59	725
		06-21-89	1020	50	593	8.1	22.5	7.1	87	717
		06-27-89	1030	1,830	130	8.8	20.5	4.8	56	725
		06-28-89	1200	1,470	127	7.4	22.5	5.9	71	730
		06-29-89	1130	1,130	153	7.1	24.5	5.4	66	745
		06-30-89	0915	E589	205	7.8	23.5	5.0	62	726
		07-18-89	1450	352	433	7.7	22.0	6.3	76	722
		08-22-89	1010	123	462	8.0	24.0	6.8	86	721
		09-05-89	1030	1,670	95	7.5	18.5	5.5	62	728
		10-31-89	1330	64	572	7.9	6.5	12.1	104	725
		11-28-89	1000	66	665	8.1	0	15.4	109	735

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (percent saturation) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
23	06880800	12-18-89	1135	45	--	7.5	0	12.1	--	730
		01-17-90	1130	64	648	8.2	4.0	13.5	108	726
		02-12-90	1400	82	622	8.3	8.0	16.0	145	712
		03-26-90	1000	71	560	8.3	5.0	13.4	109	738
		04-17-90	1545	64	--	8.4	12.0	14.9	--	735
24	404247097104000	06-25-89	0845	--	64	7.0	18.0	--	--	--
		08-27-89	1345	--	70	7.3	--	--	--	--
25	404007096583000	10-14-87	1045	--	684	8.4	11.5	--	--	--
		04-11-89	1645	--	643	8.6	13.0	--	--	--
26	06881000	09-29-87	1430	186	602	8.2	18.0	9.0	99	732
		10-14-87	1140	--	685	8.4	12.5	--	--	--
		07-25-88	1030	184	526	8.6	25.5	8.8	110	744
		09-07-88	0840	83	644	8.4	16.0	8.2	88	720
		11-14-88	1530	112	715	8.2	8.5	13.5	122	722
		03-08-89	1500	192	515	7.9	4.0	11.6	91	741
		04-11-89	1600	--	663	8.6	12.0	--	--	--
		05-31-89	1300	E164	628	8.3	20.0	7.7	89	726
		07-17-89	1145	416	392	7.6	20.5	6.3	74	729
27	403304097311400	09-29-87	1145	.19	351	8.2	18.0	11.6	128	732
		10-15-87	1540	--	446	7.9	13.0	--	--	--
		07-25-88	1325	2.1	362	8.0	28.5	6.8	91	734
		11-15-88	1110	.29	476	7.8	8.5	10	92	711
		03-07-89	1345	1.5	290	7.8	.5	--	--	730
		04-11-89	1000	--	529	8.6	6.5	--	--	--
		05-30-89	1445	E.50	860	8.6	29.5	17.5	246	715
28	06881200	09-29-87	1320	51	528	8.1	17.0	8.2	89	732
		10-14-87	1215	--	683	8.1	11.5	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
28	06881200	07-25-88 11-14-88 03-07-89 04-11-89 05-31-89	0600 1445 0855 1415 1215	15 7.2 31 -- E5.4	436 862 722 652 695	7.0 7.7 7.5 8.3 8.0	24.5 8.0 .5 10.0 19.5	6.6 9.1 10.3 -- 6.9	82 81 74 -- 79	734 722 736 -- 726
		07-17-89	1120	E168	395	7.4	20.0	6.7	77	730
29	402348096591100	09-28-87 10-14-87 07-25-88 11-14-88 03-07-89	1620 1300 0630 1200 1240	27 -- 13 11 30	805 899 847 1,000 739	7.9 8.0 7.5 7.8 7.8	19.0 13.5 24.0 8.5 1.0	9.5 -- 6.3 12.6 13.4	105 -- 78 114 98	744 -- 734 725 736
		04-11-89 05-31-89	1510 1100	-- 8.0	867 913	8.5 8.0	14.0 19.0	-- 9.2	-- 105	-- 725
30	401823096480700	10-14-87 04-10-89	1415 1530	-- --	754 738	8.5 8.8	13.0 11.0	-- --	-- --	-- --
31	401730096500200	09-28-87 07-25-88 07-25-88 07-25-88 07-26-88 07-26-88 07-26-88 11-14-88 03-08-89 05-30-89	1445 1330 1730 2100 0200 0510 0915 1045 0900 1630	5.8 3.6 3.6 3.6 3.6 3.6 3.6 .75 2.9 .51	438 441 439 440 402 411 462 601 518 582	7.9 7.6 7.9 7.6 8.0 8.1 8.1 7.2 7.6 8.0	19.0 27.0 26.0 26.5 23.0 21.5 21.0 7.0 .5 24.0	6.9 8.4 8.2 7.4 6.6 6.1 7.0 8.4 9.3 5.1	76 106 104 95 80 72 82 73 67 64	744 760 740 738 734 736 734 728 739 722
		07-18-89	0755	26	175	7.4	21.5	6.6	79	727

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
32	06881500	09-28-87	1315	322	825	8.1	21.0	8.7	100	747
		07-25-88	1330	235	533	8.4	28.0	7.3	94	761
		07-25-88	1700	231	529	8.3	29.0	7.2	97	735
		07-25-88	2100	215	520	8.4	29.0	6.7	91	735
		07-26-88	0115	211	550	8.3	27.0	6.7	88	734
		07-26-88	0950	192	567	8.3	25.0	7.2	91	734
		07-27-88	0510	163	530	8.5	26.0	5.8	74	734
		11-14-88	0900	192	801	7.9	7.0	11.2	97	729
		11-14-88	1300	192	808	8.2	8.0	12.7	113	726
		11-14-88	1700	188	845	8.2	8.0	12.3	110	724
		11-14-88	2100	188	776	8.2	8.5	11.6	105	723
		11-15-88	0100	185	764	8.2	9.0	11.2	103	720
		11-15-88	0500	185	759	8.1	9.5	10.4	97	718
		11-15-88	0900	192	761	8.1	9.5	10.1	94	718
		03-07-89	1000	237	592	7.9	0	12.8	90	740
		03-07-89	1400	237	594	7.9	1.0	13.1	95	737
		03-07-89	1800	237	583	7.8	.5	12.7	91	736
		03-07-89	2200	237	570	7.7	.5	14.0	101	737
		03-08-89	0200	237	537	7.8	.5	13.0	93	738
		03-08-89	0600	237	548	7.9		12.0	85	739
		03-08-89	1000	237	574	7.9	.5	13.2	95	739
		05-30-89	1000	163	740	8.6	23.0	7.7	95	722
		05-30-89	1500	163	735	8.9	25.0	13.9	178	722
		05-30-89	1800	163	708	8.9	25.0	13.5	173	723
		05-30-89	2200	163	720	8.8	25.0	10.2	130	725
		05-31-89	0200	163	725	8.3	24.5	8.1	102	726
		05-31-89	0600	163	731	8.8	22.5	6.0	73	727
		05-31-89	1000	163	735	8.8	21.5	7.1	85	725

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
33	401425096412200	10-14-87 04-10-89	1520 1445	-- --	729 719	8.7 9.0	14.0 10.5	-- --	-- --	-- --
34	400632096401600	09-28-87 10-14-87 07-25-88 07-26-88 07-26-88	1215 1630 0650 0915 1045	18 -- 12 19 19	805 795 -- 448 475	7.9 8.3 8.0 8.1 7.8	20.0 12.5 25.0 24.0 24.5	7.0 -- 6.2 6.4 7.2	79 -- 78 79 89	747 -- 740 738 738
		07-26-88 07-26-88 07-26-88 07-27-88 07-27-88	1445 1845 2230 0230 0635	19 19 19 19 19	476 490 546 517 500	8.0 8.1 8.1 7.9 8.0	28.0 28.0 25.0 24.5 23.0	8.9 9.3 7.5 7.5 7.3	118 124 95 94 89	735 733 734 732 730
		11-14-88 03-07-89 04-10-89 05-30-89 07-16-89	1020 1520 1400 1345 1355	5.2 4.5 -- 3.1 4.0	1,060 811 924 930 550	7.8 8.3 8.6 8.3 8.0	6.0 2.5 10.5 27.0 22.5	10.1 18.9 -- 8.1 5.3	85 143 -- 108 64	727 738 -- 723 734
35	06882000	11-12-86 05-12-87 05-19-87 06-02-87 06-10-87	1505 1100 1115 1230 1300	800 849 637 4,170 3,960	586 433 704 245 283	8.0 8.3 8.4 7.6 7.1	1.0 18.0 23.0 21.0 22.0	-- -- 8.8 8.1 8.4	-- -- 106 94 100	-- -- 738 738 737
		06-16-87 06-19-87 07-14-87 08-10-87 09-08-87	1000 1100 1200 1130 1100	980 7,500 1,160 814 706	395 230 526 492 486	8.1 7.7 8.2 8.2 8.2	28.0 22.0 23.5 24.0 23.0	6.9 7.8 8.2 7.3 8.8	91 92 100 90 106	740 737 735 740 742

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
35	06882000	09-28-87	1050	581	568	8.3	20.0	8.8	99	747
		10-05-87	1200	322	675	8.4	16.5	11.4	121	739
		10-15-87	0900	--	732	8.8	12.0	--	--	--
		11-02-87	1100	577	740	8.4	13.5	10.4	104	735
		12-01-87	1100	421	721	8.4	3.0	14.8	115	731
		01-26-88	1130	413	--	8.2	.5	14.6	--	740
		02-23-88	1130	554	553	8.2	1.5	14.2	105	737
		03-21-88	1130	377	696	8.8	7.5	15.9	138	735
		04-20-88	1115	347	665	8.9	14.5	12.2	123	741
		05-24-88	1005	1,480	678	8.1	19.0	8.6	97	734
		06-21-88	0925	147	756	8.7	26.5	7.1	92	738
		07-19-88	1025	245	622	8.4	27.5	7.2	93	746
		07-25-88	0540	402	524	8.2	25.0	7.4	93	740
		08-09-88	0915	276	654	8.6	28.0	6.6	88	734
		08-30-88	1400	136	552	8.6	23.5	8.3	101	739
		10-18-88	1000	171	554	7.8	15.0	9.3	95	741
		11-08-88	1200	166	738	8.8	9.0	12.3	110	740
		11-14-88	1145	193	755	8.2	6.5	13.0	111	726
		12-06-88	0900	229	750	8.7	3.5	15.6	122	734
		01-04-89	1100	200	809	8.8	1.5	17.5	130	734
		01-31-89	1100	329	779	7.4	1.0	15.9	119	718
		03-07-89	1435	329	593	8.2	1.0	14.4	105	739
		03-28-89	1130	270	689	8.3	12.5	11.0	109	726
		04-10-89	1320	--	700	9.1	11.5	--	--	--
		04-19-89	1130	223	699	8.9	13.0	10.0	98	738
		05-24-89	0940	220	628	8.6	23.0	7.8	97	715
		05-30-89	1245	187	665	8.4	23.0	8.6	106	723
		06-27-89	1245	3,380	310	7.9	21.5	7.5	89	730
		07-11-89	0930	591	192	7.8	27.5	7.0	93	732
		07-18-89	1330	627	321	7.9	24.0	7.7	95	732

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
35	06882000	08-16-89	0825	144	589	8.8	23.5	7.6	94	729
		09-06-89	1020	6,600	158	7.4	19.0	7.4	83	732
		10-23-89	1600	229	684	8.9	9.0	15.0	135	734
		11-29-89	1030	203	788	8.5	2.0	17.2	128	742
		12-19-89	0920	180	939	8.2	0	16.7	118	742
36	06882510	01-18-90	1000	246	767	8.2	.5	17.9	128	741
		02-13-90	1030	226	784	8.2	4.0	14.7	118	728
		03-21-90	0945	338	708	8.7	9.5	12.6	115	730
		04-18-90	1000	233	680	8.6	11.0	13.0	122	739
		09-30-87	1300	521	677	8.5	17.5	8.7	95	735
		07-25-88	1230	393	557	7.8	28.0	--	--	737
		11-16-88	1050	270	792	7.6	7.5	12.1	104	741
		03-09-89	0940	316	585	8.4	.5	14.7	105	741
		04-11-89	1245	208	637	9.1	11.0	--	--	--
37	402726098240500	05-31-89	1240	161	661	9.0	25.0	10.8	137	730
		07-18-89	0800	700	372	8.0	24.0	6.6	82	734
		09-30-87	0815	9.2	455	7.7	10.5	10.3	96	732
		07-26-88	0515	18	349	7.8	22.5	7.8	95	727
		11-15-88	1100	8.0	380	7.6	7.5	10.9	99	703
		03-08-89	0800	11	461	7.6	4.0	11.9	96	722
		05-30-89	1200	8.3	476	8.5	20.0	11.7	138	714
		09-30-87	0925	49	462	8.3	11.5	10.3	98	735
38	06883000	10-15-87	1250	--	425	8.3	13.0	--	--	--
		07-26-88	0810	31	412	8.0	20.0	7.9	90	738
		11-15-88	0940	65	370	7.5	7.5	10.9	98	706
		03-08-89	0920	67	444	8.1	1.5	13.7	103	726

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (0025)
38	06883000	04-11-89	1320	--	455	8.4	12.0	--	--	--
		05-30-89	1320	45	477	8.3	24.0	8.6	109	714
		07-17-89	1020	3,240	79	7.4	19.0	7.2	83	717
39	401243097433500	09-30-87	1045	53	462	8.5	14.5	10.2	104	737
		07-26-88	0630	32	375	8.3	21.0	7.3	85	738
		11-15-88	0815	52	370	8.0	7.5	10.2	92	709
		03-08-89	1100	79	444	8.1	0	12.5	89	730
		05-31-89	1030	45	495	8.7	19.0	7.8	89	722
40	06883570	09-28-87	1450	101	455	8.4	24.0	10.0	120	755
		10-15-87	1200	--	467	8.6	14.0	--	--	--
		07-26-88	0630	55	397	8.0	22.0	6.0	71	734
		11-14-88	1655	40	430	8.2	9.0	12.2	112	718
		03-08-89	1345	118	448	8.2	0	16.4	117	734
		04-11-89	1520	--	459	8.5	15.5	--	--	--
		05-31-89	1200	61	500	8.3	20.0	8.5	98	730
41	401826097451100	07-26-88	0600	1.5	378	7.8	18.0	8.1	89	738
42	06883940	09-28-87	1530	24	370	8.4	21.0	10.6	124	730
		10-15-87	1510	31	364	7.9	13.5	--	--	--
		07-26-88	0545	37	370	7.5	17.5	6.6	72	734
		11-14-88	1730	20	337	7.4	11.0	7.9	76	716
		03-08-89	1250	26	354	7.7	12.5	11.3	110	734
		04-11-89	1545	--	355	8.4	18.5	--	--	--
		05-31-89	1130	25	385	7.8	15.0	9.8	102	725
		07-17-89	0850	190	268	7.7	19.5	8.1	93	723
43	400940097122000	10-15-87	1315	--	472	8.5	13.5	--	--	--
		04-10-89	1020	--	469	8.2	4.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
44	06884000	09-28-87	1240	199	416	8.2	20.0	8.3	95	732
		07-25-88	0845	133	396	7.4	28.0	6.8	91	734
		07-26-88	1320	119	374	8.6	27.0	9.4	123	732
		07-26-88	1710	127	423	9.1	27.0	10.6	139	733
		07-26-88	2150	116	435	8.8	27.0	6.5	85	734
		07-27-88	0120	127	375	9.3	27.5	5.7	75	732
		07-27-88	0545	112	393	8.3	25.0	5.3	67	734
		11-14-88	1555	90	455	8.0	7.0	13.1	114	720
		03-08-89	1225	133	488	8.2	2.5	15.0	114	738
		05-31-89	1300	91	520	8.2	21.0	8.3	97	730
45	400519097080700	07-17-89	1545	1,890	137	7.5	22.0	8.1	98	724
		10-15-87	1130	--	646	8.4	14.0	--	--	--
		04-10-89	1100	--	568	8.6	7.0	--	--	--
		09-28-87	1200	23	646	8.2	18.5	9.0	100	732
		10-15-87	1100	--	712	8.2	12.5	--	--	--
46	400359097101400	07-25-88	0615	18	398	7.8	26.0	6.4	82	734
		07-26-88	1355	9.0	411	8.1	26.5	7.0	91	732
		07-26-88	1750	8.5	460	7.9	27.0	7.2	94	732
		07-26-88	2110	8.0	498	7.7	26.5	5.6	73	734
		07-27-88	0100	8.5	440	8.2	25.5	7.0	89	732
		07-27-88	0510	8.0	448	7.2	23.5	5.6	69	734
		11-14-88	1515	13	560	8.1	6.5	12.9	111	723
		03-08-89	1200	13	599	8.1	1.0	15.5	113	738
		04-10-89	1130	--	547	8.6	6.0	--	--	--
		05-31-89	1330	6.8	604	8.0	21.0	6.9	81	730
		07-17-89	1445	114	216	7.7	22.0	7.9	95	725

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
47	06884025	11-12-86	1100	300	554	8.2	0	--	--	--
		05-12-87	1410	800	510	8.3	22.0	--	--	--
		05-26-87	1150	622	459	8.1	22.0	7.7	92	730
		06-23-87	1030	628	372	8.2	25.5	7.0	89	737
		06-30-87	1700	4,360	206	7.3	21.5	6.7	78	743
		07-01-87	0730	2,300	183	7.1	21.0	6.7	77	743
		07-21-87	1100	747	507	8.6	28.0	7.1	93	742
		08-18-87	1120	1,110	338	8.0	23.5	7.1	86	741
		09-15-87	1030	301	414	7.8	22.0	7.9	94	737
		09-28-87	1030	209	523	8.3	19.0	8.3	93	735
		10-13-87	1115	180	598	8.3	11.5	12.8	121	738
		10-15-87	1000	--	562	8.5	13.5	--	--	--
		11-04-87	1120	205	613	8.3	16.0	10.9	114	740
		12-06-87	1130	230	559	8.3	6.0	12.6	105	737
		01-07-88	1245	175	725	7.6	0	--	--	--
		02-03-88	1300	269	503	7.9	0	13.2	94	730
		03-02-88	1315	242	585	8.3	6.0	11.5	96	732
		04-26-88	1015	221	--	8.5	13.0	10.5	--	729
		05-31-88	1045	168	586	8.4	23.5	9.7	120	730
		06-28-88	0945	41	676	8.5	23.5	8.8	109	728
		07-25-88	1150	163	501	8.7	29.0	7.2	97	740
		07-27-88	0920	119	512	9.0	27.0	15.0	195	740
		08-09-88	1135	78	578	8.4	26.5	10.9	141	733
		08-30-88	1100	133	610	8.6	21.0	10.3	119	739
		10-18-88	1300	113	518	8.0	14.0	9.5	95	739
		11-09-88	1200	118	520	8.3	8.0	10.4	91	737
		11-14-88	1350	133	523	8.1	9.0	12.6	115	722
		12-06-88	1300	135	564	8.3	3.0	14.5	112	733
		01-10-89	1050	86	696	8.2	0	13.1	93	733
		02-07-89	1115	109	643	7.4	0	--	--	747

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
47	06884025	03-07-89	1100	179	537	8.1	0	13.4	95	737
		03-08-89	1040	140	524	8.1	.5	14.1	101	740
		04-05-89	0955	138	566	8.3	9.5	13.3	121	736
		04-10-89	1230	--	532	8.6	8.5	--	--	--
		05-01-89	1200	118	593	8.4	12.5	10.7	104	738
		05-31-89	1420	110	600	8.4	21.0	8.7	102	730
		06-22-89	1240	120	549	8.4	22.0	9.2	110	730
		06-26-89	1130	4,690	132	7.3	20.5	6.4	74	730
		07-18-89	1040	2,260	173	7.5	23.5	7.0	86	728
		08-15-89	1800	171	418	9.0	24.0	10.9	136	727
		09-06-89	1130	2,650	130	7.8	21.5	6.9	82	730
		10-23-89	1430	119	548	8.2	11.0	13.7	129	734
		11-28-89	1530	120	595	8.1	1.0	16.1	117	741
		12-19-89	1150	74	660	7.8	0	14.0	99	742
		01-18-90	1300	196	548	8.2	1.5	16.5	121	741
		02-13-90	1300	159	584	8.1	4.0	14.8	118	729
		03-21-90	1230	168	568	8.4	13.0	12.8	127	728
		04-18-90	1230	155	526	8.4	10.0	13.2	121	737
48	395513096561100	09-30-87	1210	20	684	8.2	16.5	8.8	93	740
		07-26-88	1215	12	763	8.3	24.0	7.0	87	734
		11-16-88	1400	12	855	8.1	7.0	8.5	73	732
		03-09-89	0830	13	652	8.2	1.0	13.7	100	738
		05-31-89	1415	5.9	734	8.3	23.0	7.3	89	730
49	06884400	09-30-87	1420	374	600	8.4	19.5	12.0	135	739
		10-14-87	1730	206	651	8.2	16.0	--	--	--
		07-25-88	1400	206	454	7.9	31.0	10.6	148	737
		11-16-88	1130	152	580	8.5	5.0	12.4	101	735
		03-08-89	1630	150	715	8.3	4.5	12.0	96	738

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
49	06884400	04-11-89	1340	163	613	8.7	12.0	--	--	--
		05-31-89	1540	110	640	8.8	24.0	11.8	147	730
		07-18-89	1145	2,490	177	7.4	24.0	6.7	83	731
50	06885500	11-13-86	0830	80	633	8.1	0	--	--	--
		05-13-87	1200	104	608	7.6	21.0	--	--	--
		05-28-87	1045	5,460	211	7.4	19.0	--	--	--
		06-23-87	1020	85	--	8.1	27.0	--	--	--
		07-20-87	1330	50	633	8.2	28.5	--	--	--
		08-18-87	1100	35	446	7.7	22.5	--	--	--
		09-15-87	1445	2,020	--	7.4	20.5	--	--	--
		09-16-87	1120	4,440	129	7.4	20.0	--	--	--
		09-22-87	1030	74	524	8.1	15.5	--	--	--
		09-30-87	1430	32	682	8.3	15.5	9.6	100	732
		10-14-87	1150	33	548	8.2	11.0	--	--	--
		10-20-87	1120	32	581	8.2	13.5	--	--	--
		11-23-87	1005	44	721	8.2	7.5	--	--	--
		12-22-87	1030	85	--	7.9	2.0	--	--	--
		01-19-88	1100	57	--	7.9	1.0	--	--	--
		02-16-88	1045	282	--	7.1	2.0	--	--	--
		03-14-88	1045	34	--	8.5	1.0	--	--	--
		04-18-88	1115	46	--	8.1	11.0	--	--	--
		05-16-88	1045	21	672	8.0	19.0	--	--	--
		06-09-88	1010	16	606	8.3	22.5	--	--	--
		06-30-88	1130	161	380	8.1	22.5	--	--	--
		06-30-88	1330	230	280	7.7	22.5	--	--	--
		07-05-88	1100	11	562	8.2	25.5	--	--	--
		07-24-88	1320	7.0	--	8.1	26.0	7.9	101	736
		08-12-88	1315	23	676	8.3	28.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
50	06885500	09-01-88	1110	3.1	632	8.2	21.0	--	--	--
		10-06-88	1110	2.7	632	8.1	11.5	--	--	--
		11-03-88	1100	6.5	692	8.2	9.0	--	--	--
		11-16-88	1340	16	572	7.9	8.0	10.8	94	740
		12-15-88	1135	14	593	8.4	1.0	--	--	--
		01-26-89	1120	12	534	8.6	1.0	--	--	--
		02-16-89	1210	9.6	627	8.1	0	--	--	--
		03-09-89	1130	16	588	8.3	3.0	16.8	129	740
		03-16-89	1025	12	540	8.4	7.0	--	--	--
		04-11-89	1000	9.2	558	8.4	7.0	--	--	--
		04-25-89	0915	9.7	594	8.0	21.5	--	--	--
		05-15-89	1120	6.2	588	7.9	19.5	--	--	--
		05-31-89	1055	4.0	592	8.1	21.0	13.5	158	732
		06-16-89	1330	7.5	481	7.8	22.0	--	--	--
		06-27-89	1245	588	205	7.8	23.0	--	--	--
		07-10-89	1030	5.3	507	8.1	28.0	--	--	--
		07-19-89	0925	8.0	411	7.8	22.0	6.3	75	734
		08-17-89	1040	8.3	478	8.1	22.5	--	--	--
		09-18-89	1100	23	517	8.1	19.0	--	--	--
		10-04-89	1150	7.3	572	8.4	13.0	--	--	--
51	06886500	11-16-89	1040	9.4	612	8.5	3.0	--	--	--
		12-14-89	1100	8.7	679	8.1	0	--	--	--
		01-10-90	1025	22	628	8.2	0	--	--	--
		02-08-90	1100	16	570	8.2	4.0	--	--	--
		03-22-90	1100	25	605	8.1	12.0	--	--	--
		04-26-90	1700	27	642	8.2	20.5	--	--	--
		09-30-87	1050	20	970	8.3	17.0	8.8	95	735
		10-15-87	1030	--	886	8.2	13.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
51	06886500	07-24-88	1445	5.7	655	8.2	29.0	8.6	116	738
		11-16-88	0940	15	857	8.9	8.0	8.6	75	737
		03-09-89	1115	6.0	1,350	8.3	6.0	15.4	128	740
		04-11-89	1445	E7.0	938	8.5	15.0	--	--	--
		05-31-89	1730	1.0	1,110	8.1	25.0	6.3	80	730
52	06887000	05-13-87	1545	22,600	349	7.9	18.5	--	--	--
		06-23-87	0830	5,900	385	8.0	24.5	--	--	--
		07-20-87	1630	1,310	387	8.0	27.0	--	--	--
		08-18-87	1330	1,220	464	7.9	25.0	--	--	--
		09-21-87	1330	4,700	429	8.2	21.0	--	--	--
		09-30-87	1045	2,840	422	8.0	20.0	8.1	92	738
		10-14-87	1715	700	415	8.1	16.0	--	--	--
		10-20-87	1315	46	503	7.9	13.0	--	--	--
		11-23-87	1615	77	495	8.3	10.0	--	--	--
		11-24-87	1330	1,110	531	8.0	--	--	--	--
		12-21-87	1500	1,400	--	8.6	6.0	--	--	--
		01-20-88	0825	1,480	--	8.2	8.0	--	--	--
		02-18-88	1030	2,310	--	8.7	2.5	--	--	--
		03-14-88	1315	932	--	8.8	4.5	--	--	--
		04-18-88	1150	184	521	8.5	13.0	--	--	--
		05-17-88	1400	409	580	8.2	19.0	--	--	--
		06-07-88	1400	756	644	8.2	22.5	--	--	--
		07-05-88	1545	915	605	8.1	24.5	--	--	--
		07-24-88	1045	1,870	549	8.1	26.0	10	128	738
		08-12-88	0845	1,820	583	8.3	27.5	--	--	--
		09-01-88	1530	3.4	679	8.3	26.0	--	--	--
		10-07-88	0830	989	519	8.7	18.0	--	--	--
		11-04-88	0800	1,540	534	8.5	13.0	--	--	--
		11-15-88	1445	532	660	8.2	12.0	11.2	110	719
		12-15-88	1530	470	608	8.8	4.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
52	06887000	01-26-89	1535	459	570	9.0	3.5	--	--	--
		02-17-89	0810	453	603	8.5	.5	--	--	--
		03-08-89	1430	442	684	8.2	4.0	18.3	143	746
		03-16-89	1510	444	597	8.6	6.5	--	--	--
		04-11-89	1610	470	577	8.7	11.5	--	--	--
		04-24-89	1425	491	594	8.4	17.0	--	--	--
		05-15-89	1540	468	583	8.3	17.5	--	--	--
		06-02-89	1030	96	591	8.3	21.0	7.9	92	738
		06-16-89	0850	87	593	8.3	21.0	--	--	--
		07-10-89	1515	1,540	598	8.0	28.0	--	--	--
53	391002096300100	07-19-89	1100	2,570	496	8.0	25.0	7.9	99	737
		08-17-89	1445	2,080	418	8.2	26.0	--	--	--
		09-12-89	1055	20,600	322	8.1	21.0	--	--	--
		10-03-89	1415	1,520	241	8.0	18.0	--	--	--
		11-16-89	1415	1,480	315	8.4	9.0	--	--	--
		12-15-89	0845	77	387	8.2	.5	--	--	--
		01-09-90	1235	502	636	8.2	3.5	--	--	--
		02-08-90	1530	665	434	8.3	3.5	--	--	--
		03-22-90	1530	920	476	8.5	10.0	--	--	--
		04-26-90	1200	196	519	8.3	14.0	--	--	--
54	391109096251000	04-12-89	0900	E800	1,240	8.4	11.0	--	--	--
55	392844096093500	10-15-87	0845	E3,800	945	8.5	14.5	--	--	--
		04-12-89	0800	800	1,140	8.5	10.0	--	--	--
		09-29-87	1245	5.0	566	8.3	17.5	9.4	101	742
		07-27-88	0930	1.4	504	6.6	23.0	5.4	65	740
		11-15-88	1330	1.6	865	7.8	12.0	8.4	83	720
		03-08-89	1345	4.3	526	8.4	1.0	17.2	124	743
		05-31-89	0900	.59	503	8.0	23.5	12.2	150	733

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
56	06888030	09-29-87	1410	9.4	658	8.4	19.0	7.2	80	737
		10-15-87	1515	--	705	8.3	13.0	--	--	--
		07-27-88	1120	4.2	550	7.1	27.0	9.0	116	742
		11-15-88	1115	3.6	--	7.7	10.0	8.6	--	725
		03-08-89	1100	6.2	629	8.3	3.0	16.8	128	746
		04-13-89	1115	3.0	670	8.0	14.0	--	--	--
57	06888300	06-01-89	1450	1.6	468	8.3	22.5	10.4	124	742
		07-19-89	1330	3.2	366	7.8	27.5	7.5	99	737
		09-30-87	1325	2.2	627	8.1	20.0	8.1	92	738
		10-15-87	1345	--	606	8.2	14.0	--	--	--
		07-29-88	0815	2.2	457	7.9	20.0	6.8	77	739
		03-08-89	1645	2.4	637	8.4	8.0	13.6	118	742
		04-13-89	1300	E7.0	546	8.6	16.0	--	--	--
		06-01-89	1645	1.7	476	7.7	18.0	8.5	93	740
58	06888350	09-29-87	0930	6,170	801	8.5	18.0	9.1	98	747
		10-15-87	1200	4,310	869	8.3	15.0	--	--	--
		07-27-88	0910	2,550	701	8.4	25.0	7.7	98	730
		11-15-88	1445	1,190	1,040	8.4	17.0	8.4	93	715
		03-10-89	1110	897	1,080	8.5	8.0	11.0	96	742
		04-13-89	0945	841	1,080	8.7	12.0	--	--	--
59	06888500	05-30-89	1845	1,040	845	8.3	28.0	7.0	94	730
		07-19-89	1430	3,250	612	8.2	27.0	8.5	111	737
		05-20-87	1315	101	631	7.7	24.5	--	--	--
		05-27-87	1310	5,120	172	8.0	18.5	--	--	--
		06-23-87	1315	81	--	8.1	27.0	--	--	--
		07-20-87	1005	30	568	8.0	29.0	--	--	--
		08-18-87	0940	29	445	8.3	27.5	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
59	06888500	09-22-87	1300	20	602	8.2	19.0	--	--	--
		09-29-87	1515	16	611	8.0	21.0	9.4	108	743
		10-15-87	1030	14	684	8.2	13.0	--	--	--
		10-20-87	1445	14	--	8.2	12.5	--	--	--
		11-23-87	1245	28	--	8.2	9.5	--	--	--
		12-22-87	1330	189	478	8.3	3.5	--	--	--
		01-19-88	1345	95	--	8.1	0	--	--	--
		02-17-88	1350	71	--	7.6	1.0	--	--	--
		03-15-88	1300	36	--	8.4	5.0	--	--	--
		04-18-88	1445	174	534	8.3	14.5	--	--	--
		05-16-88	1410	45	629	8.1	24.0	--	--	--
		06-08-88	1000	25	573	8.2	25.5	--	--	--
		07-06-88	1520	14	608	8.3	31.0	--	--	--
		07-27-88	1010	9.5	656	8.1	26.0	6.8	88	730
		08-09-88	0955	8.1	677	8.3	28.0	--	--	--
		08-30-88	1005	2.2	646	8.3	22.0	--	--	--
		10-04-88	1020	2.7	673	8.6	16.5	--	--	--
		11-07-88	1445	3.4	795	7.9	11.5	--	--	--
		11-15-88	1100	5.7	698	8.0	13.5	8.7	88	721
		12-20-88	0950	4.9	--	8.3	2.5	--	--	--
		01-24-89	1345	4.3	--	8.3	4.5	--	--	--
		02-14-89	1310	5.6	854	8.2	1.5	--	--	--
		03-08-89	1310	4.4	--	8.3	8.0	11.8	--	750
		03-14-89	1300	4.3	789	8.3	12.5	--	--	--
		04-13-89	0920	4.4	794	8.3	12.0	--	--	--
		04-20-89	1220	4.0	803	8.4	19.0	--	--	--
		05-18-89	1210	2.7	778	8.0	20.0	--	--	--
		06-01-89	1145	2.7	727	7.9	21.5	5.7	67	742
		06-13-89	1250	2.1	694	8.3	25.5	--	--	--
		07-13-89	0935	69	307	8.0	26.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (µS/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
59	06888500	07-19-89	1525	5.1	372	8.6	29.0	14.0	189	737
		08-14-89	1320	.59	490	8.4	26.0	--	--	--
		09-05-89	1315	363	229	7.8	22.0	--	--	--
		09-14-89	0940	161	574	8.2	14.5	--	--	--
		10-06-89	0935	22	661	8.2	16.5	--	--	--
		11-20-89	1335	28	699	8.4	10.5	--	--	--
		12-12-89	1400	19	742	8.3	.5	--	--	--
		01-11-90	0930	16	676	8.2	2.0	--	--	--
		02-06-90	1350	36	651	8.3	4.5	--	--	--
		03-14-90	1005	422	549	8.3	14.5	--	--	--
		04-24-90	1400	147	575	8.3	20.5	--	--	--
60	390820095571500	09-29-87	1340	9.0	699	8.0	19.0	9.0	100	745
		10-15-87	1430	--	757	8.2	14.0	--	--	--
		07-29-88	0535	1.8	615	8.2	25.5	6.7	85	740
		11-15-88	1240	1.5	831	8.3	14.5	8.4	88	717
		03-09-89	1230	2.5	748	8.2	6.5	14.2	117	751
		04-13-89	1100	--	731	8.1	11.5	--	--	--
		06-01-89	1310	.98	815	7.9	21.0	4.7	54	742
61	06888705	09-29-87	1015	5,510	686	8.6	19.5	10.0	112	745
		10-15-87	1530	--	875	8.5	15.0	--	--	--
		07-28-88	1745	1,910	621	8.8	29.0	10.2	137	741
		07-29-88	0415	1,910	595	8.2	26.0	6.3	80	741
		11-15-88	1030	720	1,100	8.7	16.5	11.2	122	720
		03-08-89	1030	909	1,040	8.3	1.0	13.6	98	748
		04-13-89	1020	--	1,030	8.7	12.0	--	--	--
		05-31-89	1710	759	892	8.4	27.0	7.9	103	734

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
62	06889000	05-12-87	1020	38,600	530	7.7	18.5	--	--	--
		06-24-87	1330	15,200	724	8.2	26.0	--	--	--
		07-22-87	1020	7,170	1,020	8.3	26.0	--	--	--
		08-18-87	1230	4,460	860	8.4	27.0	--	--	--
		09-21-87	1245	6,540	776	7.8	22.0	--	--	--
		09-28-87	1400	5,350	780	8.6	21.0	7.6	87	745
		10-13-87	0830	4,110	943	8.3	12.0	--	--	--
		10-20-87	1330	3,390	965	8.6	12.0	--	--	--
		11-23-87	1200	1,610	1,560	7.3	8.0	--	--	--
		12-22-87	1330	3,720	715	7.3	4.0	--	--	--
		01-19-88	1000	3,000	--	8.3	0	--	--	--
		02-17-88	1010	3,300	971	8.2	0	--	--	--
		03-15-88	1105	2,320	1,130	8.6	6.5	--	--	--
		04-18-88	1340	1,680	1,230	8.6	14.0	--	--	--
		05-17-88	0945	1,150	1,100	8.1	20.0	--	--	--
		06-07-88	1200	1,490	1,110	8.3	25.0	--	--	--
		07-07-88	0930	1,780	1,370	8.3	27.5	--	--	--
		07-28-88	1815	2,280	633	8.3	30.0	9.7	132	744
		07-29-88	0530	2,250	642	7.5	26.0	6.0	76	742
		08-09-88	1335	2,210	756	8.7	28.5	--	--	--
		08-30-88	1340	882	1,400	8.6	24.0	--	--	--
		10-04-88	1450	864	--	8.7	17.0	--	--	--
		11-07-88	1030	1,800	766	8.4	14.0	--	--	--
		11-15-88	0755	809	983	8.5	15.0	11.6	122	723
		12-20-88	1315	822	1,180	8.6	6.5	--	--	--
		01-24-89	0940	735	1,240	8.7	4.5	--	--	--
		02-14-89	0925	697	984	8.5	0	--	--	--
		03-07-89	1510	966	1,130	8.6	3.5	14.4	111	748
		03-14-89	0905	842	1,050	8.8	9.5	--	--	--
		04-12-89	0845	824	1,020	8.6	10.5	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (µS/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
62	06889000	04-20-89	0840	780	1,030	8.6	15.5	--	--	--
		05-18-89	0905	848	949	8.5	19.0	--	--	--
		06-01-89	1815	920	864	8.4	22.5	8.8	105	740
		06-13-89	0900	848	849	8.5	23.5	--	--	--
		07-13-89	1225	5,600	323	7.9	27.5	--	--	--
		07-20-89	1320	2,760	570	8.3	27.0	7.9	103	736
		08-14-89	0940	1,790	529	8.4	24.0	--	--	--
		09-14-89	1300	28,100	402	8.1	20.0	--	--	--
		10-06-89	1300	2,360	546	8.4	18.0	--	--	--
		11-20-89	0905	1,990	634	8.2	10.5	--	--	--
63	06889160	12-12-89	0925	815	904	8.5	.5	--	--	--
		01-08-90	0920	1,590	836	8.3	1.5	--	--	--
		02-06-90	0930	1,500	733	8.5	5.0	--	--	--
		03-19-90	1015	3,750	645	8.4	10.0	--	--	--
		04-30-90	1200	1,340	887	8.4	14.0	--	--	--
		09-28-87	1010	1.1	767	8.0	18.0	9.2	101	739
		07-29-88	0910	.50	834	7.2	25.0	5.5	69	737
		11-14-88	1000	.58	1,020	7.9	7.5	8.5	75	722
		03-07-89	1010	1.2	730	8.1	5.0	13.6	104	743
		06-01-89	1300	.36	698	7.6	19.0	6.7	76	732
64	06889500	09-28-87	1200	19	529	8.1	19.5	7.0	78	746
		10-13-87	1100	13	673	8.0	14.0	--	--	--
		07-28-88	1230	4.6	504	8.3	30.0	8.8	120	743
		07-28-88	1235	4.6	504	8.3	30.0	8.8	120	743
		07-28-88	1830	4.6	490	8.3	30.0	7.5	102	742
		07-29-88	0005	4.6	524	7.9	26.0	6.3	80	740
		07-29-88	0435	4.6	522	7.9	25.0	5.4	67	742
		11-14-88	1530	3.9	645	8.5	17.0	17.2	185	734
		03-07-89	1230	4.6	650	8.3	6.0	18.0	147	749
		04-12-89	1300	4.6	570	8.3	19.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
64	06889500	05-31-89 07-20-89	1430 1440	3.0 1.6	543 370	7.9 8.6	28.0 29.0	10.8 12.4	144 168	734 734
65	390545095394600	10-13-87 04-12-89	1330 1115	-- --	782 731	7.9 8.4	19.0 16.0	-- --	-- --	-- --
66	390056095420102	09-08-89	1325	--	40	8.8	--	--	--	--
67	390056095420101	09-08-89	1325	--	40	8.8	--	--	--	--
68	06889635	11-14-86	1015	1.0	1,090	--	2.0	--	--	--
69	390316095364600	10-13-87 04-12-89	1630 1630	-- 5.0	921 713	8.3 8.6	18.0 12.5	-- --	-- --	-- --
70	390334095354300	10-13-87 04-12-89	1435 1000	E4,080 --	920 956	8.4 8.3	14.0 9.5	-- --	-- --	-- --
71	394757095434300	09-29-87 07-27-88 11-17-88 03-09-89 06-01-89	1030 0610 1230 1100 1445	3.9 1.0 2.5 2.2 3.6	1,040 1,600 1,350 1,420 --	8.1 7.6 7.9 8.1 7.7	17.0 23.0 6.5 4.5 20.0	10.1 4.5 11.4 14.9 7.0	108 55 96 118 --	742 738 737 747 737
72	06890100	11-10-86 07-29-87 08-19-87 09-23-87 09-29-87	1320 1045 0925 1010 1200	-- 21 29 24 15	628 -- 527 545 580	8.4 -- 7.9 8.3 8.4	4.0 27.0 23.0 14.0 19.0	-- 7.8 8.5 9.3 12.9	-- -- -- -- 143	-- -- -- -- 742
		10-16-87 10-21-87 11-24-87	1020 0945 0930	56 17 52	598 745 --	8.0 7.6 7.2	14.0 7.5 6.0	-- -- 6.8	-- -- --	-- -- --

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
72	06890100	12-23-87	0930	138	396	7.9	1.0	11.1	--	--
		01-20-88	1045	270	458	8.2	-.5	11.6	--	--
		02-17-88	0930	240	421	7.8	.5	12.4	--	--
		03-16-88	1000	35	662	8.3	1.5	14.0	--	--
		04-20-88	1030	43	543	8.3	14.5	9.9	--	--
		05-18-88	0950	17	689	8.1	20.0	8.4	--	--
		06-08-88	0945	19	624	8.0	25.0	7.2	--	--
		07-13-88	0915	9.7	661	8.4	26.0	7.8	--	--
		07-27-88	0745	2.4	677	7.8	20.5	6.2	71	739
		08-10-88	1000	4.4	591	8.4	27.0	--	--	--
		08-31-88	1025	1.5	694	8.3	20.5	10.0	--	--
		10-05-88	1000	1.5	636	8.7	10.5	9.7	--	--
		11-09-88	1010	2.5	860	8.3	8.5	--	--	--
		11-09-88	1020	--	--	--	--	8.7	--	--
		11-17-88	1020	22	816	8.4	5.5	12.1	99	743
		12-21-88	1010	9.6	--	8.5	0	10.5	--	--
		01-25-89	1215	9.6	736	8.6	4.0	--	--	--
		01-25-89	1220	--	--	--	--	11.2	--	--
		02-15-89	1030	6.1	963	8.2	0	--	--	--
		02-15-89	1035	--	--	--	--	13.5	--	--
		03-09-89	1230	12	602	8.4	9.0	15.1	133	749
		03-15-89	1130	9.9	569	8.8	9.0	--	--	--
		03-15-89	1135	--	--	--	--	9.0	--	--
		04-11-89	0945	5.6	602	8.3	6.0	--	--	--
		04-19-89	0920	4.7	717	8.4	10.0	--	--	--
		04-19-89	0925	--	--	--	--	10.0	--	--
		05-17-89	1315	2.5	917	8.3	19.5	--	--	--
		05-17-89	1320	--	--	--	--	7.9	--	--
		05-22-89	1450	54	664	8.0	21.0	--	--	--
		06-02-89	0945	2.1	--	7.9	19.5	9.0	--	732

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
72	06890100	06-14-89	0915	21	580	8.2	19.5	--	--	--
		06-14-89	0920	--	--	--	--	8.6	--	--
		07-12-89	0945	2.1	483	8.2	26.5	--	--	--
		07-12-89	0950	--	--	--	--	6.8	--	--
		07-21-89	0955	.88	480	7.8	22.0	7.1	84	739
		08-16-89	0935	.04	547	8.2	22.5	--	--	--
		08-16-89	0940	--	--	--	--	5.7	--	--
		09-06-89	1115	3,090	148	7.8	20.5	--	--	--
		09-06-89	1120	--	--	--	--	5.8	--	--
		09-10-89	1155	528	236	8.0	19.0	--	--	--
		10-11-89	0925	3.0	629	8.2	14.0	--	--	--
		10-11-89	0930	--	--	--	--	7.9	--	--
		11-15-89	0920	11	628	8.5	7.0	--	--	--
		11-15-89	0925	--	--	--	--	10.7	--	--
		12-13-89	1000	5.4	890	8.2	0	--	--	--
		12-13-89	1005	--	--	--	--	13.7	--	--
73	392823095362800	01-24-90	0850	28	582	8.4	1.0	--	--	--
		02-07-90	1220	26	606	8.5	5.0	--	--	--
		02-07-90	1225	--	--	--	--	14.8	--	--
		03-21-90	1030	60	585	8.2	9.0	--	--	739
		03-21-90	1035	--	--	--	--	10.3	92	739
		04-18-90	1055	--	--	--	--	9.2	85	748
		04-18-90	1100	44	636	8.4	11.0	--	--	748
		09-29-87	1330	4.6	--	8.5	19.0	12.6	--	743
		07-27-88	0810	.60	697	7.7	20.5	5.2	60	738
		11-17-88	1300	3.5	730	8.1	6.5	12.6	106	740
		03-09-89	1400	6.5	630	8.2	6.5	13.7	114	747
		06-02-89	1100	.79	753	7.9	22.0	8.3	99	735

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
74	06890900	07-29-87	0915	35	341	7.5	23.0	7.9	--	--
		08-19-87	0830	35	335	7.7	24.5	7.5	--	--
		10-02-87	1115	25	337	8.5	19.0	11.0	121	745
		10-16-87	1515	25	309	8.3	15.5	--	--	--
		10-21-87	0840	25	--	8.5	12.0	--	--	--
		11-24-87	0915	25	363	8.6	9.5	10.1	--	--
		12-23-87	0830	1,500	400	7.3	6.0	14.6	--	--
		01-20-88	0915	200	--	7.5	2.0	12.3	--	--
		02-17-88	1245	500	--	8.4	4.0	13.6	--	--
		03-16-88	0915	25	405	8.2	4.5	12.5	--	--
		04-20-88	0915	25	418	7.8	12.5	10.4	--	--
		05-18-88	1230	25	355	7.6	22.0	12.2	--	--
		06-08-88	1215	25	365	7.6	17.5	9.6	--	--
		07-13-88	1245	25	382	8.1	25.0	8.7	--	--
		07-29-88	1020	25	401	7.6	20.5	8.4	96	742
		08-10-88	1300	25	431	8.0	23.5	7.9	--	--
		08-31-88	1320	100	384	8.2	26.0	8.2	--	--
		10-05-88	1300	200	360	8.6	18.0	9.6	--	--
		11-09-88	1300	50	396	8.6	12.0	--	--	--
		11-09-88	1310	--	--	--	--	10.7	--	--
		11-15-88	1430	50	378	8.4	11.5	9.0	87	724
		12-21-88	1315	25	--	8.8	5.0	13.2	--	--
		01-25-89	0840	22	354	8.8	2.5	--	--	--
		01-25-89	0845	--	--	--	--	11.3	--	--
		02-15-89	1330	22	394	8.1	1.5	--	--	--
		02-15-89	1335	--	--	--	--	10.7	--	--
		03-07-89	0800	22	389	7.8	2.5	12.9	95	758
		03-15-89	0845	--	--	--	--	10.9	--	--
		03-15-89	0850	22	390	8.3	8.0	--	--	--
		04-12-89	0900	22	347	8.5	10.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second) (00061)	Specific conductance (μ S/cm) (00095)	pH (standard units) (00400)	Temperature, water (deg C) (00010)	Oxygen, dissolved (mg/L) (00300)	Oxygen, dissolved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
74	06890900	04-19-89	1230	22	385	8.5	15.5	--	--	--
		04-19-89	1235	--	--	--	--	13.1	--	--
		05-17-89	1040	22	419	8.1	16.0	--	--	--
		05-17-89	1045	--	--	--	--	8.9	--	--
		05-31-89	1630	22	399	7.8	18.5	8.1	90	735
		06-14-89	1215	22	412	7.7	22.0	--	--	--
		06-14-89	1220	--	--	--	--	8.8	--	--
		07-12-89	1250	24	410	7.8	23.0	--	--	--
		07-12-89	1255	--	--	--	--	8.0	--	--
		07-21-89	1000	24	412	7.7	21.5	8.0	94	739
		08-16-89	1155	22	375	8.2	25.0	--	--	--
		08-16-89	1200	--	--	--	--	7.0	--	--
		09-13-89	1120	1,500	327	8.2	22.0	--	--	--
		09-13-89	1125	--	--	--	--	8.7	--	--
		10-11-89	1300	30	306	8.1	19.5	--	--	--
		10-11-89	1305	--	--	--	--	11.4	--	--
75	390157095262500	11-15-89	1250	29	301	8.3	12.0	--	--	--
		11-15-89	1255	--	--	--	--	11.8	--	--
		12-13-89	1300	1,000	282	8.5	3.0	--	--	--
		12-13-89	1305	--	--	--	--	13.0	--	--
		01-24-90	1220	100	327	8.2	4.0	--	--	--
		02-07-90	0940	100	322	8.1	3.0	--	--	--
		02-07-90	0945	--	--	--	--	13.8	--	--
		03-21-90	1315	700	325	8.5	9.0	11.5	--	--
76	06891000	04-25-90	1405	50	369	8.3	12.0	--	--	739
		10-17-87	1000	E.01	608	7.4	13.0	--	--	--
76	06891000	09-28-87	1500	5,850	785	8.7	22.5	8.6	102	744
		10-17-87	0905	4,800	734	8.4	12.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instant- aneous (cubic feet per second) (00061)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
76	06891000	07-27-88	1805	2,240	628	8.4	30.5	11.4	157	743
		07-28-88	0025	2,210	586	8.5	28.0	7.6	100	746
		07-28-88	0615	2,260	634	7.7	27.0	5.8	75	744
		07-28-88	1215	2,240	680	8.6	28.5	9.6	127	744
		08-26-88	1440	986	1,430	9.0	28.0	--	--	--
		11-14-88	0600	1,090	1,010	7.7	9.0	10.2	90	747
		11-14-88	1000	1,080	1,120	8.1	9.0	10.6	95	737
		11-14-88	1400	1,080	1,010	8.3	15.0	9.8	101	738
		11-14-88	1800	1,080	1,030	8.4	13.0	10.1	100	733
		11-14-88	2200	1,080	1,050	8.3	13.0	9.5	94	732
		11-15-88	0200	1,080	1,070	8.3	13.0	9.1	90	732
		11-15-88	0605	1,060	1,060	8.5	14.5	9.9	103	724
		03-07-89	0615	1,010	1,180	8.2	.5	14.1	99	758
		03-07-89	1010	932	1,190	8.4	.5	13.8	97	755
		03-07-89	1400	852	1,170	8.3	4.0	13.1	102	747
77	06891080	03-07-89	1800	892	1,240	8.4	5.5	12.8	103	752
		03-07-89	2200	964	1,190	8.5	4.0	12.7	98	754
		03-08-89	0200	1,020	1,180	8.7	2.0	12.8	94	757
		03-08-89	0600	1,070	1,310	8.7	.5	13.0	92	748
		04-12-89	0830	953	1,280	8.7	9.0	--	--	--
		05-31-89	1845	852	866	8.2	26.0	7.2	93	730
		07-21-89	0930	2,460	612	8.2	24.0	6.3	77	740
		09-28-87	1205	5,690	706	8.8	22.5	8.4	100	745
		10-16-87	1430	--	980	8.6	15.0	--	--	--
		07-27-88	1825	2,940	625	7.9	29.0	10.7	143	745
		07-28-88	0605	E2,940	567	8.3	28.5	8.5	112	745
		11-14-88	1030	1,520	1,100	8.5	10.0	10.8	98	743

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
77	06891080	03-07-89 04-12-89 06-03-89	1345 1000 0935	784 -- 950	1,180 1,100 913	8.5 8.8 8.5	3.0 13.0 25.0	16.2 -- 8.0	123 -- 100	749 -- 740
78	06891100	09-28-87 10-16-87 07-28-88 11-14-88 03-07-89	0930 1300 0515 1440 1030	5,920 -- 2,580 980 767	711 1,020 570 966 1,170	8.7 -- 8.3 8.6 8.3	23.0 15.0 26.0 12.0 1.0	9.0 -- 6.6 11.4 15.8	108 -- 84 110 113	745 -- 740 733 751
79	385329095353400	04-12-89 06-01-89 07-20-89 09-28-87 10-16-87 07-29-88 03-07-89 04-11-89	1100 1800 1010 1545 0930 0645 1600 1545	-- 860 2,400 E.20 -- .36 .40 3.0	1,080 810 566 384 430 409 528 484	8.7 8.4 7.9 8.3 8.0 7.6 8.0 8.3	10.0 23.5 27.0 23.0 13.0 24.5 6.5 14.0	-- 9.0 7.0 10.1 -- 5.0 12.0 --	-- 111 91 121 -- 62 100 --	-- 730 739 746 -- 740 748 --
80	385608095174400	05-31-89 08-28-89	0930 0005	E.15 --	507 47	7.6 7.3	24.0 22.0	4.5 --	56 --	736 --
81	385608095175400	06-11-89 09-08-89 09-08-89	1545 1510 1545	-- -- --	128 25 42	7.7 7.2 7.2	21.5 21.5 22.0	-- -- --	-- -- --	-- -- --
82	385802095182500	08-27-89	2355	--	42	7.4	22.0	--	--	--
83	06891500	11-07-86 07-29-87 08-19-87 09-23-87 09-29-87	0805 1220 1100 1315 1530	1,060 20 27 18 19	353 350 336 333 320	8.1 7.9 7.8 8.2 8.2	13.5 29.0 25.0 20.0 21.0	-- 6.0 6.3 8.1 8.2	-- -- -- -- 94	-- -- -- -- 745

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instantaneous (cubic feet per second)	Specific conductance (µS/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
83	06891500	10-16-87	1515	14	359	7.7	14.0	--	--	--
		10-21-87	1130	1.5	420	7.8	10.0	--	--	--
		11-24-87	0915	6.6	355	7.9	7.0	9.2	--	--
		12-23-87	1115	13	--	7.6	4.0	16.0	--	--
		01-20-88	1215	26	--	7.2	2.0	12.1	--	--
		02-17-88	1230	16	495	7.1	1.0	13.3	--	--
		03-16-88	0905	16	370	7.9	3.0	11.9	--	--
		04-20-88	1245	600	--	8.3	14.0	9.9	--	--
		05-18-88	0905	26	335	8.0	21.5	7.2	--	--
		06-08-88	1300	25	358	8.2	26.5	7.1	--	--
		07-13-88	1445	960	278	8.1	27.0	7.3	--	741
		07-29-88	0530	24	320	7.8	26.0	6.7	85	--
		08-10-88	1500	23	339	8.3	29.0	8.5	--	--
		08-31-88	1500	240	313	8.4	25.5	8.0	--	--
		10-05-88	1500	28	291	8.3	16.5	9.4	--	--
		11-09-88	1545	11	--	8.1	10.0	--	--	--
		11-09-88	1555	--	--	--	--	8.3	--	--
		11-16-88	1520	11	476	7.4	10.5	2.7	25	739
		12-21-88	1515	4.4	375	8.3	4.0	11.8	--	--
		01-25-89	1600	16	300	7.9	6.0	--	--	--
		01-25-89	1605	--	--	--	--	9.6	--	--
		02-15-89	1530	6.1	386	8.2	1.0	--	--	--
		02-15-89	1535	--	--	--	--	12.7	--	--
		03-07-89	1300	4.2	373	8.3	2.5	14.3	107	746
		03-15-89	1430	4.6	376	8.3	10.5	--	--	--
		03-15-89	1435	--	--	--	--	10.2	--	--
		04-11-89	1745	25	318	8.3	12.0	--	--	--
		04-19-89	1445	24	347	8.3	15.5	--	--	--
		04-19-89	1450	--	--	--	--	9.6	--	--
		05-17-89	0750	24	358	8.0	19.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
83	06891500	05-17-89	0755	--	--	--	--	7.1	--	--
		05-31-89	1045	22	340	7.8	24.5	5.9	73	738
		06-14-89	1415	22	329	8.2	22.5	--	--	--
		06-14-89	1420	--	--	--	--	7.5	--	--
		07-12-89	1510	25	318	8.3	29.5	--	--	--
		07-12-89	1515	--	--	--	--	6.3	--	--
		07-20-89	0915	23	322	8.0	24.5	6.4	79	743
		08-16-89	1325	22	318	8.4	26.0	--	--	--
		08-16-89	1330	--	--	--	--	1.5	--	--
		09-13-89	0850	47	340	8.1	16.0	--	--	--
		09-13-89	0855	--	--	--	--	7.9	--	--
		10-11-89	1520	1.8	389	7.9	19.0	--	--	--
84	385516095151000	10-11-89	1525	--	--	--	--	8.1	--	--
		11-15-89	1500	3.5	456	8.2	11.0	--	--	--
		11-15-89	1505	--	--	--	--	7.4	--	--
		12-13-89	1450	3.1	420	8.1	1.0	--	--	--
		12-13-89	1455	--	--	--	--	13.5	--	--
		01-24-90	1415	9.0	432	8.2	4.5	--	--	--
		02-07-90	0730	10	501	8.1	3.0	--	--	--
		02-07-90	0735	--	--	--	--	8.1	--	--
		03-21-90	1535	601	335	8.4	11.5	11.0	--	--
		04-25-90	1205	9.0	469	8.1	19.0	--	--	--
		09-08-89	1520	--	56	8.2	22.0	--	--	--
		09-08-89	1530	--	29	7.2	22.0	--	--	--
85	385359095143000	08-28-89	0025	--	167	7.6	23.0	--	--	--
		09-08-89	1530	--	29	7.2	22.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
86	06891850	09-28-87	1045	4.2	484	8.0	20.5	8.0	91	745
		07-28-88	0615	E.05	529	7.5	22.5	2.7	32	743
		07-28-88	1200	E.40	515	7.8	25.5	7.0	88	745
		03-08-89	1200	4.5	534	8.2	3.5	15.5	118	757
		06-02-89	1250	E.30	557	7.8	23.5	8.1	99	736
87	06892000	11-10-86	0840	250	497	8.6	7.5	--	--	--
		09-28-87	1250	6.5	401	8.0	21.0	8.0	92	744
		10-16-87	1300	13	497	7.9	14.0	--	--	--
		07-28-88	0445	.06	481	7.7	25.5	5.4	68	745
		07-28-88	1500	.06	474	8.1	29.0	8.5	113	745
		11-14-88	1345	2.4	490	7.8	10.0	8.4	77	735
		03-08-89	1415	6.0	494	8.3	5.5	13.7	111	748
		04-11-89	1315	6.9	591	8.3	10.5	--	--	--
		06-02-89	1530	9.1	304	7.7	23.0	5.6	68	738
		07-19-89	1630	23	260	7.6	25.5	6.1	77	739
88	06892350	11-07-86	1315	12,000	568	8.0	12.5	--	--	--
		05-11-87	0955	14,700	810	8.0	23.5	--	--	--
		06-24-87	0940	14,500	718	8.1	26.0	--	--	--
		07-22-87	1340	8,260	950	8.4	29.0	--	--	--
		08-19-87	0945	5,450	814	8.3	26.5	--	--	--
		09-21-87	0930	7,150	738	7.7	20.0	--	--	--
		09-28-87	1500	6,100	760	8.0	23.0	--	--	745
		10-16-87	1105	4,240	913	8.2	15.0	--	--	--
		10-20-87	1000	3,750	874	8.5	10.0	--	--	746
		11-23-87	0900	1,760	--	7.9	7.0	--	--	--
		12-22-87	0915	7,840	570	7.5	3.0	--	--	--
		01-19-88	1515	3,150	1,170	8.0	2.0	--	--	--
		02-17-88	0920	3,800	--	7.3	1.0	--	--	--
		03-15-88	1245	2,810	1,030	8.5	3.5	--	--	--
		04-18-88	0945	2,670	960	8.7	12.0	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm)	pH (standard units)	Temper- ature, water (deg C)	Oxygen, dis- solved (mg/L)	Oxygen, dis- solved (percent saturation)	Barometric pressure (mm of Hg)
				(00061)	(00095)	(00400)	(00010)	(00300)	(00301)	(00025)
88	06892350	05-16-88	0945	1,390	1,110	8.3	22.0	--	--	--
		06-06-88	1200	1,990	1,000	8.7	24.0	--	--	--
		07-01-88	1030	12,500	507	8.0	20.0	--	--	--
		07-07-88	1330	2,940	--	8.4	28.0	--	--	--
		07-27-88	1815	2,500	525	8.2	30.0	7.0	97	730
		07-27-88	2400	2,320	628	7.7	29.0	6.8	91	746
		07-28-88	0610	2,290	656	8.4	27.0	5.8	75	740
		07-28-88	1220	2,280	709	8.2	28.0	8.2	108	740
		08-08-88	0945	2,100	815	8.5	32.0	--	--	--
		08-29-88	1045	1,140	1,120	8.8	22.5	--	--	--
		10-03-88	1020	1,200	1,010	9.1	18.0	--	--	--
		11-08-88	1020	1,930	863	8.6	10.0	--	--	--
		11-16-88	1510	1,060	1,080	8.5	9.5	10.0	91	739
		12-19-88	0950	897	1,200	8.6	5.0	--	--	--
		01-23-89	1140	851	1,140	8.9	5.0	--	--	--
		02-21-89	1010	889	1,020	8.6	1.0	--	--	--
		03-07-89	1550	608	1,380	8.8	8.0	11.6	100	750
		03-13-89	0925	944	1,050	8.9	10.0	--	--	--
		04-11-89	0900	1,150	1,020	9.0	7.0	--	--	--
		04-18-89	1255	878	1,040	9.0	19.0	--	--	--
		05-19-89	0920	1,120	966	8.8	21.0	--	--	--
		05-30-89	1905	1,180	927	8.6	28.0	10.4	138	735
		06-12-89	0930	1,190	861	8.8	23.5	--	--	--
		07-14-89	0855	6,820	464	8.1	29.0	--	--	--
		07-20-89	1520	2,420	596	8.2	29.0	8.1	109	741
		08-15-89	0915	1,770	725	8.5	24.5	--	--	--
		09-07-89	1325	39,200	240	7.9	24.0	--	--	--
		09-15-89	0915	29,600	406	8.1	20.0	--	--	--
		10-05-89	0935	2,870	594	8.3	17.0	--	--	--
		11-14-89	1035	1,540	779	8.7	13.5	--	--	--

Table 4. Physical properties and miscellaneous constituents--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Discharge, instan- taneous (cubic feet per second)	Specific conduct- ance (μ S/cm) (00095)	pH (standard units) (00400)	Temper- ature, water (deg C) (00010)	Oxygen, dis- solved (mg/L) (00300)	Oxygen, dis- solved (percent saturation) (00301)	Barometric pressure (mm of Hg) (00025)
88	06892350	12-11-89	0930	2,370	632	8.4	0	--	--	--
		01-12-90	0920	2,230	811	8.4	3.5	--	--	--
		02-05-90	0930	1,670	797	8.4	2.5	--	--	--
		03-15-90	1220	13,200	389	7.9	11.0	--	--	--
		04-23-90	1500	1,910	798	8.8	20.5	--	--	--
89	06892500	10-13-87	1530	--	922	8.6	15.5	--	--	--
		04-11-89	1030	--	905	8.0	7.0	--	--	--
90	06892940	09-28-87	1250	22	920	8.0	22.0	--	--	743
		10-13-87	1215	--	1,060	7.4	17.5	--	--	--
		07-29-88	0510	9.9	972	7.7	24.0	2.9	36	740
		11-14-88	1210	24	1,030	8.1	16.0	7.4	78	736
		03-07-89	0925	28	1,510	8.4	6.0	12.0	98	752
		04-11-89	1130	--	1,150	8.0	12.0	--	--	--
		06-02-89	1440	32	1,100	7.9	23.0	7.3	88	739
91	06892950	07-20-89	1400	2.7	888	7.6	26.0	7.2	92	742
		09-28-87	1115	6,650	795	8.3	23.0	--	--	742
		10-13-87	0930	--	804	8.6	13.0	--	--	--
		07-29-88	0615	E2,550	723	8.4	28.0	5.5	73	740
		08-26-88	0950	933	987	8.3	28.0	--	--	--
		11-14-88	1000	1,010	923	8.3	11.5	8.4	80	736
		03-07-89	1320	1,090	--	9.0	6.0	11.8	--	752
		04-11-89	1400	--	970	8.9	10.0	--	--	--
		06-02-89	1145	1,180	1,170	8.0	26.0	5.0	63	744
		07-20-89	1140	2,240	555	8.0	26.0	7.1	90	742

Table 5. Concentrations of major ions and dissolved solids in water

[Number in parentheses is U.S. Environmental Protection Agency identification code. mg/L, milligrams per liter; --, not determined; < less than]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
1	06879100	05-14-87	1120	210	66	12	56	8.3	--	--	--
		06-03-87	1145	310	93	18	99	9.5	--	--	--
		06-22-87	1445	290	87	18	110	10	--	--	--
		07-21-87	0930	290	87	17	100	10	225	--	184
		08-18-87	1045	330	100	19	150	11	249	--	204
		09-21-87	1000	370	110	24	190	11	--	--	--
		10-20-87	1100	370	110	24	190	9.6	317	--	260
		11-23-87	1045	430	130	26	180	11	320	--	262
		12-21-87	1100	400	120	25	180	11	310	--	256
		01-22-88	1005	410	120	26	140	--	330	--	271
		02-16-88	1030	440	130	27	150	9.2	322	--	264
		03-14-88	1030	440	130	27	170	11	298	--	244
		04-20-88	1120	400	110	31	230	8.7	294	--	241
		05-17-88	1230	360	99	28	220	8.6	257	--	211
		06-09-88	1200	340	90	28	230	--	203	--	166
		07-06-88	0855	240	68	16	120	9.5	174	7	154
		07-27-88	1300	300	82	23	220	11	--	--	--
		08-11-88	0940	310	81	25	240	11	154	3	131
		09-02-88	0920	280	73	23	160	11	171	--	140
		10-07-88	1230	300	80	24	180	10	176	36	204
		11-04-88	1315	400	110	29	270	10	250	28	252
		12-16-88	0910	400	110	30	260	9.3	262	16	242
		01-27-89	1015	430	120	31	260	8.8	266	34	266
		02-17-89	1210	430	120	32	270	8.6	286	17	262
		03-17-89	1000	340	88	29	230	8.9	183	36	210
		04-24-89	1035	370	97	31	260	9.7	244	10	216
		05-16-89	0815	300	76	26	210	9.3	237	--	194
		05-25-89	1100	130	39	7.7	42	6.6	116	--	95

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
1	06879100	06-15-89	1005	140	43	8.7	63	8.2	159	--	130
		07-11-89	0830	130	44	5.6	21	9.3	134	--	110
		08-18-89	0835	270	80	16	140	11	161	29	180
		09-11-89	1045	140	42	9.5	34	9.0	145	--	119
		10-02-89	1030	260	76	17	97	12	159	17	158
		11-17-89	0900	320	91	22	180	9.8	212	31	226
		12-19-89	1115	210	58	16	69	9.2	164	17	162
		01-10-90	1420	320	94	21	150	9.9	264	--	216
		02-09-90	0910	310	86	22	160	10	218	13	200
		03-23-90	1040	250	72	17	99	9.0	191	15	181
		04-27-90	1200	290	78	24	160	9.6	175	24	184
2	390255096435000	07-27-88	1150	280	70	25	17	3.7	--	--	--
3	06879650	05-20-87	1025	300	89	18	5.4	.8	--	--	--
		05-27-87	0950	90	29	4.2	1.8	2.6	199	--	163
		06-22-87	1040	300	91	17	5.3	.9	--	--	--
		07-21-87	1145	320	96	18	5.9	1.0	356	--	292
		01-19-88	1110	330	100	19	5.5	1.2	350	--	286
		02-16-88	1400	330	100	19	5.5	1.0	376	--	308
		03-14-88	1500	330	99	19	5.3	1.1	359	--	294
		04-18-88	1535	300	90	18	5.2	.9	339	--	278
		05-17-88	1015	320	97	19	5.7	1.0	333	--	273
		06-09-88	1300	320	98	19	5.6	1.1	361	--	296
		09-08-89	2150	180	56	9.6	3.1	5.1	205	--	168
		09-08-89	2205	150	49	7.4	2.7	4.3	181	--	148
		09-08-89	2250	99	32	4.5	1.6	4.0	117	--	96
		09-09-89	0020	130	40	6.2	2.2	3.6	134	--	110
		09-09-89	0235	170	53	8.7	3.0	3.2	222	--	182

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
3	06879650	09-09-89	0500	210	64	11	3.5	2.8	210	--	172
		09-09-89	0715	210	64	11	3.5	2.6	217	--	178
		09-11-89	1520	290	89	16	5.2	1.9	337	--	276
		10-03-89	0855	320	96	18	5.7	1.3	349	--	286
		11-17-89	1315	320	97	19	6.1	1.0	356	--	292

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved mg/L as SO ₄ (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
1	06879100	05-14-87	--	100	74	--	11	442	423
		06-03-87	--	170	150	--	12	650	687
		06-22-87	--	170	150	--	9.8	671	666
		07-21-87	--	170	140	0.3	8.3	644	647
		08-18-87	--	160	210	--	12	836	791
		09-21-87	--	190	280	--	11	947	964
		10-20-87	--	200	200	.4	11	1,000	905
		11-23-87	--	220	420	--	12	1,020	1,160
		12-21-87	--	230	310	--	11	1,030	1,050
		01-22-88	--	230	190	.4	12	886	--
		02-16-88	--	240	200	--	13	930	935
		03-14-88	--	260	--	--	9.8	1,020	--
		04-20-88	--	280	340	.4	6.0	1,160	1,150
		05-17-88	--	240	320	--	6.2	1,080	1,050
		06-09-88	--	230	330	--	7.1	1,070	--
		07-06-88	--	120	150	.4	9.9	615	592
		07-27-88	176	190	310	.4	8.6	992	951
		08-11-88	--	220	350	--	4.2	1,030	1,010
		09-02-88	--	170	210	--	4.3	758	737
		10-07-88	--	180	190	.4	3.4	849	793
		11-04-88	--	230	390	--	6.5	1,130	1,200
		12-16-88	--	240	360	--	6.6	1,200	1,160
		01-27-89	--	260	--	.3	7.4	1,230	--
		02-17-89	--	270	360	--	8.9	1,220	1,230
		03-17-89	--	230	310	--	5.8	1,030	1,030
		04-24-89	--	230	340	.4	3.1	1,140	1,100
		05-16-89	--	200	290	--	1.5	962	931
		05-25-89	--	60	50	--	6.0	292	274

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved mg/L as SO ₄ (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
1	06879100	06-15-89	--	71	76	--	8.3	339	362
		07-11-89	--	42	25	--	12	244	232
		08-18-89	--	160	200	--	8.3	734	726
		09-11-89	--	68	30	--	6.1	285	274
		10-02-89	--	160	130	--	7.4	593	598
		11-17-89	--	180	250	--	8.4	876	879
		12-19-89	--	110	74	--	7.3	457	446
		01-10-90	--	190	200	--	8.6	809	808
		02-09-90	--	170	220	--	7.6	841	799
		03-23-90	--	130	130	--	8.1	602	578
		04-27-90	--	180	220	--	2.5	826	785
2	390255096435000	07-27-88	274	34	11	0.4	20	350	346
3	06879650	05-20-87	--	28	1.0	--	13	319	325
		05-27-87	--	18	0.9	--	14	130	170
		06-22-87	--	31	2.3	--	14	332	330
		07-21-87	--	31	2.5	.4	15	308	346
		01-19-88	--	40	1.6	.5	15	332	356
		02-16-88	--	34	1.5	--	14	351	361
		03-14-88	--	38	1.9	--	14	359	356
		04-18-88	--	39	1.6	.4	12	342	335
		05-17-88	--	40	1.6	--	14	308	343
		06-09-88	--	39	1.6	--	15	321	358
		09-08-89	--	33	1.4	--	13	224	223
		09-08-89	--	20	1.0	--	16	198	190
		09-08-89	--	9.0	.9	--	16	140	126
		09-09-89	--	6.0	1.1	--	17	157	142
		09-09-89	--	20	1.1	--	17	200	216

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved mg/L as SO ₄ (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
3	06879650	09-09-89	--	24	1.2	--	16	223	226
		09-09-89	--	20	1.1	--	17	221	227
		09-11-89	--	42	1.6	--	15	321	338
		10-03-89	--	41	1.9	--	15	258	352
		11-17-89	--	44	1.8	--	13	202	358

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
3	06879650	12-15-89	1305	320	96	18	5.6	0.8	355	--	291
		02-13-90	1030	330	99	19	5.3	1.0	364	--	298
		03-13-90	2055	200	62	11	3.5	2.5	242	--	198
		03-13-90	2140	110	34	5.2	1.8	2.7	124	--	102
		03-13-90	2355	170	51	9.3	3.0	2.3	179	--	147
		03-20-90	1130	290	88	16	4.6	.7	327	--	268
		04-27-90	1715	290	88	17	5.1	.8	329	--	270
5	06879820	07-24-88	1020	270	77	18	130	9.5	--	--	--
		09-07-88	1340	--	--	--	--	--	129	43	177
6	06879900	07-26-88	0730	220	63	15	29	9.0	--	--	--
9	405221097582100	07-26-88	0945	180	52	12	25	12	--	--	--
10	405438097354800	07-26-88	0900	220	65	14	29	8.0	--	--	--
11	06880000	07-26-88	0845	--	73	--	--	4.0	--	--	--
12	06880500	07-26-88	1000	210	60	14	28	8.0	--	--	--
16	403611098200600	07-26-88	0630	190	58	10	69	9.0	--	--	--
		09-06-88	1145	--	--	--	--	--	336	--	275
17	404247097580600	07-25-88	1230	180	54	11	30	10	--	--	--
18	403749097503400	07-25-88	1130	160	49	10	24	11	--	--	--
19	404327097354600	07-25-88	1200	200	59	12	27	8.0	--	--	--
21	405029097322100	07-26-88	1010	220	66	14	46	9.0	--	--	--
		09-06-88	1440	--	--	--	--	--	278	--	228

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
23	06880800	05-13-87	0930	170	50	9.9	22	10	188	--	154
		05-15-87	0855	--	--	--	--	--	213	--	174
		05-19-87	1330	210	66	12	24	--	--	--	--
		05-21-87	0915	230	69	13	29	8.7	--	--	--
		05-27-87	1400	--	--	--	--	--	154	--	126
		05-29-87	1130	--	--	--	--	--	121	--	99
		06-03-87	0945	40	11	3.1	5.4	9.0	48	--	39
		06-05-87	1000	--	--	--	--	--	138	--	113
		06-08-87	1045	--	--	--	--	--	218	--	179
		06-09-87	1000	35	9.6	2.7	4.7	7.8	43	--	35
		06-10-87	1100	54	15	4.0	7.6	8.6	56	--	46
		06-11-87	1030	--	--	--	--	--	43	--	35
		06-16-87	1030	180	54	10	22	10	202	--	166
		06-18-87	1030	--	--	--	--	--	73	--	60
		07-15-87	1100	160	46	9.7	22	9.5	178	--	146
		08-11-87	1000	210	63	12	27	11	238	--	195
		09-09-87	1030	250	76	14	31	8.8	251	8	220
		10-05-87	1120	260	79	14	33	8.0	283	--	232
		11-03-87	1000	260	82	14	39	9.6	308	--	252
		12-01-87	1000	260	80	14	36	7.3	271	--	222
		01-26-88	1030	260	81	15	36	9.1	334	--	274
		02-22-88	1100	210	65	12	30	8.9	234	--	192
		03-21-88	1100	260	80	14	34	7.8	276	--	226
		04-18-88	1020	250	77	14	36	7.2	--	--	--
		05-24-88	1130	160	47	9.5	24	9.0	207	--	170

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of, constituents, dissolved (mg/L) (70301)
3	06879650	12-15-89	--	43	1.9	--	12	318	353
		02-13-90	--	46	1.7	--	14	372	366
		03-13-90	--	21	1.0	--	12	237	233
		03-13-90	--	8.1	.8	--	12	137	127
		03-13-90	--	14	.9	--	12	192	182
		03-20-90	--	28	1.4	--	11	317	311
		04-27-90	--	34	4.1	--	12	318	324
5	06879820	07-24-88	173	140	180	0.4	11	692	674
		09-07-88	--	--	--	--	--	--	--
6	06879900	07-26-88	230	47	18	.3	24	365	348
9	405221097582100	07-26-88	180	45	16	.3	17	307	292
10	405438097354800	07-26-88	217	52	17	.3	27	368	342
11	06880000	07-26-88	238	52	11	.4	--	365	--
12	06880500	07-26-88	206	66	10	.3	24	347	345
16	403611098200600	07-26-88	170	58	61	.4	28	--	410
		09-06-88	--	--	--	--	--	--	--
17	404247097580600	07-25-88	169	52	19	.3	24	324	312
18	403749097503400	07-25-88	154	47	17	.3	24	304	283
19	404327097354600	07-25-88	179	60	18	.3	26	346	318
21	405029097322100	07-26-88	226	52	36	.3	28	430	387
		09-06-88	--	--	--	--	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of, constituents, dissolved (mg/L) (70301)
23	06880800	05-13-87	--	48	13	--	24	282	283
		05-15-87	--	--	--	--	--	--	--
		05-19-87	--	53	11	--	--	--	--
		05-21-87	--	65	15	--	31	360	--
		05-27-87	--	--	--	--	--	--	--
		05-29-87	--	--	--	--	--	--	--
		06-03-87	--	15	4.5	--	17	114	101
		06-05-87	--	--	--	--	--	--	--
		06-08-87	--	--	--	--	--	--	--
		06-09-87	--	15	2.9	--	11	141	85
		06-10-87	--	19	5.0	--	13	131	111
		06-11-87	--	--	--	--	--	--	--
		06-16-87	--	48	16	--	27	298	301
		06-18-87	--	--	--	--	--	--	--
		07-15-87	--	47	13	0.4	24	269	273
		08-11-87	--	54	15	--	26	349	337
		09-09-87	--	63	15	--	28	375	375
		10-05-87	--	73	15	.3	31	378	404
		11-03-87	--	61	23	--	27	401	417
		12-01-87	--	61	26	--	29	393	402
		01-26-88	--	70	21	--	33	425	446
		02-22-88	--	53	17	.3	28	341	344
		03-21-88	--	--	--	--	30	--	--
		04-18-88	--	66	20	--	30	403	--
		05-24-88	--	50	16	.4	23	305	282

Table 5. Concentrations of major ions and dissolved solids in water-- Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potas- sium, dissolved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
23	06880800	06-20-88	1030	260	78	15	36	--	271	7	234
		07-18-88	1000	210	64	13	32	10	220	--	180
		07-25-88	1245	190	58	12	27	10	--	--	--
		08-08-88	1115	220	68	13	31	10	246	--	202
		08-31-88	1400	250	75	15	34	10	242	16	224
		10-12-88	1230	180	55	11	23	11	203	--	166
		11-07-88	1200	260	79	15	38	8.3	278	--	228
		12-06-88	1000	240	74	14	39	7.4	267	--	219
		01-03-89	1130	260	81	14	41	8.3	334	--	274
		02-07-89	1000	250	78	14	39	7.8	288	--	236
		03-07-89	1400	220	68	12	34	8.4	--	--	--
		04-04-89	0955	250	75	14	37	8.0	279	--	229
		05-02-89	0830	260	79	14	39	8.0	292	--	239
		06-21-89	1020	220	67	12	37	9.7	--	--	--
		06-27-89	1030	37	11	2.4	4.8	12	35	--	29
		06-28-89	1200	32	9.2	2.2	4.5	13	40	--	33
		06-29-89	1130	42	12	2.9	5.4	14	43	--	35
		06-30-89	0915	48	14	3.2	6.6	13	--	--	36
		08-22-89	1010	180	55	11	28	12	--	--	--
		09-05-89	1030	28	7.9	2.0	4.1	9.4	36	--	30
		10-31-89	1330	240	71	15	35	7.5	--	--	--
		11-28-89	1000	240	76	13	36	7.8	303	--	248
		12-18-89	1135	250	78	14	40	7.7	--	--	--
		01-17-90	1130	240	73	13	36	8.1	286	--	234
		02-12-90	1400	230	72	13	39	7.6	264	--	216
		03-26-90	1000	210	66	12	30	10	237	--	194
		04-17-90	1545	240	74	13	37	7.5	271	5	230

Table 5. Concentrations of major ions and dissolved solids in water-- Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potas- sium, dissolved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
26	06881000	07-25-88 09-07-88	1030 0840	200 --	60 --	13 --	30 --	9.0 --	-- 264	-- --	-- 216
27	403304097311400	07-25-88	1325	110	32	7.7	21	9.0	--	--	--
28	06881200	07-25-88	0600	130	39	9.1	30	11	--	--	--
29	402348096591100	07-25-88	0630	200	59	13	88	6.1	--	--	--
31	401730096500200	07-26-88	0510	170	48	11	23	11	--	--	--
32	06881500	07-25-88 07-25-88 07-25-88 07-26-88 07-26-88	1330 1700 2100 0115 0950	180 180 180 180 --	53 53 51 53 --	12 12 12 12 12	39 39 40 40 39	10 10 10 11 10	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
34	400632096401600	07-27-88 07-25-88	0510 0650	190 160	55 47	12 11	44 18	10 9.3	-- --	-- --	-- --
35	06882000	05-12-87 05-19-87 06-02-87 06-10-87 06-16-87	1100 1115 1230 1300 1000	150 270 82 96 140	44 77 23 27 40	10 18 5.9 6.8 9.4	24 45 13 15 23	8.4 8.5 8.0 8.0 9.2	150 280 81 95 137	-- 1 -- -- --	123 231 66 78 112
		06-19-87 07-14-87 08-10-87 09-08-87 10-05-87	1100 1200 1130 1100 1200	74 170 150 170 250	21 50 45 50 75	5.2 11 10 12 16	12 27 35 32 46	6.9 10 9.2 10 8.8	80 188 173 204 263	-- 1 -- 1 4	66 156 142 169 221

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
23	06880800	06-20-88	--	65	17	--	31	401	--
		07-18-88	--	53	--	--	29	352	--
		07-25-88	191	53	15	0.3	26	329	328
		08-08-88	--	51	17	.3	28	353	353
		08-31-88	--	59	18	--	26	372	382
		10-12-88	--	44	11	--	28	300	293
		11-07-88	--	66	19	.3	27	396	400
		12-06-88	229	55	20	.3	23	394	378
		01-03-89	243	68	25	.3	30	417	445
		02-07-89	240	63	22	.3	31	404	410
		03-07-89	203	54	19	.3	29	356	363
		04-04-89	236	61	19	.3	23	382	383
		05-02-89	246	59	21	.3	28	407	401
		06-21-89	209	55	19	.4	31	370	370
		06-27-89	29	7.0	4.6	.2	12	84	92
		06-28-89	28	9.0	5.2	.3	11	120	95
		06-29-89	35	12	5.3	.3	13	127	106
		06-30-89	44	12	5.6	.3	15	149	113
		08-22-89	178	46	15	.4	22	298	306
		09-05-89	29	7.0	3.3	.3	9.9	77	69
		10-31-89	233	60	22	.3	18	367	374
		11-28-89	232	59	20	.3	24	371	396
		12-18-89	245	66	23	.3	31	420	423
		01-17-90	220	59	21	.3	28	404	395
		02-12-90	221	60	22	.3	26	396	385
		03-26-90	199	51	15	.2	29	356	342
		04-17-90	228	53	22	.3	23	377	378

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
26	06881000	07-25-88 09-07-88	197 --	59 --	14 --	0.4 --	21 --	355 --	333 --
27	403304097311400	07-25-88	105	41	16	.3	20	241	210
28	06881200	07-25-88	116	56	22	.3	19	245	266
29	402348096591100	07-25-88	222	51	100	.3	24	485	483
31	401730096500200	07-26-88	179	31	10	.5	21	279	270
32	06881500	07-25-88 07-25-88 07-25-88 07-26-88 07-26-88	172 173 176 176 174	53 51 51 52 51	28 28 30 29 27	.5 .5 .4 .3 .3	23 23 47 24 23	346 343 345 349 330	337 335 362 341 --
		07-27-88	181	57	36	.4	23	372	357
34	400632096401600	07-25-88	122	62	9.4	.4	14	259	252
35	06882000	05-12-87 05-19-87 06-02-87 06-10-87 06-16-87	-- 237 -- -- --	50 77 31 32 44	18 31 7.3 14 20	-- .1 -- -- --	16 22 13 13 18	254 443 172 193 250	258 430 158 180 247
		06-19-87 07-14-87 08-10-87 09-08-87 10-05-87	-- 154 -- 159 --	24 65 45 55 69	8.7 16 12 25 33	-- .4 -- .3 .3	11 19 19 9.9 27	159 305 299 318 428	128 308 273 309 422

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
35	06882000	11-02-87	1100	310	91	19	50	8.0	300	11	267
		12-01-87	1100	300	88	19	53	6.4	320	2	266
		01-26-88	1130	290	85	18	53	8.1	293	--	240
		02-23-88	1130	220	66	14	39	10	234	--	192
		03-21-88	1130	280	83	18	54	6.8	271	7	234
		04-20-88	1115	260	71	19	57	7.5	233	24	231
		05-24-88	1005	240	69	16	48	7.5	251	--	206
		06-21-88	0925	260	76	17	59	8.4	227	40	252
		07-19-88	1025	210	61	14	47	9.0	199	13	185
		07-25-88	0540	170	48	11	35	9.0	--	--	--
		08-09-88	0915	220	64	14	53	10	229	12	208
		08-30-88	1400	200	57	13	44	10	203	--	166
		10-18-88	1000	180	52	12	43	11	183	--	150
		11-08-88	1200	270	80	17	66	8.9	262	16	241
		12-06-88	0900	270	78	17	57	6.9	281	10	246
		01-04-89	1100	290	85	18	70	7.3	253	40	273
		01-31-89	1100	250	74	16	57	6.5	278	--	228
		03-28-89	1130	220	64	14	51	10	254	--	208
		04-19-89	1130	220	58	17	64	7.9	194	19	191
		05-24-89	0940	180	47	16	61	7.1	210	14	196
		06-27-89	1245	97	30	5.4	15	7.9	105	--	86
		07-11-89	0930	60	18	3.7	10	13	--	--	--
		08-16-89	0825	210	61	13	50	12	--	--	202
		09-06-89	1020	49	14	3.3	7.9	9.8	57	--	47
		10-23-89	1600	240	70	15	59	8.1	--	--	--
		11-29-89	1030	260	78	16	61	8.2	295	7	254
		12-19-89	0920	290	86	18	68	8.9	333	--	273
		01-18-90	1000	240	73	15	53	7.1	271	--	222

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
35	06882000	02-13-90	1030	260	77	16	56	6.6	283	--	232
		03-21-90	0945	260	78	16	51	7.5	265	13	239
		04-18-90	1000	220	61	16	59	7.2	220	13	202
36	06882510	07-25-88	1230	180	52	12	41	7.0	203	--	166
37	402726098240500	07-26-88	0515	150	45	8.5	16	10	--	--	--
38	06883000	07-26-88	0810	160	49	9.2	17	15	--	--	--
39	401243097433500	07-26-88	0630	140	43	7.9	16	13	--	--	--
40	06883570	07-26-88	0630	150	48	7.9	18	8.0	--	--	--
41	401826097451100	07-26-88	0600	140	40	8.7	21	11	--	--	--
42	06883940	07-26-88	0545	120	36	7.0	24	8.6	--	--	--
44	06884000	07-25-88	0845	140	44	7.0	24	9.6	--	--	--
46	400359097101400	07-25-88	0615	160	55	6.7	16	9.0	--	--	--
47	06884025	05-12-87	1410	200	65	9.8	25	10	215	--	176
		05-26-87	1150	180	57	8.3	24	7.4	162	--	133
		06-23-87	1030	120	38	6.4	18	7.3	139	--	114
		06-30-87	1700	70	22	3.6	8.4	8.5	73	--	60
		07-01-87	0730	63	20	3.1	6.3	8.8	60	--	49
		07-21-87	1100	180	56	9.3	28	15	198	4	168
		08-18-87	1120	120	37	5.9	20	9.3	126	--	206
		09-15-87	1030	140	44	7.6	26	9.6	168	--	138
		10-13-87	1115	230	73	11	43	6.8	316	1	261
		11-04-87	1120	240	76	11	45	7.8	264	--	216

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
35	06882000	11-02-87	266	90	36	0.3	22	483	484
		12-01-87	--	79	38	--	22	477	478
		01-26-88	260	79	38	.4	26	469	469
		02-23-88	--	62	25	.3	23	366	366
		03-21-88	246	76	38	.2	18	463	444
		04-20-88	--	88	46	--	12	438	442
		05-24-88	216	73	33	.4	23	422	404
		06-21-88	--	78	45	--	24	473	466
		07-19-88	191	64	37	.5	24	380	383
		07-25-88	156	49	25	.3	21	318	307
		08-09-88	--	64	45	.4	16	397	397
		08-30-88	167	55	34	.3	28	338	352
		10-18-88	--	57	37	--	22	343	338
		11-08-88	245	82	60	.3	19	484	488
		12-06-88	252	78	42	.3	19	465	457
		01-04-89	267	87	56	.3	22	519	524
		01-31-89	241	74	45	.3	19	447	445
		03-28-89	200	69	41	.2	24	398	416
		04-19-89	201	83	52	.3	5.1	417	405
		05-24-89	176	66	48	.3	1.2	372	365
		06-27-89	97	26	9.7	.3	13	169	170
		07-11-89	62	16	8.3	.3	16	125	132
		08-16-89	204	54	38	.4	21	373	377
		09-06-89	56	13	5.0	.3	11	95	98
		10-23-89	224	67	53	.3	17	417	428
		11-29-89	248	70	51	.3	19	464	464
		12-19-89	281	86	58	.3	24	539	532
		01-18-90	229	69	43	.2	24	457	434

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
35	06882000	02-13-90	243	74	46	0.3	21	471	451
		03-21-90	241	69	35	.3	16	443	428
		04-18-90	206	68	47	.2	7.8	405	392
36	06882510	07-25-88	165	56	34	.3	22	353	339
37	402726098240500	07-26-88	145	35	8.9	.3	24	259	242
38	06883000	07-26-88	161	32	10	.4	28	263	265
39	401243097433500	07-26-88	138	31	11	.4	23	237	236
40	06883570	07-26-88	157	33	--	.3	20	--	--
41	401826097451100	07-26-88	143	23	12	.3	27	245	242
42	06883940	07-26-88	128	23	20	.3	28	215	233
44	06884000	07-25-88	149	27	19	.3	23	250	245
46	400359097101400	07-25-88	153	30	12	.3	21	241	254
47	06884025	05-12-87	--	50	23	--	22	325	320
		05-26-87	--	40	21	--	19	288	264
		06-23-87	--	30	16	--	15	217	207
		06-30-87	--	17	7.0	--	12	148	128
		07-01-87	--	12	5.6	--	12	123	113
		07-21-87	--	39	22	.4	22	298	297
		08-18-87	--	26	14	--	17	196	196
		09-15-87	--	31	29	--	18	246	255
		10-13-87	--	45	39	.3	24	366	405
		11-04-87	--	47	41	--	24	379	387

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map referenc number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
47	06884025	12-06-87	1130	240	76	11	40	6.3	253	--	207
		01-07-88	1245	290	93	14	43	4.9	332	--	272
		02-03-88	1300	200	65	9.5	29	9.1	218	--	179
		03-02-88	1315	220	72	10	35	7.0	260	--	213
		04-26-88	1015	210	67	11	39	6.2	242	5	206
		05-31-88	1045	220	68	11	40	6.4	220	12	200
		06-28-88	0945	190	56	11	79	6.9	193	12	178
		07-25-88	1150	150	46	7.9	33	9.9	--	--	--
		07-27-88	0920	160	50	7.9	38	9.5	166	14	160
		08-09-88	1135	180	55	9.8	51	8.2	195	12	180
		08-30-88	1100	190	61	10	56	7.0	220	2	184
		10-18-88	1300	180	57	9.5	38	8.2	207	--	170
		11-09-88	1200	210	64	11	44	6.4	229	--	188
		12-06-88	1300	200	62	10	39	5.8	223	--	183
		01-10-89	1050	230	72	11	58	6.5	244	--	200
		02-07-89	1115	240	77	12	51	6.7	278	--	228
		03-07-89	1100	220	68	11	42	6.0	255	--	209
		04-05-89	0955	200	63	10	41	6.3	240	--	197
		05-01-89	1200	200	62	11	43	6.5	215	12	196
		06-22-89	1240	180	57	9.1	42	6.7	195	11	178
		06-26-89	1130	39	12	2.1	5.5	9.3	27	--	22
		08-15-89	1800	160	50	8.7	32	10	--	--	139
		09-06-89	1130	37	11	2.2	5.2	9.3	--	--	26
		10-23-89	1430	190	60	9.9	42	5.9	--	--	--
		11-28-89	1530	200	64	10	43	7.0	220	--	180
		12-19-89	1150	220	70	11	47	6.4	265	--	217
		01-18-90	1300	180	59	8.9	34	5.8	216	--	177
		02-13-90	1300	190	62	9.6	39	6.0	216	--	177

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map referenc number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard-ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis-solved (mg/L as Ca) (00915)	Magne-sium, dis-solved (mg/L as Mg) (00925)	Sodium, dis-solved (mg/L as Na) (00930)	Potas-sium dis-solved (mg/L as K) (00935)	Bicar-bonate (mg/L as HCO ₃) (00453)	Car-bonate (mg/L as CO ₃) (00452)	Alka-linity, total, field (mg/L as CaCO ₃) (39086)
47	06884025	03-21-90	1230	200	63	10	39	6.7	215	1	178
		04-18-90	1230	200	62	9.8	40	5.5	223	5	191
48	395513096561100	07-26-88	1215	270	82	16	46	7.7	--	--	--
49	06884400	07-25-88	1400	170	54	9.5	28	10	191	--	157
50	06885500	05-13-87	1200	270	75	19	26	2.9	--	--	--
		05-28-87	1045	83	25	4.9	6.9	4.3	--	--	--
		06-23-87	1020	240	73	15	22	3.8	302	--	248
		07-20-87	1330	270	80	18	27	3.7	327	--	268
		08-18-87	1100	170	50	11	18	7.5	--	--	--
		09-15-87	1445	76	23	4.5	7.3	5.0	--	--	--
		09-16-87	1120	44	13	2.7	4.2	4.4	--	--	--
		09-22-87	1030	240	73	15	20	5.3	--	--	--
		10-20-87	1120	--	--	21	30	4.4	366	--	300
		11-23-87	1005	--	--	--	--	3.2	380	--	311
		12-22-87	1030	240	70	15	28	4.6	280	--	230
		01-19-88	1100	310	90	20	31	2.5	328	--	269
		02-16-88	1045	150	43	9.5	14	6.0	156	--	129
		03-14-88	1045	290	83	20	--	3.1	351	--	288
		04-18-88	1115	270	76	20	33	3.0	330	--	271
		05-16-88	1045	280	80	20	34	3.1	336	--	274
		06-09-88	1010	290	81	20	33	3.7	318	28	307
		06-30-88	1130	170	51	11	18	--	222	--	182
		06-30-88	1330	130	38	8.2	13	4.7	144	--	118
		07-05-88	1100	250	72	17	28	4.0	328	--	269
		07-24-88	1320	250	71	17	28	4.0	--	--	--
		08-12-88	1315	280	80	19	34	3.4	336	15	300
		09-01-88	1110	270	78	19	34	3.8	373	--	306

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map referenc number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
50	06885500	10-06-88	1110	270	78	18	33	3.9	353	--	290
		11-03-88	1100	270	80	17	30	5.0	374	--	307
		11-16-88	1340	--	--	--	--	--	--	--	--
		12-15-88	1135	280	82	19	32	2.4	308	33	308
		01-26-89	1120	260	74	17	28	2.3	259	38	276
		02-16-89	1210	310	89	20	33	2.8	395	--	324
		03-16-89	1025	240	69	17	30	2.6	237	48	274

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
47	06884025	12-06-87	--	47	31	--	22	366	365
		01-07-88	--	51	35	--	34	450	450
		02-03-88	--	38	23	0.3	25	320	315
		03-02-88	--	45	31	--	26	352	362
		04-26-88	--	47	35	.3	19	353	352
		05-31-88	--	41	36	--	27	367	350
		06-28-88	--	56	95	--	20	441	432
		07-25-88	151	30	33	.3	21	292	275
		07-27-88	--	35	39	--	15	304	291
		08-09-88	--	41	52	.3	22	360	350
		08-30-88	--	40	60	--	23	368	371
		10-18-88	--	34	36	--	27	321	319
		11-09-88	--	39	37	.3	23	336	343
		12-06-88	192	35	37	.3	22	345	329
		01-10-89	216	48	63	.3	27	410	416
		02-07-89	229	47	49	.3	32	411	424
		03-07-89	204	43	38	.3	28	361	371
		04-05-89	199	38	37	.3	18	334	336
		05-01-89	199	37	41	.3	20	350	343
		06-22-89	182	34	43	.4	23	324	326
		06-26-89	33	8.0	5.1	.3	11	105	89
		08-15-89	164	29	26	.3	16	275	271
		09-06-89	40	9.0	5.1	.3	10	78	80
		10-23-89	187	35	42	.3	25	332	339
		11-28-89	190	36	43	.3	27	337	347
		12-19-89	219	43	46	.3	31	391	396
		01-18-90	180	33	35	.2	25	327	316

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
47	06884025	02-13-90	191	36	39	0.3	24	348	330
		03-21-90	190	36	40	.2	25	349	335
		04-18-90	191	35	38	.3	17	329	327
48	395513096561100	07-26-88	231	97	41	.4	14	450	444
49	06884400	07-25-88	150	53	28	.3	20	313	298
50	06885500	05-13-87	--	49	11	--	13	370	368
		05-28-87	--	10	2.7	--	12	140	142
		06-23-87	--	43	8.0	--	18	340	344
		07-20-87	--	50	9.6	.4	17	377	373
		08-18-87	--	44	10	--	14	301	279
		09-15-87	--	13	3.1	--	8.8	122	126
		09-16-87	--	12	1.6	--	8.0	100	91
		09-22-87	--	40	13	--	19	319	333
		10-20-87	--	57	10	.3	13	391	--
		11-23-87	--	56	15	--	--	417	--
		12-22-87	--	56	13	--	14	346	350
		01-19-88	--	57	11	.3	18	398	402
		02-16-88	--	30	7.5	--	11	215	209
		03-14-88	--	62	11	--	14	410	--
		04-18-88	--	61	11	.4	12	373	382
		05-16-88	--	58	11	--	16	389	391
		06-09-88	--	49	9.7	--	16	390	399
		06-30-88	--	31	8.0	--	14	256	--
		06-30-88	--	29	6.1	--	11	192	188
		07-05-88	--	43	10	.4	18	353	359

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
50	06885500	07-24-88	261	43	11	0.4	17	369	350
		08-12-88	--	37	13	--	16	340	386
		09-01-88	--	42	14	--	18	372	396
		10-06-88	--	37	12	.3	20	372	379
		11-03-88	--	--	--	--	21	--	--
		11-16-88	--	32	11	--	--	360	--
		12-15-88	--	38	9.7	--	15	384	385
		01-26-89	--	44	9.5	.2	7.3	327	349
		02-16-89	--	32	11	--	15	389	402
		03-16-89	--	46	12	--	7.9	330	351

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
50	06885500	04-25-89	0915	270	75	19	32	3.0	361	--	296
		05-15-89	1120	250	71	17	32	3.1	369	--	302
		06-16-89	1330	220	66	14	22	4.2	290	--	238
		06-27-89	1245	76	23	4.5	7.3	4.7	--	--	--
		07-10-89	1030	220	65	13	21	5.6	293	--	240
		08-17-89	1040	200	60	12	24	5.1	273	--	224
		09-18-89	1100	230	70	14	20	5.9	300	--	246
		10-04-89	1150	260	79	15	26	4.8	295	19	274
		11-16-89	1040	280	85	17	28	3.9	325	31	318
		12-14-89	1100	330	96	21	33	3.3	422	--	346
		01-10-90	1025	290	85	18	31	3.2	364	--	298
		02-08-90	1100	260	74	17	29	1.8	297	19	276
		03-22-90	1100	260	77	17	29	5.3	329	--	270
		04-26-90	1700	270	78	19	33	4.2	356	--	292
51	06886500	07-24-88	1445	310	73	30	17	6.6	293	--	240
52	06887000	05-13-87	1545	140	40	9.0	12	6.3	--	--	--
		06-23-87	0830	170	51	11	16	6.8	--	--	--
		07-20-87	1630	170	49	11	16	7.1	181	--	148
		08-18-87	1330	180	52	12	22	4.4	200	--	164
		09-21-87	1330	170	49	11	19	8.5	--	--	--
		10-20-87	1315	220	63	14	20	6.5	237	--	194
		11-23-87	1615	200	58	13	25	7.5	200	--	163
		11-24-87	1330	--	--	--	--	--	258	--	212
		12-21-87	1500	220	64	14	27	7.4	220	8	196
		01-20-88	0825	290	85	19	--	6.9	330	--	272
		02-18-88	1030	260	76	17	31	7.0	237	30	244
		03-14-88	1315	220	60	16	32	6.7	189	22	192
		04-18-88	1150	220	61	17	30	5.9	215	14	200

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
52	06887000	05-17-88	1400	230	63	17	35	6.0	254	--	208
		06-07-88	1400	240	65	18	35	6.3	237	--	194
		07-05-88	1545	230	64	18	37	6.9	276	--	226
		07-24-88	1045	210	56	16	33	7.1	219	--	179
		08-12-88	0845	200	53	16	35	6.9	208	--	170
		09-01-88	1530	290	82	20	27	5.6	306	24	290
		10-07-88	0830	210	57	17	36	7.4	207	12	189
		11-04-88	0800	210	58	16	37	7.5	239	27	241
		12-15-88	1530	220	60	16	37	7.7	171	48	220
		01-26-89	1535	230	64	16	39	7.7	181	38	212
		02-17-89	0810	240	66	17	44	7.1	229	14	212
		03-16-89	1510	230	63	17	43	6.6	183	43	222
		04-24-89	1425	220	59	17	41	7.0	195	24	200
		05-15-89	1540	210	57	16	41	6.7	198	22	198
		06-16-89	0850	220	60	16	41	7.3	210	14	196
		07-10-89	1515	210	58	15	38	6.8	251	--	206
		08-17-89	1445	150	43	9.9	25	8.0	184	--	150
		09-12-89	1055	120	34	7.5	16	7.8	157	--	128
		10-03-89	1415	93	28	5.6	9.5	8.2	129	--	106
		11-16-89	1415	120	36	7.4	14	7.4	122	11	118
55	392844096093500	12-15-89	0845	160	47	9.8	18	7.7	179	--	147
		01-09-90	1235	250	75	15	36	7.4	283	--	232
		02-08-90	1530	180	52	11	21	8.1	176	7	156
		03-22-90	1530	190	56	12	24	7.2	178	18	176
		04-26-90	1200	200	59	13	25	6.9	180	24	187
56	06888030	07-27-88	1120	270	72	22	19	4.5	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
50	06885500	04-25-89	--	29	11	0.4	15	354	364
		05-15-89	--	29	9.2	--	17	382	363
		06-16-89	--	36	8.1	--	22	303	320
		06-27-89	--	16	2.7	--	7.9	--	--
		07-10-89	--	31	9.1	--	15	301	305
		08-17-89	--	29	10	--	8.7	281	285
		09-18-89	--	36	8.2	--	19	312	326
		10-04-89	--	37	10	--	16	283	353
		11-16-89	--	36	10	--	18	385	390
		12-14-89	--	50	11	--	15	375	439
		01-10-90	--	50	11	--	14	380	395
		02-08-90	--	45	11	--	8.0	355	352
51	06886500	03-22-90	--	51	11	--	13	378	369
		04-26-90	--	53	13	--	9.3	393	386
		07-24-88	213	120	10	.3	12	407	413
		05-13-87	--	36	7.5	--	12	198	203
		06-23-87	--	44	10	--	14	249	252
		07-20-87	--	40	11	.3	14	247	249
		08-18-87	--	44	12	--	14	265	269
		09-21-87	--	45	19	--	14	250	264
		10-20-87	--	40	15	.3	18	296	299
		11-23-87	--	53	17	--	14	295	294
		11-24-87	--	--	--	--	--	--	--
		12-21-87	--	60	19	--	12	329	326
52	06887000	01-20-88	--	--	24	.4	15	426	--
		02-18-88	--	72	21	--	12	371	388
		03-14-88	--	70	21	--	6.3	328	331
		04-18-88	--	68	21	.3	8.9	339	335

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
52	06887000	05-17-88	--	72	24	--	6.8	353	353
		06-07-88	--	70	23	--	7.8	362	343
		07-05-88	--	70	25	0.3	3.1	360	365
		07-24-88	184	67	23	.3	2.7	314	316
		08-12-88	--	62	24	--	3.1	314	306
		09-01-88	--	42	20	--	18	347	392
		10-07-88	--	67	24	.3	4.3	333	331
		11-04-88	--	65	26	--	4.7	319	363
		12-15-88	--	65	27	--	6.1	343	356
		01-26-89	--	66	30	.3	5.1	345	357
		02-17-89	--	74	32	--	7.2	366	377
		03-16-89	--	75	31	--	7.3	362	378
		04-24-89	--	69	31	.3	6.5	350	353
		05-15-89	--	68	31	--	7.1	347	349
		06-16-89	--	68	32	--	7.6	354	353
		07-10-89	--	68	31	--	7.5	347	354
		08-17-89	--	41	16	--	10	250	250
		09-12-89	--	28	13	--	10	197	199
		10-03-89	--	18	7.1	--	11	134	156
		11-16-89	--	26	10	--	11	184	189
		12-15-89	--	34	14	--	12	246	236
		01-09-90	--	65	32	--	16	382	393
		02-08-90	--	40	17	--	12	269	261
		03-22-90	--	45	19	--	11	290	285
		04-26-90	--	48	21	--	9.3	314	299
55	392844096093500	07-27-88	231	44	14	.3	3.3	321	310
56	06888030	07-27-88	246	64	11	.3	6.4	358	347

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dis- solved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
57	06888300	07-29-88	0815	210	60	14	20	2.5	--	--	--
58	06888350	07-27-88	0910	210	56	16	62	7.7	--	--	--
59	06888500	05-20-87	1315	320	91	21	11	2.1	--	--	--
		05-27-87	1310	80	25	4.3	3.1	2.9	--	--	--
		06-23-87	1315	300	85	20	11	2.6	290	--	240
		07-20-87	1005	300	80	23	14	2.7	268	--	220
		08-18-87	0940	230	69	14	9.2	3.1	216	--	177
		09-22-87	1300	300	84	21	12	2.7	310	--	254
		10-20-87	1445	380	110	25	16	3.0	362	--	297
		11-23-87	1245	400	120	25	15	2.5	360	--	294
		12-22-87	1330	220	68	13	7.3	2.5	230	--	188
		01-19-88	1345	320	95	20	10	1.9	293	--	240
		02-17-88	1350	280	83	18	9.3	1.7	278	--	228
		03-15-88	1300	330	95	22	12	2.4	317	--	260
		04-18-88	1445	290	85	19	9.6	1.9	293	1	242
		05-16-88	1410	320	93	22	12	2.2	274	--	225
		06-08-88	1000	310	86	22	13	2.6	314	--	258
		07-06-88	1520	320	88	24	15	2.9	247	--	202
		07-27-88	1010	300	80	24	17	3.0	--	--	--
		08-09-88	0955	320	84	27	18	2.7	237	14	218
		08-30-88	1005	330	86	28	18	3.0	279	--	228
		10-04-88	1020	340	90	27	18	3.0	223	31	234
		11-07-88	1445	400	110	30	21	3.3	310	10	270
		11-15-88	1100	400	110	29	19	3.2	--	--	--
		12-20-88	0950	450	130	31	20	2.4	332	34	328
		01-24-89	1345	450	130	30	19	2.7	318	38	325
		01-24-89	1350	--	--	--	--	--	318	38	325

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
59	06888500	02-14-89	1310	460	130	32	21	2.7	405	--	332
		03-14-89	1300	420	120	28	20	2.5	303	24	288
		04-20-89	1220	420	120	29	21	3.2	270	48	302
		05-18-89	1210	370	100	29	22	3.4	347	--	284
		06-13-89	1250	340	91	27	20	3.2	232	19	222
		07-13-89	0935	130	40	7.5	5.4	4.8	117	--	96
		08-14-89	1320	240	69	16	13	4.1	220	12	200
		09-05-89	1315	110	33	5.8	4.2	4.7	110	--	90
		09-14-89	0940	290	91	16	9.9	4.0	327	--	268
		10-06-89	0935	--	--	--	--	3.1	312	--	256
		11-20-89	1335	340	100	22	15	2.6	327	6	278
		12-12-89	1400	410	120	26	17	2.3	376	--	308
		12-12-89	1405	--	--	--	--	--	376	--	308
		01-11-90	0930	340	100	22	16	2.1	317	--	260
		02-06-90	1350	340	98	22	14	2.2	295	12	262
		03-14-90	1005	280	87	16	9.3	2.4	305	--	250
		04-24-90	1400	280	82	19	10	2.0	268	12	240
60	390820095571500	07-29-88	0535	290	82	20	31	4.0	--	--	--
61	06888705	07-29-88	0415	190	48	17	59	7.2	--	--	--
62	06889000	05-12-87	1020	180	53	11	38	7.2	--	--	--
		06-24-87	1330	230	69	14	65	8.3	--	--	--
		07-22-87	1020	280	83	17	86	10	--	--	--
		08-18-87	1230	270	82	16	75	9.3	--	--	--
		09-21-87	1245	230	67	14	60	8.8	--	--	--
		10-20-87	1330	300	88	19	110	9.5	--	--	170
		11-23-87	1200	400	120	25	140	9.4	224	--	184
		12-22-87	1330	280	83	17	64	7.2	224	--	184
		01-19-88	1000	330	98	21	89	7.6	260	19	241
		02-17-88	1010	320	96	20	85	7.0	310	--	254

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
57	06888300	07-29-88	200	41	9.7	0.3	23	287	293
58	06888350	07-27-88	181	86	67	.3	3.7	418	409
59	06888500	05-20-87	--	66	7.0	--	9.1	371	369
		05-27-87	--	5.0	1.9	--	10	180	111
		06-23-87	--	66	8.9	--	11	352	351
		07-20-87	--	86	12	.5	15	367	367
		08-18-87	--	54	7.7	--	13	281	279
		09-22-87	--	80	17	--	8.7	--	379
		10-20-87	--	110	18	.3	11	366	474
		11-23-87	--	120	16	--	9.9	434	488
		12-22-87	--	37	6.9	--	9.1	269	260
		01-19-88	--	77	8.8	.3	8.5	345	368
		02-17-88	--	60	8.1	--	7.7	306	327
		03-15-88	--	87	10	--	4.6	363	390
		04-18-88	--	57	7.5	.3	5.9	--	332
		05-16-88	--	81	9.5	--	9.3	395	365
		06-08-88	--	82	9.9	--	11	359	382
		07-06-88	--	99	14	.2	14	338	380
		07-27-88	211	110	15	.3	15	--	396
		08-09-88	--	110	17	--	16	397	407
		08-30-88	--	130	18	--	16	400	438
		10-04-88	--	120	18	.2	12	439	431
		11-07-88	--	130	22	--	12	495	493
		11-15-88	265	130	19	.2	11	494	482
		12-20-88	--	140	21	--	12	513	556
		01-24-89	--	140	22	.2	12	457	552
		01-24-89	--	--	--	--	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
59	06888500	02-14-89	--	160	24	--	13	511	584
		03-14-89	--	140	23	--	11	447	519
		04-20-89	--	150	24	0.2	9.1	485	539
		05-18-89	--	130	25	--	10	498	492
		06-13-89	--	130	25	--	11	421	442
		07-13-89	--	45	7.3	--	9.4	183	180
		08-14-89	--	45	13	--	16	310	298
		09-05-89	--	17	3.5	--	11	143	136
		09-14-89	--	53	8.5	--	15	--	364
		10-06-89	--	94	13	--	6.6	--	--
60	390820095571500	11-20-89	--	94	15	--	10	409	427
		12-12-89	--	110	17	--	8.8	435	488
		12-12-89	--	--	--	--	--	--	--
		01-11-90	--	110	17	--	6.8	442	432
		02-06-90	--	94	17	--	7.7	415	413
		03-14-90	--	49	7.3	--	11	347	335
61	06888705	04-24-90	--	61	8.9	--	5.0	324	333
		07-29-88	229	83	33	.3	11	--	402
62	06889000	07-29-88	151	83	64	.3	1.5	380	371
		05-12-87	--	75	45	--	11	331	327
		06-24-87	--	110	81	--	11	476	470
		07-22-87	--	130	100	.5	10	546	564
		08-18-87	--	120	100	--	12	541	531
		09-21-87	--	86	84	--	13	431	468

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
62	06889000	10-20-87	--	140	140	0.4	7.5	602	619
		11-23-87	--	180	200	--	12	862	810
		12-22-87	--	100	77	--	11	494	475
		01-19-88	--	140	120	.3	11	634	640
		02-17-88	--	130	110	--	11	614	617

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
62	06889000	03-15-88	1105	330	94	23	99	8.4	234	8	205
		04-18-88	1340	320	86	25	120	6.4	--	--	--
		05-17-88	0945	280	72	25	130	6.8	212	--	174
		06-07-88	1200	250	60	23	120	7.2	205	--	168
		07-07-88	0930	260	64	24	190	8.4	135	35	168
		07-29-88	0530	180	44	16	61	7.9	--	--	--
		07-29-88	0535	170	41	16	60	7.9	--	--	--
		08-09-88	1335	190	48	18	73	7.4	163	8	147
		08-30-88	1340	300	79	25	160	10	139	21	148
		10-04-88	1450	280	73	23	140	9.4	165	46	212
		11-07-88	1030	260	71	19	81	8.1	200	36	225
		11-15-88	0755	300	82	22	110	8.1	--	--	--
		12-20-88	1315	310	84	23	120	8.4	229	25	230
		01-24-89	0940	320	88	23	120	8.3	237	24	234
		02-14-89	0925	280	78	21	100	7.5	227	19	218
		03-14-89	0905	260	66	23	120	7.3	151	43	196
		04-20-89	0840	260	66	23	120	8.1	190	24	196
		05-18-89	0905	210	52	20	110	7.4	149	22	158
		06-13-89	0900	200	50	17	93	8.0	134	24	150
		07-13-89	1225	110	35	6.3	14	5.9	126	--	103
		08-14-89	0940	170	50	10	41	8.9	124	34	158
		09-14-89	1300	140	39	9.1	26	8.9	166	--	136
		10-06-89	1300	150	46	9.2	35	9.3	123	24	141
		11-20-89	0905	200	59	12	53	7.9	204	--	167
		12-12-89	0925	270	78	18	83	8.9	220	19	212
		01-08-90	0920	--	--	--	--	8.2	236	14	217
		02-06-90	0930	250	73	16	69	9.0	217	13	200
		03-19-90	1015	230	69	15	43	6.7	207	11	188
		04-30-90	1200	280	76	21	76	6.1	218	18	209

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
63	06889160	07-29-88	0910	420	120	29	27	3.3	--	--	--
64	06889500	07-28-88	1230	220	65	14	23	2.7	--	--	--
		07-28-88	1235	230	67	15	24	2.7	--	--	--
71	394757095434300	07-27-88	0610	800	260	36	55	4.9	--	--	--
72	06890100	07-29-87	1045	240	66	19	23	3.4	--	--	--
		08-19-87	0925	230	64	17	24	3.4	--	--	--
		09-23-87	1010	240	73	15	18	4.3	--	--	--
		10-21-87	0945	310	92	20	24	4.9	252	--	207
		11-24-87	0930	290	85	20	23	3.4	--	--	--
		12-23-87	0930	200	59	13	18	4.3	210	--	175
		01-20-88	1045	210	62	14	19	2.9	230	--	187
		02-17-88	0930	160	46	10	15	4.1	188	--	154
		03-16-88	1000	270	76	20	25	2.6	235	--	193
		04-20-88	1030	260	73	19	25	2.8	288	--	236
		05-18-88	0950	290	80	22	28	3.7	344	--	282
		06-08-88	0945	280	78	21	27	3.9	285	--	234
		07-13-88	0915	290	81	20	30	--	192	24	197
		07-27-88	0745	270	72	22	37	4.2	--	--	--
		08-10-88	1000	200	55	16	31	--	199	1	166
		08-31-88	1025	270	72	21	39	4.3	201	26	208
		10-05-88	1000	280	81	19	33	4.7	206	36	228
		11-09-88	1010	350	99	25	45	5.5	332	--	272
		11-09-88	1020	330	95	23	43	5.6	332	--	272
		11-17-88	1020	370	110	24	38	6.9	--	--	--
		12-21-88	1010	460	130	30	48	4.6	313	24	296
		01-25-89	1215	330	95	22	40	3.6	220	34	236
		02-15-89	1030	450	130	29	54	4.9	376	--	308
		02-15-89	1035	--	--	--	--	--	--	--	--
		03-15-89	1130	250	70	17	30	3.2	171	31	192

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved. (mg/L) (70301)
62	06889000	03-15-88	--	160	130	--	7.6	615	650
		04-18-88	--	160	160	0.3	5.4	710	--
		05-17-88	--	160	170	--	4.0	692	674
		06-07-88	--	140	160	--	4.1	632	616
		07-07-88	--	160	310	.4	3.6	827	863
		07-29-88	140	82	71	.4	1.7	378	368
		07-29-88	143	82	72	.4	1.6	372	368
		08-09-88	--	84	85	--	2.1	415	406
		08-30-88	--	180	240	--	5.3	804	790
		10-04-88	--	150	180	.3	3.8	688	708
		11-07-88	--	96	98	--	5.4	504	517
		11-15-88	215	120	140	.4	6.5	619	621
		12-20-88	--	140	160	--	4.8	702	680
		01-24-89	--	140	160	.3	5.6	686	688
		02-14-89	--	130	130	--	6.3	596	607
		03-14-89	--	150	150	--	9.2	634	644
		04-20-89	--	130	150	.3	2.1	614	618
		05-18-89	--	120	140	--	1.5	563	547
		06-13-89	--	110	110	--	3.5	443	482
		07-13-89	--	31	12	--	8.2	189	179
		08-14-89	--	60	40	--	10	321	323
		09-14-89	--	48	20	--	8.9	199	247
		10-06-89	--	66	48	--	9.1	318	312
		11-20-89	--	64	60	--	11	365	372
		12-12-89	--	110	100	--	12	556	542
		01-08-90	--	110	81	--	--	526	--
		02-06-90	--	95	86	--	10	496	482

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved. (mg/L) (70301)
62	06889000	03-19-90 04-30-90	-- --	74 110	50 95	-- --	9.5 5.1	403 530	384 516
63	06889160	07-29-88	235	210	18	0.3	13	562	562
64	06889500	07-28-88 07-28-88	205 206	52 53	12 12	.3 .3	13 14	-- --	305 312
71	394757095434300	07-27-88	248	670	34	.3	11	1,250	1,220
72	06890100	07-29-87 08-19-87 09-23-87 10-21-87 11-24-87	-- -- -- -- --	77 81 51 97 59	15 18 8.0 15 14	.3 .3 .4 .3 .3	8.8 9.0 12 6.6 9.2	336 327 319 448 409	-- 317 333 387 --
		12-23-87 01-20-88 02-17-88 03-16-88 04-20-88	-- -- -- -- --	41 46 32 81 67	7.3 11 8.9 15 13	.2 .3 .2 .3 .3	10 9.3 7.7 4.5 6.9	278 291 233 371 357	266 288 227 341 351
		05-18-88 06-08-88 07-13-88 07-27-88 08-10-88	-- -- -- 203 --	82 86 140 120 89	17 17 18 22 22	.3 .3 .3 .4 .3	9.1 11 9.7 7.6 6.1	-- 382 422 386 340	413 385 -- 407 --
		08-31-88 10-05-88 11-09-88 11-09-88 11-17-88	-- -- -- -- 238	130 130 140 140 180	28 20 27 28 26	.4 .3 -- .3 .3	7.3 5.9 7.8 7.3 8.4	431 436 524 -- 557	428 438 515 493 538

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved. (mg/L) (70301)
72	06890100	12-21-88	--	180	32	0.3	3.7	625	616
		01-25-89	--	160	25	.2	2.6	480	493
		02-15-89	--	220	31	--	2.8	645	660
		02-15-89	--	--	--	.3	--	--	--
		03-15-89	--	110	17	--	1.5	358	365

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
72	06890100	03-15-89	1135	--	--	--	--	--	--	--	--
		04-19-89	0920	310	88	22	42	4.4	283	26	276
		05-17-89	1315	350	99	25	59	5.1	288	7	248
		05-17-89	1320	--	--	--	--	--	--	--	--
		05-22-89	1450	260	75	18	40	3.2	--	--	--
		06-14-89	0915	240	69	15	32	6.0	232	--	190
		06-14-89	0920	--	--	--	--	--	--	--	--
		07-12-89	0945	200	57	13	22	6.0	237	--	194
		07-12-89	0950	--	--	--	--	--	--	--	--
		08-16-89	0935	230	65	16	31	4.4	305	--	250
		08-16-89	0940	--	--	--	--	--	--	--	--
		09-06-89	1115	57	17	3.4	4.8	5.9	66	--	80
		09-06-89	1120	--	--	--	--	--	--	--	--
		09-10-89	1155	97	29	5.8	9.1	6.6	125	--	102
		10-11-89	0925	290	85	18	26	6.0	327	--	268
		10-11-89	0930	--	--	--	--	--	--	--	--
		11-15-89	0920	300	90	18	26	5.4	288	17	264
		11-15-89	0925	--	--	--	--	--	--	--	--
		12-13-89	1000	440	130	27	44	5.1	405	--	332
		12-13-89	1005	--	--	--	--	--	--	--	--
73	392823095362800	01-24-90	0850	270	82	16	27	3.4	256	10	226
		01-24-90	0855	--	--	--	--	--	--	--	--
		02-07-90	1220	270	77	18	28	3.5	237	19	226
		02-07-90	1225	--	--	--	--	--	--	--	--
		03-21-90	1030	--	--	--	--	--	282	--	231
		03-21-90	1035	260	76	17	22	4.6	282	--	231
		04-18-90	1055	300	86	21	28	2.6	252	29	255
		04-18-90	1100	--	--	--	--	--	252	29	255
		07-27-88	0810	270	75	21	43	4.6	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
74	06890900	07-29-87	0915	150	46	9.4	9.2	3.7	--	--	--
		08-19-87	0830	170	51	11	--	4.4	--	--	--
		10-21-87	0840	160	46	9.8	9.8	3.6	178	--	146
		11-24-87	0915	150	45	9.8	10	3.7	160	15	154
		12-23-87	0830	160	48	10	11	4.0	180	--	154
		01-20-88	0915	--	--	13	14	3.4	--	--	--
		02-17-88	1245	170	50	11	11	3.6	110	48	170
		03-16-88	0915	170	50	11	11	3.5	196	--	161
		04-20-88	0915	180	52	11	12	3.4	--	--	--
		05-18-88	1230	180	52	11	12	3.4	198	--	162
		06-08-88	1215	180	52	11	12	3.2	197	--	162
		07-13-88	1245	180	52	11	13	--	228	--	187
		07-29-88	1020	170	49	11	13	3.1	--	--	--
		08-10-88	1300	170	48	11	13	--	249	--	204
		08-31-88	1320	160	46	12	14	3.7	204	--	167
		10-05-88	1300	170	47	11	14	3.7	167	17	166
		11-09-88	1300	170	49	12	16	3.6	171	14	164
		11-09-88	1310	--	--	--	--	--	--	--	--
		12-21-88	1315	170	49	12	15	3.7	151	36	184
		01-25-89	0840	170	50	12	15	3.7	110	43	162
		01-25-89	0845	--	--	--	--	--	--	--	--
		02-15-89	1330	180	52	13	17	3.5	232	--	190
		02-15-89	1335	--	--	--	--	--	--	--	--
		03-15-89	0845	--	--	--	--	--	--	--	--
		03-15-89	0850	180	52	12	16	3.3	168	31	190
		04-19-89	1230	180	51	12	16	3.2	168	26	182
		04-19-89	1235	--	--	--	--	--	--	--	--
		05-17-89	1040	170	50	12	17	3.4	229	--	188
		05-17-89	1045	--	--	--	--	--	--	--	--
		06-14-89	1215	180	52	12	16	3.3	225	--	184

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
72	06890100	03-15-89	--	--	--	0.4	--	--	--
		04-19-89	--	110	25	.3	3.4	454	462
		05-17-89	--	180	37	--	3.4	606	560
		05-17-89	--	--	--	.4	--	--	--
		05-22-89	188	120	23	--	5.7	425	400
		06-14-89	--	98	22	--	9.4	370	368
		06-14-89	--	--	--	.4	--	--	--
		07-12-89	--	52	11	--	8.8	291	288
		07-12-89	--	--	--	.4	--	--	--
		08-16-89	--	44	13	--	7.0	322	332
		08-16-89	--	--	--	.3	--	--	--
		09-06-89	--	12	2.6	--	9.6	96	91
		09-06-89	--	--	--	.2	--	--	--
		09-10-89	--	17	5.1	--	12	155	150
		10-11-89	--	69	14	--	9.6	360	390
		10-11-89	--	--	--	.3	--	--	--
		11-15-89	--	82	16	--	11	404	409
		11-15-89	--	--	--	.3	--	--	--
		12-13-89	--	160	29	--	7.8	596	605
		12-13-89	--	--	--	.3	--	--	--
73	392823095362800	01-24-90	--	88	18	--	6.1	395	379
		01-24-90	--	--	--	.2	--	--	--
		02-07-90	--	87	20	--	2.5	382	373
		02-07-90	--	--	--	.2	--	--	--
		03-21-90	--	55	11	--	--	379	--
		03-21-90	--	57	12	.3	9.4	379	345
		04-18-90	--	75	15	.3	4.7	393	387
		04-18-90	--	78	16	--	--	393	--
		07-27-88	265	48	41	.4	15	369	408

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
74	06890900	07-29-87	--	35	4.9	0.3	6.4	191	--
		08-19-87	--	23	5.1	.2	8.1	199	--
		10-21-87	--	30	5.3	.3	1.2	193	197
		11-24-87	--	25	5.9	.3	2.0	210	198
		12-23-87	--	26	5.6	.3	.4	243	197
		01-20-88	--	35	8.2	.2	3.2	262	--
		02-17-88	--	26	6.8	.2	<.1	209	213
		03-16-88	--	26	7.6	.3	.2	214	208
		04-20-88	--	31	7.5	.3	<.1	243	--
		05-18-88	--	32	8.0	.3	1.1	210	218
		06-08-88	--	28	7.4	.2	3.0	232	217
		07-13-88	--	28	7.4	.3	6.0	225	--
		07-29-88	164	26	8.3	.3	6.9	229	217
		08-10-88	--	26	7.4	.3	6.0	230	--
		08-31-88	--	30	9.5	.4	.1	221	216
		10-05-88	--	32	8.3	.3	<.1	219	217
		11-09-88	--	31	9.0	--	.2	228	220
		11-09-88	--	--	--	.3	--	--	--
		12-21-88	--	30	9.4	.4	.1	221	233
		01-25-89	--	29	9.5	.3	.6	211	218
		01-25-89	--	32	--	.3	.7	--	--
		02-15-89	--	37	9.5	--	1.9	224	229
		02-15-89	--	--	--	.3	--	--	--
		03-15-89	--	--	--	.4	--	--	--
		03-15-89	--	40	9.7	--	1.2	227	249
		04-19-89	--	33	9.2	.3	.1	223	234
		04-19-89	--	--	--	.3	--	--	--
		05-17-89	--	34	8.2	--	2.0	--	204
		05-17-89	--	--	--	.3	--	--	--
		06-14-89	--	32	9.7	--	5.1	233	243

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
74	06890900	06-14-89	1220	--	--	--	--	--	--	--	--
		07-12-89	1250	160	47	11	17	3.2	222	--	182
		07-12-89	1255	--	--	--	--	--	--	--	--
		08-16-89	1155	160	43	12	17	3.6	195	--	160
		08-16-89	1200	--	--	--	--	--	--	--	--
		09-13-89	1120	130	37	10	14	3.7	188	--	154
		09-13-89	1125	--	--	--	--	--	--	--	--
		10-11-89	1300	130	36	8.8	13	4.3	158	--	130
		10-11-89	1305	--	--	--	--	--	--	--	--
		11-15-89	1250	130	37	8.6	13	3.8	122	14	124
		11-15-89	1255	--	--	--	--	--	--	--	--
		12-13-89	1300	130	37	8.9	13	4.2	127	12	124
76	06891000	12-13-89	1305	--	--	--	--	--	--	--	--
		01-24-90	1220	140	40	9.1	12	4.3	166	--	136
		01-24-90	1225	--	--	--	--	--	--	--	--
		02-07-90	0940	140	40	9.3	12	4.4	181	--	148
		02-07-90	0945	--	--	--	--	--	--	--	--
77	06891080	03-21-90	1315	140	39	9.3	12	4.0	150	7	135
		04-25-90	1405	160	48	11	13	4.4	125	24	143
		07-28-88	0615	180	46	17	62	7.9	--	--	--
78	06891100	08-26-88	1440	--	--	--	--	--	157	39	194
		07-28-88	0605	160	38	16	62	7.2	--	--	--
79	385329095353400	07-28-88	0515	180	46	17	62	7.5	--	--	--
		07-29-88	0645	180	55	11	11	3.6	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)	Alka- linity, total, field (mg/L as CaCO ₃) (39086)
83	06891500	07-29-87	1220	150	45	9.3	9.6	3.2	--	--	--
		08-19-87	1100	150	45	8.7	9.9	3.4	--	--	--
		09-23-87	1315	150	43	9.5	9.6	3.0	--	--	--
		10-21-87	1130	190	59	11	12	4.2	232	--	190
		11-24-87	0915	170	51	10	12	3.5	190	--	155
		12-23-87	1115	170	55	8.7	11	4.0	153	--	126
		01-20-88	1215	190	59	9.3	15	2.7	--	--	--
		02-17-88	1230	190	59	10	16	2.7	179	--	147
		03-16-88	0905	180	55	10	12	2.9	195	--	160
		04-20-88	1245	160	50	9.5	9.6	2.9	--	--	--
		05-18-88	0905	170	51	9.9	10	3.1	181	--	148
		06-08-88	1300	160	47	9.9	10	3.1	173	--	142
		07-13-88	1445	130	38	7.5	7.8	--	--	--	--
		07-29-88	0530	140	42	8.6	9.6	3.1	--	--	--
		08-10-88	1500	130	40	8.2	9.2	--	149	1	124
		08-31-88	1500	130	40	8.3	8.9	3.6	136	7	122
		10-05-88	1500	140	42	8.5	9.2	3.4	125	20	136
		11-09-88	1545	160	47	10	11	3.7	181	--	148
		11-09-88	1555	--	--	--	--	--	--	--	--
		12-21-88	1515	180	53	10	12	3.5	163	7	146
		01-25-89	1600	110	34	5.4	20	2.3	--	--	--
		01-25-89	1605	--	--	--	--	--	--	--	--
		02-15-89	1530	170	52	9.7	19	3.3	199	--	163
		02-15-89	1535	--	--	--	--	--	--	--	--
		03-15-89	1430	170	52	10	14	3.1	149	26	166
		03-15-89	1435	--	--	--	--	--	--	--	--
		04-19-89	1445	170	50	9.7	11	3.2	183	--	150
		04-19-89	1450	--	--	--	--	--	--	--	--
		05-17-89	0750	160	47	9.3	11	3.5	168	--	138
		05-17-89	0755	--	--	--	--	--	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
83	06891500	06-14-89	1415	150	45	9.0	11	3.3	171	--	140
		06-14-89	1420	--	--	--	--	--	--	--	--
		07-12-89	1510	130	37	8.6	11	3.4	142	--	116
		07-12-89	1515	--	--	--	--	--	--	--	--
		08-16-89	1325	140	40	9.3	11	3.4	115	26	138

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
74	06890900	06-14-89	--	--	--	0.4	--	--	--
		07-12-89	--	30	10	--	6.6	233	236
		07-12-89	--	--	--	.4	--	--	--
		08-16-89	--	30	9.1	--	1.7	202	214
		08-16-89	--	--	--	.4	--	--	--
		09-13-89	--	27	9.3	--	3.5	184	199
		09-13-89	--	--	--	.4	--	--	--
		10-11-89	--	23	7.8	--	5.7	157	179
		10-11-89	--	--	--	.3	--	--	--
		11-15-89	--	23	7.6	--	5.4	176	175
		11-15-89	--	--	--	.3	--	--	--
76	06891000	12-13-89	--	24	7.4	--	5.3	184	178
		12-13-89	--	--	--	.3	--	--	--
		01-24-90	--	25	7.8	--	5.2	--	187
		01-24-90	--	--	--	.3	--	--	--
		02-07-90	--	26	7.5	--	5.1	198	195
		02-07-90	--	--	--	.3	--	--	--
		03-21-90	--	26	7.9	.3	1.7	199	182
		04-25-90	--	30	7.9	.2	1.5	210	202
		07-28-88	155	90	63	.4	1.8	384	381
		08-26-88	--	--	--	--	--	--	--
		07-28-88	129	97	63	.4	.9	365	362
77	06891080	07-28-88	129	97	63	.4	.9	365	362
78	06891100	07-28-88	145	96	62	.3	1.7	403	380
79	385329095353400	07-29-88	162	36	6.9	.2	10	--	232

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
83	06891500	07-29-87	--	37	5.8	0.2	1.4	196	--
		08-19-87	--	37	7.5	.2	2.4	192	--
		09-23-87	--	35	4.3	.3	.6	185	189
		10-21-87	--	34	8.8	.2	4.5	245	249
		11-24-87	--	29	8.3	.3	2.9	227	211
		12-23-87	--	35	9.9	.2	5.2	226	211
		01-20-88	--	37	15	.2	3.9	243	--
		02-17-88	--	37	18	.2	.9	263	234
		03-16-88	--	39	9.1	.2	.1	232	225
		04-20-88	--	37	4.3	.2	<.1	216	--
		05-18-88	--	37	6.7	.3	.8	--	211
		06-08-88	--	38	5.9	.2	.4	212	201
		07-13-88	--	32	4.2	.2	3.1	165	--
		07-29-88	124	31	6.0	.3	3.0	181	178
		08-10-88	--	33	5.2	.3	1.7	183	--
		08-31-88	--	29	5.2	.3	<.1	177	169
		10-05-88	--	31	4.7	.3	.6	184	182
		11-09-88	--	34	6.5	--	.9	196	203
		11-09-88	--	--	--	.3	--	--	--
		12-21-88	--	31	9.0	.3	1.4	201	209
		01-25-89	--	31	23	.3	3.3	177	--
		01-25-89	--	--	--	.3	--	--	--
		02-15-89	--	33	17	--	1.5	219	235
		02-15-89	--	--	--	.3	--	--	--
		03-15-89	--	36	9.8	--	.8	216	226
		03-15-89	--	--	--	.3	--	--	--
		04-19-89	--	33	6.4	.2	.4	206	204
		04-19-89	--	--	--	.3	--	--	--

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
83	06891500	05-17-89	--	31	5.0	--	0.7	200	191
		05-17-89	--	--	--	0.3	--	--	--
		06-14-89	--	32	6.0	--	1.2	192	193
		06-14-89	--	--	--	.3	--	--	--
		07-12-89	--	31	6.5	--	2.6	172	170
		07-12-89	--	--	--	.3	--	--	--
		08-16-89	--	29	5.4	--	.7	--	182

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
83	06891500	08-16-89	1330	--	--	--	--	--	--	--	--
		09-13-89	0850	160	48	8.5	11	3.8	171	--	140
		09-13-89	0855	--	--	--	--	--	--	--	--
		10-11-89	1520	170	50	9.9	14	4.4	208	--	171
		10-11-89	1525	--	--	--	--	--	--	--	--
		11-15-89	1500	210	67	11	14	4.0	244	--	200
		11-15-89	1505	--	--	--	--	--	--	--	--
		12-13-89	1450	200	60	11	15	4.1	237	--	194
		12-13-89	1455	--	--	--	--	--	--	--	--
		01-24-90	1415	200	64	9.0	13	2.9	227	--	186
86	06891850	01-24-90	1420	--	--	--	--	--	--	--	--
		02-07-90	0730	200	65	10	26	3.8	215	--	176
		02-07-90	0735	--	--	--	--	--	--	--	--
		03-21-90	1535	150	44	8.8	9.0	3.5	149	11	140
		04-25-90	1205	220	70	11	14	4.2	234	--	191
		07-28-88	0615	230	62	18	20	5.0	--	--	--
87	06892000	07-28-88	0620	230	62	18	21	5.0	--	--	--
		07-28-88	1200	230	64	18	21	5.1	--	--	--
		07-28-88	0445	210	62	14	19	3.7	--	--	--
88	06892350	05-11-87	0955	270	80	16	68	7.6	--	--	--
		06-24-87	0940	230	67	14	65	7.6	--	--	--
		07-22-87	1340	270	81	16	76	9.5	234	--	192
		08-19-87	0945	280	86	16	81	9.2	--	--	--
		09-21-87	0930	220	66	14	61	8.7	--	--	--
		10-20-87	1000	280	82	17	90	8.8	--	--	203
		11-23-87	0900	370	110	23	130	8.9	284	--	233
		12-22-87	0915	210	61	13	35	5.7	184	--	151
		01-19-88	1515	370	110	23	110	8.0	290	--	232
		02-17-88	0920	310	91	20	73	6.8	312	--	256

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hardness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)	Potassium, dissolved (mg/L as K) (00935)	Bicarbonate (mg/L as HCO ₃) (00453)	Carbonate (mg/L as CO ₃) (00452)	Alkalinity, total, field (mg/L as CaCO ₃) (39086)
88	06892350	03-15-88	1245	320	91	22	110	7.6	253	--	208
		04-18-88	0945	270	76	20	84	5.5	--	--	--
		05-16-88	0945	280	73	24	130	6.7	211	--	173
		06-06-88	1200	220	55	21	110	6.8	137	18	142
		07-01-88	1030	140	39	10	46	5.7	142	--	116
		07-07-88	1330	180	50	14	75	6.1	128	30	154
		07-28-88	0610	170	43	16	67	7.7	--	--	--
		08-08-88	0945	180	43	18	84	7.9	147	2	124
		08-29-88	1045	270	75	21	130	8.6	148	44	194
		10-03-88	1020	250	68	20	120	8.5	165	31	187
		11-08-88	1020	260	71	19	88	8.2	198	34	218
		12-19-88	0950	290	82	21	120	7.8	227	25	228
		01-23-89	1140	310	86	22	120	8.3	210	38	236
		02-21-89	1010	290	80	21	110	7.3	227	24	226
		03-13-89	0925	300	83	22	110	7.6	212	35	232
		04-18-89	1255	250	65	21	120	7.9	171	38	204
		04-18-89	1300	--	--	--	--	--	283	26	276
		05-19-89	0920	210	54	19	120	7.3	122	48	180
		06-12-89	0930	200	50	18	98	7.9	115	34	150
		07-14-89	0855	160	48	9.2	27	8.1	181	--	148
		08-15-89	0915	200	60	13	68	9.4	168	5	146
		09-07-89	1325	93	29	4.9	9.0	5.3	129	--	106
		09-15-89	0915	140	39	9.1	26	8.5	159	--	130

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
83	06891500	08-16-89	--	--	--	0.3	--	--	--
		09-13-89	--	33	7.3	--	4.5	216	203
		09-13-89	--	--	--	.3	--	--	--
		10-11-89	--	33	11	--	2.6	199	228
		10-11-89	--	--	--	.4	--	--	--
		11-15-89	--	36	11	--	6.0	270	270
		11-15-89	--	--	--	.3	--	--	--
		12-13-89	--	38	11	--	2.2	258	258
		12-13-89	--	--	--	.3	--	--	--
		01-24-90	--	35	12	--	4.1	275	253
86	06891850	01-24-90	--	--	--	.2	--	--	--
		02-07-90	--	39	40	--	2.0	314	293
		02-07-90	--	--	--	.2	--	--	--
		03-21-90	--	31	6.8	.3	<.1	202	188
		04-25-90	--	39	10	.3	1.6	256	266
		07-28-88	245	15	11	.4	6.2	313	284
87	06892000	07-28-88	245	17	12	.3	6.2	300	288
		07-28-88	239	18	11	.4	6.6	291	287
		07-28-88	217	20	11	.4	10	281	271
88	06892350	05-11-87	--	120	94	--	11	529	506
		06-24-87	--	100	84	--	11	452	453
		07-22-87	--	140	100	.3	11	545	555
		08-19-87	--	120	110	--	13	554	563
		09-21-87	--	86	83	--	13	428	443
		10-20-87	--	130	110	.4	6.7	558	569
		11-23-87	--	180	170	--	12	809	778

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
88	06892350	12-22-87	--	67	36	--	8.4	337	324
		01-19-88	--	180	140	0.4	11	735	731
		02-17-88	--	120	77	--	10	525	557
		03-15-88	--	160	130	--	6.3	569	654
		04-18-88	--	130	110	.3	2.9	553	--
		05-16-88	--	180	160	--	.4	693	679
		06-06-88	--	140	130	--	.3	553	549
		07-01-88	--	61	53	--	5.0	389	293
		07-07-88	--	92	90	.3	2.4	418	424
		07-28-88	140	100	59	.3	1.9	387	379
		08-08-88	--	100	92	--	.7	439	421
		08-29-88	--	160	180	--	5.0	693	699
		10-03-88	--	150	140	.3	1.6	624	622
		11-08-88	--	120	98	--	4.8	543	546
		12-19-88	--	150	140	--	2.8	658	664
		01-23-89	--	160	140	.3	3.3	687	686
		02-21-89	--	160	120	--	5.7	627	645
		03-13-89	--	160	120	--	6.0	658	652
		04-18-89	--	160	140	.3	.1	625	638
		05-19-89	--	140	130	--	.3	586	580
		06-12-89	--	140	100	--	1.4	511	507
		07-14-89	--	56	25	--	11	275	280

Table 5. *Concentrations of major ions and dissolved solids in water--Continued*

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
88	06892350	08-15-89	--	100	74	--	10	451	430
		09-07-89	--	20	7.4	--	8.4	141	151
		09-15-89	--	48	20	--	8.7	--	243

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Hard- ness, total (mg/L as CaCO ₃) (00900)	Calcium, dissolved (mg/L as Ca) (00915)	Magne- sium, dis- solved (mg/L as Mg) (00925)	Sodium, dis- solved (mg/L as Na) (00930)	Potas- sium, dis- solved (mg/L as K) (00935)	Bicar- bonate (mg/L as HCO ₃) (00453)	Car- bonate (mg/L as CO ₃) (00452)
88	06892350	10-05-89	0935	180	55	11	48	9.2	137	19
		11-14-89	1035	250	74	15	67	7.8	215	16
		12-11-89	0930	200	60	13	52	6.5	185	11
		01-12-90	0920	270	80	17	67	7.3	222	14
		02-05-90	0930	250	74	16	70	7.7	229	5
		03-15-90	1220	150	46	8.3	19	5.3	159	--
		04-23-90	1500	270	76	19	62	5.3	256	1
90	06892940	07-29-88	0510	170	43	14	130	11	--	--
		07-29-88	0515	150	38	13	130	14	--	--
91	06892950	07-29-88	0615	180	45	16	67	8.1	--	--
		08-26-88	0950	--	--	--	--	--	174	21

Table 5. Concentrations of major ions and dissolved solids in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Alkalinity, total, field (mg/L as CaCO ₃) (39086)	Alkalinity, laboratory (mg/L as CaCO ₃) (90410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO ₂) (00955)	Solids, residue at 180 degrees Celsius, dissolved (mg/L) (70300)	Solids, sum of constituents, dissolved (mg/L) (70301)
88	06892350	10-05-89	144	--	84	49	--	10	350	358
		11-14-89	202	--	--	76	--	12	479	--
		12-11-89	170	--	76	59	--	8.4	387	381
		01-12-90	206	--	120	75	--	11	509	506
		02-05-90	196	--	100	78	--	9.6	495	479
90	06892940	03-15-90	130	--	40	17	--	8.9	247	228
		04-23-90	212	--	100	70	--	2.6	496	463
		07-29-88	--	98	140	140	0.9	10	597	607
		07-29-88	--	98	140	140	1.0	10	592	607
91	06892950	07-29-88	--	143	100	65	.3	2.4	--	394
		08-26-88	178	--	--	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water

[Number in parentheses is U.S. Environmental Protection Agency identification code. mg/L, milligrams per liter; t/day, tons per day; mm, millimeter; --, not determined]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
1	06879100	05-14-87	1120	507	23,100	--	--	--
		06-03-87	1145	824	21,500	--	28	--
		06-22-87	1445	828	16,800	22	25	33
		07-21-87	0930	349	5,600	41	46	61
		08-18-87	1045	604	4,630	--	57	--
		09-21-87	1000	134	630	--	--	--
		09-29-87	1000	71	487	--	--	--
		10-20-87	1100	596	2,160	--	--	--
		11-23-87	1045	57	157	--	--	--
		12-21-87	1100	35	105	--	--	--
		01-22-88	1005	85	363	--	--	--
		02-16-88	1030	128	484	--	--	--
		03-14-88	1030	80	231	--	--	--
		04-20-88	1120	43	81	--	--	--
		05-17-88	1230	104	155	--	--	--
		06-09-88	1200	95	119	--	--	--
		07-06-88	0855	267	391	--	83	--
		07-27-88	1300	121	115	--	--	--
		08-11-88	0940	126	172	--	--	--
		09-02-88	0920	51	91	--	--	--
		10-07-88	1230	21	35	--	--	--
		11-04-88	1315	413	341	--	--	--
		11-15-88	1205	119	93	--	--	--
		12-16-88	0910	13	11	--	--	--
		01-27-89	1015	16	15	--	--	--
		02-17-89	1210	9	8.0	--	--	--
		03-08-89	1000	18	19	--	--	--
		03-17-89	1000	32	30	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
1	06879100	04-24-89	1035	49	42	--	--	--
		05-16-89	0815	82	76	--	--	--
		05-25-89	1100	2,050	9,690	65	82	95
		06-01-89	1010	213	288	--	--	--
		06-15-89	1005	2,500	19,600	--	57	89
		07-11-89	0830	999	1,870	--	--	--
		08-18-89	0835	162	164	--	--	--
		09-11-89	1045	2,350	58,800	64	80	89
		10-02-89	1030	163	300	--	--	--
		11-17-89	0900	51	57	--	--	--
2	390255096435000	12-19-89	1115	36	315	--	--	--
		01-10-90	1420	310	440	--	--	--
		02-09-90	0910	18	27	--	--	--
		03-23-90	1040	95	133	--	--	--
		04-27-90	1200	78	107	--	--	--
		09-29-87	1200	56	2.1	--	--	--
		07-27-88	1150	137	.24	--	--	--
		11-15-88	1050	9	.05	--	--	--
		03-08-89	1140	21	.21	--	--	--
		06-01-89	0830	34	.12	--	--	--
3	06879650	05-27-87	0950	756	253	--	46	--
		06-22-87	1040	2	0	--	--	--
		07-21-87	1145	2	0	--	--	--
		01-19-88	1110	1	0	--	--	--
		02-16-88	1400	2	0	--	--	--
		03-14-88	1500	6	0	--	--	--
		04-18-88	1535	1	.01	--	--	--
		05-17-88	1015	4	.01	--	--	--
		06-09-88	1300	2	0	--	--	--
		09-08-89	2150	644	103	--	53	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
3	06879650	09-08-89	2205	3,850	2,900	27	36	62
		09-08-89	2250	1,020	545	--	42	--
		09-09-89	0020	170	50	--	--	--
		09-09-89	0235	44	6.1	--	--	--
		09-09-89	0500	45	5.3	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
1	06879100	05-14-87	72	80	100	--	--	66
		06-03-87	84	86	94	97	--	76
		06-22-87	59	60	70	95	--	55
		07-21-87	98	99	100	--	--	93
		08-18-87	95	95	98	100	--	95
		09-21-87	--	--	--	--	--	96
		09-29-87	--	--	--	--	--	--
		10-20-87	10	10	10	20	71	10
		11-23-87	--	--	--	--	--	72
		12-21-87	--	--	--	--	--	93
		01-22-88	--	--	--	--	--	66
		02-16-88	--	--	--	--	--	85
		03-14-88	--	--	--	--	--	95
		04-20-88	--	--	--	--	--	96
		05-17-88	--	--	--	--	--	100
		06-09-88	--	--	--	--	--	95
		07-06-88	--	--	--	--	--	98
		07-27-88	--	--	--	--	--	--
		08-11-88	--	--	--	--	--	90
		09-02-88	--	--	--	--	--	96
		10-07-88	--	--	--	--	--	95
		11-04-88	12	18	90	100	--	12
		11-15-88	--	--	--	--	--	--
		12-16-88	--	--	--	--	--	84
		01-27-89	--	--	--	--	--	87
		02-17-89	--	--	--	--	--	88
		03-08-89	--	--	--	--	--	--
		03-17-89	--	--	--	--	--	98

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
1	06879100	04-24-89	--	--	--	--	--	92
		05-16-89	--	--	--	--	--	90
		05-25-89	--	--	--	--	--	98
		06-01-89	--	--	--	--	--	--
		06-15-89	--	--	--	--	--	97
		07-11-89	--	--	--	--	--	99
	390255096435000	08-18-89	--	--	--	--	--	98
		09-11-89	--	--	--	--	--	99
		10-02-89	--	--	--	--	--	99
		11-17-89	--	--	--	--	--	88
		12-19-89	--	--	--	--	--	37
2	390255096435000	01-10-90	--	--	--	95	--	60
		02-09-90	--	--	--	--	--	89
		03-23-90	--	--	--	--	--	96
		04-27-90	--	--	--	--	--	94
		09-29-87	--	--	--	--	--	--
		07-27-88	--	--	--	--	--	--
		11-15-88	--	--	--	--	--	--
3	06879650	03-08-89	--	--	--	--	--	--
		06-01-89	--	--	--	--	--	--
		05-27-87	--	--	--	--	--	96
		06-22-87	--	--	--	--	--	95
		07-21-87	--	--	--	--	--	--
		01-19-88	--	--	--	--	--	44
		02-16-88	--	--	--	--	--	80
		03-14-88	--	--	--	--	--	84
		04-18-88	--	--	--	--	--	--
		05-17-88	--	--	--	--	--	88
		06-09-88	--	--	--	--	--	93
		09-08-89	--	--	--	--	--	99

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
3	06879650	09-08-89	100	--	--	--	--	93
		09-08-89	--	--	--	--	--	95
		09-09-89	--	--	--	--	--	95
		09-09-89	--	--	--	--	--	98
		09-09-89	--	--	--	--	--	98

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.062 mm (70338)
3	06879650	09-09-89	0715	36	6.4	--	95
		09-11-89	1520	12	.05	--	--
		10-03-89	0855	16	.01	--	100
		11-17-89	1315	7	.02	--	90
		12-15-89	1305	2	0	--	32
		02-13-90	1030	4	0	--	47
		03-13-90	2055	13,300	7,720	29	78
		03-13-90	2140	3,440	985	45	89
		03-13-90	2225	996	181	49	82
		03-13-90	2310	430	55	--	92
5	06879820	03-13-90	2355	229	27	--	94
		03-14-90	0040	229	31	--	89
		03-20-90	1130	4	.08	--	78
		04-27-90	1715	1	.01	--	69
		09-29-87	1515	120	868	--	--
6	06879900	07-24-88	1020	210	136	--	--
		11-16-88	0850	45	55	--	--
		03-09-89	0930	20	21	--	--
		06-02-89	0820	187	250	--	--
		09-28-87	1250	101	1.9	--	--
9	405221097582100	07-26-88	0730	68	1.1	--	--
		11-14-88	1200	62	.23	--	--
		03-08-89	1015	86	96	--	--
		05-31-89	1445	53	--	--	--
		09-29-87	1045	37	0	--	--
		07-26-88	0945	34	.03	--	--
		11-15-88	0815	33	.12	--	--
		03-07-89	1015	107	--	--	--
		05-31-89	0930	39	.04	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.062 mm (70338)
10	405438097354800	09-28-87	1150	57	0.23	--	--
		07-26-88	0900	163	3.6	--	--
		11-14-88	1345	52	--	--	--
		03-07-89	1000	44	.10	--	--
		05-31-89	1330	10	.01	--	--
11	06880000	09-28-87	1350	230	20	--	--
		07-26-88	0845	251	20	--	--
		11-14-88	1050	70	3.6	--	--
		03-08-89	1215	98	6.6	--	--
		05-31-89	1600	145	--	--	--
12	06880500	09-28-87	1425	202	33	--	--
		07-26-88	1000	222	33	--	--
		11-14-88	0845	56	4.4	--	--
		03-08-89	1130	73	9.9	--	--
16	403611098200600	09-29-87	1545	7	.13	--	--
		07-26-88	0630	18	.33	--	--
		11-15-88	1015	2	.02	--	--
		03-07-89	1600	21	.36	--	--
		05-30-89	1145	3	.04	--	--
17	404247097580600	09-29-87	1215	107	1.6	--	--
		07-25-88	1230	194	7.3	--	--
		11-15-88	1130	65	.61	--	--
		03-07-89	1300	48	.34	--	--
18	403749097503400	09-29-87	1315	24	.06	--	--
		07-25-88	1130	175	1.8	--	--
		11-15-88	1230	42	30	--	--
		03-07-89	1445	183	.27	--	--
		05-30-89	1445	87	.06	--	--

Table 6. Concentrations and particle-size distribution of suspended in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)
19	404327097354600	09-29-87	1030	99	5.6	--	--	--
		07-25-88	1200	308	22	--	--	--
		11-15-88	1300	29	1.1	--	--	--
		03-07-89	1245	24	.97	--	--	--
		05-31-89	1100	525	21	--	--	--
21	405029097322100	09-28-87	1030	37	.22	--	--	--
		07-26-88	1010	66	1.2	--	--	--
		11-14-88	1425	21	.14	--	--	--
		03-07-89	1145	76	.60	--	--	--
		05-31-89	1245	60	.36	--	--	--
23	06880800	05-13-87	0930	317	152	--	--	--
		05-21-87	0915	123	45	--	63	--
		06-03-87	0945	3,840	8,690	70	77	90
		06-09-87	1000	8,040	15,900	58	68	88
		06-10-87	1100	4,420	12,600	60	67	81
		06-16-87	1030	373	206	--	68	--
		07-15-87	1100	342	158	--	71	--
		08-11-87	1000	193	85	--	71	--
		09-09-87	1030	60	13	--	74	--
		09-29-87	1545	55	12	--	--	--
		11-03-87	1000	55	13	--	--	--
		12-01-87	1000	8	1.8	--	--	--
		01-26-88	1030	11	3.0	--	--	--
		02-22-88	1100	117	39	--	--	--
		03-21-88	1100	73	21	--	--	--
		04-18-88	1020	100	21	--	67	--
		05-24-88	1130	649	240	--	74	--
		06-20-88	1030	174	25	--	--	--

Table 6. Concentrations and particle-size distribution of suspended in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24 hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)
23	06880800	07-18-88	1000	244	70	--	--	--
		07-25-88	1245	211	43	--	--	--
		08-08-88	1115	179	39	--	--	--
		08-31-88	1400	74	9.6	--	--	--
		10-12-88	1230	106	16	--	--	--
		11-07-88	1200	14	2.2	--	--	--
		12-06-88	1000	9	1.3	--	--	--
		01-03-89	1130	12	1.9	--	--	--
		02-07-89	1000	12	1.6	--	--	--
		03-07-89	1400	41	12	--	--	--
		03-08-89	1345	84	12	--	--	--
		04-04-89	0955	120	23	--	--	--
		05-02-89	0830	43	5.8	--	--	--
		05-31-89	1430	258	--	--	--	--
		06-21-89	1020	291	39	--	46	--
		06-27-89	1030	1,960	9,680	--	--	--
		06-28-89	1200	1,420	5,640	83	86	91
		06-29-89	1130	1,140	3,480	78	83	92
		06-30-89	0915	1,060	--	72	86	90
		08-22-89	1010	211	70	--	74	--
		09-05-89	1030	1,520	6,850	59	65	75
		10-31-89	1330	10	1.7	--	--	--
		11-28-89	1000	98	17	--	--	--
		12-18-89	1135	8	.97	--	--	--
		01-17-90	1130	29	5.0	--	--	--
		02-12-90	1400	37	8.2	--	--	--
		03-26-90	1000	48	9.2	--	--	--
		04-17-90	1545	39	6.7	--	--	--

Table 6. Concentrations and particle-size distribution of suspended in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
26	06881000	09-29-87	1430	106	53	--	--	--
		07-25-88	1030	205	102	--	--	--
		11-14-88	1530	21	6.4	--	--	--
		03-08-89	1500	72	37	--	--	--
		05-31-89	1300	413	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
19	404327097354600	09-29-87	--	--	--	--	--
		07-25-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
		03-07-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
21	405029097322100	09-28-87	--	--	--	--	--
		07-26-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		03-07-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
23	06880800	05-13-87	--	--	--	--	100
		05-21-87	--	--	--	--	100
		06-03-87	--	--	--	--	99
		06-09-87	--	--	--	--	99
		06-10-87	--	--	--	--	99
		06-16-87	--	--	--	--	100
		07-15-87	--	--	--	--	99
		08-11-87	--	--	--	--	100
		09-09-87	--	--	--	--	100
		09-29-87	--	--	--	--	--
		11-03-87	--	--	--	--	92
		12-01-87	--	--	--	--	91
		01-26-88	--	--	--	--	98
		02-22-88	--	--	--	--	99
		03-21-88	--	--	--	--	99
		04-18-88	--	--	--	--	98
		05-24-88	--	--	--	--	99
		06-20-88	--	--	--	--	99

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
23	06880800	07-18-88	--	--	--	--	99
		07-25-88	--	--	--	--	--
		08-08-88	--	--	--	--	99
		08-31-88	--	--	--	--	100
		10-12-88	--	--	--	--	99
		11-07-88	--	--	--	--	98
		12-06-88	--	--	--	--	100
		01-03-89	--	--	--	--	95
		02-07-89	--	--	--	--	97
		03-07-89	--	--	--	--	96
		03-08-89	--	--	--	--	--
		04-04-89	--	--	--	--	74
		05-02-89	--	--	--	--	97
		05-31-89	--	--	--	--	--
		06-21-89	98	100	--	--	91
		06-27-89	95	95	97	100	93
		06-28-89	--	--	--	--	99
		06-29-89	--	--	--	--	97
		06-30-89	--	--	--	--	99
		08-22-89	--	--	--	--	98
		09-05-89	91	94	99	100	84
		10-31-89	--	--	--	--	91
		11-28-89	93	98	100	--	65
		12-18-89	--	--	--	--	90
		01-17-90	--	--	--	--	82
		02-12-90	--	--	--	--	86
		03-26-90	--	--	--	--	95
		04-17-90	--	--	--	--	95

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
26	06881000	09-29-87	--	--	--	--	--
		07-25-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		03-08-89	--	--	--	--	--
		05-31-89	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
27	403304097311400	09-29-87	1145	138	0.07	--	--	--	--
		07-25-88	1325	201	1.1	--	--	--	--
		11-15-88	1110	75	.06	--	--	--	--
		03-07-89	1345	53	.21	--	--	--	--
		05-30-89	1445	128	--	--	--	--	--
28	06881200	09-29-87	1320	316	44	--	--	--	--
		07-25-88	0600	353	14	--	--	--	--
		11-14-88	1445	30	.58	--	--	--	--
		03-07-89	0855	32	2.7	--	--	--	--
		05-31-89	1215	155	--	--	--	--	--
29	402348096591100	09-28-87	1620	191	14	--	--	--	--
		07-25-88	0630	196	6.7	--	--	--	--
		11-14-88	1200	52	1.5	--	--	--	--
		03-07-89	1240	29	2.3	--	--	--	--
		05-31-89	1100	122	2.6	--	--	--	--
31	401730096500200	09-28-87	1445	105	1.6	--	--	--	--
		07-26-88	0510	58	.56	--	--	--	--
		11-14-88	1045	2	0	--	--	--	--
		03-08-89	0900	10	.08	--	--	--	--
		05-30-89	1630	6	.01	--	--	--	--
32	06881500	09-28-87	1315	125	109	--	--	--	--
		07-25-88	1330	262	166	--	--	--	--
		07-25-88	1700	242	151	--	--	--	--
		07-25-88	2100	215	125	--	--	--	--
		07-26-88	0115	210	120	--	--	--	--
		07-26-88	0950	253	131	--	--	--	--
		07-27-88	0510	158	70	--	--	--	--
		11-14-88	0900	29	15	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
32	06881500	03-07-89	1000	59	38	--	--	--	--
		05-30-89	1000	101	44	--	--	--	--
34	400632096401600	09-28-87	1215	55	2.7	--	--	--	--
		07-25-88	0650	123	4.0	--	--	--	--
		11-14-88	1020	111	1.6	--	--	--	--
		03-07-89	1520	54	.66	--	--	--	--
		05-30-89	1345	145	1.2	--	--	--	--
35	06882000	05-12-87	1100	158	362	--	--	--	--
		05-19-87	1115	61	105	--	--	--	--
		06-02-87	1230	2,360	26,600	69	80	93	99
		06-10-87	1300	3,300	35,300	58	66	86	100
		06-16-87	1000	214	566	--	93	--	100
		06-19-87	1100	4,400	89,100	47	54	75	98
		07-14-87	1200	233	730	--	--	--	99
		08-10-87	1130	225	495	--	92	--	100
		09-08-87	1100	77	147	--	--	--	100
		09-28-87	1050	79	124	--	--	--	--
		10-05-87	1200	49	43	--	--	--	98
		11-02-87	1100	51	79	--	--	--	73
		12-01-87	1100	5	5.7	--	--	--	100
		01-26-88	1130	11	12	--	--	--	91
		02-23-88	1130	30	45	--	--	--	100
		03-21-88	1130	51	52	--	--	--	99
		04-20-88	1115	74	69	--	--	--	96
		05-24-88	1005	245	979	--	84	--	99
		06-21-88	0925	47	19	--	--	--	96
		07-19-88	1025	43	28	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
35	06882000	07-25-88	0540	96	104	--	--	--	--
		08-09-88	0915	30	22	--	--	--	98
		08-30-88	1400	105	39	--	96	--	100
		10-18-88	1000	69	32	--	--	--	99
		11-08-88	1200	32	14	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
35	06882000	11-14-88	1145	23	12	--	--	--
		12-06-88	0900	19	12	--	--	--
		01-04-89	1100	16	8.6	--	--	--
		01-31-89	1100	23	20	--	--	--
		03-07-89	1435	40	36	--	--	--
		03-28-89	1130	46	34	--	--	--
		04-19-89	1130	51	31	--	--	--
		05-24-89	0940	36	21	--	--	--
		05-30-89	1245	22	11	--	--	--
		06-27-89	1245	1,900	17,300	--	87	98
		07-11-89	0930	768	1,230	--	96	98
		08-16-89	0825	75	29	--	--	--
36	06882510	09-06-89	1020	2,670	47,600	46	53	67
		10-23-89	1600	33	20	--	--	--
		11-29-89	1030	15	8.2	--	--	--
		12-19-89	0920	10	4.9	--	--	--
		02-13-90	1030	60	37	--	--	--
		04-18-90	1000	50	31	--	--	--
		09-30-87	1300	78	110	--	--	--
		07-25-88	1230	161	171	--	--	--
		11-16-88	1050	41	30	--	--	--
		03-09-89	0940	48	41	--	--	--
		05-31-89	1240	19	8.3	--	--	--
		09-30-87	0815	4	.10	--	--	--
37	402726098240500	07-26-88	0515	224	11	--	--	--
		11-15-88	1100	2	.04	--	--	--
		03-08-89	0800	6	.18	--	--	--
		05-30-89	1200	1	.02	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
38	06883000	09-30-87	0925	21	2.8	--	--	--
		07-26-88	0810	170	14	--	--	--
		11-15-88	0940	3	.53	--	--	--
		03-08-89	0920	88	16	--	--	--
		05-30-89	1320	61	7.4	--	--	--
39	401243097433500	09-30-87	1045	78	11	--	--	--
		07-26-88	0630	294	25	--	--	--
		11-15-88	0815	25	3.5	--	--	--
		03-08-89	1100	32	6.8	--	--	--
		05-31-89	1030	201	24	--	--	--
40	06883570	09-28-87	1450	132	36	--	--	--
		07-26-88	0630	149	22	--	--	--
		11-14-88	1655	13	1.4	--	--	--
		03-08-89	1345	77	25	--	--	--
		05-31-89	1200	232	39	--	--	--
41	401826097451100	07-26-88	0600	700	2.9	--	--	--
42	06883940	09-28-87	1530	12	.78	--	--	--
		07-26-88	0545	65	6.5	--	--	--
		11-14-88	1730	6	.32	--	--	--
		03-08-89	1250	7	.49	--	--	--
		05-31-89	1130	10	.68	--	--	--
44	06884000	09-28-87	1240	368	198	--	--	--
		07-25-88	0845	122	44	--	--	--
		11-14-88	1555	14	3.4	--	--	--
		03-08-89	1225	28	10	--	--	--
		05-31-89	1300	113	28	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
35	06882000	11-14-88	--	--	--	--	--	--
		12-06-88	--	--	--	--	--	98
		01-04-89	--	--	--	--	--	100
		01-31-89	--	--	--	--	--	98
		03-07-89	--	--	--	--	--	--
		03-28-89	--	--	--	--	--	99
		04-19-89	--	--	--	--	--	99
		05-24-89	--	--	--	--	--	98
		05-30-89	--	--	--	--	--	--
		06-27-89	--	--	--	--	--	99
36	06882510	07-11-89	--	--	--	--	--	100
		08-16-89	--	--	--	--	--	97
		09-06-89	84	84	90	96	100	79
		10-23-89	--	--	--	--	--	96
		11-29-89	--	--	--	--	--	88
		12-19-89	--	--	--	--	--	90
		02-13-90	--	--	--	--	--	92
		04-18-90	--	--	--	--	--	94
		09-30-87	--	--	--	--	--	--
		07-25-88	--	--	--	--	--	--
37	402726098240500	11-16-88	--	--	--	--	--	--
		03-09-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
		09-30-87	--	--	--	--	--	--
		07-26-88	--	--	--	--	--	--
		11-15-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-30-89	--	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
38	06883000	09-30-87	--	--	--	--	--	--
		07-26-88	--	--	--	--	--	--
		11-15-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-30-89	--	--	--	--	--	--
39	401243097433500	09-30-87	--	--	--	--	--	--
		07-26-88	--	--	--	--	--	--
		11-15-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
40	06883570	09-28-87	--	--	--	--	--	--
		07-26-88	--	--	--	--	--	--
		11-14-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
41	401826097451100	07-26-88	--	--	--	--	--	--
42	06883940	09-28-87	--	--	--	--	--	--
		07-26-88	--	--	--	--	--	--
		11-14-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
44	06884000	09-28-87	--	--	--	--	--	--
		07-25-88	--	--	--	--	--	--
		11-14-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)
46	400359097101400	09-28-87	1200	227	14	--	--	--
		07-25-88	0615	728	35	--	--	--
		11-14-88	1515	94	2.0	--	--	--
		03-08-89	1200	48	1.7	--	--	--
		05-31-89	1330	176	3.2	--	--	--
47	06884025	05-12-87	1410	314	678	--	60	--
		05-26-87	1150	704	1,180	--	61	--
		06-23-87	1030	3,380	5,730	51	66	86
		06-30-87	1700	5,660	66,600	44	49	65
		07-01-87	0730	3,100	19,300	53	61	77
		07-21-87	1100	721	1,450	--	42	--
		08-18-87	1120	2,340	7,010	53	59	75
		09-15-87	1030	965	784	65	73	84
		09-28-87	1030	205	116	--	--	--
		10-13-87	1115	32	16	--	--	--
		11-04-87	1120	72	40	--	--	--
		12-06-87	1130	46	29	--	--	--
		01-07-88	1245	46	22	--	--	--
		02-03-88	1300	37	27	--	--	--
		03-02-88	1315	111	73	--	--	--
		04-26-88	1015	96	57	--	--	--
		05-31-88	1045	623	283	--	--	--
		06-28-88	0945	12	1.3	--	--	--
		07-25-88	1150	197	87	--	--	--
		07-27-88	0920	134	43	--	--	--
		08-09-88	1135	76	16	--	--	--
		08-30-88	1100	57	20	--	--	--
		10-18-88	1300	120	37	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
47	06884025	11-09-88	1200	20	6.4	--	--	--
		11-14-88	1350	16	5.7	--	--	--
		12-06-88	1300	21	7.7	--	--	--
		01-10-89	1050	18	4.2	--	--	--
		02-07-89	1115	46	14	--	--	--
		03-07-89	1100	33	16	--	--	--
		03-08-89	1040	47	18	--	--	--
		04-05-89	0955	79	29	--	--	--
		05-01-89	1200	51	16	--	--	--
		05-31-89	1420	135	40	--	--	--
		06-22-89	1240	231	75	--	63	--
		06-26-89	1130	3,720	47,100	65	68	81
		08-15-89	1800	130	60	--	58	--
		09-06-89	1130	3,410	4,400	48	55	72
		10-23-89	1430	18	5.8	--	--	--
48	395513096561100	11-28-89	1530	16	5.2	--	--	--
		12-19-89	1150	15	3.0	--	--	--
		01-18-90	1300	77	41	--	--	--
		02-13-90	1300	61	26	--	--	--
		03-21-90	1230	380	172	--	--	--
		04-18-90	1230	409	171	--	--	--
		09-30-87	1210	43	2.4	--	--	--
		11-16-88	1400	58	1.8	--	--	--
		03-09-89	0830	27	.92	--	--	--
		05-31-89	1415	59	.94	--	--	--
49	06884400	09-30-87	1420	103	104	--	--	--
		07-25-88	1400	222	123	--	--	--
		11-16-88	1130	32	13	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
49	06884400	11-16-88	1135	40	16	--	--	--
		03-08-89	1630	69	28	--	--	--
		03-08-89	1635	65	26	--	--	--
		03-08-89	1715	52	21	--	--	--
		03-08-89	1720	56	23	--	--	--
		05-31-89	1540	122	36	--	--	--
		05-31-89	1545	121	36	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
46	400359097101400	09-28-87	--	--	--	--	--	--
		07-25-88	--	--	--	--	--	--
		11-14-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
47	06884025	05-12-87	--	--	--	--	--	96
		05-26-87	--	--	--	--	--	96
		06-23-87	94	96	100	--	--	93
		06-30-87	97	99	100	--	--	90
		07-01-87	98	100	--	--	--	95
		07-21-87	--	--	--	--	--	95
		08-18-87	99	100	--	--	--	97
		09-15-87	91	92	97	100	--	91
		09-28-87	--	--	--	--	--	--
		10-13-87	--	--	--	--	--	93
		11-04-87	--	--	--	--	--	95
		12-06-87	--	--	--	--	--	80
		01-07-88	--	--	--	--	--	70
		02-03-88	--	--	--	--	--	97
		03-02-88	--	--	--	--	--	88
		04-26-88	--	--	--	--	--	84
		05-31-88	31	64	100	--	--	25
		06-28-88	--	--	--	--	--	99
		07-25-88	--	--	--	--	--	--
		07-27-88	--	--	--	--	--	99
		08-09-88	--	--	--	--	--	97
		08-30-88	--	--	--	--	--	99
		10-18-88	60	62	89	92	100	57

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
47	06884025	11-09-88	--	--	--	--	--	98
		11-14-88	--	--	--	--	--	--
		12-06-88	--	--	--	--	--	86
		01-10-89	--	--	--	--	--	91
		02-07-89	85	100	--	--	--	52
		03-07-89	--	--	--	--	--	79
		03-08-89	--	--	--	--	--	--
		04-05-89	46	55	91	100	--	46
		05-01-89	--	--	--	--	--	94
		05-31-89	--	--	--	--	--	--
		06-22-89	96	99	100	--	--	88
		06-26-89	94	96	100	--	--	92
		08-15-89	--	--	--	--	--	94
		09-06-89	99	100	--	--	--	86
48	395513096561100	10-23-89	--	--	--	--	--	92
		11-28-89	--	--	--	--	--	69
		12-19-89	--	--	--	--	--	93
		01-18-90	--	--	--	--	--	92
		02-13-90	--	--	--	--	--	95
		03-21-90	--	--	--	--	--	100
		04-18-90	--	--	--	--	--	44
49	06884400	09-30-87	--	--	--	--	--	--
		11-16-88	--	--	--	--	--	--
		03-09-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
		09-30-87	--	--	--	--	--	--
		07-25-88	--	--	--	--	--	--
		11-16-88	--	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, fall diameter, percent finer than 2.00 mm (70347)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
49	06884400	11-16-88	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		03-08-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--
		05-31-89	--	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
49	06884400	05-31-89	1550	118	35	--	--	--
		05-31-89	1555	122	36	--	--	--
50	06885500	05-13-87	1200	102	29	--	--	--
		05-28-87	1045	908	13,400	--	71	--
		06-23-87	1020	120	28	--	70	--
		07-20-87	1330	43	5.8	--	--	--
		08-18-87	1100	277	26	--	68	--
		09-15-87	1445	1,510	8,240	72	79	91
		09-16-87	1120	1,810	21,700	66	75	89
		09-22-87	1030	170	34	--	70	--
		09-30-87	1430	74	6.5	--	--	--
		10-20-87	1120	25	2.2	--	--	--
		11-23-87	1005	12	1.4	--	--	--
		12-22-87	1030	96	22	--	--	--
		01-19-88	1100	40	6.2	--	--	--
		02-16-88	1045	137	104	--	--	--
		03-14-88	1045	16	1.5	--	--	--
		04-18-88	1115	93	12	--	--	--
		05-16-88	1045	148	8.4	--	--	--
		06-09-88	1010	138	6.0	--	--	--
		06-30-88	1130	1,900	826	39	47	67
		06-30-88	1330	3,250	2,020	45	54	72
		07-05-88	1100	146	4.5	--	--	--
		07-24-88	1320	120	2.3	--	--	--
		08-12-88	1315	84	5.1	--	--	--
		09-01-88	1110	113	.93	--	--	--
		10-06-88	1110	55	.41	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
50	06885500	11-03-88	1100	126	2.2	--	--	--
		11-16-88	1340	93	4.0	--	--	--
		11-16-88	1350	82	3.5	--	--	--
		12-15-88	1135	19	.71	--	--	--
		01-26-89	1120	7	.23	--	--	--
		02-16-89	1210	9	.23	--	--	--
		03-09-89	1130	60	2.6	--	--	--
		03-16-89	1025	36	1.2	--	--	--
		04-25-89	0915	106	2.8	--	--	--
		05-15-89	1120	152	2.5	--	--	--
		05-31-89	1055	119	1.3	--	--	--
		06-16-89	1330	168	3.4	--	--	--
		06-27-89	1245	3,190	5,060	65	75	94
		07-10-89	1030	91	1.3	--	--	--
		08-17-89	1040	112	2.5	--	--	--
		09-18-89	1100	109	6.7	--	--	--
51	06886500	10-04-89	1150	52	1.0	--	--	--
		11-16-89	1040	37	.94	--	--	--
		12-14-89	1100	20	.47	--	--	--
		01-10-90	1025	23	1.3	--	--	--
		02-08-90	1100	22	.96	--	--	--
		03-22-90	1100	119	7.9	--	--	--
		04-26-90	1700	78	5.7	--	--	--
		09-30-87	1050	27	1.5	--	--	--
		07-24-88	1445	47	.72	--	--	--
		11-16-88	0940	63	2.5	--	--	--
		03-09-89	1115	25	.4	--	--	--
		05-31-89	1730	12	.03	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
52	06887000	05-13-87	1545	428	26,100	--	--	--
		06-23-87	0830	14	223	--	--	--
		07-20-87	1630	37	131	--	--	--
		08-18-87	1330	26	86	--	--	--
		09-21-87	1330	23	292	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
49	06884400	05-31-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
50	06885500	05-13-87	--	--	--	--	95
		05-28-87	--	--	--	--	98
		06-23-87	--	--	--	--	98
		07-20-87	--	--	--	--	88
		08-18-87	--	--	--	--	98
		09-15-87	--	--	--	--	99
		09-16-87	--	--	--	--	99
		09-22-87	--	--	--	--	98
		09-30-87	--	--	--	--	--
		10-20-87	--	--	--	--	88
		11-23-87	--	--	--	--	94
		12-22-87	--	--	--	--	98
		01-19-88	--	--	--	--	96
		02-16-88	--	--	--	--	98
		03-14-88	--	--	--	--	89
		04-18-88	--	--	--	--	88
		05-16-88	--	--	--	--	99
		06-09-88	--	--	--	--	99
		06-30-88	--	--	--	--	98
		06-30-88	98	98	100	--	97
		07-05-88	--	--	--	--	99
		07-24-88	--	--	--	--	--
		08-12-88	--	--	--	--	83
		09-01-88	--	--	--	--	96
		10-06-88	--	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
50	06885500	11-03-88	--	--	--	--	98
		11-16-88	--	--	--	--	--
		11-16-88	--	--	--	--	--
		12-15-88	--	--	--	--	69
		01-26-89	--	--	--	--	86
		02-16-89	--	--	--	--	75
		03-09-89	--	--	--	--	--
		03-16-89	--	--	--	--	96
		04-25-89	--	--	--	--	97
		05-15-89	--	--	--	--	98
		05-31-89	--	--	--	--	--
		06-16-89	--	--	--	--	100
		06-27-89	--	--	--	--	100
		07-10-89	--	--	--	--	96
		08-17-89	--	--	--	--	98
51	06886500	09-18-89	--	--	--	--	100
		10-04-89	--	--	--	--	96
		11-16-89	--	--	--	--	95
		12-14-89	--	--	--	--	40
		01-10-90	--	--	--	--	59
		02-08-90	--	--	--	--	73
		03-22-90	--	--	--	--	95
		04-26-90	--	--	--	--	99
		09-30-87	--	--	--	--	--
		07-24-88	--	--	--	--	--
		11-16-88	--	--	--	--	--
		03-09-89	--	--	--	--	--
		05-31-89	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
52	06887000	05-13-87	10	10	60	88	8
		06-23-87	--	--	--	--	84
		07-20-87	--	--	--	--	91
		08-18-87	--	--	--	--	94
		09-21-87	--	--	--	--	97

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
52	06887000	09-30-87	1045	46	353	--	--	--
		09-30-87	1125	43	330	--	--	--
		10-20-87	1315	14	1.7	--	--	--
		11-23-87	1615	13	2.7	--	--	--
		12-21-87	1500	13	49	--	--	--
		01-20-88	0825	4	16	--	--	--
		02-18-88	1030	7	44	--	--	--
		03-14-88	1315	21	53	--	--	--
		04-18-88	1150	15	7.5	--	--	--
		05-17-88	1400	19	21	--	--	--
		06-07-88	1400	26	53	--	--	--
		07-05-88	1545	20	49	--	--	--
		07-24-88	1045	28	141	--	--	--
		08-12-88	0845	16	79	--	--	--
		09-01-88	1530	14	.13	--	--	--
		10-07-88	0830	33	88	--	--	--
		11-04-88	0800	26	108	--	--	--
		11-15-88	1445	22	32	--	--	--
		12-15-88	1530	7	8.9	--	--	--
		01-26-89	1535	10	12	--	--	--
		02-17-89	0810	6	7.3	--	--	--
		03-08-89	1430	7	8.4	--	--	--
		03-16-89	1510	12	14	--	--	--
		04-24-89	1425	22	29	--	--	--
		05-15-89	1540	32	40	--	--	--
		06-02-89	1030	42	45	--	--	--
		06-16-89	0850	24	5.6	--	--	--
		07-10-89	1515	31	129	--	--	--
		08-17-89	1445	44	247	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
52	06887000	09-12-89	1055	148	8,230	--	--	--
		10-03-89	1415	230	944	--	--	--
		11-16-89	1415	124	496	--	--	--
		12-15-89	0845	32	6.7	--	--	--
		01-09-90	1235	7	9.5	--	--	--
55	392844096093500	02-08-90	1530	12	22	--	--	--
		03-22-90	1530	40	99	--	--	--
		04-26-90	1200	67	35	--	--	--
		09-29-87	1245	44	.59	--	--	--
		07-27-88	0930	48	.19	--	--	--
56	06888030	11-15-88	1330	144	.63	--	--	--
		03-08-89	1345	28	.33	--	--	--
		05-31-89	0900	76	.12	--	--	--
		09-29-87	1410	87	2.2	--	--	--
		07-27-88	1120	136	1.5	--	--	--
57	06888300	11-15-88	1115	74	.71	--	--	--
		03-08-89	1100	46	.78	--	--	--
		06-01-89	1450	74	.32	--	--	--
		09-30-87	1325	32	.19	--	--	--
		07-29-88	0815	68	.40	--	--	--
58	06888350	03-08-89	1645	34	.22	--	--	--
		06-01-89	1645	29	.14	--	--	--
		09-29-87	0930	275	4,580	--	--	--
		07-27-88	0910	59	406	--	--	--
		11-15-88	1445	76	244	--	--	--
		05-30-89	1845	436	1,220	--	--	--

Table 6. *Concentrations and particle-size distribution of suspended sediment in water--Continued*

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
59	06888500	05-27-87	1310	9,460	131,000	37	42	63
		06-23-87	1315	14	3.1	--	--	--
		07-20-87	1005	19	1.5	--	--	--
		08-18-87	0940	80	6.3	--	--	--
		09-22-87	1300	45	2.4	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
52	06887000	09-30-87	--	--	--	--	--
		09-30-87	--	--	--	--	--
		10-20-87	--	--	--	--	90
		11-23-87	--	--	--	--	99
		12-21-87	--	--	--	--	75
		01-20-88	--	--	--	--	69
		02-18-88	--	--	--	--	82
		03-14-88	--	--	--	--	96
		04-18-88	--	--	--	--	99
		05-17-88	--	--	--	--	97
		06-07-88	--	--	--	--	93
		07-05-88	--	--	--	--	90
		07-24-88	--	--	--	--	--
		08-12-88	--	--	--	--	100
		09-01-88	--	--	--	--	100
		10-07-88	--	--	--	--	100
		11-04-88	--	--	--	--	99
		11-15-88	--	--	--	--	--
		12-15-88	--	--	--	--	88
		01-26-89	--	--	--	--	89
		02-17-89	--	--	--	--	100
		03-08-89	--	--	--	--	--
		03-16-89	--	--	--	--	96
		04-24-89	--	--	--	--	90
		05-15-89	--	--	--	--	93
		06-02-89	--	--	--	--	--
		06-16-89	--	--	--	--	100
		07-10-89	--	--	--	--	92
		08-17-89	--	--	--	--	96
		09-12-89	--	--	--	--	93

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
52	06887000	10-03-89	--	--	--	--	99
		11-16-89	--	--	--	--	98
		12-15-89	--	--	--	--	75
		01-09-90	--	--	--	--	96
		02-08-90	--	--	--	--	100
55	392844096093500	03-22-90	--	--	--	--	96
		04-26-90	--	--	--	--	100
		09-29-87	--	--	--	--	--
		07-27-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
56	06888030	03-08-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
		09-29-87	--	--	--	--	--
		07-27-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
57	06888300	03-08-89	--	--	--	--	--
		06-01-89	--	--	--	--	--
		09-30-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
58	06888350	03-08-89	--	--	--	--	--
		06-01-89	--	--	--	--	--
		09-29-87	--	--	--	--	--
		07-27-88	--	--	--	--	--
59	06888500	11-15-88	--	--	--	--	--
		05-30-89	--	--	--	--	--
		05-27-87	99	99	99	100	94

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
59	06888500	06-23-87	--	--	--	--	96
		07-20-87	--	--	--	--	--
		08-18-87	--	--	--	--	99
		09-22-87	--	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
59	06888500	09-29-87	1515	45	2.0	--	--	--
		10-20-87	1445	36	1.4	--	--	--
		11-23-87	1245	34	2.5	--	--	--
		12-22-87	1330	39	20	--	--	--
		01-19-88	1345	6	1.5	--	--	--
		02-17-88	1350	56	11	--	--	--
		03-15-88	1300	17	1.7	--	--	--
		04-18-88	1445	31	15	--	--	--
		05-16-88	1410	26	3.2	--	--	--
		06-08-88	1000	43	2.9	--	--	--
		07-06-88	1520	34	1.3	--	--	--
		07-27-88	1010	109	2.8	--	--	--
		08-09-88	0955	24	.52	--	--	--
		08-30-88	1005	28	.16	--	--	--
		10-04-88	1020	22	.16	--	--	--
		11-07-88	1445	24	.22	--	--	--
		11-15-88	1100	21	.32	--	--	--
		12-20-88	0950	11	.15	--	--	--
		01-24-89	1345	8	.09	--	--	--
		02-14-89	1310	15	.23	--	--	--
		03-08-89	1310	69	.81	--	--	--
		03-14-89	1300	26	.30	--	--	--
		04-20-89	1220	46	.49	--	--	--
		05-18-89	1210	23	.17	--	--	--
		06-01-89	1145	65	.47	--	--	--
		06-13-89	1250	26	.15	--	--	--
		07-13-89	0935	360	67	--	89	--
		08-14-89	1320	40	.06	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate.1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)
59	06888500	09-05-89	1315	451	442	--	76	--
		09-14-89	0940	57	25	--	--	--
		10-06-89	0935	27	1.6	--	--	--
		11-20-89	1335	26	2.0	--	--	--
		12-12-89	1400	18	.92	--	--	--
60	390820095571500	01-11-90	0930	13	.55	--	--	--
		02-06-90	1350	10	.99	--	--	--
		03-14-90	1005	1,030	1,170	--	68	--
		04-24-90	1400	11	4.4	--	--	--
		09-29-87	1340	50	1.2	--	--	--
61	06888705	07-29-88	0535	179	.87	--	--	--
		11-15-88	1240	35	.15	--	--	--
		03-09-89	1230	20	.13	--	--	--
		06-01-89	1310	79	.21	--	--	--
		09-29-87	1015	158	2,350	--	--	--
62	06889000	07-29-88	0415	109	562	--	--	--
		11-15-88	1030	139	270	--	--	--
		03-08-89	1030	47	115	--	--	--
		05-31-89	1710	122	250	--	--	--
		05-12-87	1020	625	65,100	--	--	--
		06-24-87	1330	382	15,700	--	30	--
		07-22-87	1020	268	5,190	48	57	75
		08-18-87	1230	370	4,460	--	61	--
		09-21-87	1245	208	3,670	--	--	--
		09-28-87	1400	137	1,980	--	--	--
		10-20-87	1330	58	531	--	--	--
		11-23-87	1200	36	156	--	--	--
		12-22-87	1330	96	964	--	--	--
		01-19-88	1000	146	1,180	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
62	06889000	02-17-88	1010	180	1,600	--	--	--
		03-15-88	1105	106	664	--	--	--
		04-18-88	1340	50	227	--	--	--
		05-17-88	0945	101	314	--	--	--
		06-07-88	1200	123	495	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
59	06888500	09-29-87	--	--	--	--	--
		10-20-87	--	--	--	--	92
		11-23-87	--	--	--	--	92
		12-22-87	--	--	--	--	98
		01-19-88	--	--	--	--	96
		02-17-88	--	--	--	--	29
		03-15-88	--	--	--	--	95
		04-18-88	--	--	--	--	99
		05-16-88	--	--	--	--	100
		06-08-88	--	--	--	--	99
		07-06-88	--	--	--	--	96
		07-27-88	--	--	--	--	--
		08-09-88	--	--	--	--	98
		08-30-88	--	--	--	--	98
		10-04-88	--	--	--	--	92
		11-07-88	--	--	--	--	67
		11-15-88	--	--	--	--	--
		12-20-88	--	--	--	--	60
		01-24-89	--	--	--	--	82
		02-14-89	--	--	--	--	14
		03-08-89	--	--	--	--	--
		03-14-89	--	--	--	--	80
		04-20-89	100	--	--	--	25
		05-18-89	--	--	--	--	95
		06-01-89	--	--	--	--	--
		06-13-89	--	--	--	--	91
		07-13-89	--	--	--	--	100
		08-14-89	--	--	--	--	84
		09-05-89	--	--	--	--	100
		09-14-89	--	--	--	--	96

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
59	06888500	10-06-89	--	--	--	--	95
		11-20-89	--	--	--	--	80
		12-12-89	--	--	--	--	48
		01-11-90	--	--	--	--	46
		02-06-90	--	--	--	--	75
		03-14-90	--	--	--	--	99
		04-24-90	--	--	--	--	94
		09-29-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
60	390820095571500	03-09-89	--	--	--	--	--
		06-01-89	--	--	--	--	--
		09-29-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
61	06888705	03-08-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
		09-29-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-15-88	--	--	--	--	--
62	06889000	05-12-87	--	--	--	--	46
		06-24-87	88	93	98	98	82
		07-22-87	--	--	--	--	98
		08-18-87	--	--	--	--	98
		09-21-87	85	91	100	--	81
		09-28-87	--	--	--	--	--
		10-20-87	--	--	--	--	94
		11-23-87	--	--	--	--	96
		12-22-87	--	--	--	--	99
		01-19-88	--	--	--	--	87

Table 6. *Concentrations and particle-size distribution of suspended sediment in water--Continued*

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
62	06889000	02-17-88	--	--	--	--	63
		03-15-88	60	77	100	--	55
		04-18-88	--	--	--	--	99
		05-17-88	--	--	--	--	94
		06-07-88	--	--	--	--	91

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
62	06889000	07-07-88	0930	123	591	--	--	--
		07-29-88	0530	198	1,200	--	--	--
		07-29-88	0535	199	1,210	--	--	--
		08-09-88	1335	152	907	--	--	--
		08-30-88	1340	70	167	--	--	--
		10-04-88	1450	54	126	--	--	--
		11-07-88	1030	78	379	--	--	--
		11-15-88	0755	41	90	--	--	--
		12-20-88	1315	42	93	--	--	--
		01-24-89	0940	23	46	--	--	--
		02-14-89	0925	7	13	--	--	--
		03-07-89	1510	94	245	--	--	--
		03-14-89	0905	31	70	--	--	--
		04-20-89	0840	46	97	--	--	--
		05-18-89	0905	90	206	--	--	--
		06-01-89	1815	35	87	--	--	--
		06-13-89	0900	71	163	--	--	--
		07-13-89	1225	3,080	46,600	64	78	97
		08-14-89	0940	737	3,560	--	--	--
		09-14-89	1300	537	40,700	--	58	--
		10-06-89	1300	204	1,300	--	--	--
		11-20-89	0905	124	666	--	--	--
		12-12-89	0925	43	95	--	--	--
		01-08-90	0920	55	236	--	--	--
		02-06-90	0930	50	202	--	--	--
		03-19-90	1015	182	1,840	--	--	--
		04-30-90	1200	48	174	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
63	06889160	09-28-87	1010	16	0.05	--	--	--
		07-29-88	0910	48	.06	--	--	--
		11-14-88	1000	68	.11	--	--	--
		03-07-89	1010	28	.09	--	--	--
		06-01-89	1300	52	.05	--	--	--
64	06889500	09-28-87	1200	44	2.2	--	--	--
		09-28-87	1215	37	1.9	--	--	--
		07-28-88	1230	66	.82	--	--	--
		07-28-88	1235	98	1.2	--	--	--
		11-14-88	1530	19	.20	--	--	--
71	394757095434300	03-07-89	1230	37	.46	--	--	--
		03-07-89	1235	46	.57	--	--	--
		03-07-89	1330	37	.46	--	--	--
		03-07-89	1335	62	.77	--	--	--
		05-31-89	1430	32	.26	--	--	--
72	06890100	05-31-89	1435	30	.25	--	--	--
		09-29-87	1030	18	.19	--	--	--
		07-27-88	0610	130	.37	--	--	--
		11-17-88	1230	24	.17	--	--	--
		03-09-89	1100	3	.02	--	--	--
71	394757095434300	06-01-89	1445	76	.74	--	--	--
		07-29-87	1045	29	1.6	--	--	--
		08-19-87	0925	107	8.5	--	--	--
		09-23-87	1010	38	2.4	--	--	--
		09-29-87	1200	9	.36	--	--	--
72	06890100	09-29-87	1205	13	.53	--	--	--
		10-21-87	0945	13	.58	--	--	--
		11-24-87	0930	5	.70	--	--	--
		12-23-87	0930	227	85	--	--	--
		01-20-88	1045	246	179	--	--	--
71	394757095434300	02-17-88	0930	322	209	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
62	06889000	07-07-88	--	--	--	--	94
		07-29-88	--	--	--	--	--
		07-29-88	--	--	--	--	--
		08-09-88	--	--	--	--	93
		08-30-88	--	--	--	--	97
		10-04-88	--	--	--	--	97
		11-07-88	--	--	--	--	94
		11-15-88	--	--	--	--	--
		12-20-88	--	--	--	--	96
		01-24-89	--	--	--	--	--
		02-14-89	--	--	--	--	78
		03-07-89	--	--	--	--	--
		03-14-89	--	--	--	--	92
		04-20-89	--	--	--	--	91
		05-18-89	--	--	--	--	92
		06-01-89	--	--	--	--	--
		06-13-89	--	--	--	--	88
		07-13-89	--	--	--	--	100
		08-14-89	78	79	98	100	77
		09-14-89	95	98	100	--	89
		10-06-89	--	--	--	--	99
		11-20-89	--	--	--	--	100
		12-12-89	--	--	--	--	97
		01-08-90	--	--	--	--	92
		02-06-90	--	--	--	--	80
		03-19-90	--	--	--	--	94
		04-30-90	--	--	--	--	97

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
63	06889160	09-28-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		03-07-89	--	--	--	--	--
		06-01-89	--	--	--	--	--
64	06889500	09-28-87	--	--	--	--	--
		09-28-87	--	--	--	--	--
		07-28-88	--	--	--	--	--
		07-28-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		05-31-89	--	--	--	--	--
71	394757095434300	05-31-89	--	--	--	--	--
		09-29-87	--	--	--	--	--
		07-27-88	--	--	--	--	--
		11-17-88	--	--	--	--	--
		03-09-89	--	--	--	--	--
72	06890100	06-01-89	--	--	--	--	--
		07-29-87	--	--	--	--	100
		08-19-87	--	--	--	--	98
		09-23-87	--	--	--	--	100
		09-29-87	--	--	--	--	--
		09-29-87	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
72	06890100	10-21-87	--	--	--	--	72
		11-24-87	--	--	--	--	100
		12-23-87	47	53	100	--	45
		01-20-88	--	--	--	--	95
		02-17-88	--	--	--	--	62

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
72	06890100	03-16-88	1000	10	0.96	--	--	--	98
		04-20-88	1030	27	3.1	--	--	--	95
		05-18-88	0950	39	1.8	--	--	--	99
		06-08-88	0945	40	2.0	--	--	--	96
		07-13-88	0915	69	1.8	--	--	--	96
		07-27-88	0745	48	.32	--	--	--	--
		08-10-88	1000	34	.40	--	--	--	99
		08-31-88	1025	42	.17	--	--	--	96
		10-05-88	1000	16	.06	--	--	--	100
		11-09-88	1010	27	.18	--	--	--	75
		11-17-88	1020	38	2.2	--	--	--	--
		12-21-88	1010	27	.70	--	--	--	58
		01-25-89	1215	23	.60	--	--	--	76
		02-15-89	1030	12	.20	--	--	--	100
		03-09-89	1230	9	.30	--	--	--	--
		03-15-89	1130	14	.37	--	--	--	97
		04-19-89	0920	29	.37	--	--	--	92
		05-17-89	1315	30	.20	--	--	--	88
		05-22-89	1450	214	31	--	--	--	94
		06-02-89	0945	24	.14	--	--	--	--
		06-14-89	0915	113	6.3	--	--	--	99
		07-12-89	0945	56	.32	--	--	--	98
		08-16-89	0935	67	.01	--	--	--	98
		09-06-89	1115	2,520	21,000	43	53	75	98
		09-10-89	1155	362	516	--	83	--	100
		10-11-89	0925	47	.38	--	--	--	85
		11-15-89	0920	17	.51	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
72	06890100	12-13-89	1000	40	0.58	--	--	--	17
		01-24-90	0850	13	.97	--	--	--	70
		02-07-90	1220	9	.64	--	--	--	65
		03-21-90	1030	50	8.1	--	--	--	99
		03-21-90	1035	50	8.1	--	--	--	99
		04-18-90	1055	16	1.9	--	--	--	98
		04-18-90	1100	16	1.9	--	--	--	98
		09-29-87	1330	5	.06	--	--	--	--
		11-17-88	1300	21	.20	--	--	--	--
		11-17-88	1305	26	.25	--	--	--	--
73	392823095362800	11-17-88	1345	29	.28	--	--	--	--
		11-17-88	1350	22	.21	--	--	--	--
		03-09-89	1400	10	.18	--	--	--	--
		03-09-89	1405	12	.21	--	--	--	--
		03-09-89	1440	14	.25	--	--	--	--
		03-09-89	1445	13	.23	--	--	--	--
		06-02-89	1100	13	.03	--	--	--	--
		06-02-89	1105	13	.03	--	--	--	--
		07-29-87	0915	15	1.4	--	--	--	98
		08-19-87	0830	95	9.0	--	--	--	96
74	06890900	10-02-87	1115	18	1.2	--	--	--	--
		10-21-87	0840	10	.68	--	--	--	91
		11-24-87	0915	4	.27	--	--	--	99
		12-23-87	0830	17	69	--	--	--	100
		01-20-88	0915	8	4.3	--	--	--	88
		02-17-88	1245	12	16	--	--	--	--
		03-16-88	0915	5	.34	--	--	--	73
		04-20-88	0915	8	.54	--	--	--	100

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
74	06890900	05-18-88	1230	26	1.8	--	--	--	100
		06-08-88	1215	76	5.1	--	--	--	98
		07-13-88	1245	40	2.7	--	--	--	98
		07-29-88	1020	44	3.0	--	--	--	--
		08-10-88	1300	52	3.5	--	--	--	86

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
74	06890900	08-31-88	1320	10	2.7	--	98
		10-05-88	1300	11	5.9	--	97
		11-09-88	1300	14	1.9	--	99
		11-15-88	1430	12	1.6	--	--
		12-21-88	1315	7	.47	--	84
		01-25-89	0840	5	.30	--	86
		02-15-89	1330	5	.30	--	100
		03-07-89	0800	5	.30	--	--
		03-15-89	0850	6	.36	--	91
		04-19-89	1230	16	.95	--	95
		05-17-89	1040	26	1.5	--	97
		05-31-89	1630	55	3.3	--	--
		06-14-89	1215	58	3.4	--	100
		07-12-89	1250	63	4.1	--	85
		08-16-89	1155	31	1.8	--	95
		09-13-89	1125	32	130	--	99
76	06891000	10-11-89	1300	26	2.1	--	97
		11-15-89	1250	16	1.3	--	99
		12-13-89	1300	5	13	--	85
		01-24-90	1220	7	1.9	--	69
		02-07-90	0940	6	1.6	--	90
		03-21-90	1315	10	19	--	94
		04-25-90	1405	7	.95	--	100
		09-28-87	1500	144	2,270	--	--
		07-28-88	0615	90	549	--	--
		11-14-88	1000	26	76	--	--
		11-14-88	1005	31	90	--	--
		11-14-88	1400	26	76	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
76	06891000	03-07-89	1400	59	136	--	--
		03-07-89	1405	42	97	--	--
		03-07-89	1410	52	120	--	--
		05-31-89	1845	93	214	--	--
77	06891080	09-28-87	1205	120	1,840	--	--
		07-28-88	0605	103	--	--	--
		11-14-88	1030	28	115	--	--
		03-07-89	1345	188	398	--	--
		06-03-89	0935	125	321	--	--
78	06891100	09-28-87	0930	123	1,970	--	--
		07-28-88	0515	42	293	--	--
		11-14-88	1440	20	53	--	--
		03-07-89	1030	31	64	--	--
79	385329095353400	09-28-87	1545	34	--	--	--
		07-29-88	0645	28	.03	--	--
		03-07-89	1600	22	.02	--	--
		05-31-89	0930	22	--	--	--
83	06891500	07-29-87	1220	22	1.2	--	100
		08-19-87	1100	312	23	51	96
		09-23-87	1315	53	2.6	--	94
		09-29-87	1530	38	1.9	--	--
		09-29-87	1535	37	1.9	--	--
		10-21-87	1130	51	.21	--	78
		11-24-87	0915	34	.61	--	92
		12-23-87	1115	25	.86	--	100
		01-20-88	1215	99	7.1	--	100
		02-17-88	1230	31	1.3	--	97

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
83	06891500	03-16-88	0905	14	0.60	--	55
		04-20-88	1245	71	115	--	98
		05-18-88	0905	68	4.7	--	99
		06-08-88	1300	71	4.8	--	97
		07-13-88	1445	135	350	--	98

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, finer than 0.016 mm (70340)
83	06891500	07-29-88	0530	48	3.1	--	--	--
		08-10-88	1500	44	2.7	--	--	--
		08-31-88	1500	90	58	--	--	--
		10-05-88	1500	24	1.8	--	--	--
		11-09-88	1545	35	1.0	--	--	--
		12-21-88	1515	6	.07	--	--	--
		01-25-89	1600	1,870	81	68	80	98
		02-15-89	1530	6	.10	--	--	--
		03-07-89	1300	9	.10	--	--	--
		03-15-89	1430	39	.49	--	--	--
		04-19-89	1445	74	4.8	--	--	--
		05-17-89	0750	167	11	--	--	--
		05-31-89	1045	92	5.5	--	--	--
		06-14-89	1415	66	3.9	--	--	--
		07-12-89	1510	52	3.5	--	--	--
		08-16-89	1325	58	3.5	--	--	--
		09-13-89	0855	123	16	--	--	--
		10-11-89	1520	59	.29	--	--	--
		11-15-89	1500	51	.48	--	--	--
		12-13-89	1450	5	.04	--	--	--
86	06891850	01-24-90	1415	19	.46	--	--	--
		02-07-90	0730	30	.85	--	--	--
		03-21-90	1535	105	170	--	--	--
		04-25-90	1205	80	1.9	--	--	--
		09-28-87	1045	63	.71	--	--	--
		07-28-88	0615	56	--	--	--	--
		07-28-88	0620	56	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
86	06891850	03-08-89 06-02-89	1200 1250	13 10	0.16 --	-- --	-- --	-- --
87	06892000	09-28-87 09-28-87 07-28-88 11-14-88 11-14-88	1250 1255 0445 1345 1350	76 73 75 32 34	1.3 1.3 .01 .21 .22	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
88	06892350	03-08-89 06-02-89 05-11-87 06-24-87 07-22-87 08-19-87 09-21-87 09-28-87 10-20-87 11-23-87 12-22-87 01-19-88 02-17-88 03-15-88 04-18-88 05-16-88 06-06-88 07-01-88 07-07-88 07-28-88 08-08-88 08-29-88	1415 1530 0955 0940 1340 0945 0930 1500 1000 0900 0915 1515 0920 1245 0945 0945 1200 1030 1330 0610 0945 1045	12 286 567 520 278 396 220 147 100 59 394 137 145 63 97 66 78 1,310 207 47 128 55	.19 7.0 22,500 20,400 6,200 5,830 4,250 2,420 1,010 280 8,340 1,170 1,490 478 699 248 419 44,200 1,640 291 726 169	-- -- -- -- 44 -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- 41 36 50 68 63 -- -- -- -- -- -- -- -- -- --	-- -- -- -- 66 -- -- -- -- -- -- -- -- -- -- -- --

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharge, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
88	06892350	10-03-88	1020	67	217	--	--	--
		11-08-88	1020	41	214	--	--	--
		11-16-88	1510	34	97	--	--	--
		11-16-88	1515	33	94	--	--	--
		12-19-88	0950	15	36	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
83	06891500	07-29-88	--	--	--	--	--
		08-10-88	--	--	--	--	100
		08-31-88	--	--	--	--	97
		10-05-88	--	--	--	--	100
		11-09-88	--	--	--	--	93
		12-21-88	--	--	--	--	92
		01-25-89	--	--	--	--	100
		02-15-89	--	--	--	--	93
		03-07-89	--	--	--	--	--
		03-15-89	--	--	--	--	98
		04-19-89	--	91	--	--	98
		05-17-89	88	--	100	--	79
		05-31-89	--	--	--	--	--
		06-14-89	--	--	--	--	90
		07-12-89	--	--	--	--	100
		08-16-89	--	--	--	--	99
86	06891850	09-13-89	--	--	--	--	99
		10-11-89	--	--	--	--	98
		11-15-89	--	--	--	--	99
		12-13-89	--	--	--	--	100
		01-24-90	--	--	--	--	97
		02-07-90	--	--	--	--	99
		03-21-90	--	--	--	--	92
		04-25-90	--	--	--	--	100
		09-28-87	--	--	--	--	--
		07-28-88	--	--	--	--	--
		07-28-88	--	--	--	--	--
		03-08-89	--	--	--	--	--
		06-02-89	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
87	06892000	09-28-87	--	--	--	--	--
		09-28-87	--	--	--	--	--
		07-28-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		03-08-89	--	--	--	--	--
88	06892350	06-02-89	--	--	--	--	--
		05-11-87	97	100	--	--	87
		06-24-87	77	78	90	95	72
		07-22-87	80	83	92	100	80
		08-19-87	--	--	--	--	96
		09-21-87	--	--	--	--	96
		09-28-87	--	--	--	--	--
		10-20-87	64	73	97	100	58
		11-23-87	--	--	--	--	62
		12-22-87	--	--	--	--	100
		01-19-88	45	65	90	100	35
		02-17-88	--	--	--	--	82
		03-15-88	43	53	100	--	39
		04-18-88	--	--	--	--	96
		05-16-88	--	--	--	--	83
		06-06-88	--	--	--	--	78
		07-01-88	97	97	100	--	95
		07-07-88	--	--	--	--	95
		07-28-88	--	--	--	--	--
		08-08-88	54	54	90	100	54
		08-29-88	--	--	--	--	87

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
88	06892350	10-03-88	--	--	--	--	75
		11-08-88	--	--	--	--	89
		11-16-88	--	--	--	--	--
		11-16-88	--	--	--	--	--
		12-19-88	--	--	--	--	77

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
88	06892350	01-23-89	1140	16	37	--	--	--
		02-21-89	1010	17	41	--	--	--
		03-07-89	1550	14	23	--	--	--
		03-07-89	1555	16	26	--	--	--
		03-07-89	1630	20	33	--	--	--
		03-07-89	1635	14	23	--	--	--
		03-13-89	0925	40	102	--	--	--
		04-18-89	1255	44	104	--	--	--
		05-19-89	0920	106	321	--	--	--
		05-30-89	1905	15	48	--	--	--
		05-30-89	1910	15	48	--	--	--
		06-12-89	0935	106	341	--	--	--
		07-14-89	0855	1,140	21,000	--	--	--
		08-15-89	0915	192	918	--	--	--
		09-07-89	1325	4,030	427,000	50	60	80
90	06892940	09-15-89	0915	675	53,900	--	52	--
		10-05-89	0935	172	1,330	--	--	--
		11-14-89	1035	121	503	--	--	--
		12-11-89	0930	27	173	--	--	--
		01-12-90	0920	62	373	--	--	--
		02-05-90	0930	359	1,620	--	--	--
		03-15-90	1220	2,060	73,400	--	42	--
		04-23-90	1500	59	304	--	--	--
		09-28-87	1250	36	2.1	--	--	--
		07-29-88	0510	10	.27	--	--	--
		07-29-88	0515	11	.29	--	--	--
		11-14-88	1210	9	.58	--	--	--
		11-14-88	1215	12	.78	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Sediment, suspended (mg/L) (80154)	Sediment, discharged, suspended (t/day) (80155)	Sediment, suspended, fall diameter, percent finer than 0.002 mm (70337)	Sediment, suspended, fall diameter, percent finer than 0.004 mm (70338)	Sediment, suspended, fall diameter, percent finer than 0.016 mm (70340)
90	06892940	03-07-89	0925	17	1.3	--	--	--
91	06892950	09-28-87	1115	193	3,470	--	--	--
		07-29-88	0615	219	--	--	--	--
		11-14-88	1000	34	93	--	--	--
		03-07-89	1320	24	71	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
88	06892350	01-23-89	--	--	--	--	91
		02-21-89	--	--	--	--	86
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
		03-07-89	--	--	--	--	--
90	06892940	09-15-89	99	99	100	--	83
		09-15-89	92	96	100	--	99
		10-05-89	--	--	--	100	70
		11-14-89	73	80	98	--	87
		12-11-89	--	--	--	--	57
		01-12-90	--	--	--	--	6
		02-05-90	--	--	--	--	91
		03-15-90	--	--	--	--	90
		04-23-90	--	--	--	--	--
		09-28-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-14-88	--	--	--	--	--
		09-28-87	--	--	--	--	--
		07-29-88	--	--	--	--	--
		11-14-88	--	--	--	--	--

Table 6. Concentrations and particle-size distribution of suspended sediment in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sediment, suspended, fall diameter, percent finer than 0.125 mm (70343)	Sediment, suspended, fall diameter, percent finer than 0.250 mm (70344)	Sediment, suspended, fall diameter, percent finer than 0.500 mm (70345)	Sediment, suspended, fall diameter, percent finer than 1.00 mm (70346)	Sediment, suspended, sieve diameter, percent finer than 0.062 mm (70331)
90	06892940	11-14-88 03-07-89	-- --	-- --	-- --	-- --	-- --
91	06892950	09-28-87 07-29-88 11-14-88 03-07-89	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --

Table 7. Concentrations and particle-size distribution of bed sediment

[Number in parentheses is U.S. Environmental Protection Agency identification code. mm, millimeters; --, not determined]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)	Bed material, sieve diameter, percent finer than 2.00 mm (80169)
1	06879100	10-14-87	1105	21	--	--	--	--	--	--
		10-14-87	1110	21	--	--	--	--	--	--
		10-14-87	1120	22	--	--	--	--	--	--
		10-14-87	1125	23	--	--	--	--	--	--
		04-12-89	1240	25	69	74	79	90	100	--
3	06879650	10-14-87	1400	28	--	--	--	--	--	--
4	390833096332500	10-14-87	1535	17	--	--	--	--	--	--
		10-14-87	1540	16	--	--	--	--	--	--
		10-14-87	1605	18	--	--	--	--	--	--
		10-14-87	1610	18	--	--	--	--	--	--
		04-12-89	0945	14	69	77	84	98	100	--
6	06879900	10-14-87	1200	17	--	--	--	--	--	--
		04-14-89	1150	26	96	98	100	--	--	--
7	405457097071800	10-14-87	0850	27	--	--	--	--	--	--
		04-14-89	1345	40	91	96	98	100	--	--
8	405249098010000	10-15-87	0830	36	--	--	--	--	--	--
		04-10-89	1315	6	15	15	15	27	51	100
9	405221097582100	10-15-87	0910	38	--	--	--	--	--	--
		04-14-89	1000	32	96	99	99	99	99	100
10	405438097354800	10-14-87	1250	19	--	--	--	--	--	--
		04-10-89	1715	39	95	97	98	99	100	--
11	06880000	10-14-87	0920	30	--	--	--	--	--	--
		04-11-89	1015	22	91	96	94	99	100	--

Table 7. Concentrations and particle-size distribution of bed sediment-- Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)	Bed material, sieve diameter, percent finer than 2.00 mm (80169)
13	405220097042500	10-14-87 04-14-89	0810 1415	14 17	-- 71	-- 79	-- 97	-- 100	-- --	-- --
16	403611098200600	10-15-87 04-11-89	1105 1200	15 24	-- 91	-- 95	-- 99	-- 100	-- --	-- --
18	403749097503400	10-15-87 04-11-89	1445 1100	19 18	-- 72	-- 80	-- 93	-- 99	-- 100	-- --
19	404327097354600	10-14-87 04-10-89	1505 1540	19 --	-- 9	-- 9	-- 14	-- 67	-- 100	-- --
20	405108097380600	10-14-87	1405	22	--	--	--	--	--	--
21	405029097322100	10-14-87 04-10-89	1325 1635	30 2	-- 6	-- 6	-- 9	-- 31	-- 69	-- 100
23	06880800	10-14-87 04-11-89	0930 1300	22 9	-- 59	-- 75	-- 95	-- 100	-- --	-- --
25	404007096583000	10-14-87 04-11-89	1045 1645	22 7	-- 41	-- 61	-- 94	-- 100	-- --	-- --
26	06881000	10-14-87 04-11-89	1140 1600	15 2	-- 9	-- 9	-- 27	-- 82	-- 98	-- 100
27	403304097311400	10-15-87 04-11-89	1540 1000	18 --	-- 3	-- 3	-- 29	-- 72	-- 89	-- 100
28	06881200	10-14-87 04-11-89	1215 1415	38 9	-- 26	-- 29	-- 47	-- 80	-- 98	-- 100
29	402348096591100	10-14-87 04-11-89	1300 1510	21 --	-- 3	-- 3	-- 19	-- 63	-- 94	-- 100

Table 7. Concentrations and particle-size distribution of bed sediment-- Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)	Bed material, sieve diameter, percent finer than 2.00 mm (80169)
30	401823096480700	10-14-87 04-10-89	1415 1530	22 14	-- 83	-- 90	-- 95	-- 100	-- --	-- --
33	401425096412200	10-14-87 04-10-89	1520 1445	17 20	-- 92	-- 98	-- 100	-- --	-- --	-- --
34	400632096401600	10-14-87 04-10-89	1630 1400	30 16	-- 83	-- 92	-- 100	-- --	-- --	-- --
35	06882000	11-12-86 12-03-86 10-15-87 04-10-89	1505 1055 0900 1320	18 16 21 4	92 84 -- 16	100 100 -- 26	-- -- 65	-- -- 92	-- -- 97	-- -- -- 100
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87 04-11-89	1605 1610 1620 1625 1245	20 21 18 22 43	-- -- -- -- 81	-- -- -- -- 89	-- -- -- -- 95	-- -- -- -- 99	-- -- -- -- 100	-- -- -- -- --
38	06883000	10-15-87 04-11-89	1250 1320	12 12	-- 50	-- 55	-- 63	-- 91	-- 100	-- --
40	06883570	10-15-87 04-11-89	1200 1520	30 11	-- 57	-- 74	-- 90	-- 100	-- --	-- --
41	401826097451100	10-15-87	1345	10	--	--	--	--	--	--
42	06883940	10-15-87 04-11-89	1510 1545	23 --	-- 1	-- 1	-- 8	-- 63	-- 92	-- 100
43	400940097122000	10-15-87 04-10-89	1315 1020	21 8	-- 33	-- 38	-- 44	-- 59	-- 94	-- 100

Table 7. Concentrations and particle-size distribution of bed sediment-- Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)	Bed material, sieve diameter, percent finer than 2.00 mm (80169)
45	400519097080700	10-15-87 04-10-89	1130 1100	22 7	-- 22	-- 25	-- 40	-- 80	-- 98	-- 100
46	400359097101400	10-15-87 04-10-89	1100 1130	31 27	-- 83	-- 94	-- 100	-- --	-- --	-- --
47	06884025	11-12-86 10-15-87 04-10-89	1100 1000 1230	12 20 9	92 -- 32	100 -- 33	-- -- 42	-- -- 70	-- -- 95	-- -- 100
49	06884400	10-14-87 10-14-87 04-11-89	1730 1735 1340	35 36 20	-- -- 79	-- -- 86	-- -- 90	-- -- 93	-- -- 100	-- -- --
50	06885500	11-13-86 10-14-87 10-14-87 04-11-89 04-11-89	0830 1150 1200 1000 1100	21 26 27 28 27	96 -- -- 90 90	100 -- -- 95 91	-- -- -- 99 94	-- -- -- 100 98	-- -- -- 100 100	-- -- -- -- --
51	06886500	10-15-87 04-11-89	1030 1445	35 36	-- 86	-- 91	-- 96	-- 97	-- 100	-- --
52	06887000	10-14-87 04-11-89	1715 1610	28 9	-- 45	-- 52	-- 68	-- 88	-- 100	-- --
53	391002096300100	04-12-89	0900	11	39	55	73	85	100	--
54	391109096251000	10-15-87 04-12-89	0845 0800	21 2	-- 11	-- 11	-- 13	-- 60	-- 95	-- --
56	06888030	10-15-87 04-13-89	1515 1115	33 19	-- 50	-- 52	-- 56	-- 72	-- 100	-- --

Table 7. Concentrations and particle-size distribution of bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)
57	06888300	10-15-87 04-13-89	1345 1300	31 12	-- 50	-- 59	-- 66	-- 89	-- 100
58	06888350	10-15-87 04-13-89	1200 0945	17 16	-- 62	-- 66	-- 67	-- 87	-- 100
59	06888500	10-15-87 04-13-89	1030 0920	43 21	-- 76	-- 84	-- 91	-- 98	-- 100
60	390820095571500	10-15-87 04-13-89	1430 1100	33 20	-- 74	-- 78	-- 82	-- 94	-- 100
61	06888705	10-15-87 04-13-89	1530 1020	19 2	-- 8	-- 8	-- 13	-- 76	-- 99
62	06889000	10-13-87 10-13-87 04-12-89	0830 0900 0845	25 25 22	-- -- 85	-- -- 95	-- -- 99	-- -- 100	-- -- --
64	06889500	10-13-87 10-13-87 04-12-89 04-12-89	1100 1115 1300 1400	37 37 14 14	-- -- 31 30	-- -- 31 30	-- -- 31 31	-- -- 64 90	-- -- 100 100
65	390545095394600	10-13-87 04-12-89	1330 1115	33 5	-- 10	-- 10	-- 17	-- 60	-- 98
68	06889635	11-14-86 11-14-86	1015 1016	28 27	94 94	100 100	-- --	-- --	-- --
69	390316095364600	10-13-87 04-12-89 04-12-89	1630 1630 1730	34 30 24	-- 84 88	-- 95 95	-- 98 98	-- 100 100	-- -- --

Table 7. Concentrations and particle-size distribution of bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)
70	390334095354300	10-13-87	1435	19	--	--	--	--	--
		10-13-87	1440	21	--	--	--	--	--
		10-13-87	1505	22	--	--	--	--	--
		10-13-87	1510	21	--	--	--	--	--
		04-12-89	1000	13	62	77	98	100	--
72	06890100	11-10-86	1320	17	92	99	99	100	--
		10-16-87	1020	33	--	--	--	--	--
		10-16-87	1025	33	--	--	--	--	--
		04-11-89	0945	6	16	18	38	80	96
		04-11-89	1045	4	13	13	35	78	98
74	06890900	04-11-89	1145	5	14	14	37	80	97
		04-11-89	1245	5	14	14	36	76	98
76	06891000	10-16-87	1515	52	--	72	--	--	--
		04-12-89	0900	21	56	--	88	99	100
77	06891080	10-17-87	0905	19	--	--	--	--	--
		04-12-89	0830	16	46	65	90	96	100
78	06891100	10-16-87	1430	42	--	45	--	--	--
		04-12-89	1000	12	39	--	72	89	98
79	385329095353400	10-16-87	1300	23	--	--	--	--	--
		04-12-89	1100	12	30	33	40	66	95
83	06891500	10-16-87	0930	30	--	--	--	--	--
		04-11-89	1545	10	43	51	60	75	100
83	06891500	11-07-86	0805	24	90	100	--	--	--
		11-07-86	0806	27	93	100	--	--	--
		10-16-87	1515	33	--	--	--	--	--
		04-11-89	1745	15	46	50	55	70	100

Table 7. Concentrations and particle-size distribution of bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Bed material, fall diameter, percent finer than 0.004 mm (80157)	Bed material, fall diameter, percent finer than 0.062 mm (80158)	Bed material, fall diameter, percent finer than 0.125 mm (80159)	Bed material, fall diameter, percent finer than 0.250 mm (80160)	Bed material, fall diameter, percent finer than 0.500 mm (80161)	Bed material, fall diameter, percent finer than 1.00 mm (80162)
87	06892000	11-10-86	0840	21	96	100	--	--	--
		10-16-87	1300	35	--	--	--	--	--
		04-11-89	1315	8	36	38	45	73	99
88	06892350	11-07-86	1315	7	77	100	--	--	--
		10-16-87	1105	34	--	--	--	--	--
		10-16-87	1110	34	--	--	--	--	--
		10-16-87	1120	27	--	--	--	--	--
		10-16-87	1125	25	--	--	--	--	--
89	06892500	04-11-89	0900	7	18	18	18	36	90
		04-11-89	1000	14	37	39	39	56	100
		10-13-87	1530	28	--	--	--	--	--
90	06892940	04-11-89	1030	16	72	78	80	91	100
		10-13-87	1215	32	100	--	--	--	--
		04-11-89	1130	9	45	57	70	88	100
		04-11-89	1230	10	45	56	66	83	100
		04-11-89	1330	10	43	54	64	81	100
91	06892950	04-11-89	1430	10	44	54	65	83	100
		10-13-87	0930	44	--	--	--	--	--
		04-11-89	1400	27	91	98	100	--	--

Table 8. Concentrations of nutrients in water

[Number in parentheses is U.S. Environmental Protection Agency identification code.
mg/L, milligrams per liter; --, not determined; <, less than]

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
1	06879100	05-14-87	1120	0.91	0.06	0.97	0.18	--	1.2
		06-03-87	1145	.97	.02	.99	.05	--	1.0
		06-22-87	1445	.88	.02	.90	.09	--	2.3
		07-21-87	0930	--	<.01	.62	.04	--	2.1
		08-18-87	1045	--	<.01	1.2	.03	--	1.1
		09-21-87	1000	--	<.01	.71	<.01	--	.4
		09-29-87	1000	.43	.01	.44	.07	0.93	<.2
		10-20-87	1100	.60	.01	.61	.04	--	.9
		11-23-87	1045	.54	.01	.55	.03	--	.7
		12-21-87	1100	--	<.01	.87	.19	--	.8
		01-22-88	1005	1.2	.01	1.2	.24	--	1.0
		02-16-88	1030	1.1	.01	1.1	.23	--	.8
		03-14-88	1030	.56	.01	.57	.05	--	.7
		04-20-88	1120	--	<.01	<.10	.04	--	.9
		05-17-88	1230	--	--	--	--	--	.4
		06-09-88	1200	--	<.01	<.10	.02	--	.6
		07-06-88	0855	.89	.10	.99	.05	--	.5
		07-27-88	1300	--	<.01	<.10	.06	.34	1.3
		08-11-88	0940	--	.02	<.10	.06	--	1.0
		09-02-88	0920	--	.01	<.10	.01	--	1.1
		10-07-88	1230	--	<.01	.21	.02	--	.6
		11-04-88	1315	--	<.01	<.10	.10	--	.9
		11-15-88	1205	--	<.01	<.10	.05	.55	1.3
		12-16-88	0910	.19	.02	.21	.07	--	.6
		01-27-89	1015	.48	.03	.51	.05	--	1.0
		02-17-89	1210	.44	.03	.47	.08	--	.8
		03-08-89	1000	.18	.02	.20	.03	.47	.9
		03-17-89	1000	--	.02	<.10	.03	--	.9
		04-24-89	1035	--	<.01	<.10	.03	--	1.1
		05-16-89	0815	--	<.01	<.10	.04	--	.5
		05-25-89	1100	.82	.11	.93	.48	--	2.8
		06-01-89	1010	--	<.01	<.10	.04	.56	.8
		06-15-89	1005	.85	.15	1.0	.14	--	.6
		07-11-89	0830	1.4	.03	1.4	.05	--	.6
		08-18-89	0835	.30	.03	.33	.02	--	.7
		09-11-89	1045	.81	.01	.82	.04	--	2.8
		10-02-89	1030	--	<.01	.45	.03	--	.9
		11-17-89	0900	--	<.01	.29	.04	--	.7
		12-19-89	1115	--	<.01	.75	.07	--	.3
		01-10-90	1420	.63	.01	.64	.31	--	.7
		02-09-90	0910	.47	.01	.48	.05	--	.8
		03-23-90	1040	.57	.03	.60	.07	--	.8
		04-27-90	1200	--	<.01	<.10	<.01	--	.8
2	390255096435000	09-29-87	1200	--	<.01	<.10	.04	.36	1.2
		07-27-88	1150	--	<.01	<.10	.04	.16	.4

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
2	390255096435000	11-15-88	1050	--	<0.01	<0.10	0.06	0.44	0.6
		03-08-89	1140	--	<.01	<.10	.02	.48	.5
		06-01-89	0830	--	<.01	<.10	.02	.48	.7
3	06879650	05-20-87	1025	0.67	.02	.69	.04	--	.5
		05-27-87	0950	.13	.03	.16	.10	--	.8
		06-22-87	1040	--	<.01	.36	.04	--	.4
		07-21-87	1145	--	<.01	<.10	.04	--	<.2
		01-19-88	1110	--	<.01	<.10	.02	--	<.2
		02-16-88	1400	--	<.01	<.10	.03	--	.2
		03-14-88	1500	--	<.01	<.10	.04	--	.6
		04-18-88	1535	--	<.01	<.10	.01	--	<.2
		05-17-88	1015	--	<.01	<.10	.03	--	.2
		06-09-88	1300	--	<.01	<.10	.01	--	<.2
		09-08-89	2150	--	--	--	--	--	2.1
		09-08-89	2205	--	--	--	--	--	7.2
		09-08-89	2250	--	--	--	--	--	2.2
		09-09-89	0020	--	--	--	--	--	1.0
		09-09-89	0235	--	--	--	--	--	.7

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
1	06879100	05-14-87	--	--	--	0.24	--	0.13
		06-03-87	--	--	--	.34	--	.10
		06-22-87	--	--	--	.49	--	.09
		07-21-87	--	--	--	.45	--	.06
		08-18-87	--	--	--	.40	--	.15
		09-21-87	--	--	--	.15	--	.09
		09-29-87	1.0	--	1.4	.14	0.07	.06
		10-20-87	--	--	--	.11	--	.06
		11-23-87	--	--	--	.12	--	.07
		12-21-87	--	--	--	.15	--	.07
		01-22-88	--	--	--	.21	--	.09
		02-16-88	--	--	--	.20	--	.07
		03-14-88	--	--	--	.10	--	.07
		04-20-88	--	--	--	.12	--	.03
		05-17-88	--	--	--	.03	--	--
		06-09-88	--	--	--	.11	--	.03
		07-06-88	--	--	--	.15	--	.05
		07-27-88	.4	--	--	.16	.05	.04
		08-11-88	--	--	--	.13	--	.02
		09-02-88	--	--	--	.19	--	.26
		10-07-88	--	--	--	.11	--	.04
		11-04-88	--	--	--	.16	--	.07
		11-15-88	.6	--	--	.20	.03	.02
		12-16-88	--	--	--	.13	--	.07
		01-27-89	--	--	--	.15	--	.07
		02-17-89	--	--	--	.20	--	.08
		03-08-89	.5	--	.7	.16	.05	.04
		03-17-89	--	--	--	.12	--	.06
		04-24-89	--	--	--	.25	--	.05
		05-16-89	--	--	--	.22	--	.01
		05-25-89	--	--	--	.38	--	.05
		06-01-89	.6	--	--	.15	.02	<.01
		06-15-89	--	--	--	.07	--	.03
		07-11-89	--	--	--	.19	--	.15
		08-18-89	--	--	--	.28	--	.09
		09-11-89	--	--	--	.36	--	.10
		10-02-89	--	--	--	.23	--	.11
		11-17-89	--	--	--	.20	--	.11
		12-19-89	--	--	--	.13	--	.10
		01-10-90	--	--	--	.17	--	.13
		02-09-90	--	--	--	.23	--	.08
		03-23-90	--	--	--	.21	--	.15
		04-27-90	--	--	--	.13	--	.04
2	390255096435000	09-29-87	.4	--	--	.08	.07	.02
		07-27-88	.2	--	--	.10	.08	.06
		11-15-88	.5	--	--	.09	.06	.04
		03-08-89	.5	--	--	.03	.02	<.01
		06-01-89	.5	--	--	.09	.04	.04

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
3	06879650	05-20-87	--	--	--	0.04	--	<0.01
		05-27-87	--	--	--	.37	--	.04
		06-22-87	--	--	--	.04	--	.03
		07-21-87	--	--	--	.02	--	.01
		01-19-88	--	--	--	.02	--	.02
		02-16-88	--	--	--	.02	--	.02
		03-14-88	--	--	--	.03	--	.02
		04-18-88	--	--	--	.01	--	.01
		05-17-88	--	--	--	.02	--	<.01
		06-09-88	--	--	--	.02	--	<.01
		09-08-89	--	2.4	--	.39	--	--
		09-08-89	--	7.4	--	1.2	--	--
		09-08-89	--	2.3	--	.39	--	--
		09-09-89	--	1.1	--	.15	--	--
		09-09-89	--	.75	--	.08	--	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
3	06879650	09-09-89	0500	--	--	--	--	--	0.7
		09-09-89	0715	--	--	--	--	--	.7
		09-11-89	1520	--	<0.01	<0.10	0.02	--	.3
		10-03-89	0855	--	<.01	.12	.01	--	.4
		11-17-89	1315	--	<.01	<.10	.02	--	<.2
		12-15-89	1305	--	<.01	<.10	.02	--	<.2
		02-13-90	1030	--	<.01	<.10	<.01	--	.2
		03-13-90	2055	--	<.01	<.10	.06	--	35
		03-13-90	2140	--	<.01	.20	.04	--	1.9
		03-13-90	2355	--	<.01	.10	.02	--	.9
		03-20-90	1130	--	<.01	<.10	<.01	--	<.2
		04-27-90	1715	--	<.01	<.10	<.01	--	.2
5	06879820	09-29-87	1515	0.30	.01	.31	.05	0.25	1.1
		07-24-88	1020	.76	.04	.80	.05	.65	1.0
		11-16-88	0850	--	<.01	<.10	.04	.36	1.1
		03-09-89	0930	--	.02	<.10	.02	.38	1.6
		06-02-89	0820	--	<.01	<.10	.02	.58	.7
6	06879900	09-28-87	1250	2.4	.07	2.5	.09	.81	1.7
		07-26-88	0730	.88	.05	.93	.15	.65	2.0
		11-14-88	1200	.92	.02	.94	.20	1.3	2.3
		03-08-89	1015	3.0	.10	3.1	1.2	2.4	3.6
		05-31-89	1445	.37	.10	.47	.13	.67	1.1
9	405221097582100	09-29-87	1045	--	<.01	<.10	.09	1.4	3.6
		07-26-88	0945	.21	.19	.40	2.0	<.01	2.8
		11-15-88	0815	.42	.07	.49	7.2	5.8	22
		03-07-89	1015	2.6	.57	3.2	3.4	<.01	.6
		05-31-89	0930	--	.03	<.10	6.9	<.01	11
10	405438097354800	09-28-87	1150	2.5	.08	2.6	.06	.94	1.3
		07-26-88	0900	--	--	--	--	--	.9
		07-26-88	1300	2.4	.05	2.4	.07	1.4	.5
		07-26-88	1700	2.2	.05	2.3	.04	.96	.3
		07-26-88	2100	2.1	.05	2.2	.08	.82	.9
		07-27-88	0100	2.1	.04	2.1	.07	1.1	.7
		07-27-88	0500	2.1	.04	2.1	.07	1.2	1.5
		07-27-88	0900	2.2	.04	2.2	.09	1.5	.8
		11-14-88	1345	--	<.01	.11	.06	1.3	1.4
		03-07-89	1000	1.6	.05	1.6	3.2	2.0	5.4
		05-31-89	1330	.13	.04	.17	.35	.75	1.0
11	06880000	09-28-87	1350	3.6	.02	3.6	.04	.76	1.3
		07-26-88	0845	2.9	.01	2.9	.05	.45	1.4
		11-14-88	1050	2.8	.04	2.8	.05	.45	.5
		03-08-89	1215	3.0	.10	3.1	.68	1.4	2.6
		05-31-89	1600	2.8	.14	2.9	.19	--	.4
12	06880500	09-28-87	1425	3.0	.03	3.0	.04	.46	1.8
		07-26-88	1000	2.2	.05	2.3	.15	.85	1.9
		07-26-88	1005	2.6	.04	2.6	.14	.46	.6
		07-26-88	1400	2.6	.04	2.6	.05	.35	.7

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
12	06880500	07-26-88	1800	2.4	0.05	2.5	0.06	0.44	0.6
		07-27-88	0200	2.5	.04	2.5	.08	.32	.8
		07-27-88	0600	2.4	.04	2.4	.08	.12	.3
		11-14-88	0845	1.9	.03	1.9	.04	.36	1.5
		03-08-89	1130	3.0	.06	3.1	.58	1.4	2.0
16	403611098200600	09-29-87	1545	--	.02	<.10	12	4.0	--
		07-26-88	0630	.64	.16	.80	.77	7.4	8.4
		11-15-88	1015	.09	.01	.10	18	<.01	21
		03-07-89	1600	.18	.21	.39	15	--	18
		05-30-89	1145	.10	.05	.15	14	--	14

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
3	06879650	09-09-89	--	0.73	--	0.05	--	--
		09-09-89	--	.72	--	.03	--	--
		09-11-89	--	--	--	.02	--	0.02
		10-03-89	--	--	--	.04	--	.01
		11-17-89	--	--	--	.02	--	.02
		12-15-89	--	--	--	.02	--	.02
		02-13-90	--	--	--	.03	--	.02
		03-13-90	--	--	--	.56	--	.05
		03-13-90	--	--	--	.35	--	.05
		03-13-90	--	--	--	.15	--	.03
		03-20-90	--	--	--	<.01	--	<.01
		04-27-90	--	--	--	<.01	--	<.01
5	06879820	09-29-87	0.3	--	0.61	.08	0.05	.04
		07-24-88	.7	--	.15	.32	.16	.14
		11-16-88	.4	--	--	.17	.09	.06
		03-09-89	.4	--	--	.28	.05	.04
		06-02-89	.6	--	--	.14	<.01	<.01
6	06879900	09-28-87	.9	--	3.4	.35	.23	.25
		07-26-88	.8	--	1.7	.42	.19	.17
		11-14-88	1.5	--	2.4	.43	.19	.07
		03-08-89	3.6	--	6.7	.98	.74	.69
		05-31-89	.8	--	1.3	.20	.06	.06
9	405221097582100	09-29-87	1.5	--	--	1.0	.70	.65
		07-26-88	2.0	--	2.4	.51	.32	.28
		11-15-88	13	--	13	4.6	4.2	3.9
		03-07-89	.6	--	3.8	2.2	1.9	1.5
		05-31-89	6.4	--	--	--	--	2.8
10	405438097354800	09-28-87	1.0	--	3.6	.35	.20	.20
		07-26-88	1.8	--	--	.31	.28	--
		07-26-88	1.5	--	3.9	.31	.28	.26
		07-26-88	1.0	--	3.3	.31	.27	.25
		07-26-88	.9	--	3.1	.33	.27	.23
		07-27-88	1.2	--	3.3	.32	.30	.25
		07-27-88	1.3	--	3.4	.34	.27	.23
		07-27-88	1.6	--	3.8	.35	.27	.22
		11-14-88	1.4	--	1.5	.38	.15	.05
		03-07-89	5.2	--	6.8	1.0	.77	.71
		05-31-89	1.1	--	1.3	.58	.52	.47
11	06880000	09-28-87	.8	--	4.4	.39	.32	.32
		07-26-88	.5	--	3.4	.57	.39	.36
		11-14-88	.5	--	3.3	.29	.26	.10
		03-08-89	2.1	--	5.2	.65	.46	.42
		05-31-89	.5	--	--	.37	.36	.38
12	06880500	09-28-87	.5	--	3.5	.41	.32	.31
		07-26-88	1.0	--	3.3	.73	.47	.30
		07-26-88	.6	--	3.2	.52	.32	.32
		07-26-88	.4	--	3.0	.53	.34	.34
		07-26-88	.5	--	3.0	.51	.33	.31

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
12	0688050	07-27-88	0.4	--	2.9	0.43	0.31	0.34
		07-27-88	.2	--	2.6	.40	.30	.26
		11-14-88	.4	--	2.3	.33	.23	.09
		03-08-89	2.0	--	5.1	.58	.42	.38
16	403611098200600	09-29-87	16	--	--	--	6.2	6.0
		07-26-88	8.2	--	9.0	4.4	3.8	3.4
		11-15-88	18	--	18	6.6	6.1	4.2
		03-07-89	--	--	--	5.9	5.4	4.6
		05-30-89	--	--	--	--	--	4.9

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
17	404247097580600	09-29-87	1215	5.4	0.12	5.5	0.06	1.3	1.7
		07-25-88	1230	1.9	.03	1.9	.02	.48	1.5
		07-26-88	1300	2.9	.06	3.0	.07	.43	.8
		07-26-88	1700	2.4	.05	2.5	.04	.46	.7
		07-26-88	2100	2.9	.07	3.0	.05	.75	.8
		07-27-88	0100	3.0	.07	3.1	.06	.54	.6
		07-27-88	0500	2.6	.07	2.7	.07	.33	.5
		07-27-88	0900	2.7	.06	2.8	.06	.24	.8
		07-27-88	1300	2.4	.05	2.5	.06	.44	.5
		11-15-88	1130	6.2	.20	6.4	4.9	.30	6.3
		03-07-89	1300	.99	.01	1.0	11	<.01	11
18	403749097503400	09-29-87	1315	.43	.04	.47	.15	.15	.8
		07-25-88	1130	1.1	.22	1.3	.29	.71	1.1
		11-15-88	1230	4.7	.18	4.9	.23	.97	1.2
		03-07-89	1445	14	.20	14	1.5	3.0	4.5
		05-30-89	1445	2.3	1.0	3.3	3.3	1.0	3.8
19	404327097354600	09-29-87	1030	2.1	.02	2.1	.04	.46	.8
		07-25-88	1200	--	--	--	--	--	1.7
		11-15-88	1300	2.8	.10	2.9	.05	1.0	1.0
		03-07-89	1245	2.5	.02	2.5	4.2	1.1	5.3
		05-31-89	1100	3.8	.57	4.4	.47	--	--
21	405029097322100	09-28-87	1030	9.8	.19	10	.06	1.5	1.9
		07-26-88	1010	--	--	--	--	--	2.1
		11-14-88	1425	8.4	.10	8.5	<.01	--	2.1
		03-07-89	1145	9.8	.18	10	.80	<.01	.8
		05-31-89	1245	2.4	.32	2.7	.55	1.0	1.6
23	06880800	05-13-87	0930	2.5	.07	2.6	.05	--	2.6
		05-15-87	0855	2.5	.04	2.5	.05	--	1.3
		05-19-87	1330	2.4	.01	2.4	.05	--	1.1
		05-21-87	0915	2.3	.01	2.3	.08	--	1.2
		05-27-87	1400	4.5	.09	4.6	.28	--	3.9
		05-29-87	1130	3.5	.16	3.7	.27	--	--
		06-03-87	0945	2.4	.05	2.4	.11	--	--
		06-05-87	1000	2.7	.04	2.7	.07	--	--
		06-08-87	1045	3.0	.03	3.0	.16	--	1.4
		06-09-87	1000	1.8	.07	1.9	.35	--	3.2
		06-10-87	1100	2.2	.04	2.2	.08	--	9.1
		06-11-87	1030	3.1	.07	3.2	.17	--	3.8
		06-16-87	1030	2.9	.02	2.9	.08	--	1.5
		06-18-87	1030	1.7	.04	1.7	.19	--	4.3
		07-15-87	1100	2.8	.01	2.8	.09	--	1.0
		08-11-87	1000	2.2	.01	2.2	.04	--	1.2
		09-09-87	1030	--	<.01	1.4	.01	--	1.3
		09-29-87	1545	2.3	.02	2.3	.06	.34	.7
		10-05-87	1120	2.2	.02	2.2	.04	--	.7
		11-03-87	1000	1.7	.02	1.7	.03	--	.3

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia+ organic, total (mg/L as N) (00625)
23	06880800	12-01-87	1000	3.0	0.02	3.0	0.10	--	0.4
		01-26-88	1030	3.1	.03	3.1	.64	--	1.2
		02-22-88	1100	2.5	.04	2.5	.92	--	1.6
		03-21-88	1100	2.6	.04	2.6	.11	--	.6
		04-18-88	1020	--	<.01	.26	.02	--	.7
		05-24-88	1130	--	--	--	--	--	1.2
		06-20-88	1030	1.4	.03	1.4	.12	--	.2
		07-18-88	1000	2.8	.04	2.8	<.01	--	1.3
		07-25-88	1245	2.3	.02	2.3	.06	0.44	1.5
		08-08-88	1115	2.5	.04	2.5	.04	--	1.3
		08-31-88	1400	1.9	.01	1.9	.04	--	1.2
		10-12-88	1230	1.8	.05	1.9	.12	--	1.0
		11-07-88	1200	2.0	.03	2.0	.04	--	.5
		11-15-88	1420	2.0	.03	2.0	.07	.43	.5
		12-06-88	1000	2.6	.03	2.6	.06	--	.6

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
17	404247097580600	09-29-87	1.4	--	6.9	3.3	2.7	2.6
		07-25-88	.5	--	2.4	.93	.75	.71
		07-26-88	.5	--	3.5	1.2	1.1	1.1
		07-26-88	.5	--	3.0	1.1	.95	.92
		07-26-88	.8	--	3.8	1.2	1.0	.98
		07-27-88	.6	--	3.7	1.3	1.0	.99
		07-27-88	.4	--	3.1	1.3	1.1	1.0
		07-27-88	.3	--	3.1	1.3	1.2	1.0
		07-27-88	.5	--	3.0	1.3	1.1	1.0
		11-15-88	5.2	--	12	5.2	4.4	4.1
		03-07-89	11	--	12	3.3	3.3	3.3
18	403749097503400	09-29-87	.3	--	.77	1.1	--	1.1
		07-25-88	1.0	--	2.3	.79	.77	.73
		11-15-88	1.2	--	6.1	4.6	4.6	4.0
		03-07-89	4.5	--	18	5.3	4.2	4.4
		05-30-89	4.3	--	7.6	3.7	3.1	2.8
19	404327097354600	09-29-87	.5	--	2.6	.67	.53	.54
		07-25-88	1.2	--	--	.66	.58	--
		11-15-88	1.1	--	4.0	1.1	1.0	.96
		03-07-89	5.3	--	7.8	1.7	1.6	1.3
		05-31-89	--	--	--	1.0	.86	.88
21	405029097322100	09-28-87	1.6	--	12	3.5	3.5	2.9
		07-26-88	1.6	--	--	1.6	1.5	--
		11-14-88	1.4	--	9.9	3.6	3.3	3.1
		03-07-89	.8	--	11	3.9	3.5	3.5
		05-31-89	1.6	--	4.3	3.6	3.1	2.5
23	06880800	05-13-87	--	--	--	.99	--	.39
		05-15-87	--	--	--	1.6	--	.37
		05-19-87	--	--	--	.61	--	.35
		05-21-87	--	--	--	.63	--	.36
		05-27-87	--	--	--	1.4	--	.36
		05-29-87	--	--	--	--	--	.36
		06-03-87	--	--	--	3.1	--	.21
		06-05-87	--	--	--	--	--	.25
		06-08-87	--	--	--	.64	--	.34
		06-09-87	--	--	--	2.9	--	.14
		06-10-87	--	--	--	2.0	--	.18
		06-11-87	--	--	--	1.0	--	.24
		06-16-87	--	--	--	.68	--	.37
		06-18-87	--	--	--	.79	--	.20
		07-15-87	--	--	--	.82	--	.39
		08-11-87	--	--	--	.77	--	.40
		09-09-87	--	2.7	--	.39	--	.28
		09-29-87	.4	--	2.7	.48	.42	.42
		10-05-87	--	--	--	.40	--	.34
		11-03-87	--	--	--	.66	--	.42

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
23	06880800	12-01-87	--	--	--	0.64	--	0.52
		01-26-88	--	--	--	.62	--	.52
		02-22-88	--	--	--	.80	--	.54
		03-21-88	--	--	--	.51	--	.37
		04-18-88	--	--	--	.49	--	.04
		05-24-88	--	--	--	.77	--	--
		06-20-88	--	--	--	.68	--	.39
		07-18-88	--	--	--	.63	--	.50
		07-25-88	0.5	--	2.8	.67	0.52	.50
		08-08-88	--	--	--	.74	--	.49
		08-31-88	--	--	--	.62	--	.42
		10-12-88	--	--	--	.55	--	.50
		11-07-88	--	--	--	.45	--	.35
		11-15-88	.5	--	2.5	.56	.44	.41
		12-06-88	--	--	--	.57	--	.48

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
23	06880800	01-03-89	1130	2.2	0.03	2.2	0.53	--
		02-07-89	1000	2.2	.03	2.2	.61	--
		03-07-89	1400	2.8	.03	2.8	1.1	--
		03-08-89	1345	2.4	.05	2.5	.85	<.01
		04-04-89	0955	1.6	.02	1.6	.01	--
		05-02-89	0830	1.6	.03	1.6	.04	--
		05-31-89	1430	2.5	.12	2.6	.11	.49
		06-21-89	1020	2.4	.05	2.5	.15	--
		06-27-89	1030	4.1	.13	4.2	.42	--
		06-28-89	1200	4.0	.16	4.2	.31	--
		06-29-89	1130	3.9	.19	4.1	.31	--
		06-30-89	0915	3.1	.29	3.4	.29	--
		08-22-89	1010	1.9	.02	1.9	.05	--
		09-05-89	1030	1.3	.03	1.3	.17	--
		10-31-89	1330	.83	.01	.84	.02	--
		11-28-89	1000	2.0	.02	2.0	.02	--
		12-18-89	1135	3.1	.02	3.1	.47	--
		01-17-90	1130	2.8	.05	2.8	.75	--
		02-12-90	1400	2.8	.05	2.8	.26	--
		03-26-90	1000	2.3	.04	2.3	.07	--
		04-17-90	1545	1.7	.02	1.7	.01	--
26	06881000	09-29-87	1430	2.8	.03	2.8	.10	.60
		07-25-88	1030	1.6	.03	1.6	.09	.41
		11-14-88	1530	1.6	.03	1.6	.21	--
		03-08-89	1500	2.6	.06	2.7	.83	1.4
		05-31-89	1300	2.1	.06	2.2	.04	.66
27	403304097311400	09-29-87	1145	1.2	.04	1.2	.07	1.0
		07-25-88	1325	--	--	--	--	--
		11-15-88	1110	.91	.02	.93	.07	1.1
		03-07-89	1345	3.2	.05	3.2	.92	<.01
		05-30-89	1445	.29	.12	.41	.24	.96
28	06881200	09-29-87	1320	.91	.01	.92	.08	.42
		07-25-88	0600	1.9	.06	2.0	.06	--
		11-14-88	1445	--	<.01	.64	.04	.16
		03-07-89	0855	1.6	.04	1.6	.33	<.01
		05-31-89	1215	.56	.03	.59	.06	.74
29	402348096591100	09-28-87	1620	2.2	.02	2.2	.03	.77
		07-25-88	0630	1.7	.03	1.7	.02	.58
		11-14-88	1200	1.9	.02	1.9	.03	.67
		03-07-89	1240	2.0	.03	2.0	.27	.13
		05-31-89	1100	1.3	.06	1.4	.04	.36
31	401730096500200	09-28-87	1445	2.0	.05	2.0	.04	1.3
		07-25-88	1330	1.1	.06	1.2	.06	.44
		07-25-88	1335	1.1	.07	1.2	.06	.84
		07-25-88	1730	1.1	.06	1.2	.06	.84
		07-25-88	2100	1.2	.05	1.2	.06	.84

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
31	401730096500200	07-26-88	0200	1.2	0.05	1.3	0.11	2.5
		07-26-88	0510	1.2	.05	1.2	.10	1.2
		07-26-88	0915	1.1	.06	1.2	.09	1.2
		11-14-88	1045	.22	.01	.23	.06	1.1
		03-08-89	0900	1.6	.06	1.7	1.1	2.0
		05-30-89	1630	.25	.09	.34	.28	.72
32	06881500	09-28-87	1315	2.6	.02	2.6	.04	.96
		07-25-88	1330	3.0	.03	3.0	.06	.94
		07-25-88	1700	2.9	.02	2.9	.05	.65
		07-25-88	2100	2.9	.03	2.9	.05	1.2
		07-26-88	0115	2.8	.03	2.8	.09	1.1

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
23	06880800	01-03-89	1.1	--	--	0.74	--	0.65
		02-07-89	1.0	--	--	.64	--	.56
		03-07-89	1.6	--	--	.79	--	.73
		03-08-89	1.7	0.7	3.2	.80	0.62	.61
		04-04-89	.4	--	--	.47	--	.35
		05-02-89	.3	--	--	.45	--	.34
		05-31-89	1.1	.6	3.2	.63	.54	.52
		06-21-89	.9	--	--	1.1	--	.62
		06-27-89	2.3	--	--	.66	--	.39
		06-28-89	2.2	--	--	.64	--	.40
		06-29-89	2.3	--	--	.66	--	.31
		06-30-89	2.0	--	--	.70	--	.37
		08-22-89	1.0	--	--	.64	--	.40
		09-05-89	1.9	--	--	.59	--	.28
		10-31-89	.7	--	--	.43	--	.32
		11-28-89	.7	--	--	.51	--	.37
		12-18-89	.7	--	--	.60	--	.36
		01-17-90	1.4	--	--	.71	--	.63
		02-12-90	.5	--	--	.62	--	.55
		03-26-90	.6	--	--	.62	--	.51
		04-17-90	.9	--	--	.47	--	.37
26	06881000	09-29-87	1.0	.7	3.5	.51	.46	.46
		07-25-88	2.0	.5	2.1	.66	.47	.43
		11-14-88	.7	<.2	--	.54	.42	.37
		03-08-89	2.2	2.2	4.9	.74	.57	.55
		05-31-89	1.7	.7	2.9	.44	.35	.32
27	403304097311400	09-29-87	2.0	1.1	2.3	.55	.42	.40
		07-25-88	2.4	2.4	--	1.0	.88	--
		11-15-88	2.4	1.2	2.1	.85	.59	.55
		03-07-89	.2	.2	3.4	1.6	1.5	1.3
		05-30-89	1.5	1.2	1.6	.74	.55	.50
28	06881200	09-29-87	1.0	.5	1.4	.47	.40	.40
		07-25-88	.7	--	--	.50	.35	.33
		11-14-88	.7	.2	.84	.50	.41	.39
		03-07-89	.4	.3	1.9	.54	.44	.37
		05-31-89	1.5	.8	1.4	.34	.25	.22
29	402348096591100	09-28-87	.8	.8	3.0	.28	.28	--
		07-25-88	1.1	.6	2.3	.35	.22	.22
		11-14-88	.7	.7	2.6	.31	.25	.22
		03-07-89	.8	.4	2.4	.40	.26	.24
		05-31-89	.6	.4	1.8	.40	.26	.24
31	401730096500200	09-28-87	1.5	1.3	3.3	.52	.53	--
		07-25-88	1.6	.5	1.7	1.5	.55	.50
		07-25-88	1.3	.9	2.1	.61	.54	.48
		07-25-88	1.6	.9	2.1	.67	.54	.49
		07-25-88	1.2	.9	2.1	.63	.53	.48

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
31	401730096500200	07-26-88	2.4	2.6	3.9	0.61	0.55	0.48
		07-26-88	1.3	1.3	2.5	.66	.53	.52
		07-26-88	1.6	1.3	2.5	.76	.53	.50
		11-14-88	.7	1.2	1.4	.68	.61	.55
		03-08-89	3.1	3.1	4.8	.61	.48	.41
		05-30-89	.9	1.0	1.3	.92	.80	.77
32	06881500	09-28-87	2.2	1.0	3.6	.55		
		07-25-88	1.0	1.0	4.0	.70	.61	.59
		07-25-88	1.2	.7	3.6	.67	.60	.59
		07-25-88	1.6	1.2	4.1	.85	.60	.60
		07-26-88	1.7	1.2	4.0	.77	.60	.55

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
32	06881500	07-26-88	0950	2.8	0.03	2.8	0.05	0.85
		07-27-88	0510	2.2	.02	2.2	.06	.24
		11-14-88	0900	2.7	.08	2.8	.06	.64
		11-14-88	0905	2.6	.08	2.7	.09	.91
		11-14-88	1300	2.6	.08	2.7	.04	.56
		11-14-88	1305	2.7	.08	2.8	.04	.46
		11-14-88	1700	2.6	.08	2.7	.05	.65
		11-14-88	1705	2.6	.08	2.7	.05	.65
		11-14-88	2100	2.6	.07	2.7	.06	1.0
		11-14-88	2105	2.6	.07	2.7	.07	.43
		11-15-88	0100	2.7	.07	2.8	.08	.82
		11-15-88	0105	2.6	.07	2.7	.08	.72
		11-15-88	0500	2.7	.07	2.8	.12	.88
		11-15-88	0505	2.9	.07	3.0	.13	.77
		11-15-88	0900	2.6	.07	2.7	.11	.39
		11-15-88	0905	2.7	.07	2.8	.11	.79
		03-07-89	1000	3.2	.06	3.3	.61	.89
		03-07-89	1005	3.1	.06	3.2	.61	.49
		03-07-89	1400	3.1	.06	3.2	.63	1.2
		03-07-89	1405	3.2	.06	3.3	.68	1.5
		03-07-89	1800	3.2	.06	3.3	.64	.56
		03-07-89	1805	3.3	.06	3.4	.65	1.4
		03-07-89	2200	3.2	.06	3.3	.67	1.2
		03-07-89	2205	3.1	.06	3.2	.66	1.4
		03-08-89	0200	3.0	.06	3.1	.90	1.0
		03-08-89	0205	3.0	.06	3.1	.90	.20
		03-08-89	0600	3.2	.05	3.2	.81	1.1
		03-08-89	0605	3.4	.05	3.4	.79	1.0
		03-08-89	1000	3.4	.05	3.4	1.1	.70
		03-08-89	1005	3.4	.05	3.4	.72	1.3
		05-30-89	1000	1.3	.06	1.4	.03	.47
		05-30-89	1005	1.6	.08	1.7	.02	.58
		05-30-89	1500	1.4	.07	1.5	.02	.48
		05-30-89	1505	1.4	.07	1.5	.06	1.0
		05-30-89	1800	1.7	.09	1.8	.02	.88
		05-30-89	1810	1.7	.09	1.8	.03	1.2
		05-30-89	2200	1.8	.09	1.9	.04	.46
		05-30-89	2205	1.8	.09	1.9	.03	.57
		05-31-89	0200	1.8	.09	1.9	.03	.47
		05-31-89	0210	1.8	.09	1.9	.02	.48
		05-31-89	0600	1.3	.07	1.4	.02	.28
		05-31-89	0610	1.8	.09	1.9	.03	.67
		05-31-89	1000	1.7	.09	1.8	.04	.76
		05-31-89	1005	1.8	.09	1.9	.04	.86
34	400632096401600	09-28-87	1215	1.4	.02	1.4	.06	.94
		07-25-88	0650	--	<.01	1.6	.06	1.0
		07-26-88	0915	--	<.01	1.4	.02	.58
		07-26-88	1045	--	<.01	1.4	.06	.64
		07-26-88	1445	--	<.01	1.3	.06	.44

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
34	400632096401600	07-26-88	1450	--	<0.01	1.3	0.05	0.65
		07-26-88	1845	--	<.01	1.3	.05	.85
		07-26-88	2230	--	<.01	1.2	.04	.76
		07-27-88	0230	--	<.01	1.3	.04	.66
		07-27-88	0635	1.3	.01	1.3	.07	.63
		11-14-88	1020	--	<.01	.35	.11	.69
		03-07-89	1520	.40	.01	.41	.09	.21
		05-30-89	1345	--	<.01	<.10	.08	.52
35	06882000	05-12-87	1100	2.6	.05	2.7	.01	--
		05-19-87	1115	2.4	.02	2.4	.02	--
		06-02-87	1230	3.4	.08	3.5	.03	--
		06-10-87	1300	3.4	.07	3.5	.04	--
		06-16-87	1000	3.2	.01	3.2	.07	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
32	06881500	07-26-88	0.7	0.9	3.7	0.75	0.60	0.57
		07-27-88	.3	.3	2.5	.68	.59	.54
		11-14-88	1.2	.7	3.5	.74	.60	.56
		11-14-88	1.6	1.0	3.7	.68	.57	.53
		11-14-88	1.1	.6	3.3	.73	.58	.55
		11-14-88	1.1	.5	3.3	.65	.58	.56
		11-14-88	1.1	.7	3.4	.74	.59	.57
		11-14-88	.9	.7	3.4	.64	.58	.55
		11-14-88	1.3	1.1	3.8	.68	.58	.55
		11-14-88	1.2	.5	3.2	.72	.58	.55
		11-15-88	1.0	.9	3.7	.72	.59	.55
		11-15-88	1.4	.8	3.5	.72	.58	.54
		11-15-88	1.0	1.0	3.8	.64	.59	.56
		11-15-88	1.1	.9	3.9	.73	.60	.56
		11-15-88	1.3	.5	3.2	.71	.57	.55
		11-15-88	1.1	.9	3.7	.67	.58	.55
		03-07-89	1.8	1.5	4.8	.76	.59	.57
		03-07-89	2.1	1.1	4.3	.75	.59	.56
		03-07-89	1.8	1.8	5.0	.75	.60	.56
		03-07-89	2.2	2.2	5.5	.70	.59	.57
		03-07-89	1.9	1.2	4.5	.67	.61	.57
		03-07-89	2.4	2.1	5.5	.75	.60	.54
		03-07-89	2.1	1.9	5.2	.99	.72	.70
		03-07-89	2.2	2.1	5.3	.97	.79	.77
		03-08-89	2.3	1.9	5.0	.84	.67	.63
		03-08-89	2.2	1.1	4.2	.84	.67	.63
		03-08-89	2.2	1.9	5.1	.73	.65	.62
		03-08-89	2.1	1.8	5.2	.80	.66	.61
		03-08-89	2.2	1.8	5.2	.82	.67	.63
		03-08-89	2.0	2.0	5.4	.81	.74	.63
		05-30-89	2.2	.5	1.9	.63	.36	.35
		05-30-89	3.0	.6	2.3	.56	.41	.39
		05-30-89	2.1	.5	2.0	.53	.38	.36
		05-30-89	2.7	1.1	2.6	.53	.39	.36
		05-30-89	2.2	.9	2.7	.52	.38	.37
		05-30-89	2.5	1.2	3.0	.52	.38	.37
		05-30-89	2.4	.5	2.4	.53	.39	.37
		05-30-89	2.9	.6	2.5	.74	.41	.38
		05-31-89	1.5	.5	2.4	.52	.40	.38
		05-31-89	.5	.5	2.4	.62	.40	.37
		05-31-89	.6	.3	1.7	.48	.37	.35
		05-31-89	.7	.7	2.6	.53	.39	.38
		05-31-89	.9	.8	2.6	.53	.40	.38
		05-31-89	.7	.9	2.8	.52	.40	.38
34	400632096401600	09-28-87	--	1.0	2.4	.22	.23	.15
		07-25-88	1.6	1.1	2.7	.33	.21	.20
		07-26-88	1.2	.6	2.0	.27	.19	.18
		07-26-88	1.3	.7	2.1	.25	.20	.17
		07-26-88	1.0	.5	1.8	.30	.20	.16

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
34	400632096401600	07-26-88	1.0	0.7	2.0	0.28	0.20	0.17
		07-26-88	1.2	.9	2.2	.29	.20	.17
		07-26-88	1.0	.8	2.0	.30	.21	.19
		07-27-88	1.1	.7	2.0	.33	.20	.17
		07-27-88	1.8	.7	2.0	.26	.20	.18
		11-14-88	.8	.8	1.2	.22	.20	.18
		03-07-89	.3	.3	.71	.19	.10	.10
		05-30-89	.8	.6	--	.48	.40	.37
35	06882000	05-12-87	1.5	--	--	.74	--	.36
		05-19-87	1.9	--	--	.54	.41	.38
		06-02-87	13	--	--	2.6	--	.21
		06-10-87	10	--	--	2.0	--	.33
		06-16-87	.8	--	--	.54	--	.43

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
35	06882000	07-14-87	1200	3.2	0.01	3.2	0.08	--
		08-10-87	1130	2.3	.07	2.4	.20	--
		09-08-87	1100	2.6	.03	2.6	.03	0.67
		09-28-87	1050	--	--	--	--	--
		10-05-87	1200	2.4	.01	2.4	<.01	--
		11-02-87	1100	1.6	.03	1.6	.06	--
		12-01-87	1100	2.6	.02	2.6	.20	--
		01-26-88	1130	3.3	.04	3.3	.32	--
		02-23-88	1130	2.0	.05	2.1	.47	--
		03-21-88	1130	1.8	.03	1.8	.03	--
		04-20-88	1115	.46	.03	.49	.03	--
		05-24-88	1005	1.8	.11	1.9	.44	--
		06-21-88	0925	1.0	.05	1.1	.18	--
		07-19-88	1025	2.9	.09	3.0	.05	--
		07-25-88	0540	2.9	.11	3.0	.12	2.0
		08-09-88	0915	.66	.09	.75	.44	--
		08-30-88	1400	1.9	.11	2.0	.23	--
		10-18-88	1000	2.5	.06	2.6	.05	--
		11-08-88	1200	1.8	.03	1.8	.09	--
		11-14-88	1145	1.8	.03	1.8	.09	.51
		12-06-88	0900	2.0	.04	2.0	.01	--
		01-04-89	1100	2.7	.03	2.7	.03	--
		01-31-89	1100	3.2	.05	3.3	.02	--
		03-07-89	1435	2.8	.05	2.9	.57	<.01
		03-28-89	1130	3.3	.08	3.4	.47	--
		04-19-89	1130	.49	.04	.53	.06	--
		05-24-89	0940	--	<.01	<.10	.02	--
		05-30-89	1245	.21	.06	.27	.41	.49
		06-27-89	1245	2.0	.12	2.1	.60	--
		07-11-89	0930	--	<.01	1.7	.05	--
		08-16-89	0825	.75	.02	.77	<.01	--
		09-06-89	1020	.85	.08	.93	.27	--
		10-23-89	1600	.49	.02	.51	.03	--
		11-29-89	1030	1.5	.03	1.5	.02	--
		12-19-89	0920	3.5	.06	3.6	.61	--
		01-18-90	1000	3.1	.04	3.1	.46	--
		02-13-90	1030	2.9	.04	2.9	.01	--
		03-21-90	0945	2.2	.03	2.2	.02	--
		04-18-90	1000	.67	.03	.70	.04	--
36	06882510	09-30-87	1300	2.4	.02	2.4	.06	.34
		07-25-88	1230	2.8	.06	2.9	.02	.48
		11-16-88	1050	1.6	.03	1.6	.06	.44
		03-09-89	0940	2.8	.05	2.9	.47	.83
		05-31-89	1240	--	<.01	<.10	.02	.68
37	402726098240500	09-30-87	0815	.49	.02	.51	.08	--
		07-26-88	0515	1.4	.05	1.4	.07	.53
		11-15-88	1100	.64	.02	.66	.04	.16
		03-08-89	0800	1.1	.03	1.1	.17	.53
		05-30-89	1200	.29	.03	.32	.07	.43

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
38	06883000	09-30-87	0925	0.67	0.01	0.68	0.04	0.26
		07-26-88	0810	1.4	.02	1.4	.02	.38
		11-15-88	0940	.75	.03	.78	.01	.19
		03-08-89	0920	1.4	.02	1.4	.06	.74
		05-30-89	1320	.67	.03	.70	.07	.33
39	401243097433500	09-30-87	1045	.74	.01	.75	.03	--
		07-26-88	0630	1.5	.03	1.5	.04	.86
		11-15-88	0815	.46	.02	.48	.02	.18
		03-08-89	1100	1.3	.02	1.3	.07	.33
		05-31-89	1030	.73	.03	.76	.09	.41

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Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
35	06882000	07-14-87	1.7	--	--	0.62	0.44	0.34
		08-10-87	1.6	--	--	.72	--	.38
		09-08-87	.8	0.7	3.3	.48	.47	.39
		09-28-87	1.5	.9	--	.50	.51	--
		10-05-87	1.2	--	--	--	--	.78
		11-02-87	1.2	--	--	.49	.35	.33
		12-01-87	.7	--	--	.44	--	.37
		01-26-88	1.1	--	--	.52	.45	.40
		02-23-88	1.0	--	--	.58	--	.44
		03-21-88	1.5	--	--	.34	.26	.21
		04-20-88	1.8	--	--	.41	--	.16
		05-24-88	1.6	--	--	.56	.51	.41
		06-21-88	1.3	--	--	.58	--	.46
		07-19-88	1.4	--	--	.64	.55	.50
		07-25-88	2.5	2.1	5.1	.74	.54	.49
		08-09-88	1.2	--	--	.56	--	.41
		08-30-88	2.5	--	--	.76	--	.47
		10-18-88	.6	--	--	.59	--	.48
		11-08-88	1.6	--	--	.70	.50	.44
		11-14-88	1.5	.6	2.4	.55	.43	.38
		12-06-88	1.5	--	--	.52	--	.34
		01-04-89	1.8	--	--	.53	.43	.38
		01-31-89	2.3	--	--	.66	--	.45
		03-07-89	.5	.2	3.1	.68	.56	.53
		03-28-89	--	--	--	.65	.58	.57
		04-19-89	.4	--	--	.24	--	.10
		05-24-89	2.0	--	--	.47	.23	.21
		05-30-89	1.3	.9	1.2	.57	.38	.34
		06-27-89	1.2	--	--	.39	--	.34
		07-11-89	1.1	--	--	.82	.44	.43
		08-16-89	2.4	--	--	.80	--	.46
		09-06-89	5.7	--	--	.54	.22	.20
		10-23-89	1.8	--	--	.60	--	.29
		11-29-89	.9	--	--	.48	.37	.36
		12-19-89	1.5	--	--	.75	--	.57
		01-18-90	.9	--	--	.59	.53	.56
		02-13-90	.8	--	--	.62	--	.49
		03-21-90	.7	--	--	.65	.48	.46
		04-18-90	2.0	--	--	.59	--	.15
36	06882510	09-30-87	1.5	.4	2.8	.48	.50	.45
		07-25-88	.6	.5	3.4	.62	.57	.53
		11-16-88	1.4	.5	2.1	.60	.38	.35
		03-09-89	1.6	1.3	4.2	.64	.51	.48
		05-31-89	1.0	.7	--	.42	.21	.21
37	402726098240500	09-30-87	.5	<.2	--	.23	.19	.21
		07-26-88	1.9	.6	2.0	.64	.37	.36
		11-15-88	.3	.2	.86	.29	.24	.22
		03-08-89	.7	.7	1.8	.30	.27	.28
		05-30-89	.4	.5	.82	.31	.29	.27

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
38	06883000	09-30-87	0.6	0.3	0.98	0.26	0.17	0.16
		07-26-88	.8	.4	1.8	.62	.40	.39
		11-15-88	.3	.2	.98	.22	.20	.19
		03-08-89	1.0	.8	2.2	.34	.24	.23
		05-30-89	.5	.4	1.1	.30	.27	.26
39	401243097433500	09-30-87	.7	<.2	--	.34	.28	.31
		07-26-88	2.0	.9	2.4	.61	.40	.39
		11-15-88	.4	.2	.68	.22	.19	.18
		03-08-89	.6	.4	1.7	.24	.20	.19
		05-31-89	.3	.5	1.3	.39	.35	.34

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia + organic, total (mg/L as N) (00625)
40	06883570	09-28-87	1450	0.72	0.01	0.73	0.04	0.36	0.7
		07-26-88	0630	.78	.04	.82	.02	1.2	3.0
		11-14-88	1655	--	<.01	.70	.03	.27	.7
		03-08-89	1345	1.6	.02	1.6	.09	1.0	1.3
		05-31-89	1200	1.2	.02	1.2	.08	--	.3
41	401826097451100	07-26-88	0600	2.7	.06	2.8	.09	.81	1.6
42	06883940	09-28-87	1530	1.2	.02	1.2	.07	.53	--
		07-26-88	0545	1.7	.02	1.7	.03	.57	.7
		11-14-88	1730	--	<.01	1.5	.01	.29	.3
		03-08-89	1250	1.4	.01	1.4	.04	.56	.6
		05-31-89	1130	1.3	.02	1.3	.07	.33	.3
44	06884000	09-28-87	1240	.81	.03	.84	.08	.52	2.0
		07-25-88	0845	.17	.02	.19	<.01	--	1.6
		07-26-88	1320	.52	.04	.56	.04	.46	2.4
		07-26-88	1710	.30	.02	.32	.07	.63	1.9
		07-26-88	2150	.38	.03	.41	.07	.83	1.3
		07-27-88	0120	.49	.04	.53	.07	.33	1.6
		07-27-88	0545	.26	.02	.28	.03	.17	1.8
		11-14-88	1555	--	<.01	1.0	.05	.45	.8
		03-08-89	1225	1.6	.02	1.6	.27	.33	.8
		05-31-89	1300	1.4	.04	1.4	.32	.38	.5
46	400359097101400	09-28-87	1200	2.2	.01	2.2	.03	.17	1.2
		07-25-88	0615	2.6	.05	2.7	.10	1.6	1.8
		07-26-88	1355	2.6	.03	2.6	.03	.47	1.2
		07-26-88	1750	2.6	.03	2.6	.06	.54	.6
		07-26-88	2110	2.5	.03	2.5	.02	.58	1.7
		07-27-88	0100	2.6	.02	2.6	.05	.65	.8
		07-27-88	0510	2.5	.02	2.5	.04	.16	2.7
		11-14-88	1515	--	<.01	.98	.03	.27	.6
		03-08-89	1200	1.6	.02	1.6	.09	.21	.8
		05-31-89	1330	1.5	.13	1.6	.16	.64	.7
47	06884025	05-12-87	1410	1.7	.02	1.7	.03	--	1.8
		05-26-87	1150	1.4	.02	1.4	.05	--	2.1
		06-23-87	1030	1.5	.03	1.5	.11	--	.4
		06-30-87	1700	2.8	.09	2.9	.19	--	3.3
		07-01-87	0730	3.1	.07	3.2	.10	--	3.4
		07-21-87	1100	.52	.01	.53	.03	--	1.6
		08-18-87	1120	.59	.01	.60	.06	--	3.3
		09-15-87	1030	1.2	.01	1.2	.04	--	<.2
		09-28-87	1030	1.1	.02	1.1	.03	.37	.4
		10-13-87	1115	1.1	.01	1.1	<.01	--	1.0
		11-04-87	1120	.98	.02	1.0	.06	--	.4
		12-06-87	1130	1.4	.02	1.4	.05	--	.5
		01-07-88	1245	2.4	.02	2.4	.17	--	.3
		02-03-88	1300	1.7	.01	1.7	.24	--	.9
		03-02-88	1315	1.4	.03	1.4	.14	--	.7

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)	Nitro- gen, ammonia + organic, total (mg/L as N) (00625)
47	06884025	04-26-88	1015	0.66	0.01	0.67	0.02	--	0.2
		05-31-88	1045	--	--	--	--	--	1.1
		06-28-88	0945	--	<.01	<.10	<.01	--	1.0
		07-25-88	1150	.40	.02	.42	.04	1.2	2.1
		07-27-88	0920	--	<.01	<.10	.04	--	1.6
		08-09-88	1135	.33	.04	.37	.13	--	1.6
		08-30-88	1100	.59	.02	.61	.02	--	1.1
		10-18-88	1300	1.3	.02	1.3	.01	--	.4
		11-09-88	1200	.95	.02	.97	.03	--	.4
		11-14-88	1350	.99	.01	1.0	.02	.28	.3
		12-06-88	1300	1.5	.02	1.5	<.01	--	.3
		01-10-89	1050	2.0	.03	2.0	.12	--	.5
		02-07-89	1115	2.4	.02	2.4	.18	--	.6
		03-07-89	1100	1.6	.20	1.8	.18	--	.6
		03-08-89	1040	1.6	.02	1.6	.20	<.01	.4

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
40	06883570	09-28-87	0.4	--	1.1	0.43	0.30	0.28
		07-26-88	1.2	--	2.0	.59	.30	.29
		11-14-88	.3	--	1.0	.25	.24	.22
		03-08-89	1.1	--	2.7	.31	.23	.22
		05-31-89	<.2	--	--	.46	.40	.38
41	401826097451100	07-26-88	.9	--	3.7	.46	.35	.30
42	06883940	09-28-87	.6	--	1.8	.26	.26	.23
		07-26-88	.6	--	2.3	.54	.47	.45
		11-14-88	.3	--	1.8	.24	.23	.22
		03-08-89	.6	--	2.0	.27	.24	.25
		05-31-89	.4	--	1.7	.25	.23	.22
44	06884000	09-28-87	.6	--	1.4	.46	.29	.26
		07-25-88	1.0	--	1.2	.52	.34	.33
		07-26-88	.5	--	1.1	.51	.33	.29
		07-26-88	.7	--	1.0	.51	.27	.27
		07-26-88	.9	--	1.3	.31	.30	.26
		07-27-88	.4	--	.93	.54	.31	.30
		07-27-88	.2	--	.48	.60	.28	.22
		11-14-88	.5	--	1.5	.37	.30	.27
		03-08-89	.6	--	2.2	.32	.27	.27
		05-31-89	.7	--	2.1	.45	.42	.40
46	400359097101400	09-28-87	.2	--	2.4	.32	.13	.12
		07-25-88	1.7	--	4.4	.29	.17	.16
		07-26-88	.5	--	3.1	.34	.19	.16
		07-26-88	.6	--	3.2	.23	.18	.17
		07-26-88	.6	--	3.1	.54	.16	.14
		07-27-88	.7	--	3.3	.21	.17	.17
		07-27-88	.2	--	2.7	.34	.19	.15
		11-14-88	.3	--	1.3	.13	.09	.08
		03-08-89	.3	--	1.9	.11	.07	.07
		05-31-89	.8	--	2.4	.20	.15	.14
47	06884025	05-12-87	--	--	--	.63	--	.29
		05-26-87	--	4.1	--	.61	--	.18
		06-23-87	--	--	--	.85	--	.14
		06-30-87	--	--	--	.22	--	.16
		07-01-87	--	--	--	.91	--	.16
		07-21-87	--	--	--	1.0	--	.27
		08-18-87	--	--	--	.80	--	.21
		09-15-87	--	--	--	.37	--	.23
		09-28-87	.4	--	1.5	.31	.27	.23
		10-13-87	--	--	--	.26	--	.16
		11-04-87	--	--	--	.30	--	.19
		12-06-87	--	--	--	.22	--	.15
		01-07-88	--	--	--	.24	--	.17
		02-03-88	--	--	--	.35	--	.22
		03-02-88	--	--	--	.28	--	.24

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, total (mg/L as N) (00600)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
47	06884025	04-26-88	--	--	--	0.20	--	0.11
		05-31-88	--	--	--	.34	--	--
		06-28-88	--	--	--	.21	--	.06
		07-25-88	1.2	--	1.6	.61	.36	.32
		07-27-88	--	--	--	.59	--	.20
		08-09-88	--	--	--	.31	--	.21
		08-30-88	--	--	--	.45	--	.24
		10-18-88	--	--	--	.39	--	.33
		11-09-88	--	--	--	.30	--	.22
		11-14-88	.3	--	1.3	.24	.23	.21
		12-06-88	--	--	--	.25	--	.20
		01-10-89	--	--	--	.23	--	.19
		02-07-89	--	--	--	.27	--	.21
		03-07-89	--	--	--	.27	--	.25
		03-08-89	.2	--	1.8	.30	.24	.23

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
47	06884025	04-05-89	0955	0.75	0.03	0.78	0.03	--
		05-01-89	1200	.69	.02	.71	.05	--
		05-31-89	1420	1.4	.04	1.4	.06	0.54
		06-22-89	1240	.62	.02	.64	.04	--
		06-26-89	1130	4.4	.08	4.5	.46	--
		08-15-89	1800	--	<.01	<.10	<.01	--
		09-06-89	1130	.72	.03	.75	.07	--
		10-23-89	1430	1.1	.01	1.1	.03	--
		11-28-89	1530	--	<.01	1.5	.13	--
		12-19-89	1150	--	<.01	2.2	.11	--
		01-18-90	1300	1.6	.02	1.6	.14	--
		02-13-90	1300	1.4	.02	1.4	.09	--
		03-21-90	1230	1.5	.02	1.5	.07	--
		04-18-90	1230	.79	.01	.80	.01	--
48	395513096561100	09-30-87	1210	1.5	.02	1.5	.05	.45
		07-26-88	1215	.14	.01	.15	.07	.53
		11-16-88	1400	--	<.01	<.10	.11	.69
		03-09-89	0830	--	<.01	.64	.04	.76
		05-31-89	1415	--	<.01	<.10	.03	.57
49	06884400	07-25-88	1400	.98	.02	1.0	.03	.47
		11-16-88	1130	.86	.02	.88	.23	.57
		11-16-88	1135	.89	.02	.91	.23	.57
		03-08-89	1630	1.7	.02	1.7	.12	.78
		03-08-89	1635	1.7	.02	1.7	.15	.35
		03-08-89	1715	1.7	.02	1.7	.13	.67
		03-08-89	1720	1.8	.02	1.8	.14	.86
		05-31-89	1540	.60	.03	.63	.03	--
		05-31-89	1545	.60	.03	.63	.02	.28
		05-31-89	1550	.60	.03	.63	.03	.37
		05-31-89	1555	.60	.03	.63	.03	.47
50	06885500	05-13-87	1200	1.6	.06	1.7	.09	--
		05-28-87	1045	4.8	.06	4.9	.23	--
		06-23-87	1020	2.5	.04	2.5	.06	--
		07-20-87	1330	1.1	.02	1.1	.04	--
		08-18-87	1100	1.5	.06	1.6	.39	--
		09-15-87	1445	1.2	.04	1.2	.16	--
		09-16-87	1120	.88	.02	.90	.17	--
		09-22-87	1030	1.5	.02	1.5	.05	--
		09-30-87	1430	1.3	.02	1.3	.07	.53
		10-20-87	1120	--	<.01	.56	.05	--
		11-23-87	1005	1.1	.01	1.1	.03	--
		12-22-87	1030	2.2	.02	2.2	.33	--
		01-19-88	1100	2.1	.02	2.1	.13	--
		02-16-88	1045	2.1	.03	2.1	.50	--
		03-14-88	1045	--	<.01	.95	.06	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
50	06885500	04-14-88	1115	0.32	0.01	0.33	0.03	--
		05-16-88	1045	.27	.03	.30	.14	--
		06-09-88	1010	.11	.02	.13	.02	--
		06-30-88	1130	1.4	.06	1.5	.30	--
		06-30-88	1330	1.2	.06	1.3	.32	--
		07-05-88	1100	.75	.09	.84	.11	--
		07-24-88	1320	.44	.04	.48	.04	5.0
		08-12-88	1315	.31	.02	.33	.05	--
		09-01-88	1110	--	<.01	.18	.04	--
		10-06-88	1110	--	<.01	.29	.07	--
		11-03-88	1100	--	--	--	--	--
		11-16-88	1340	--	<.01	<.10	.03	.57
		11-16-88	1350	--	<.01	.17	.05	.35
		12-15-88	1135	.29	.01	.30	.03	--
		01-26-89	1120	--	<.01	.13	.01	--

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
47	06884025	04-05-89	0.2	--	--	0.25	--	0.21
		05-01-89	<.2	--	--	.23	--	.17
		05-31-89	.4	0.6	2.0	.41	0.36	.34
		06-22-89	<.2	--	--	.25	--	.24
		06-26-89	2.1	--	--	.53	--	.25
		08-15-89	1.9	--	--	.49	--	.17
		09-06-89	1.6	--	--	.50	--	.11
		10-23-89	.4	--	--	.31	--	.26
		11-28-89	.7	--	--	.31	--	.24
		12-19-89	.4	--	--	.27	--	.24
		01-18-90	.6	--	--	.31	--	.24
		02-13-90	.5	--	--	.29	--	.22
		03-21-90	.4	--	--	.35	--	.26
		04-18-90	.6	--	--	.28	--	.16
		09-30-87	1.0	.5	2.0	.14	.07	.07
		07-26-88	.6	.6	.75	.13	.07	.06
		11-16-88	1.1	.8	--	.15	.08	.06
48	395513096561100	03-09-89	1.0	.8	1.4	.06	.03	.02
		05-31-89	.3	.6	--	.15	.08	.05
		07-25-88	.6	.5	1.5	.42	.32	.30
		11-16-88	.8	.8	1.7	.40	.31	.27
		11-16-88	1.1	.8	1.7	.40	.31	.28
49	06884400	03-08-89	.9	.9	2.6	.25	.18	.15
		03-08-89	.9	.5	2.2	.26	.18	.16
		03-08-89	1.2	.8	2.5	.28	.18	.17
		03-08-89	1.0	1.0	2.8	.27	.19	.16
		05-31-89	<.2	<.2	--	.32	.27	.25
		05-31-89	<.2	.3	.93	.33	.26	.25
		05-31-89	.6	.4	1.0	.31	.25	.25
		05-31-89	1.1	.5	1.1	.31	.25	.25
		05-13-87	.8	--	--	.20	--	.12
		05-28-87	3.8	--	--	.57	--	.12
		06-23-87	1.5	--	--	.28	--	.17
50	06885500	07-20-87	.8	--	--	.23	--	.13
		08-18-87	2.0	--	--	.60	--	.25
		09-15-87	1.8	--	--	.12	--	.10
		09-16-87	1.4	--	--	.15	--	.09
		09-22-87	1.2	--	--	.24	--	.14
		09-30-87	.9	.6	1.9	.16	.17	.16
		10-20-87	.6	--	--	.21	--	.09
		11-23-87	--	--	--	.18	--	.12
		12-22-87	.8	--	--	.31	--	.11
		01-19-88	.5	--	--	.24	--	.11
		02-16-88	1.7	--	--	.31	--	.17
		03-14-88	.6	--	--	.12	--	.10

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
50	06885500	04-18-88	0.3	--	--	0.12	--	0.07
		05-16-88	.5	--	--	.17	--	.10
		06-09-88	.4	--	--	.22	--	.13
		06-30-88	3.5	--	--	.46	--	.11
		06-30-88	1.7	--	--	.35	--	.07
		07-05-88	1.1	--	--	.22	--	.11
		07-24-88	1.2	5.0	5.5	.28	0.15	.14
		08-12-88	1.0	--	--	.24	--	.10
		09-01-88	1.1	--	--	.36	--	.40
		10-06-88	.8	--	--	.16	--	.13
		11-03-88	--	--	--	--	--	--
		11-16-88	.9	.6	--	.27	.19	.13
		11-16-88	.8	.4	.57	.32	.20	.18
		12-15-88	.4	--	--	.10	--	.07
		01-26-89	.5	--	--	.08	--	.03

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
50	06885500	02-16-89	1210	0.68	0.02	0.70	0.02	--
		03-09-89	1130	.34	.01	.35	.04	0.36
		03-16-89	1025	--	.01	<.10	.03	--
		04-25-89	0915	--	.01	<.10	.12	--
		05-15-89	1120	.19	.05	.24	.28	--
		05-31-89	1055	.09	.02	.11	.03	.67
		06-16-89	1330	.60	.09	.69	.19	--
		06-27-89	1245	1.2	.06	1.3	.34	--
		07-10-89	1030	--	<.01	<.10	.02	--
		08-17-89	1040	.15	.01	.16	.04	--
		09-18-89	1100	.77	.05	.82	.07	--
		10-04-89	1150	--	<.01	<.10	.01	--
		11-16-89	1040	--	<.01	<.10	.02	--
		12-14-89	1100	--	<.01	.11	.04	--
		01-10-90	1025	--	<.01	.57	.04	--
		02-08-90	1100	--	<.01	<.10	.02	--
		03-22-90	1100	.47	.03	.50	.06	--
		04-26-90	1700	--	.01	<.10	.02	--
51	06886500	09-30-87	1050	1.8	.02	1.8	.10	.10
		07-24-88	1445	--	<.01	<.10	.04	.76
		11-16-88	0940	--	<.01	<.10	.10	.40
		03-09-89	1115	--	<.01	<.10	.04	.66
		05-31-89	1730	--	.02	<.10	.12	.48
52	06887000	05-13-87	1545	1.6	.15	1.8	.06	--
		06-23-87	0830	--	<.01	2.7	.04	--
		07-20-87	1630	--	<.01	2.3	.05	--
		08-18-87	1330	--	<.01	2.1	.01	--
		09-21-87	1330	--	<.01	1.8	<.01	--
		09-30-87	1045	--	<.01	1.6	.04	.86
		09-30-87	1125	--	<.01	1.7	.05	.65
		10-20-87	1315	.89	.03	.92	.05	--
		11-23-87	1615	1.5	.03	1.5	.03	--
		12-21-87	1500	1.3	.03	1.3	.02	--
		01-20-88	0825	1.5	.02	1.5	.08	--
		02-18-88	1030	.98	.02	1.0	.03	--
		03-14-88	1315	.63	.03	.66	.04	--
		04-18-88	1150	.44	.02	.46	.04	--
		05-17-88	1400	.68	.04	.72	.15	--
		06-07-88	1400	--	--	--	--	--
		07-05-88	1545	.72	.04	.76	.05	--
		07-24-88	1045	.66	.04	.70	.07	.63
		08-12-88	0845	--	<.01	.71	.03	--
		09-01-88	1530	--	<.01	<.10	.01	--
		10-07-88	0830	--	<.01	.72	.06	--
		11-04-88	0800	--	<.01	.84	.03	--
		11-15-88	1445	--	<.01	.83	.06	.54
		12-15-88	1530	.91	.01	.92	.02	--
		01-26-89	1535	.27	.01	.28	.02	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
52	06887000	02-17-89	0810	0.41	0.02	0.43	0.28	--
		03-08-89	1430	.75	.02	.77	.51	0.59
		03-16-89	1510	.29	.02	.31	.14	--
		04-24-89	1425	.29	.01	.30	.19	--
		05-15-89	1540	.32	.03	.35	.34	--
		06-02-89	1030	.77	.03	.80	.06	.44
		06-16-89	0850	.70	.02	.72	.04	--
		07-10-89	1515	--	<.01	1.1	.02	--
		08-17-89	1445	--	<.01	1.4	.01	--
		09-12-89	1055	--	<.01	1.1	.02	--
		10-03-89	1415	--	<.01	1.1	<.01	--
		11-16-89	1415	--	<.01	1.2	.02	--
		12-15-89	0845	--	<.01	1.0	.06	--
		01-09-90	1235	1.3	.02	1.3	.20	--
		02-08-90	1530	--	<.01	1.1	.05	--

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
50	06885500	02-16-89	0.5	--	--	0.11	--	0.06
		03-09-89	.5	0.4	0.75	.11	0.06	.06
		03-16-89	.6	--	--	.12	--	.09
		04-25-89	1.2	--	--	.25	--	.11
		05-15-89	.6	--	--	.24	--	.13
		05-31-89	.6	.7	.81	.22	.18	.15
		06-16-89	.3	--	--	.20	--	.15
		06-27-89	1.3	--	--	.17	--	.06
		07-10-89	.7	--	--	.37	--	.12
		08-17-89	1.2	--	--	.25	--	.06
		09-18-89	.8	--	--	.18	--	.13
		10-04-89	.7	--	--	.22	--	.08
		11-16-89	.5	--	--	.20	--	.14
		12-14-89	.4	--	--	.09	--	.06
		01-10-90	.4	--	--	.09	--	.05
		02-08-90	.6	--	--	.49	--	.04
		03-22-90	1.0	--	--	.27	--	.10
		04-26-90	.8	--	--	.12	--	.07
51	06886500	09-30-87	1.1	.2	2.0	1.5	1.4	1.2
		07-24-88	1.2	.8	--	.16	.06	.04
		11-16-88	.7	.5	--	.12	.06	.05
		03-09-89	.7	.7	--	.06	.01	<.01
		05-31-89	1.0	.6	--	.10	.08	.06
52	06887000	05-13-87	1.0	--	--	.23	--	.18
		06-23-87	.9	--	--	.16	--	.14
		07-20-87	1.8	--	--	.22	--	.13
		08-18-87	.9	--	--	.17	--	.14
		09-21-87	.7	--	--	.19	--	.14
		09-30-87	1.2	.9	2.5	.15	.16	.14
		09-30-87	.6	.7	2.4	.24	.19	.15
		10-20-87	.8	--	--	.10	--	.10
		11-23-87	1.2	--	--	.17	--	.14
		12-21-87	.5	--	--	.17	--	.11
		01-20-88	.5	--	--	.15	--	.09
		02-18-88	.8	--	--	.14	--	.06
		03-14-88	1.2	--	--	.07	--	<.01
		04-18-88	1.0	--	--	.11	--	.03
		05-17-88	.6	--	--	.10	--	.04
		06-07-88	.5	--	--	<.01	--	--
		07-05-88	.5	--	--	.11	--	.04
		07-24-88	.6	.7	1.4	.08	.07	.06
		08-12-88	.4	--	--	.08	--	.04
		09-01-88	.5	--	--	.11	--	.28
		10-07-88	.5	--	--	.08	--	.06
		11-04-88	.5	--	--	.10	--	.08
		11-15-88	.6	.6	1.4	.12	.09	.07
		12-15-88	.5	--	--	.10	--	.08
		01-26-89	.9	--	--	.09	--	.01

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
52	06887000	02-17-89	1.2	--	--	0.11	--	0.02
		03-08-89	1.4	1.1	1.9	.21	0.13	.11
		03-16-89	.6	--	--	.07	--	.05
		04-24-89	1.1	--	--	.09	--	.03
		05-15-89	.9	--	--	.10	--	.06
		06-02-89	.6	.5	1.3	.09	.06	.06
		06-16-89	.7	--	--	.06	--	.03
		07-10-89	.4	--	--	.09	--	.07
		08-17-89	.7	--	--	.19	--	.13
		09-12-89	1.0	--	--	.27	--	.14
		10-03-89	.7	--	--	.38	--	.16
		11-16-89	.4	--	--	.29	--	.19
		12-15-89	.6	--	--	.25	--	.17
		01-09-90	.8	--	--	.21	--	.18
		02-08-90	.6	--	--	.33	--	.17

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
52	06887000	03-22-90	1530	0.88	0.02	0.90	0.02	--
		04-26-90	1200	.68	.02	.70	.03	--
55	392844096093500	09-29-87	1245	.10	.01	.11	.09	0.61
		07-27-88	0930	--	.01	<.10	.01	.79
		11-15-88	1330	--	<.01	.20	.06	.84
		03-08-89	1345	--	<.01	<.10	.47	.23
		05-31-89	0900	--	<.01	<.10	.04	.56
56	06888030	09-29-87	1410	.52	.01	.53	.05	.15
		07-27-88	1120	--	<.01	<.10	.05	.25
		11-15-88	1115	--	<.01	.11	.05	.55
		03-08-89	1100	--	.01	<.10	.03	.27
		06-01-89	1450	--	<.01	<.10	.02	.48
57	06888300	09-30-87	1325	--	<.01	.52	.07	.83
		07-29-88	0815	--	<.01	.57	.02	.58
		03-08-89	1645	.43	.01	.44	.04	.16
		06-01-89	1645	.69	.02	.71	.07	.53
58	06888350	09-29-87	0930	--	<.01	.83	.04	.26
		07-27-88	0910	.38	.03	.41	.08	--
		11-15-88	1445	--	<.01	.30	.04	.46
		03-10-89	1110	.42	.02	.44	.04	.86
		05-30-89	1845	.88	.10	.98	.16	.74
59	06888500	05-20-87	1315	--	<.01	<.10	.03	--
		05-27-87	1310	1.1	.04	1.1	.20	--
		06-23-87	1315	.58	.01	.59	.04	--
		07-20-87	1005	--	<.01	<.10	.03	--
		08-18-87	0940	.41	.01	.42	.02	--
		09-22-87	1300	--	<.01	<.10	.02	--
		09-29-87	1515	--	<.01	<.10	.03	.47
		10-20-87	1445	--	<.01	.12	.06	--
		11-23-87	1245	--	<.01	.15	.04	--
		12-22-87	1330	--	<.01	.47	.06	--
		01-19-88	1345	--	--	.38	--	--
		02-17-88	1350	--	<.01	.32	.02	--
		03-15-88	1300	--	<.01	<.10	.04	--
		04-18-88	1445	--	<.01	<.10	.01	--
		05-16-88	1410	--	<.01	<.10	.04	--
		06-08-88	1000	--	<.01	<.10	.02	--
		07-06-88	1520	--	<.01	<.10	<.01	--
		07-27-88	1010	1.2	.01	1.2	.06	.44
		08-09-88	0955	--	.02	<.10	.02	--
		08-30-88	1005	--	<.01	<.10	.03	--
		10-04-88	1020	--	<.01	<.10	.02	--
		11-07-88	1445	--	<.01	<.10	.04	--
		11-15-88	1100	--	<.01	<.10	.03	.37
		12-20-88	0950	--	<.01	<.10	.02	--
		01-24-89	1345	--	.01	<.10	.03	--

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
59	06888500	02-14-89	1310	--	<0.01	<0.10	0.03	--
		03-08-89	1310	--	<0.01	<0.10	.07	0.73
		03-14-89	1300	--	<0.01	<0.10	.03	--
		04-20-89	1220	--	<0.01	<0.10	.03	--
		05-18-89	1210	--	<0.01	<0.10	.07	--
		06-01-89	1145	--	<0.01	<0.10	.05	.35
		06-13-89	1250	--	<0.01	<0.10	.02	--
		07-13-89	0935	0.46	.04	.50	.07	--
		09-05-89	1315	.42	.02	.44	.04	--
		09-14-89	0940	1.1	.01	1.1	.04	--
		10-06-89	0935	--	<0.01	<0.10	.02	--
		11-20-89	1335	--	.01	<0.10	.03	--
		12-12-89	1400	--	.01	<0.10	.02	--
		01-11-90	0930	--	<0.01	.17	.03	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
52	06887000	03-22-90	0.8	--	--	0.17	--	0.14
		04-26-90	.8	--	--	.12	--	.09
55	398244096093500	09-29-87	.7	0.7	0.81	.10	0.10	.08
		07-27-88	1.0	.8	--	.19	.10	.08
		11-15-88	1.1	.9	1.1	.17	.05	.04
		03-08-89	.9	.7	--	.24	.20	.18
		05-31-89	.5	.6	--	.07	.03	.02
56	06888030	09-29-87	1.1	.2	.73	.05	.02	.02
		07-27-88	1.2	.3	--	.07	.03	.03
		11-15-88	.6	.6	.71	.12	.04	.03
		03-08-89	.3	.3	--	.04	.01	.01
		06-01-89	.7	.5	--	.06	.02	.01
57	06888300	09-30-87	1.6	.9	1.4	.05	.03	.03
		07-29-88	.6	.6	1.2	.12	.12	.04
		03-08-89	.4	.2	.64	.05	.03	.02
		06-01-89	.6	.6	1.3	.11	.08	.07
58	06888350	09-29-87	1.3	.3	1.1	.17	.08	.07
		07-27-88	.3	<.2	--	.14	.05	.04
		11-15-88	.9	.5	.80	.15	.09	.08
		03-10-89	1.3	.9	1.3	.21	.07	.06
		05-30-89	.8	.9	1.9	.30	.14	.13
59	06888500	05-20-87	.5	--	--	.02	--	.01
		05-27-87	18	--	--	3.5	--	.08
		06-23-87	.6	--	--	.08	--	.02
		07-20-87	2.2	--	--	.06	--	<.01
		08-18-87	.7	--	--	.11	--	.02
		09-22-87	.6	--	--	.06	--	<.01
		09-29-87	.9	.5	--	.02	.02	.02
		10-20-87	.5	--	--	.03	--	<.01
		11-23-87	--	--	--	--	--	.01
		12-22-87	.3	--	--	.06	--	.03
		01-19-88	.2	--	--	.03	--	--
		02-17-88	.3	--	--	.03	--	.01
		03-15-88	.4	--	--	.02	--	<.01
		04-18-88	<.2	--	--	.01	--	.01
		05-16-88	.3	--	--	.03	--	.02
		06-08-88	.3	--	--	.03	--	<.01
		07-06-88	.6	--	--	.07	--	<.01
		07-27-88	.5	.5	1.7	.06	.04	.02
		08-09-88	.5	--	--	.07	--	.01
		08-30-88	.4	--	--	.03	--	.03
		10-04-88	.3	--	--	.03	--	.02
		11-07-88	.6	--	--	.05	--	.03
		11-15-88	.6	.4	--	.06	.02	.02
		12-20-88	.2	--	--	.03	--	.01
		01-24-89	.4	--	--	.03	--	<.01

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
59	06888500	02-14-89	0.3	--	--	0.30	--	0.01
		03-08-89	.3	0.8	--	.06	0.03	.02
		03-14-89	.3	--	--	.03	--	.03
		04-20-89	.3	--	--	.04	--	.02
		05-18-89	.6	--	--	.05	--	.02
		06-01-89	.5	.4	--	.04	.02	.01
		06-13-89	.5	--	--	.06	--	.02
		07-13-89	.7	--	--	.11	--	.04
		08-14-89	.7	--	--	.05	--	.02
		09-05-89	1.8	--	--	.19	--	.09
		09-14-89	.4	--	--	.09	--	.06
		10-06-89	.4	--	--	.05	--	<.01
		11-20-89	.4	--	--	.05	--	<.01
		12-12-89	.2	--	--	.03	--	.01
		01-11-90	.2	--	--	.03	--	.01

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
59	06888500	02-06-90	1350	--	<0.01	<0.10	<0.01	--
		03-14-90	1005	--	<.01	.40	.03	--
		04-24-90	1400	--	<.01	<.10	<.01	--
60	390820095571500	09-29-87	1340	0.66	.01	.67	.05	0.55
		07-29-88	0535	.13	.02	.15	.07	.53
		11-15-88	1240	--	<.01	<.10	.06	.64
		03-09-89	1230	--	<.01	<.10	.02	.28
		06-01-89	1310	--	<.01	.14	.11	.39
61	06888705	09-29-87	1015	--	<.01	.72	.03	.57
		07-28-88	1745	--	<.01	<.10	.02	.28
		07-29-88	0415	--	<.01	<.10	.03	.67
		11-15-88	1030	--	<.01	.26	.03	--
		03-08-89	1030	.65	.02	.67	.20	1.0
		05-31-89	1710	.84	.08	.92	.07	.53
62	06889000	05-12-87	1020	1.4	.10	1.5	.07	--
		06-24-87	1330	--	<.01	1.7	.05	--
		07-22-87	1020	--	<.01	.91	.03	--
		08-18-87	1230	--	<.01	1.2	.02	--
		09-21-87	1245	--	<.01	1.5	<.01	--
		09-28-87	1400	.73	.01	.74	.04	1.1
		10-20-87	1330	--	<.01	.32	.03	--
		11-23-87	1200	2.6	.01	2.6	.03	--
		12-22-87	1330	.99	.01	1.0	.07	--
		01-19-88	1000	--	<.01	.98	.09	--
		02-17-88	1010	.94	.01	.95	.06	--
		03-15-88	1105	--	<.01	.35	.03	--
		04-18-88	1340	--	<.01	<.10	.02	--
		05-17-88	0945	.11	.01	.12	.05	--
		06-07-88	1200	--	<.01	<.10	<.01	--
		07-07-88	0930	--	<.01	<.10	<.01	--
		07-28-88	1815	--	<.01	<.10	.02	.28
		07-29-88	0530	--	<.01	<.10	.02	.78
		07-29-88	0535	--	<.01	.25	.02	.68
		08-09-88	1335	--	<.01	<.10	.01	--
		08-30-88	1340	--	<.01	<.10	.04	--
		10-04-88	1450	--	<.01	<.10	.04	--
		11-07-88	1030	--	<.01	.61	.02	--
		11-15-88	0755	--	<.01	.29	.03	.37
		12-20-88	1315	.30	.01	.31	.02	--
		01-24-89	0940	.29	.01	.30	.01	--
		02-14-89	0925	.43	.02	.45	.06	--
		03-07-89	1510	.37	.02	.39	.12	1.2
		03-14-89	0905	--	<.01	<.10	<.01	--
		04-20-89	0840	--	<.01	<.10	.01	--
		05-18-89	0905	--	<.01	<.10	.04	--
		06-01-89	1815	.74	.05	.79	.05	.55
		06-13-89	0900	--	<.01	<.10	.02	--
		07-13-89	1225	.93	.07	1.0	.04	--
		08-14-89	0940	--	<.01	1.5	.04	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
62	0688900	09-14-89	1300	--	<0.01	0.96	0.02	--
		10-06-89	1300	--	<.01	.83	.02	--
		11-20-89	0905	--	<.01	.80	.02	--
		12-12-89	0925	0.76	.02	.78	.07	--
		01-08-90	0920	--	<.01	.79	.21	--
		02-06-90	0930	.75	.01	.76	.04	--
		03-19-90	1015	--	<.01	.60	.01	--
		04-30-90	1200	--	.01	<.10	<.01	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
59	06888500	02-06-90	<0.2	--	--	0.02	--	<0.01
		03-14-90	.7	--	--	.23	--	.03
		04-24-90	.3	--	--	.03	--	<.01
60	390820095571500	09-29-87	.3	0.6	1.3	.07	0.03	.03
		07-29-88	.8	.6	.75	.11	.04	.03
		11-15-88	1.5	.7	--	.20	.09	.06
		03-09-89	.6	.3	--	.03	.01	.02
		06-01-89	.7	.5	.64	.07	.03	.04
61	06888705	09-29-87	1.3	.6	1.3	.11	.06	.06
		07-28-88	1.3	.3	--	.07	.02	<.01
		07-29-88	.9	.7	--	.12	.01	<.01
		11-15-88	.9	<.2	--	.13	.09	.08
		03-08-89	1.2	1.2	1.9	.32	.24	.20
		05-31-89	.4	.6	1.5	.28	.13	.13
62	06889000	05-12-87	.9	--	--	.25	--	.15
		06-24-87	1.4	--	--	.37	--	.12
		07-22-87	1.0	--	--	.35	--	.08
		08-18-87	1.1	--	--	.38	--	.11
		09-21-87	.7	--	--	.20	--	.13
		09-28-87	.4	1.1	1.8	.09	.09	.09
		10-20-87	1.0	--	--	.08	--	.03
		11-23-87	.3	--	--	.11	--	.06
		12-22-87	.5	--	--	.26	--	.09
		01-19-88	1.0	--	--	.23	--	.08
		02-17-88	.6	--	--	.18	--	.06
		03-15-88	1.4	--	--	.07	--	.02
		04-18-88	.7	--	--	.05	--	.01
		05-17-88	1.2	--	--	.08	--	.01
		06-07-88	.6	--	--	.08	--	<.01
		07-07-88	1.0	--	--	.23	--	<.01
		07-28-88	.4	.3	--	.16	.02	.01
		07-29-88	.8	.8	--	.15	.02	<.01
		07-29-88	.7	.7	.95	.10	.02	<.01
		08-09-88	1.2	--	--	.10	--	<.01
		08-30-88	1.0	--	--	.18	--	<.01
		10-04-88	1.1	--	--	.09	--	.02
		11-07-88	.7	--	--	.19	--	.07
		11-15-88	.7	.4	.69	.13	.09	.08
		12-20-88	.7	--	--	.10	--	.05
		01-24-89	.7	--	--	.15	--	.06
		02-14-89	.6	--	--	.17	--	.12
		03-07-89	2.0	1.3	1.7	.19	.09	.07
		03-14-89	.8	--	--	.08	--	.04
		04-20-89	.5	--	--	.10	--	<.01
		05-18-89	1.4	--	--	.12	--	<.01
		06-01-89	.5	.6	1.4	.15	.13	.11
		06-13-89	.5	--	--	.17	--	<.01

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
62	06889000	07-13-89	0.5	--	--	0.11	--	0.05
		08-14-89	1.5	--	--	.26	--	.15
		09-14-89	.6	--	--	.15	--	.09
		10-06-89	1.3	--	--	.37	--	.14
		11-20-89	1.0	--	--	.31	--	.16
		12-12-89	.7	--	--	.27	--	.12
		01-08-90	.8	--	--	.18	--	.14
		02-06-90	.9	--	--	.21	--	.15
		03-19-90	.8	--	--	.23	--	.09
		04-30-90	.6	--	--	.13	--	<.01

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
63	06889160	09-28-87	1010	--	<0.01	0.11	0.06	0.44
		07-29-88	0910	--	<.01	<.10	.02	.28
		11-14-88	1000	--	<.01	<.10	.08	.22
		03-07-89	1010	--	<.01	<.10	.04	.56
		06-01-89	1300	--	<.01	<.10	.04	.56
64	06889500	09-28-87	1200	0.46	.02	.48	.06	.54
		09-28-87	1215	.47	.02	.49	.05	.15
		07-28-88	1230	--	<.01	<.10	.02	--
		07-28-88	1235	--	<.01	<.10	.02	.38
		07-28-88	1830	--	<.01	<.10	.03	.27
		07-29-88	0005	--	<.01	.10	.03	.47
		07-29-88	0435	--	<.01	.11	<.01	--
		11-14-88	1530	--	<.01	.31	.03	.37
		03-07-89	1230	--	<.01	.19	.02	.58
		03-07-89	1235	--	<.01	.20	.03	1.6
		03-07-89	1330	--	<.01	.23	.03	1.7
		03-07-89	1335	--	<.01	.19	.02	.98
		05-31-89	1430	--	<.01	<.10	.03	.37
		05-31-89	1435	--	<.01	<.10	.03	.47
		03-07-89	1330	--	<.01	.23	.03	1.7
71	394757095434300	09-29-87	1030	2.5	.03	2.5	.02	.88
		07-27-88	0610	--	<.01	<.10	.11	.29
		11-17-88	1230	.42	.02	.44	.09	.71
		03-09-89	1100	1.3	.03	1.3	2.5	.80
		06-01-89	1445	--	.02	<.10	.19	.71
72	06890100	07-29-87	1045	--	--	.20	.10	--
		08-19-87	0925	--	--	.35	<.01	--
		09-23-87	1010	--	--	1.8	<.01	--
		09-29-87	1200	.77	.02	.79	<.01	--
		09-29-87	1205	.76	.02	.78	.03	.87
		10-21-87	0945	--	--	.44	.03	--
		11-24-87	0930	--	--	1.3	<.01	--
		12-23-87	0930	--	--	2.1	<.01	--
		01-20-88	1045	--	--	2.4	.11	--
		02-17-88	0930	--	--	2.0	.33	--
		03-16-88	1000	--	--	.07	.03	--
		04-20-88	1030	--	--	.15	.07	--
		05-18-88	0950	--	--	.19	<.01	--
		06-08-88	0945	--	--	<.01	<.01	--
		07-13-88	0915	--	--	<.01	.20	--
		07-27-88	0745	--	<.01	<.10	.03	.47
		08-10-88	1000	--	--	.08	.08	--
		08-31-88	1025	--	--	<.01	.04	--
		10-05-88	1000	--	--	<.01	.02	--
		11-09-88	1010	--	<.01	<.10	.04	--
		11-09-88	1020	--	--	--	--	--
		11-17-88	1020	--	<.01	<.10	.08	.62
		12-21-88	1010	--	--	.21	.03	--
		01-25-89	1215	--	<.01	.22	.03	--
		01-25-89	1220	--	--	--	--	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
72	06890100	02-15-89	1030	0.26	0.02	0.28	0.05	--
		02-15-89	1035	--	--	--	--	--
		03-09-89	1230	--	<.01	.12	.03	0.57
		03-15-89	1130	--	<.01	<.10	<.01	--
		03-15-89	1135	--	--	--	--	--
		04-19-89	0920	--	<.01	<.10	.03	--
		04-19-89	0925	--	--	--	--	--
		05-17-89	1315	--	<.01	<.10	.05	--
		05-17-89	1320	--	--	--	--	--
		05-22-89	1450	.16	.02	.18	.08	--

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
63	06889160	09-28-87	0.4	0.5	0.61	0.06	0.02	0.02
		07-29-88	.9	.3	--	.07	.02	<.01
		11-14-88	.3	.3	--	.06	.01	.02
		03-07-89	1.2	.6	--	.02	.01	.01
		06-01-89	.7	.6	--	.06	.03	.02
64	06889500	09-28-87	.4	.6	1.1	.05	.02	<.01
		09-28-87	.7	.2	.69	.04	.02	<.01
		07-28-88	.8	<.2	--	.09	.03	.02
		07-28-88	1.0	.4	--	.09	.03	.02
		07-28-88	.7	.3	--	.10	.03	.02
		07-29-88	.3	.5	.60	.09	.04	.02
		07-29-88	.7	.6	.71	.08	.04	.03
		11-14-88	.7	.4	.71	.07	.02	<.01
		03-07-89	1.6	.6	.79	.07	.02	.01
		03-07-89	1.6	1.6	1.8	.06	.02	.01
		03-07-89	3.7	1.7	1.9	.05	.02	.02
		03-07-89	1.0	1.0	1.2	.05	.02	<.01
		05-31-89	.5	.4	--	.11	.05	.04
		05-31-89	.3	.5	--	.10	.06	.04
		05-31-89	.3	.5	--	.10	.06	.04
71	394757095434300	09-29-87	.6	.9	3.4	.21	.19	.09
		07-27-88	1.3	.4	--	.21	.09	.08
		11-17-88	1.0	.8	1.2	.54	.49	.41
		03-09-89	3.3	3.3	4.6	1.0	.87	.81
		06-01-89	.7	.9	--	.60	.53	.49
72	06890100	07-29-87	1.1	--	--	.20	<.01	--
		08-19-87	1.2	--	--	.29	.21	--
		09-23-87	.2	--	--	.28	.18	--
		09-29-87	.5	.6	1.4	.07	.06	.03
		09-29-87	.5	.9	1.7	.06	.06	.05
		10-21-87	.6	--	--	.15	.10	--
		11-24-87	<.2	--	--	.12	.11	--
		12-23-87	.6	--	--	.24	.09	--
		01-20-88	.6	--	--	.45	.11	--
		02-17-88	1.4	--	--	.51	.20	--
		03-16-88	.5	--	--	.11	.08	--
		04-20-88	.6	--	--	.10	.05	--
		05-18-88	.5	--	--	.15	.03	--
		06-08-88	.8	--	--	.20	.07	--
		07-13-88	<.2	--	--	.20	.05	--
		07-27-88	.6	.5	--	1.2	.04	.03
		08-10-88	1.1	--	--	.81	<.01	--
		08-31-88	.8	--	--	.20	.07	--
		10-05-88	.4	--	--	.10	.04	--
		11-09-88	.6	--	--	.14	--	.08
		11-09-88	--	--	--	--	.10	--
		11-17-88	.8	.7	--	.10	.15	.13
		12-21-88	.4	--	--	.11	.10	--
		01-25-89	.8	--	--	.13	--	.05
		01-25-89	--	--	--	--	.06	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
72	06890100	02-15-89	1.0	--	--	0.13	--	0.05
		02-15-89	--	--	--	--	0.02	--
		03-09-89	.6	0.6	0.72	.14	.08	.07
		03-15-89	.5	--	--	.09	--	.05
		03-15-89	--	--	--	--	<.01	--
		04-19-89	1.0	--	--	.13	--	.05
		04-19-89	--	--	--	--	<.01	--
		05-17-89	1.2	--	--	.14	--	.04
		05-17-89	--	--	--	--	.06	--
		05-22-89	.9	--	--	.22	--	.05

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
72	06890100	06-02-89	0945	--	<0.01	<0.10	0.03	0.77
		06-14-89	0915	--	<.01	.25	.04	--
		06-14-89	0920	--	--	--	--	--
		07-12-89	0945	--	<.01	<.10	.02	--
		07-12-89	0950	--	--	--	--	--
		08-16-89	0935	--	<.01	<.10	.03	--
		08-16-89	0940	--	--	--	--	--
		09-06-89	1115	0.57	.03	.60	.11	--
		09-06-89	1120	--	--	--	--	--
		09-10-89	1155	.56	.04	.60	.09	--
		10-11-89	0925	--	<.01	<.10	<.01	--
		10-11-89	0930	--	--	--	--	--
		11-15-89	0920	--	<.01	<.10	.02	--
		11-15-89	0925	--	--	--	--	--
		12-13-89	1000	--	<.01	.19	.03	--
		12-13-89	1005	--	--	--	--	--
		01-24-90	0850	.41	.02	.43	.02	--
		01-24-90	0855	--	--	--	--	--
		02-07-90	1220	--	<.01	<.10	<.01	--
		02-07-90	1225	--	--	--	--	--
		03-21-90	1030	--	--	--	--	--
		03-21-90	1035	--	--	--	.09	--
		04-18-90	1055	--	--	.19	.03	--
		04-18-90	1100	--	--	--	--	--
73	392823095362800	09-29-87	1330	.14	.02	.16	.02	.78
		07-27-88	0810	.17	.01	.18	.17	.33
		11-17-88	1300	.70	.05	.75	1.5	1.1
		11-17-88	1305	.65	.05	.70	1.5	1.1
		11-17-88	1345	.64	.05	.69	1.4	1.1
		11-17-88	1350	.64	.05	.69	1.4	1.1
		03-09-89	1400	.81	.06	.87	1.1	.40
		03-09-89	1405	.80	.06	.86	.99	.21
		03-09-89	1440	.79	.06	.85	1.0	--
		03-09-89	1445	.79	.06	.85	.98	.42
		06-02-89	1100	.09	.06	.15	.15	.75
		06-02-89	1105	.09	.06	.15	.15	.75
74	06890900	07-29-87	0915	--	--	1.0	.10	--
		08-19-87	0830	--	--	.39	.84	--
		10-02-87	1115	--	<.01	.69	.06	.54
		10-21-87	0840	--	--	.73	<.01	--
		11-24-87	0915	--	--	.48	<.01	--
		12-23-87	0830	--	--	.54	.06	--
		01-20-88	0915	--	--	.63	.03	--
		02-17-88	1245	--	--	.46	<.01	--
		03-16-88	0915	--	--	.36	.04	--
		04-20-88	0915	--	--	.22	.02	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
74	06890900	05-18-88	1230	--	--	0.03	0.18	--
		06-08-88	1215	--	--	.22	.11	--
		07-13-88	1245	--	--	.70	<.01	--
		07-29-88	1020	--	<0.01	<.10	.67	0.63
		08-10-88	1300	--	--	<.01	.71	--
		08-31-88	1320	--	--	<.01	.06	--
		10-05-88	1300	--	--	.14	<.01	--
		11-09-88	1300	--	<.01	.17	.03	--
		11-09-88	1310	--	--	--	--	--
		11-15-88	1430	--	<.01	.17	.05	.55
		12-21-88	1315	--	--	.39	.06	--
		01-25-89	0840	--	<.01	--	.06	--
		01-25-89	0845	--	--	--	--	--
		02-15-89	1330	--	.01	<.10	.27	--
		02-15-89	1335	--	--	--	--	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
72	06890100	06-02-89	1.6	0.8	--	0.12	0.08	0.06
		06-14-89	.9	--	--	.11	--	.04
		06-14-89	--	--	--	--	<.01	--
		07-12-89	1.1	--	--	.15	--	.07
		07-12-89	--	--	--	--	.06	--
		08-16-89	.8	--	--	.17	--	.02
		08-16-89	--	--	--	--	.04	--
		09-06-89	1.3	--	--	.37	--	.16
		09-06-89	--	--	--	--	.21	--
		09-10-89	1.3	--	--	.33	--	.20
		10-11-89	.7	--	--	.14	--	.06
		10-11-89	--	--	--	--	.14	--
		11-15-89	.6	--	--	.15	--	.10
		11-15-89	--	--	--	--	.10	--
		12-13-89	.6	--	--	.13	--	.05
		12-13-89	--	--	--	--	.07	--
		01-24-90	.5	--	--	.11	--	.07
		01-24-90	--	--	--	--	.06	--
		02-07-90	.3	--	--	.07	--	.04
		02-07-90	--	--	--	--	.04	--
		03-21-90	--	--	--	--	--	--
		03-21-90	.7	--	--	.21	.11	--
		04-18-90	.5	--	--	.12	.07	--
		04-18-90	--	--	--	--	--	--
73	392823095362800	09-29-87	.4	.8	0.96	.27	.28	.21
		07-27-88	.8	.5	.68	1.8	.12	.10
		11-17-88	3.0	2.6	3.3	1.3	.98	.95
		11-17-88	3.1	2.6	3.3	1.2	1.0	.96
		11-17-88	3.0	2.5	3.2	1.2	1.0	.95
		11-17-88	3.1	2.5	3.2	1.2	1.0	.94
		03-09-89	2.0	1.5	2.4	.87	.73	.66
		03-09-89	1.2	1.2	2.1	.87	.75	.67
		03-09-89	1.6	--	--	.87	.73	.67
		03-09-89	2.2	1.4	2.2	.82	.73	.67
		06-02-89	1.0	.9	1.0	.57	.58	.51
		06-02-89	.8	.9	1.0	.61	.54	.52
74	06890900	07-29-87	1.1	--	--	.70	<.01	--
		08-19-87	1.3	--	--	.11	.03	--
		10-02-87	.5	.6	1.3	.03	.03	.02
		10-21-87	.6	--	--	.05	.02	--
		11-24-87	.4	--	--	.02	<.01	--
		12-23-87	.4	--	--	.02	<.01	--
		01-20-88	.5	--	--	.04	<.01	--
		02-17-88	.7	--	--	.04	.02	--
		03-16-88	.6	--	--	.02	<.01	--
		04-20-88	.4	--	--	.05	<.01	--

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
74	06890900	05-18-88	<0.2	--	--	0.02	--	--
		06-08-88	.6	--	--	.13	0.02	--
		07-13-88	.7	--	--	.19	.04	--
		07-29-88	1.3	1.3	--	.32	.03	0.06
		08-10-88	1.1	--	--	.79	.10	--
		08-31-88	.7	--	--	.09	.06	--
		10-05-88	.4	--	--	.05	<.01	--
		11-09-88	.5	--	--	.04	--	.02
		11-09-88	--	--	--	--	.03	--
		11-15-88	.6	.6	0.77	.05	.02	.02
		12-21-88	.5	--	--	.02	<.01	--
		01-25-89	.6	--	--	.03	--	<.01
		01-25-89	--	--	--	--	<.01	--
		02-15-89	.7	--	--	.04	--	.01
		02-15-89	--	--	--	--	.06	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
74	06890900	03-07-89	0800	--	<0.01	<0.10	0.08	0.52
		03-15-89	0845	--	--	--	--	--
		03-15-89	0850	--	<.01	<.10	.06	--
		04-19-89	1230	--	<.01	<.10	.02	--
		04-19-89	1235	--	--	--	--	--
		05-17-89	1040	--	.02	<.10	.16	--
		05-17-89	1045	--	--	--	--	--
		05-31-89	1630	0.24	.01	.25	.15	.65
		06-14-89	1215	--	.01	<.10	.13	--
		06-14-89	1220	--	--	--	--	--
		07-12-89	1250	--	<.01	<.10	.23	--
		07-12-89	1255	--	--	--	--	--
		08-16-89	1155	--	.03	<.10	.26	--
		08-16-89	1200	--	--	--	--	--
		09-13-89	1120	.32	.02	.34	.03	--
		09-13-89	1125	--	--	--	--	--
		10-11-89	1300	--	<.01	.61	.01	--
		10-11-89	1305	--	--	--	--	--
		11-15-89	1250	.54	.01	.55	<.01	--
		11-15-89	1255	--	--	--	--	--
		12-13-89	1300	--	<.01	.69	.01	--
		12-13-89	1305	--	--	--	--	--
		01-24-90	1220	.36	.01	.37	.04	--
		01-24-90	1225	--	--	--	--	--
		02-07-90	0940	--	<.01	.39	.01	--
		02-07-90	0945	--	--	--	--	--
		03-21-90	1315	--	--	.14	.05	--
		04-25-90	1405	--	--	.24	<.01	--
76	06891000	09-28-87	1500	--	<.01	.82	.04	.76
		07-27-88	1805	--	<.01	<.10	.03	.57
		07-28-88	0025	--	<.01	<.10	.03	.37
		07-28-88	0615	--	<.01	<.10	.03	--
		07-28-88	1215	--	<.01	<.10	.01	.39
		07-28-88	1220	--	<.01	<.10	.01	.19
		11-14-88	0600	.55	.02	.57	.08	.52
		11-14-88	0610	.54	.02	.56	.08	.52
		11-14-88	1000	.51	.03	.54	.10	.60
		11-14-88	1005	.51	.03	.54	.10	.60
		11-14-88	1400	.51	.03	.54	.19	.41
		11-14-88	1410	.55	.03	.58	.20	.60
		11-14-88	1800	.46	.03	.49	.14	.56
		11-14-88	1805	.47	.03	.50	.14	.46
		11-14-88	2200	.44	.03	.47	.10	.60
		11-14-88	2205	.43	.03	.46	.10	.50
		11-15-88	0200	.40	.02	.42	.04	.66
		11-15-88	0205	.40	.02	.42	.05	.75
		11-15-88	0605	.47	.03	.50	.06	.54
		03-07-89	0615	.57	.04	.61	.38	.42

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
76	06891000	03-07-89	1010	0.53	0.03	0.56	0.46	0.54
		03-07-89	1015	.54	.03	.57	.47	.43
		03-07-89	1400	.49	.03	.52	.56	.44
		03-07-89	1405	.49	.03	.52	.37	.63
		03-07-89	1410	.54	.03	.57	.57	.13
		03-07-89	1800	.50	.03	.53	.59	.51
		03-07-89	1805	.50	.03	.53	.61	.39
		03-07-89	2200	.52	.03	.55	.57	.43
		03-07-89	2205	.53	.03	.56	.54	.26
		03-08-89	0200	.51	.03	.54	.36	.34
		03-08-89	0205	.51	.03	.54	.37	.63
		03-08-89	0600	.58	.04	.62	.38	.42
		03-08-89	0605	.62	.04	.66	.42	.98
		05-31-89	1845	.78	.19	.97	.71	.49

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
74	06890900	03-07-89	0.6	0.6	--	0.03	0.01	0.02
		03-15-89	--	--	--	--	<.01	--
		03-15-89	.6	--	--	.02	--	<.01
		04-19-89	.7	--	--	.02	--	<.01
		04-19-89	--	--	--	--	<.01	--
		05-17-89	.4	--	--	.05	--	.01
		05-17-89	--	--	--	--	.09	--
		05-31-89	.7	.8	1.0	.05	.03	.01
		06-14-89	.5	--	--	.04	--	<.01
		06-14-89	--	--	--	--	<.01	--
		07-12-89	.6	--	--	.09	--	.04
		07-12-89	--	--	--	--	.02	--
		08-16-89	.8	--	--	.13	--	.02
		08-16-89	--	--	--	--	.02	--
		09-13-89	.7	--	--	.10	--	.04
		09-13-89	--	--	--	--	.07	--
		10-11-89	.5	--	--	.09	--	.03
		10-11-89	--	--	--	--	.07	--
		11-15-89	.4	--	--	.07	--	.05
		11-15-89	--	--	--	--	.04	--
		12-13-89	.8	--	--	.06	--	<.01
		12-13-89	--	--	--	--	.04	--
		01-24-90	.5	--	--	.05	--	.02
		01-24-90	--	--	--	--	.02	--
		02-07-90	.4	--	--	.05	--	.02
		02-07-90	--	--	--	--	.03	--
		03-21-90	.5	--	--	.06	<.01	--
		04-25-90	.6	--	--	.01	<.01	--
76	06891000	09-28-87	1.7	.8	1.6	.14	.09	.09
		07-27-88	1.3	.6	--	.20	.03	.01
		07-28-88	1.4	.4	--	.10	.04	.01
		07-28-88	1.4	<.2	--	.26	.03	.01
		07-28-88	1.0	.4	--	.20	.03	.01
		07-28-88	1.3	.2	--	.24	.02	.01
		11-14-88	.8	.6	1.2	.25	.19	.16
		11-14-88	.8	.6	1.2	.24	.19	.16
		11-14-88	.9	.7	1.2	.28	.22	.20
		11-14-88	.9	.7	1.2	.29	.20	.19
		11-14-88	.8	.6	1.1	.28	.21	.19
		11-14-88	1.0	.8	1.4	.28	.20	.19
		11-14-88	1.0	.7	1.2	.20	.19	.17
		11-14-88	.8	.6	1.1	.26	.19	.17
		11-14-88	.8	.7	1.2	.25	.18	.16
		11-14-88	1.0	.6	1.1	.23	.18	.16
		11-15-88	.7	.7	1.1	.20	.14	.13
		11-15-88	.8	.8	1.2	.19	.13	.13
		11-15-88	.9	.6	1.1	.24	.22	.19
		03-07-89	1.0	.8	1.4	.35	.25	.21

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
76	06891000	03-07-89	1.1	1.0	1.6	0.32	0.25	0.22
		03-07-89	1.3	.9	1.5	.32	.26	.21
		03-07-89	1.2	1.0	1.5	.31	.22	.19
		03-07-89	1.1	1.0	1.5	.29	.22	.19
		03-07-89	1.3	.7	1.3	.29	.22	.19
		03-07-89	1.1	1.1	1.6	.29	.22	.19
		03-07-89	1.4	1.0	1.5	.30	.23	.20
		03-07-89	1.5	1.0	1.5	.32	.24	.20
		03-07-89	.8	.8	1.4	.35	.23	.21
		03-08-89	1.2	.7	1.2	.27	.20	.17
		03-08-89	1.1	1.0	1.5	.27	.20	.17
		03-08-89	1.8	.8	1.4	.33	.22	.19
		03-08-89	1.4	1.4	2.1	.33	.24	.19
		05-31-89	1.2	1.2	2.2	.33	.28	.25

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
77	06891080	09-28-87	1205	0.84	0.01	0.85	0.04	0.66
		07-27-88	1825	--	<.01	<.10	.02	.38
		07-28-88	0605	--	<.01	<.10	.01	.29
		11-14-88	1030	.56	.02	.58	.12	.58
		03-07-89	1345	.45	.03	.48	.51	.49
		06-03-89	0935	.72	.15	.87	.13	.47
78	06891100	09-28-87	0930	.90	.01	.91	.03	.67
		07-28-88	0515	--	.01	<.10	.04	.96
		11-14-88	1440	.81	.03	.84	.11	.09
		03-07-89	1030	1.0	.07	1.1	.47	.63
		06-01-89	1800	.78	.20	.98	.41	.59
79	385329095353400	09-28-87	1545	.42	.03	.45	.02	.98
		07-29-88	0645	--	<.01	.21	.04	.36
		03-07-89	1600	--	<.01	<.10	.04	.46
		05-31-89	0930	--	<.01	<.10	.05	.75
83	06891500	07-29-87	1220	--	--	.20	<.01	--
		08-19-87	1100	--	--	.29	<.01	--
		09-23-87	1315	--	--	.15	<.01	--
		09-29-87	1530	--	<.01	.13	.02	.68
		09-29-87	1535	--	<.01	.12	.03	.77
		10-21-87	1130	--	--	<.01	<.01	--
		11-24-87	0915	--	--	<.01	<.01	--
		12-23-87	1115	--	--	1.2	<.05	--
		01-20-88	1215	--	--	.75	<.01	--
		02-17-88	1230	--	--	.30	<.01	--
		03-16-88	0905	--	--	.13	.04	--
		04-20-88	1245	--	--	.07	<.01	--
		05-18-88	0905	--	--	.38	<.01	--
		06-08-88	1300	--	--	<.01	.03	--
		07-13-88	1445	--	--	.18	.17	--
		07-29-88	0530	--	<.01	.11	.03	.77
		08-10-88	1500	--	--	<.01	.14	--
		08-31-88	1500	--	--	<.01	.04	--
		10-05-88	1500	--	--	.18	.04	--
		11-09-88	1545	--	.02	<.10	<.01	--
		11-09-88	1555	--	--	--	--	--
		12-21-88	1515	--	--	.04	.03	--
		01-25-89	1600	.75	.03	.78	.14	--
		01-25-89	1605	--	--	--	--	--
		02-15-89	1530	.23	.01	.24	.06	--
		02-15-89	1535	--	--	--	--	--
		03-07-89	1300	--	<.01	.15	.04	.46
		03-15-89	1430	--	<.01	<.10	<.01	--
		03-15-89	1435	--	--	--	--	--
		04-19-89	1445	--	<.01	<.10	.03	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
83	6891500	04-19-89	1450	--	--	--	--	--
		05-17-89	0750	--	<0.01	<0.10	0.06	--
		05-17-89	0755	--	--	--	--	--
		05-31-89	1045	--	<.01	<.10	.03	0.57
		06-14-89	1415	--	<.01	.24	.04	--
		06-14-89	1420	--	--	--	--	--
		07-12-89	1510	--	<.01	<.10	.10	--
		07-12-89	1515	--	--	--	--	--
		08-16-89	1325	--	<.01	<.10	.03	--
		08-16-89	1330	--	--	--	--	--
		09-13-89	0850	0.40	.03	.43	.08	--
		09-13-89	0855	--	--	--	--	--
		10-11-89	1520	--	<.01	.15	<.01	--
		10-11-89	1525	--	--	--	--	--
		11-15-89	1500	--	.01	<.10	.01	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
77	06891080	09-28-87	1.4	0.7	1.6	0.14	0.08	0.08
		07-27-88	1.2	.4	--	.15	<.01	.01
		07-28-88	1.8	.3	--	.14	.03	.01
		11-14-88	.7	.7	1.3	.20	.14	.13
		03-07-89	1.2	1.0	1.5	.27	.18	.16
		06-03-89	.5	.6	1.5	.26	.15	.14
78	06891100	09-28-87	1.3	.7	1.6	.15	.11	.10
		07-28-88	1.2	1.0	--	.26	.08	.06
		11-14-88	.9	.2	1.0	.31	.30	.31
		03-07-89	1.3	1.1	2.2	.41	.30	.26
		06-01-89	1.1	1.0	2.0	.70	.61	.43
79	385329095353400	09-28-87	1.0	1.0	1.5	.05	.03	.03
		07-29-88	.5	.4	.61	.09	.03	.01
		03-07-89	.6	.5	--	.05	.01	<.01
		05-31-89	.8	.8	--	.10	.05	.02
83	36891500	07-29-87	.7	--	--	.30	<.01	--
		08-19-87	1.2	--	--	.19	.03	--
		09-23-87	.8	--	--	.06	<.01	--
		09-29-87	.5	.7	.83	.02	.02	.02
		09-29-87	.6	.8	.92	.02	.02	<.01
		10-21-87	.9	--	--	.13	.03	--
		11-24-87	<.2	--	--	.07	<.01	--
		12-23-87	.9	--	--	.09	.03	--
		01-20-88	.5	--	--	.13	.02	--
		02-17-88	.6	--	--	.09	<.01	--
		03-16-88	.5	--	--	.03	<.01	--
		04-20-88	--	--	--	.12	<.01	--
		05-18-88	.5	--	--	.06	.02	--
		06-08-88	.7	--	--	.15	.02	--
		07-13-88	.7	--	--	.19	.03	--
		07-29-88	1.0	.8	.91	.04	<.01	.02
		08-10-88	.6	--	--	.44	<.01	--
		08-31-88	1.1	--	--	.16	.05	--
		10-05-88	.6	--	--	.04	<.01	--
		11-09-88	.6	--	--	.06	--	.02
		11-09-88	--	--	--	--	.03	--
		12-21-88	.5	--	--	.03	<.01	--
		01-25-89	2.5	--	--	.34	--	.04
		01-25-89	--	--	--	--	.02	--
		02-15-89	.4	--	--	.04	--	<.01
		02-15-89	--	--	--	--	.20	--
		03-07-89	.6	.5	.65	.04	.01	.01
		03-15-89	.6	--	--	.04	--	<.01
		03-15-89	--	--	--	--	<.01	--
		04-19-89	.4	--	--	.03	--	<.01

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
83	06891500	04-19-89	--	--	--	--	<0.01	--
		05-17-89	0.6	--	--	0.10	--	<0.01
		05-17-89	--	--	--	--	.02	--
		05-31-89	.4	0.6	--	.04	.02	.01
		06-14-89	.6	--	--	.02	--	<.01
		06-14-89	--	--	--	--	<.01	--
		07-12-89	.6	--	--	.05	--	.01
		07-12-89	--	--	--	--	<.01	--
		08-16-89	.7	--	--	.09	--	<.01
		08-16-89	--	--	--	--	.01	--
		09-13-89	.9	--	--	.11	--	.05
		09-13-89	--	--	--	--	.06	--
		10-11-89	.8	--	--	.08	--	<.01
		10-11-89	--	--	--	--	.05	--
		11-15-89	.8	--	--	.10	--	.03

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
83	06891500	11-15-89	1505	--	--	--	--	---
		12-13-89	1450	--	<0.01	<0.10	0.01	--
		12-13-89	1455	--	--	--	--	--
		01-24-90	1415	0.24	.02	.26	.02	--
		01-24-90	1420	--	--	--	--	--
		02-07-90	0730	--	<.01	.19	.02	--
		02-07-90	0735	--	--	--	--	--
		03-21-90	1535	--	--	.08	.02	--
		04-25-90	1205	--	--	.11	<.01	--
86	06891850	09-28-87	1045	--	<.01	<.10	.04	0.46
		07-28-88	0615	--	<.01	<.10	.16	.74
		07-28-88	0620	--	<.01	<.10	.16	.64
		07-28-88	1200	--	<.01	<.10	.03	.77
		03-08-89	1200	--	<.01	<.10	.01	.29
		06-02-89	1250	--	.02	<.10	.08	.82
87	06892000	09-28-87	1250	.42	.01	.43	.02	.68
		09-28-87	1255	.42	.01	.43	.02	.88
		07-28-88	0445	--	<.01	<.10	.03	.97
		07-28-88	1500	--	<.01	<.10	.04	.76
		11-14-88	1345	--	<.01	<.10	.03	.57
		11-14-88	1350	--	<.01	<.10	.03	.57
		03-08-89	1415	--	<.01	<.10	.01	.49
		06-02-89	1530	1.4	.12	1.5	.35	1.2
88	06892350	05-11-87	0955	1.1	.03	1.1	.08	--
		06-24-87	0940	1.7	.01	1.7	.05	--
		07-22-87	1340	--	<.01	1.0	.05	--
		08-19-87	0945	1.4	.01	1.4	.04	--
		09-21-87	0930	--	<.01	1.5	<.01	--
		09-28-87	1500	1.1	.04	1.1	.08	1.5
		10-20-87	1000	.22	.02	.24	.03	--
		11-23-87	0900	.53	.01	.54	.12	--
		12-22-87	0915	1.3	.02	1.3	.16	--
		01-19-88	1515	.97	.02	.99	.24	--
		02-17-88	0920	.98	.02	1.0	.20	--
		03-15-88	1245	.29	.01	.30	.03	--
		04-18-88	0945	--	<.01	.30	.03	--
		05-16-88	0945	--	<.01	<.10	.02	--
		06-06-88	1200	--	<.01	<.10	<.01	--
		07-01-88	1030	.50	.04	.54	.10	--
		07-07-88	1330	--	<.01	<.10	<.01	--
		07-27-88	1815	--	<.01	<.10	.03	.47
		07-27-88	2400	--	<.01	<.10	.01	.69
		07-28-88	0610	--	<.01	<.10	.02	.38
		07-28-88	1220	--	.01	<.10	.04	--
		07-28-88	1225	--	.01	<.10	.03	.67
		08-08-88	0945	--	.01	<.10	.02	--
		08-29-88	1045	.19	.02	.21	.02	--
		10-03-88	1020	--	<.01	.11	.02	--

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
88	06892350	11-08-88	1020	0.97	0.02	0.99	0.03	--
		11-16-88	1510	.68	.03	.71	.05	0.55
		11-16-88	1515	.68	.03	.71	.13	.37
		12-19-88	0950	.47	.06	.53	.22	--
		01-23-89	1140	.60	.11	.71	.05	--
		02-21-89	1010	.61	.04	.65	.36	--
		03-07-89	1550	1.1	.04	1.1	.36	.84
		03-07-89	1555	.96	.04	1.0	.34	.86
		03-07-89	1630	--	.04	--	.36	.94
		03-07-89	1635	1.1	.04	1.1	.36	.64

Table 8. Concentrations of nutrients in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
83	06891500	11-15-89	--	--	--	--	0.03	--
		12-13-89	0.7	--	--	0.04	--	<0.01
		12-13-89	--	--	--	--	<.01	--
		01-24-90	.7	--	--	.07	--	.01
		01-24-90	--	--	--	--	.02	--
		02-07-90	.4	--	--	.05	--	<.01
		02-07-90	--	--	--	--	.02	--
		03-21-90	.7	--	--	.09	<.01	--
		04-25-90	.5	--	--	.05	<.01	--
86	06891850	09-28-87	1.2	0.5	--	.04	.03	.01
		07-28-88	1.2	.9	--	.13	.06	.03
		07-28-88	1.3	.8	--	.13	.05	.02
		07-28-88	1.8	.8	--	.25	.04	.01
		03-08-89	.8	.3	--	.07	.03	.03
		06-02-89	.7	.9	--	.06	.03	.02
87	06892000	09-28-87	.9	.7	1.1	.04	.04	.02
		09-28-87	.9	.9	1.3	.04	.04	.02
		07-28-88	1.0	1.0	--	.13	.01	.03
		07-28-88	1.0	.8	--	.16	.05	.04
		11-14-88	.9	.6	--	.14	.05	.04
		11-14-88	1.3	.6	--	.15	.04	.03
		03-08-89	.6	.5	--	.09	.03	.03
		06-02-89	1.7	1.5	3.0	.19	.08	.08
88	06892350	05-11-87	1.5	--	--	.43	--	.12
		06-24-87	1.4	--	--	.38	--	.12
		07-22-87	2.1	--	--	.40	--	.11
		08-19-87	1.2	--	--	.41	--	.17
		09-21-87	.2	--	--	.19	--	.17
		09-28-87	2.0	1.6	2.7	.32	.32	.35
		10-20-87	1.1	--	--	.12	--	.05
		11-23-87	.8	--	--	.20	--	.14
		12-22-87	.5	--	--	.25	--	.06
		01-19-88	.5	--	--	.26	--	.13
		02-17-88	1.2	--	--	.03	--	.11
		03-15-88	1.2	--	--	.10	--	.03
		04-18-88	.6	--	--	.13	--	.11
		05-16-88	.6	--	--	.26	--	<.01
		06-06-88	.7	--	--	.15	--	<.05
		07-01-88	.9	--	--	.16	--	.04
		07-07-88	1.1	--	--	.28	--	.06
		07-27-88	.9	.5	--	.16	.04	.03
		07-27-88	1.4	.7	--	.20	.02	.03
		07-28-88	.5	.4	--	.18	.06	.04
		07-28-88	1.4	<.2	--	.20	.06	.04
		07-28-88	1.1	.7	--	.15	.06	.04
		08-08-88	1.5	--	--	.23	--	.03
		08-29-88	1.5	--	--	.40	--	.15
		10-03-88	1.8	--	--	.34	--	.08

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
88	06892350	11-08-88	0.3	--	--	0.25	--	0.16
		11-16-88	.9	0.6	1.3	.35	0.30	.26
		11-16-88	.9	.5	1.2	.35	.30	.27
		12-19-88	.8	--	--	.28	--	.16
		01-23-89	1.2	--	--	.55	--	.32
		02-21-89	1.3	--	--	.42	--	.21
		03-07-89	1.2	1.2	2.3	.35	.23	.20
		03-07-89	1.4	1.2	2.2	.38	.25	.20
		03-07-89	1.1	1.3	--	.36	.27	.22
		03-07-89	1.3	1.0	2.1	.39	.28	.22

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Nitro- gen, nitrate, dissolved (mg/L as N) (00618)	Nitro- gen, nitrite, dissolved (mg/L as N) (00613)	Nitro- gen, NO ₂ +NO ₃ , dissolved (mg/L as N) (00631)	Nitro- gen, ammonia, dissolved (mg/L as N) (00608)	Nitro- gen, organic, dissolved (mg/L as N) (00607)
88	06892350	03-13-89	0925	0.54	0.03	0.57	0.01	--
		04-18-89	1255	.09	.01	.10	.02	--
		05-19-89	0920	--	<.01	<.10	.03	--
		05-30-89	1905	.62	.12	.74	.03	0.27
		05-30-89	1910	.61	.12	.73	.03	.57
		06-12-89	0930	--	<.01	<.10	.02	--
		07-14-89	0855	1.1	.07	1.2	.03	--
		08-15-89	0915	1.5	.02	1.5	.03	--
		09-07-89	1325	.56	.09	.65	.22	--
		09-15-89	0915	--	<.01	.99	.02	--
		10-05-89	0935	.88	.02	.90	.01	--
		11-14-89	1035	.76	.02	.78	.02	--
		12-11-89	0930	.69	.02	.71	.19	--
		01-12-90	0920	.76	.05	.81	.45	--
		02-05-90	0930	.81	.04	.85	.36	--
		03-15-90	1220	1.1	.02	1.1	.13	--
		04-23-90	1500	--	<.01	<.10	<.01	--
90	06892940	09-28-87	1250	7.3	.97	8.3	.93	2.7
		07-29-88	0510	8.1	.72	8.8	--	--
		07-29-88	0515	7.5	.67	8.2	5.1	2.6
		11-14-88	1210	--	.68	--	--	--
		11-14-88	1215	4.6	.69	5.3	4.6	2.4
		11-14-88	1315	6.1	.67	6.8	4.4	2.0
		11-14-88	1320	5.8	.66	6.5	4.2	2.6
		03-07-89	0925	4.0	.45	4.5	11	2.0
		06-02-89	1440	4.7	.62	5.3	2.0	3.0
91	06892950	09-28-87	1115	.71	.04	.75	.11	1.2
		07-29-88	0615	.53	.06	.59	.77	.23
		11-14-88	1000	1.4	.04	1.4	.48	.32
		03-07-89	1320	.94	.04	.98	.33	.87
		06-02-89	1145	.20	.05	.25	.71	.89

Table 8. Concentrations of nutrients in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nitrogen, ammonia + organic, total (mg/L as N) (00625)	Nitrogen, ammonia + organic, dissolved (mg/L as N) (00623)	Nitrogen, dissolved (mg/L as N) (00602)	Phos- phorus, total (mg/L as P) (00665)	Phos- phorus, dissolved (mg/L as P) (00666)	Phos- phorus, ortho, dissolved (mg/L as P) (00671)
88	06892350	03-13-89	1.0	--	--	0.28	--	0.18
		04-18-89	.9	--	--	.21	--	.10
		05-19-89	3.0	--	--	.38	--	.15
		05-30-89	.6	0.3	1.0	.53	0.23	.18
		05-30-89	.7	.6	1.3	.29	.22	.18
		06-12-89	.6	--	--	.45	--	.14
		07-14-89	.5	--	--	.15	--	.11
		08-15-89	1.1	--	--	.25	--	.22
		09-07-89	1.7	--	--	.43	--	.06
		09-15-89	1.4	--	--	.13	--	.09
		10-05-89	.7	--	--	.41	--	.19
		11-14-89	1.2	--	--	.43	--	.26
		12-11-89	.7	--	--	.26	--	.13
		01-12-90	1.0	--	--	.30	--	.21
		02-05-90	.9	--	--	.30	--	.25
		03-15-90	1.7	--	--	.28	--	.07
		04-23-90	.9	--	--	.20	--	.06
90	06892940	09-28-87	6.0	3.6	12	8.3	7.8	6.2
		07-29-88	14	--	--	8.7	8.2	6.7
		07-29-88	14	7.7	16	8.5	7.7	6.3
		11-14-88	7.5	6.3	--	6.9	6.3	5.1
		11-14-88	7.2	7.0	12	6.8	6.2	4.9
		11-14-88	6.9	6.4	13	7.2	6.8	5.3
		11-14-88	7.5	6.8	13	7.5	6.7	5.4
		03-07-89	3.6	13	17	7.3	6.7	5.4
		06-02-89	5.9	5.0	10	3.4	3.7	3.2
91	06892950	09-28-87	2.0	1.3	2.0	.14	.11	.10
		07-29-88	.6	1.0	1.6	.55	.34	.50
		11-14-88	.8	.8	2.2	.41	.30	.27
		03-07-89	1.4	1.2	2.2	.43	.22	.20
		06-02-89	1.7	1.6	1.8	.53	.36	.33

Table 9. Concentrations of trace elements and cyanide in water

[Number in parentheses is U.S. Environmental Protection Agency identification code. Varying detection levels result from different laboratories performing analyses and different analyses requested. µg/L, micrograms per liter; mg/L, milligrams per liter; --, not determined; <, less than]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (mg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)
1	06879100	05-14-87	1120	60	--	2	120	<0.5	50	--	<1
		06-03-87	1145	30	--	3	140	<.5	90	--	<1
		06-22-87	1445	<10	--	3	130	<.5	90	--	<1
		07-21-87	0930	--	<1	3	150	<.5	--	0.08	.9
		08-18-87	1045	<10	--	4	150	<.5	110	--	.6
		09-21-87	1000	<10	--	3	160	<.5	130	--	.3
		10-20-87	1100	<10	1	3	150	<.5	120	.15	.3
		11-23-87	1045	<10	--	3	140	<.5	130	--	.2
		12-21-87	1100	<10	--	2	130	<.5	120	--	19
		01-22-88	1005	--	<1	2	120	<.5	110	.12	.5
		02-16-88	1030	<10	--	2	120	<.5	120	--	.2
		03-14-88	1030	--	--	2	120	<.5	--	--	.2
		04-20-88	1120	--	<1	2	120	<.5	--	.18	2.0
		05-17-88	1230	--	--	2	130	<.5	--	--	.1
		06-09-88	1200	--	--	3	130	<.5	--	--	.2
		07-06-88	0855	--	1	4	99	<.5	--	.06	.3
		08-11-88	0940	--	--	3	130	<.5	--	--	.4
		09-02-88	0920	--	--	3	140	<.5	--	--	.3
		10-07-88	1230	--	<1	3	140	<.5	--	.14	.4
		11-04-88	1315	--	--	3	150	.6	--	--	.5
		12-16-88	0910	--	--	2	130	<.5	--	--	.2
		01-27-89	1015	--	<1	2	120	<.5	--	.17	.2
		02-17-89	1210	--	--	2	120	<.5	--	--	<.1
		03-17-89	1000	--	--	2	110	<.5	--	--	.1
		04-24-89	1035	--	<1	2	130	<.5	--	.16	<.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (mg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)
1	06879100	05-16-89	0815	--	--	2	140	<0.5	--	--	<0.1
		05-25-89	1100	--	--	2	70	<.5	--	--	<.1
		06-15-89	1005	--	--	2	85	<.5	--	--	<.1
		07-11-89	0830	--	--	4	94	<.5	--	--	<.1
		08-18-89	0835	--	--	3	180	<.5	--	--	<.1
		09-11-89	1045	--	--	3	100	<.5	--	--	<.1
		10-02-89	1030	--	--	3	170	<.5	--	--	<.1
		11-17-89	0900	--	--	3	150	<.5	--	--	<.1
		12-19-89	1115	--	--	3	120	<.5	--	--	.3
		01-10-90	1420	--	--	2	130	<.5	--	--	.3
		02-09-90	0910	--	--	2	140	<.5	--	--	.6
		03-23-90	1040	--	--	3	120	<.5	--	--	1
		04-27-90	1200	--	--	2	130	<.5	--	--	<.1
3	06879650	05-20-87	1025	10	--	<1	110	<.5	30	--	<1
		05-27-87	0950	110	--	<1	--	<.5	20	--	<1
		06-22-87	1040	<10	--	<1	110	<.5	30	--	<1
		07-21-87	1145	--	<1	<1	120	<.5	--	0.02	.6
		01-19-88	1110	<10	1	<1	110	<.5	30	<.01	1.2
		02-16-88	1400	<10	--	<1	110	<.5	30	--	.2
		03-14-88	1500	--	--	<1	110	<.5	--	--	.5
		04-18-88	1535	--	<1	<1	98	<.5	--	<.01	.1
		05-17-88	1015	--	--	<1	110	<.5	--	--	<.1
		06-09-88	1300	--	--	<1	120	<.5	--	--	<.1
		09-08-89	2150	--	--	2	80	<.5	--	--	.2
		09-08-89	2205	--	--	2	71	<.5	--	--	<.1
		09-08-89	2250	--	--	2	44	<.5	--	--	<.1
		09-09-89	0020	--	--	1	54	<.5	--	--	<.1
		09-09-89	0235	--	--	1	73	<.5	--	--	.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved (mg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
3	06879650	09-09-89	0500	--	--	1	80	<0.5	--	--	<0.1
		09-09-89	0715	--	--	1	80	<.5	--	--	.3
		09-11-89	1520	--	--	<1	110	<.5	--	--	.3
		10-03-89	0855	--	--	<1	120	<.5	--	--	.2
		11-17-89	1315	--	--	<1	110	<.5	--	--	<.1
		12-15-89	1305	--	--	<1	110	<.5	--	--	.5
		02-13-90	1030	--	--	<1	120	<.5	--	--	.3
		03-13-90	2055	--	--	<1	89	<.5	--	--	<.1
		03-13-90	2140	--	--	1	46	<.5	--	--	<.1
		03-13-90	2355	--	--	<1	61	<.5	--	--	<.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
1	06879100	05-14-87	<5	<3	<10	--	38	<10	21	6
		06-03-87	<5	<3	<10	--	9	<10	38	2
		06-22-87	<5	<3	8	--	<3	<5	38	<1
		07-21-87	<5	<3	3	--	5	.8	35	2
		08-18-87	<5	<3	3	--	6	.7	36	<1
		09-21-87	<5	<3	3	--	<3	<5	33	7
		10-20-87	<5	<3	4	<0.01	5	<5	37	25
		11-23-87	<5	<3	2	--	5	<5	44	33
		12-21-87	<5	<3	42	--	6	12	36	37
		01-22-88	.9	<3	2	<0.01	9	<5	36	48
		02-16-88	<5	<3	2	--	8	<5	47	36
		03-14-88	<5	<3	2	--	130	<5	51	28
		04-20-88	8	<3	2	<0.01	7	<5	56	28
		05-17-88	<5	<3	2	--	<3	<5	43	21
		06-09-88	<5	<3	2	--	4	<5	46	6
		07-06-88	<5	<3	2	<0.01	7	<5	28	6
		08-11-88	<5	<3	1	--	11	<5	49	8
		09-02-88	<5	<3	1	--	<3	<5	37	5
		10-07-88	<5	<3	1	<0.01	7	<5	38	14
		11-04-88	1	<3	4	--	11	.5	54	79
		12-16-88	.5	<3	2	--	9	<5	55	89
		01-27-89	1	<3	<5	<0.01	9	<5	61	97
		02-17-89	<5	9	2	--	11	.7	56	110
		03-17-89	<5	<3	<5	--	10	<5	50	81
		04-24-89	<5	<3	<5	<0.01	18	<5	57	68
		05-16-89	<5	<3	<5	--	12	<5	40	36
		05-25-89	<5	<3	2	--	17	<5	13	1
		06-15-89	<5	<3	2	--	19	<5	21	1
		07-11-89	<5	<3	2	--	13	<5	11	1
		08-18-89	<5	<3	2	--	91	<5	34	3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
1	06879100	09-11-89	<0.5	<3	2	--	31	<0.5	12	<1
		10-02-89	<.5	<3	2	--	<3	<.5	28	5
		11-17-89	<.5	<3	.9	--	10	<.5	40	38
		12-19-89	<.5	<3	1	--	6	<.5	23	6
		01-10-90	<.5	<3	1	--	<3	<.5	39	39
		02-09-90	<.5	<3	4	--	4	<.5	35	46
		03-23-90	1	<3	5	--	4	<.5	24	29
		04-27-90	<.5	<3	.6	--	4	<.5	37	9
		05-20-87	<5	<3	<10	--	6	<10	18	2
		05-27-87	<5	<3	<10	--	--	<10	8	3
3	06879650	06-22-87	<5	<3	1	--	<3	<.5	17	1
		07-21-87	<.5	<3	.7	<0.01	<3	.5	20	<1
		01-19-88	<.5	<3	1	<.01	<3	<.5	10	4
		02-16-88	<.5	<3	.7	--	57	<.5	16	2
		03-14-88	<.5	<3	3	--	9	.7	10	10
		04-18-88	<.5	<3	.6	<.01	<3	<.5	8	2
		05-17-88	<.5	<3	.7	--	3	<.5	16	3
		06-09-88	<.5	<3	<.5	--	<3	<.5	16	3
		09-08-89	<.5	<3	1	--	9	<.5	9	48
		09-08-89	<.5	<3	.8	--	13	<.5	6	8
		09-08-89	<.5	<3	1	--	23	<.5	<4	<1
		09-09-89	<.5	<3	2	--	44	<.5	6	<1
		09-09-89	<.5	<3	2	--	33	<.5	8	1
		09-09-89	<.5	<3	.6	--	13	<.5	9	<1
		09-09-89	<.5	<3	.8	--	14	<.5	9	<1
		09-11-89	<.5	<3	.7	--	5	1	13	1
		10-03-89	<.5	<3	.6	--	<3	<.5	14	1
		11-17-89	<.5	<3	<.5	--	<3	<.5	13	1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved ($\mu\text{g/L}$ as Cr) (01030)	Cobalt, dissolved ($\mu\text{g/L}$ as Co) (01035)	Copper, dissolved ($\mu\text{g/L}$ as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved ($\mu\text{g/L}$ as Fe) (01046)	Lead, dissolved ($\mu\text{g/L}$ as Pb) (01049)	Lithium, dissolved ($\mu\text{g/L}$ as Li) (01130)	Manganese, dissolved ($\mu\text{g/L}$ as Mn) (01056)
3	06879650	12-15-89	<0.5	<3	<0.5	--	<3	<0.5	13	2
		02-13-90	<.5	<3	2	--	6	<.5	12	<1
		03-13-90	<.5	<3	1	--	5	<.5	7	470
		03-13-90	<.5	<3	2	--	61	<.5	4	1
		03-13-90	<.5	<3	1	--	18	<.5	7	<1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (as Hg) (71890)	Molyb- denum, dissolved (as Mo) (01060)	Nickel, dissolved (as Ni) (01065)	Selenium, dissolved (as Se) (01145)	Silver, dissolved (as Ag) (01075)	Strontium, dissolved (as Sr) (01080)	Vanadium, dissolved (as V) (01085)	Zinc, dissolved (as Zn) (01090)
1	06879100	05-14-87	<0.1	<10	<10	--	2	480	<6	10
		06-03-87	.3	10	<10	--	<1	790	6	<3
		06-22-87	.5	20	<10	--	<1	770	7	5
		07-21-87	.5	<10	--	7	--	750	7	8
		08-18-87	.7	<10	<10	--	<1	900	8	3
		09-21-87	.2	<10	<10	--	1	1,100	7	<3
		10-20-87	.3	<10	<10	3	<1	1,100	<6	<3
		11-23-87	.7	<10	<10	--	<1	1,200	<6	<3
		12-21-87	.2	10	<10	--	<1	1,200	<6	12
		01-22-88	.6	<10	<10	<1	<1	1,200	<6	4
		02-16-88	<.1	10	<10	--	<1	1,300	<6	12
		03-14-88	<.1	10	<10	--	<1	1,300	<6	<3
		04-20-88	.2	<10	<10	3	<1	1,400	<6	16
		05-17-88	.1	<10	<10	--	2	1,300	<6	5
		06-09-88	.1	10	<10	--	1	1,200	<6	3
		07-06-88	<.1	<10	<10	2	<1	750	8	7
		08-11-88	<.1	10	<10	--	<1	1,100	<6	12
		09-02-88	<.1	10	<10	--	<1	830	<6	7
		10-07-88	1.1	<10	<10	1	<1	890	<6	13
		11-04-88	<.1	<10	<10	--	<1	1,200	<6	11
		12-16-88	<.1	<10	<10	--	<1	1,300	<6	14
		01-27-89	<.1	<10	<10	2	<1	1,400	<6	7
		02-17-89	.1	30	30	--	4	1,500	18	9
		03-17-89	<.1	<10	<10	--	<1	1,200	<6	9
		04-24-89	.6	10	10	1	1	1,300	<6	10
		05-16-89	1.4	<10	<10	--	2	990	<6	7
		05-25-89	.1	<10	<10	--	2	370	<6	8
		06-15-89	.1	<10	<10	--	<1	410	6	<3
		07-11-89	<.1	<10	10	--	<1	290	11	<3
		08-18-89	<.1	<10	10	--	<1	680	9	4

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved ($\mu\text{g/L}$ as Hg) (71890)	Molyb- denum, dissolved ($\mu\text{g/L}$ as Mo) (01060)	Nickel, dissolved ($\mu\text{g/L}$ as Ni) (01065)	Selenium, dissolved ($\mu\text{g/L}$ as Se) (01145)	Silver, dissolved ($\mu\text{g/L}$ as Ag) (01075)	Strontium, dissolved ($\mu\text{g/L}$ as Sr) (01080)	Vanadium, dissolved ($\mu\text{g/L}$ as V) (01085)	Zinc, dissolved ($\mu\text{g/L}$ as Zn) (01090)
1	06879100	09-11-89	<0.1	<10	<10	--	<1	330	6	4
		10-02-89	<1	<10	<10	--	<1	730	<6	4
		11-17-89	<1	<10	<10	--	<1	930	<6	10
		12-19-89	<1	<10	<10	--	<1	560	<6	13
		01-10-90	<1	<10	<10	--	<1	970	<6	17
		02-09-90	.5	10	<10	--	<1	920	<6	5
		03-23-90	<1	<10	<10	--	<1	740	<6	<3
		04-27-90	<1	<10	<10	--	<1	1,000	<6	7
3	06879650	05-20-87	<1	<10	<10	--	4	980	<6	<3
		05-27-87	.5	<10	<10	--	--	230	<6	3
		06-22-87	.4	<10	<10	--	2	970	<6	9
		07-21-87	.4	<10	<10	2	--	1,000	<6	3
		01-19-88	<1	<10	<10	<1	<1	1,000	<6	<3
		02-16-88	.2	<10	<10	--	<1	1,000	<6	210
		03-14-88	<1	<10	<10	--	1	1,000	<6	17
		04-18-88	<1	<10	<10	<1	<1	930	<6	<3
		05-17-88	<1	<10	<10	--	<1	1,000	<6	4
		06-09-88	<1	<10	<10	--	<1	1,000	<6	4
		09-08-89	<1	<10	<10	--	<1	560	<6	3
		09-08-89	<1	<10	<10	--	<1	390	<6	8
		09-08-89	<1	<10	<10	--	<1	240	<6	<3
		09-09-89	<1	<10	<10	--	<1	340	<6	<3
		09-09-89	<1	<10	<10	--	<1	510	<6	<3
		09-09-89	<1	<10	<10	--	<1	610	<6	5
		09-09-89	<1	<10	<10	--	<1	580	<6	5
		09-11-89	<1	<10	<10	--	1	930	<6	<3
		10-03-89	<1	<10	<10	--	<1	1,000	<6	<3
		11-17-89	<1	<10	<10	--	<1	1,000	<6	6

Table 9. *Concentrations of trace elements and cyanide in water--Continued*

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved ($\mu\text{g/L}$ as Hg) (71890)	Molyb- denum, dissolved ($\mu\text{g/L}$ as Mo) (01060)	Nickel, dissolved ($\mu\text{g/L}$ as Ni) (01065)	Selenium, dissolved ($\mu\text{g/L}$ as Se) (01145)	Silver, dissolved ($\mu\text{g/L}$ as Ag) (01075)	Strontium, dissolved ($\mu\text{g/L}$ as Sr) (01080)	Vanadium, dissolved ($\mu\text{g/L}$ as V) (01085)	Zinc, dissolved ($\mu\text{g/L}$ as Zn) (01090)
3	06879650	12-15-89	<0.1	<10	<10	--	<1	1,000	<6	4
		02-13-90	.9	<10	<10	--	<1	1,100	<6	<3
		03-13-90	<.1	<10	<10	--	<1	560	<6	7
		03-13-90	<.1	<10	<10	--	<1	270	<6	<3
		03-13-90	<.1	<10	<10	--	<1	450	<6	6

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)
3	06879650	03-20-90	1130	--	--	<1	91	<0.5	--	--
		04-27-90	1715	--	--	<1	98	<.5	--	--
23	06880800	05-13-87	0930	30	--	4	160	<.5	40	--
		05-21-87	0915	<10	--	6	190	<.5	50	--
		06-03-87	0945	--	--	2	76	<.5	20	--
		06-09-87	1000	--	--	2	62	.5	20	--
		06-10-87	1100	80	--	2	86	.6	20	--
		06-16-87	1030	50	--	4	200	<.5	40	--
		07-15-87	1100	<10	2	5	170	5.0	50	<0.01
		08-11-87	1000	10	--	6	180	<.5	50	--
		09-09-87	1030	<10	--	11	190	<.5	60	--
		10-05-87	1120	<10	1	5	190	<.5	60	.06
		11-03-87	1000	<10	--	6	170	<.5	70	--
		12-01-87	1000	<10	--	4	150	<.5	60	--
		01-26-88	1030	<10	--	5	160	<.5	60	--
		02-22-88	1100	<10	1	4	130	<.5	50	.05
		03-21-88	1100	--	--	5	150	<.5	--	--
		04-18-88	1020	--	--	6	140	<.5	--	--
		05-24-88	1130	--	<1	6	140	<.5	--	.03
		06-20-88	1030	--	--	--	170	<.5	--	--
		07-18-88	1000	--	--	7	170	<.5	--	--
		08-08-88	1115	--	1	8	170	<.5	--	.05
		08-31-88	1400	--	--	7	180	<.5	--	--
		10-12-88	1230	--	--	5	160	<.5	--	--
		11-07-88	1200	--	<1	5	180	<.5	--	.06
		12-06-88	1000	<10	<1	4	150	<.5	--	.05
		01-03-89	1130	<10	<1	5	170	<.5	--	.08

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)
23	06880800	02-07-89	1000	<10	--	4	170	<0.5	--	--
		03-07-89	1400	20	--	4	160	<.5	--	--
		04-04-89	0955	10	<1	6	160	<.5	--	<0.01
		05-02-89	0830	<10	--	7	160	<.5	--	--
		06-21-89	1020	20	2	7	160	<.5	--	.05
		06-27-89	1030	140	--	3	67	<.5	--	--
		06-28-89	1200	200	--	3	58	<.5	--	--
		06-29-89	1130	130	--	3	76	<.5	--	--
		06-30-89	0915	110	2	4	80	<.5	--	.02
		08-22-89	1010	20	--	6	180	<.5	--	--
		09-05-89	1030	490	--	3	52	<.5	--	--
		10-31-89	1330	<10	1	5	190	<.5	--	.07
		11-28-89	1000	<10	--	4	170	<.5	--	--
		12-18-89	1135	<10	--	5	180	<.5	--	--
		01-17-90	1130	10	<1	4	160	<.5	--	.07
		02-12-90	1400	20	--	4	150	<.5	--	--
		03-26-90	1000	20	--	5	150	<.5	--	--
		04-17-90	1545	<10	<1	5	160	<.5	--	.05
35	06882000	05-12-87	1100	<10	--	4	120	1.0	40	--
		05-19-87	1115	<10	--	14	180	<.5	--	--
		06-02-87	1230	360	--	2	92	<.5	20	--
		06-10-87	1300	100	--	2	110	.8	30	--
		06-16-87	1000	<10	--	4	150	<.5	40	--
		06-19-87	1100	<10	--	3	88	<.5	40	--
		07-14-87	1200	20	2	5	160	<.5	--	<.01
		08-10-87	1130	--	--	6	130	<.5	--	--
		09-08-87	1100	<10	--	11	150	<.5	60	--
		10-05-87	1200	<10	1	6	180	<.5	70	.04

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)
35	06882000	11-02-87	1100	<10	--	5	150	<0.5	70	--
		12-01-87	1100	<10	--	4	140	<.5	60	--
		01-26-88	1130	180	--	4	140	<.5	20	--
		02-23-88	1130	<10	<1	3	110	<.5	50	0.03
		03-21-88	1130	<10	--	4	120	<.5	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, dissolved (µg/L as Cd) (01025)	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)
3	06879650	03-20-90	<0.1	<0.5	<3	<0.5	--
		04-27-90	<.1	<.5	<3	<.5	--
23	06880800	05-13-87	1.0	<5	<3	<10	--
		05-21-87	<1	<5	<3	<10	--
		06-03-87	3.0	<5	<3	20	--
		06-09-87	1	<5	<3	10	--
		06-10-87	2.0	<5	<3	<10	--
		06-16-87	<1	<5	<3	<10	--
		07-15-87	<1	<5	<3	14	<0.01
		08-11-87	2.0	<5	<3	5	--
		09-09-87	1	<5	<3	2	--
		10-05-87	<1	<5	<3	1	<0.01
		11-03-87	<1	<1	<3	5	--
		12-01-87	<1	<2	<3	<10	--
		01-26-88	<1	<1	<3	<10	--
		02-22-88	<1	1	<3	2	<0.01
		03-21-88	<1	1	<3	3	--
		04-18-88	<1	--	<3	3	--
		05-24-88	2.0	2	<3	4	<0.01
		06-20-88	<1	<5	<3	<10	--
		07-18-88	1	--	<3	3	--
		08-08-88	<1	--	<3	2	<0.01
		08-31-88	<1	<1	<3	3	--
		10-12-88	<1	<1	<3	2	--
		11-07-88	<1	<1	<3	7	<0.01
		12-06-88	<1	2	<3	2	--
		01-03-89	<1	1	<3	3	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, dissolved (µg/L as Cd) (01025)	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)
23	06880800	02-07-89	<1	1	<3	7	--
		03-07-89	2.0	1	<3	2	--
		04-04-89	<1	1	<3	2	--
		05-02-89	<1	<1	<3	1	--
		06-21-89	5.0	1	<3	3	--
		06-27-89	<1	1	<3	11	--
		06-28-89	<1	1	<3	12	--
		06-29-89	<1	1	<3	5	--
		06-30-89	<1	2	<3	8	--
		08-22-89	<1	1	<3	2	--
		09-05-89	<1	2	<3	5	--
		10-31-89	1	1	<3	<1	--
		11-28-89	<1	<1	<3	5	--
		12-18-89	<1	1	<3	2	--
		01-17-90	<1	1	<3	7	--
		02-12-90	<1	1	<3	2	--
		03-26-90	1	<5	<3	<10	--
		04-17-90	<1	2	<3	3	--
35	06882000	05-12-87	<1	<5	<3	<10	--
		05-19-87	2.0	<1	<3	3	--
		06-02-87	<1	<5	<3	<10	--
		06-10-87	1	<5	<3	<10	--
		06-16-87	<1	<5	<3	<10	--
		06-19-87	1	<5	<3	10	--
		07-14-87	<1	<1	<3	6	<0.01
		08-10-87	<1	<5	<3	4	--
		09-08-87	2.0	<5	<3	4	--
		10-05-87	<1	<5	<3	3	<.01

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, dissolved (µg/L as Cd) (01025)	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)
35	06882000	11-02-87	<1	<1	<3	6	--
		12-01-87	<1	<1	<3	3	--
		01-26-88	1	<1	<3	<10	--
		02-23-88	<1	<1	<3	4	<0.01
		03-21-88	<1	2	<3	4	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)
3	06879650	03-20-90	4	<0.5	10	<1	<0.1	<10
		04-27-90	5	<.5	11	<1	<.1	<10
23	06880800	05-13-87	10	10	27	35	.1	<10
		05-21-87	7	<10	22	58	<.1	<10
		06-03-87	920	<10	8	23	.3	<10
		06-09-87	170	<10	5	42	<.1	10
		06-10-87	110	10	8	5	<.1	<10
		06-16-87	31	<10	16	36	<.1	<10
		07-15-87	5	<5	15	19	.2	<10
		08-11-87	9	<5	210	19	--	<10
		09-09-87	5	<5	16	39	.3	<10
		10-05-87	12	<5	22	96	.2	<10
		11-03-87	10	<5	25	160	.2	<10
		12-01-87	6	<10	24	140	.5	<10
		01-26-88	11	<10	23	230	<.1	<10
		02-22-88	11	<5	21	130	--	<10
		03-21-88	<3	<5	26	170	<.1	<10
		04-18-88	6	<5	28	45	<.1	<10
		05-24-88	320	<5	16	56	<.1	<10
		06-20-88	10	<10	25	76	<.1	<10
		07-18-88	9	<5	19	11	.9	<10
		08-08-88	5	<5	20	6	<.1	<10
		08-31-88	4	<5	21	45	.6	<10
		10-12-88	3	<5	17	65	<.1	<10
		11-07-88	42	<5	25	140	.1	<10
		12-06-88	13	<5	17	140	<.1	<10
		01-03-89	10	<5	25	180	<.1	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved ($\mu\text{g/L}$ as Fe) (01046)	Lead, dissolved ($\mu\text{g/L}$ as Pb) (01049)	Lithium, dissolved ($\mu\text{g/L}$ as Li) (01130)	Manganese, dissolved ($\mu\text{g/L}$ as Mn) (01056)	Mercury, dissolved ($\mu\text{g/L}$ as Hg) (71890)	Molybdenum, dissolved ($\mu\text{g/L}$ as Mo) (01060)
23	06880800	02-07-89	14	<5	24	270	<0.1	<10
		03-07-89	42	<5	23	190	<.1	<10
		04-04-89	15	<5	21	160	<.1	<10
		05-02-89	10	<5	32	120	<.1	10
		06-21-89	11	<1	20	54	<.1	<10
		06-27-89	110	5	6	6	.6	<10
		06-28-89	160	4	5	4	.3	<10
		06-29-89	120	1	5	10	.3	<10
		06-30-89	86	1	6	6	<.1	<10
		08-22-89	19	<1	16	10	<.1	<10
35	06882000	09-05-89	220	2	<4	18	<.1	<10
		10-31-89	11	<1	22	140	<.1	<10
		11-28-89	18	1	26	200	<.1	<10
		12-18-89	12	<1	24	240	<.1	<10
		01-17-90	9	1	21	190	<.1	<10
		02-12-90	7	1	21	200	.1	<10
		03-26-90	14	<10	18	170	<.1	<10
		04-17-90	8	1	20	220	<.1	10
		05-12-87	6	<10	14	9	<.1	<10
		05-19-87	11	<5	50	14	<.1	<10
		06-02-87	170	<10	10	3	.1	<10
		06-10-87	16	10	10	1	.3	<10
		06-16-87	7	<10	11	8	.5	<10
		06-19-87	16	10	12	3	.1	<10
		07-14-87	16	<5	17	3	.5	<10
		08-10-87	5	<5	8	16	.4	<10
		09-08-87	5	<5	10	24	.2	<10
		10-05-87	5	<5	27	140	.1	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)
35	06882000	11-02-87	10	<5	26	4	<0.1	<10
		12-01-87	5	<5	25	120	<.1	<10
		01-26-88	14	<10	22	210	<.1	<10
		02-23-88	8	18	19	120	<.1	<10
		03-21-88	6	<5	26	90	<.1	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
3	06879650	03-20-90	<10	--	<1	850	<6	<3
		04-27-90	<10	--	<1	960	<6	<3
23	06880800	05-13-87	<10	--	<1	250	8	12
		05-21-87	<10	--	<1	340	9	9
		06-03-87	<10	--	<1	65	7	41
		06-09-87	<10	--	<1	58	<6	25
		06-10-87	<10	--	<1	93	<6	30
		06-16-87	<10	--	<1	280	7	3
		07-15-87	<10	3	<1	240	8	5
		08-11-87	<10	--	<1	310	10	6
		09-09-87	<10	--	<1	360	7	3
		10-05-87	<10	5	<1	360	7	3
		11-03-87	<10	--	<1	380	6	<3
		12-01-87	<10	--	<1	360	<6	5
		01-26-88	<10	--	1	370	<6	3
		02-22-88	<10	4	<1	300	<6	4
		03-21-88	<10	--	<1	370	7	<3
		04-18-88	<10	--	<1	370	8	<3
		05-24-88	<10	3	<1	240	7	36
		06-20-88	<10	--	<1	380	11	5
		07-18-88	<10	--	<1	340	13	9
		08-08-88	<10	4	<1	350	12	<3
		08-31-88	<10	--	<1	370	8	<3
		10-12-88	<10	--	<1	270	<6	8
		11-07-88	<10	5	<1	370	<6	6
		12-06-88	5	<1	<1	360	<6	16
		01-03-89	2	6	<1	380	<6	8

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
23	06880800	02-07-89	3	5	<1	380	<6	14
		03-07-89	4	4	<1	330	<6	22
		04-04-89	4	5	1	370	8	11
		05-02-89	3	5	<1	380	7	12
		06-21-89	2	5	<1	350	10	5
		06-27-89	6	<1	<1	61	7	31
		06-28-89	6	<1	<1	53	6	23
		06-29-89	<1	1	<1	72	9	6
		06-30-89	3	1	<1	85	7	15
		08-22-89	3	4	<1	300	10	5
		09-05-89	5	<1	<1	48	7	14
		10-31-89	2	4	<1	370	<6	11
35	06882000	11-28-89	2	4	<1	370	<6	12
		12-18-89	2	5	<1	390	<6	8
		01-17-90	3	5	<1	350	<6	11
		02-12-90	3	4	1	350	<6	<3
		03-26-90	10	4	<1	330	<6	<3
		04-17-90	3	6	<1	350	7	<3
		05-12-87	<10	--	<1	240	6	10
		05-19-87	3	4	<1	410	8	10
		06-02-87	<10	--	<1	130	<6	7
		06-10-87	<10	--	<1	160	6	4
		06-16-87	<10	--	<1	220	6	<3
		06-19-87	<10	--	<1	120	7	23
		07-14-87	3	3	<1	260	9	15
		08-10-87	<10	--	<1	250	10	7
		09-08-87	<10	--	<1	270	8	4
		10-05-87	<10	2	<1	390	8	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
35	06882000	11-02-87	<10	3	<1	480	<6	5
		12-01-87	<10	--	<1	440	<6	5
		01-26-88	<10	--	<1	410	<6	6
		02-23-88	<10	2	<1	320	<6	5
		03-21-88	<2	4	<1	410	<6	<7

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)
35	06882000	04-20-88	1115	--	--	6	110	<0.5	--
		05-24-88	1005	20	1	7	140	<.5	--
		06-21-88	0925	--	--	10	140	<.5	--
		07-19-88	1025	<10	--	7	150	<.5	--
		08-09-88	0915	--	3	12	130	<.5	--
		08-30-88	1400	--	--	7	130	<.5	--
		10-18-88	1000	--	--	6	140	<.5	--
		11-08-88	1200	20	1	5	150	<.5	--
		12-06-88	0900	<10	--	4	130	<.5	--
		01-04-89	1100	<10	<1	<1	140	<.5	--
		01-31-89	1100	<10	--	4	120	<.5	--
		03-28-89	1130	<10	--	4	130	<.5	--
		04-19-89	1130	10	1	5	100	<.5	--
		05-24-89	0940	<10	--	7	85	<.5	--
		06-27-89	1245	50	--	3	120	<.5	--
		07-11-89	0930	160	2	6	83	<.5	--
		08-16-89	0825	30	--	10	160	<.5	--
		09-06-89	1020	190	--	3	75	<.5	--
		10-23-89	1600	20	1	5	170	<.5	--
		11-29-89	1030	10	--	4	150	<.5	--
		12-19-89	0920	<10	--	5	170	<.5	--
47	06884025	01-18-90	1000	<10	<1	4	130	<.5	--
		02-13-90	1030	10	--	4	140	<.5	--
		03-21-90	0945	20	--	5	140	<.5	--
		04-18-90	1000	10	<1	5	110	<.5	--
		05-12-87	1410	20	--	3	190	.6	40
		05-26-87	1150	<10	--	3	150	<.5	40
		06-23-87	1030	<10	--	3	120	.9	40
		06-30-87	1700	--	--	3	84	<.5	--
		07-01-87	0730	220	--	3	77	<.5	40

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)
47	06884025	07-21-87	1100	40	1	6	150	<0.5	40
		08-18-87	1120	390	--	4	110	<.5	50
		09-15-87	1030	20	--	4	150	<.5	50
		10-13-87	1115	<10	<1	4	160	<.5	60
		11-04-87	1120	<10	--	4	180	<.5	60
		12-06-87	1130	<10	--	3	160	<.5	50
		01-07-88	1245	<10	--	3	210	<.5	60
		02-03-88	1300	60	<1	3	150	<.5	50
		03-02-88	1315	10	--	4	150	<.5	50
		04-26-88	1015	--	1	4	140	<.5	--
		05-31-88	1045	--	--	6	140	<.5	--
		06-28-88	0945	--	--	5	110	--	--
		07-27-88	0920	--	--	7	100	<.5	--
		08-09-88	1135	--	<1	6	130	<.5	--
		08-30-88	1100	--	--	6	130	<.5	--
		10-18-88	1300	--	--	6	160	<.5	--
		11-09-88	1200	--	<1	4	150	<.5	--
		12-06-88	1300	<10	--	4	150	2.0	--
		01-10-89	1050	10	<1	3	170	<.5	--
		02-07-89	1115	<10	--	3	210	<.5	--
		03-07-89	1100	10	--	3	170	<.5	--
		04-05-89	0955	<10	<1	5	150	<.5	--
		05-01-89	1200	<10	--	5	150	<.5	--
		06-22-89	1240	20	1	5	140	<.5	--
		06-26-89	1130	410	1	2	74	<.5	--
		08-15-89	1800	20	--	6	150	<.5	--
		09-06-89	1130	140	--	2	59	<.5	--
		10-23-89	1430	20	1	4	160	<.5	--
		11-28-89	1530	<10	--	4	170	<.5	--
		12-19-89	1150	<10	--	3	200	<.5	--

Table 9. *Concentrations of trace elements and cyanide in water--Continued*

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)
47	06884025	01-18-90	1300	20	<1	3	140	<0.5	--
		02-13-90	1300	20	--	4	160	<.5	--
		03-21-90	1230	10	--	4	160	<.5	--
		04-18-90	1230	10	<1	4	150	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)
35	06882000	04-20-88	--	<1	--	--	<3	2
		05-24-88	0.03	<1	<1	--	<3	15
		06-21-88	--	<1	1	--	<3	3
		07-19-88	--	<2	<2	--	<3	<2
		08-09-88	.04	2	<1	--	<3	4
		08-30-88	--	<1	<1	--	<3	4
		10-18-88	--	3	2	--	<3	4
		11-08-88	.04	<1	2	--	<3	5
		12-06-88	--	3	2	--	<3	3
		01-04-89	.08	4	1	--	<3	1
		01-31-89	--	<1	2	--	<3	4
		03-28-89	--	<1	1	--	<3	4
		04-19-89	<.01	<1	2	--	<3	2
		05-24-89	--	<1	2	--	<3	2
		06-27-89	--	<1	1	--	<3	5
		07-11-89	.01	<1	1	--	<3	5
		08-16-89	--	<1	1	--	<3	2
		09-06-89	--	2	2	--	<3	7
		10-23-89	.05	<1	1	--	<3	1
		11-29-89	--	1	1	--	<3	2
47	06884025	12-19-89	--	<1	1	--	<3	3
		01-18-90	.04	<1	<1	--	<3	4
		02-13-90	--	<1	<1	--	<3	4
		03-21-90	--	<1	<5	--	<3	<10
		04-18-90	.03	<1	2	--	<3	6
		05-12-87	--	<1	<5	--	<3	<10
		05-26-87	--	<1	<5	<10	<3	<10
		06-23-87	--	<1	<5	--	<3	8
		06-30-87	--	<1	3	--	<3	5
		07-01-87	--	<1	<5	--	<3	<1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (μg/L as Cd) (01025)	Chromium, dissolved (μg/L as Cr) (01030)	Chromium, total recoverable (μg/L as Cr) (01034)	Cobalt, dissolved (μg/L as Co) (01035)	Copper, dissolved (μg/L as Cu) (01040)
47	06884025	07-21-87	0.02	<1	<10	--	<3	10
		08-18-87	--	3	<5	50	<3	6
		09-15-87	--	2	<5	--	<3	35
		10-13-87	.04	<1	<5	--	<3	3
		11-04-87	--	<1	<1	--	<3	4
		12-06-87	--	<1	<1	--	<3	<10
		01-07-88	--	<1	<1	--	<3	2
		02-03-88	.04	<1	50	--	<3	2
		03-02-88	--	<1	<1	--	<3	2
		04-26-88	.04	<1	1	--	<3	2
		05-31-88	--	<1	--	--	<3	4
		06-28-88	--	<1	<1	--	<3	2
		07-27-88	--	<1	1	--	<3	3
		08-09-88	.05	2	<1	--	<3	1
		08-30-88	--	<1	<1	--	<3	4
		10-18-88	--	1	<1	--	<3	2
		11-09-88	.04	<1	1	--	<3	7
		12-06-88	--	2	2	--	<3	2
		01-10-89	.07	5	<1	--	<3	3
		02-07-89	--	<1	2	--	<3	6
		03-07-89	--	1	1	--	<3	4
		04-05-89	<.01	<1	1	--	<3	1
		05-01-89	--	<1	2	--	<3	2
		06-22-89	.04	2	1	--	<3	3
		06-26-89	.06	<1	1	--	<3	6
		08-15-89	--	<1	2	--	<3	6
		09-06-89	--	<1	2	--	<3	11
		10-23-89	.06	<1	1	--	<3	1
		11-28-89	--	<1	2	--	<3	3
		12-19-89	--	<1	2	--	<3	1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)
47	06884025	01-18-90	0.04	<1	2	--	<3	2
		02-13-90	--	<1	<1	--	<3	1
		03-21-90	--	<1	<5	--	<3	<10
		04-18-90	.06	<1	2	--	<3	2

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)
35	06882000	04-20-88	--	5	<5	28	6	1.2	<10
		05-24-88	<0.01	9	<5	22	3	<.1	<10
		06-21-88	--	<3	<5	21	15	<.1	<10
		07-19-88	--	13	<5	17	64	.1	<10
		08-09-88	<.01	12	<5	19	53	<.1	<10
		08-30-88	--	4	<5	15	170	.3	<10
		10-18-88	--	10	<5	19	41	<.1	<10
		11-08-88	.01	6	<8	26	2	.2	<10
		12-06-88	--	13	<5	24	69	<.1	<10
		01-04-89	--	7	<5	29	99	<.1	<10
		01-31-89	--	10	<5	22	63	<.1	<10
		03-28-89	--	10	<5	19	180	.2	<10
		04-19-89	--	12	<5	24	110	<.1	<10
		05-24-89	--	5	<1	24	27	<.1	<10
		06-27-89	--	37	1	8	14	<.1	<10
		07-11-89	--	89	1	6	6	.1	<10
		08-16-89	--	7	<1	18	12	<.1	<10
		09-06-89	--	120	2	<4	68	<.1	<10
		10-23-89	--	17	<1	21	6	<.1	<10
		11-29-89	--	7	<1	26	130	<.1	<10
		12-19-89	--	6	<1	29	220	<.1	<10
47	06884025	01-18-90	--	8	<1	22	130	<.1	<10
		02-13-90	--	9	<1	22	90	.1	<10
		03-21-90	--	14	<10	20	140	<.1	<10
		04-18-90	--	18	1	22	91	<.1	<10
		05-12-87	--	7	10	18	7	<.1	<10
		05-26-87	--	6	<10	13	3	1.3	<10
		06-23-87	--	7	<5	15	1	<.1	<10
		06-30-87	--	110	<5	7	7	.1	<10
		07-01-87	--	23	<5	7	<1	11	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)
47	06884025	07-21-87	<0.01	18	<10	17	3	0.4	<10
		08-18-87	--	280	<5	8	18	.3	<10
		09-15-87	--	93	<5	9	8	.3	<10
		10-13-87	--	5	<5	18	31	<.1	<10
		11-04-87	--	4	<5	21	31	.2	<10
		12-06-87	--	5	10	18	33	.1	<10
		01-07-88	--	5	<5	20	70	<.1	<10
		02-03-88	<.01	47	<5	15	48	<.1	<10
		03-02-88	--	16	<5	25	22	<.1	<10
		04-26-88	<.01	18	<5	19	24	<.1	<10
		05-31-88	--	<3	<5	22	4	<.1	<10
		06-28-88	--	8	<5	24	110	.1	<10
		07-27-88	--	18	<5	14	4	.3	<10
		08-09-88	<.01	8	<5	19	10	<.1	<10
		08-30-88	--	6	<5	18	34	1.5	<10
		10-18-88	--	10	<5	19	17	.2	<10
		11-09-88	<.01	19	<5	19	24	<.1	<10
		12-06-88	--	13	<5	19	32	<.1	<10
		01-10-89	--	9	<5	22	49	<.1	<10
		02-07-89	--	14	<5	25	52	.2	<10
		03-07-89	--	18	<5	20	37	<.1	<10
		04-05-89	--	15	<5	17	21	<.1	<10
		05-01-89	--	8	<5	19	17	<.1	<10
		06-22-89	--	16	1	16	14	<.1	<10
		06-26-89	--	270	2	4	20	<.1	<10
		08-15-89	--	17	<1	13	3	<.1	<10
		09-06-89	--	110	1	<4	6	<.1	10
		10-23-89	--	9	<1	17	29	<.1	<10
		11-28-89	--	10	<1	17	54	<.1	<10
		12-19-89	--	12	<1	21	71	<.1	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)
47	06884025	01-18-90	--	12	<1	16	25	<0.1	<10
		02-13-90	--	11	<1	18	18	.1	<10
		03-21-90	--	10	<10	16	17	<.1	<10
		04-18-90	--	7	<1	19	16	<.1	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
35	06882000	04-20-88	<10	--	<1	410	9	<3
		05-24-88	<1	3	<1	390	8	<3
		06-21-88	<10	--	<1	410	13	<3
		07-19-88	<5	4	<1	340	13	--
		08-09-88	<10	3	<1	340	15	11
		08-30-88	<10	--	<1	300	9	<3
		10-18-88	10	--	<1	270	7	6
		11-08-88	<10	4	<1	390	<6	8
		12-06-88	<1	3	<1	400	<6	5
		01-04-89	1	4	<1	450	<6	12
		01-31-89	1	3	<1	400	<6	11
		03-28-89	8	4	<1	340	<6	6
		04-19-89	6	4	<1	370	8	5
		05-24-89	4	3	<1	330	<6	4
		06-27-89	2	2	<1	160	7	48
		07-11-89	3	1	<1	99	11	19
		08-16-89	2	3	<1	330	16	6
		09-06-89	5	<1	<1	84	8	21
		10-23-89	3	3	<1	370	6	8
		11-29-89	3	3	<1	410	<6	4
47	06884025	12-19-89	3	4	<1	460	<6	4
		01-18-90	2	4	<1	370	<6	11
		02-13-90	2	4	<1	390	<6	<3
		03-21-90	10	4	<1	380	<6	<3
		04-18-90	3	4	<1	350	8	<3
		05-12-87	<10	--	<1	310	8	13
		05-26-87	<10	--	<1	270	6	4
		06-23-87	<10	--	<1	200	6	10
		06-30-87	--	--	--	110	7	13
		07-01-87	<10	--	<1	97	<6	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01095)	Zinc, dissolved (µg/L as Zn) (01090)
47	06884025	07-21-87	--	2	--	280	11	5
		08-18-87	<10	--	<1	180	8	20
		09-15-87	10	--	1	230	7	52
		10-13-87	<10	<1	<1	350	<6	<3
		11-04-87	<10	--	<1	360	<6	<3
		12-06-87	<10	--	<1	360	<6	4
		01-07-88	<10	--	<1	430	<6	<3
		02-03-88	<10	1	<1	290	<6	<3
		03-02-88	<10	--	<1	330	<6	<3
		04-26-88	<10	2	<1	340	<6	16
		05-31-88	<10	--	<1	350	8	<3
		06-28-88	<10	--	<1	340	<6	14
		07-27-88	<10	--	<1	260	12	6
		08-09-88	<10	2	<1	300	7	5
		08-30-88	<10	--	<1	320	<6	<3
		10-18-88	<10	--	1	270	6	3
		11-09-88	<10	2	<1	310	<6	5
		12-06-88	3	2	1	300	<6	6
		01-10-89	3	3	<1	360	<6	<3
		02-07-89	2	3	<1	390	<6	21
		03-07-89	<1	2	<1	330	<6	9
		04-05-89	5	2	<1	320	<6	7
		05-01-89	1	2	<1	330	6	5
		06-22-89	2	2	<1	320	8	24
		06-26-89	5	1	<1	67	8	16
		08-15-89	1	1	<1	260	9	11
		09-06-89	4	<1	<1	64	<6	26
		10-23-89	1	2	<1	320	<6	7
		11-28-89	5	2	<1	330	<6	<3
		12-19-89	1	3	<1	360	<6	7

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved ($\mu\text{g/L}$ as Ni) (01065)	Selenium, dissolved ($\mu\text{g/L}$ as Se) (01145)	Silver, dissolved ($\mu\text{g/L}$ as Ag) (01075)	Strontium, dissolved ($\mu\text{g/L}$ as Sr) (01080)	Vanadium, dissolved ($\mu\text{g/L}$ as V) (01085)	Zinc, dissolved ($\mu\text{g/L}$ as Zn) (01090)
47	06884025	01-18-90	1	2	<1	290	<6	13
		02-13-90	1	2	<1	310	<6	<3
		03-21-90	10	2	<1	310	<6	<3
		04-18-90	1	1	<1	310	<6	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number identification (plate 1)	U.S. Geological Survey number	Date	Time (24-hour)	Aluminum, Antimony, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved ($\mu\text{g/L}$ as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
50	06885500	05-13-87	1200	40	--	4	160	2.0	60	--	1
		05-28-87	1045	600	--	1	81	<.5	30	--	<1
		06-23-87	1020	<10	--	5	170	<.5	50	--	<1
		07-20-87	1330	--	1	5	180	<.5	--	0.04	<.1
		08-18-87	1100	<10	--	4	130	<.5	50	--	.5
		09-15-87	1445	180	--	2	76	<.5	40	--	1.2
		09-16-87	1120	1,200	--	1	53	<.5	30	--	.4
		09-22-87	1030	<10	--	5	180	<.5	50	--	.3
		10-20-87	1120	<10	<1	3	170	<.5	70	.05	.3
		11-23-87	1005	<10	--	3	--	--	50	--	.2
		12-22-87	1030	20	--	3	120	<.5	40	--	.2
		01-19-88	1100	<10	<1	2	140	<.5	50	.06	<.1
		02-16-88	1045	40	--	2	94	<.5	30	--	.3
		03-14-88	1045	--	--	5	130	<.5	--	--	.6
		04-18-88	1115	--	1	4	140	<.5	--	.05	.2
		05-16-88	1045	--	--	5	170	<.5	--	--	.4
		06-09-88	1010	--	--	9	160	<.5	--	--	<.1
		06-30-88	1130	--	--	6	140	<.5	--	--	.2
		06-30-88	1330	--	--	4	110	<.5	--	--	<.1
		07-05-88	1100	--	<1	6	180	<.5	--	.05	<.1
		08-12-88	1315	--	--	9	190	<.5	--	--	.7
		09-01-88	1110	--	--	6	170	<.5	--	--	.5
		10-06-88	1110	--	<1	<1	170	<.5	--	.04	.3
		11-03-88	1100	--	--	5	170	.6	--	--	<.1
		12-15-88	1135	--	--	3	160	<.5	--	--	<.1
		01-26-89	1120	--	<1	2	130	<.5	--	.04	.2
		02-16-89	1210	--	--	2	170	<.5	--	--	.1
		03-16-89	1025	--	--	3	130	<.5	--	--	.2
		04-25-89	0915	--	2	9	150	<.5	--	<.01	.1
		05-15-89	1120	--	--	8	160	<.5	--	--	.3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Time (24-hour)	Aluminum, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved ($\mu\text{g/L}$ as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
50	06885500	06-16-89	1330	--	--	7	160	<0.5	--	--	<0.1
		06-27-89	1245	--	--	2	88	<.5	--	--	<.1
		07-10-89	1030	--	--	8	200	<.5	--	--	.2
		08-17-89	1040	--	--	4	190	<.5	--	--	<.1
		09-18-89	1100	--	--	5	200	<.5	--	--	.3
		10-04-89	1150	--	--	5	190	<.5	--	--	.1
		11-16-89	1040	--	--	4	180	<.5	--	--	1.1
		12-14-89	1100	--	--	3	170	<.5	--	--	.2
		01-10-90	1025	--	--	2	150	<.5	--	--	.3
		02-08-90	1100	--	--	1	130	<.5	--	--	.1
		03-22-90	1100	--	--	4	170	<.5	--	--	<.1
		04-26-90	1700	--	--	5	170	<.5	--	--	<.1
52	06887000	05-13-87	1545	60	--	2	100	<.5	30	--	1
		06-23-87	0830	--	--	3	140	<.5	40	--	<.1
		07-20-87	1630	--	1	3	140	<.5	--	<0.01	<.4
		08-18-87	1330	<10	--	5	120	<.5	60	--	1.6
		09-21-87	1330	<10	--	<1	130	<.5	50	--	.7
		10-20-87	1315	<10	<1	3	170	<.5	40	.05	.1
		11-23-87	1615	20	--	4	130	<.5	50	--	.4
		12-21-87	1500	<10	--	4	130	<.5	50	--	.3
		01-20-88	0825	<10	<1	4	150	<.5	60	.04	.7
		02-18-88	1030	<10	--	3	140	<.5	50	--	.2
		03-14-88	1315	--	--	4	120	<.5	--	--	.2
		04-18-88	1150	--	1	4	120	<.5	--	.04	.3
		05-17-88	1400	--	--	4	120	<.5	--	--	.6
		06-07-88	1400	--	--	3	130	<.5	--	--	.3
		07-05-88	1545	--	<1	4	140	<.5	--	.06	.8

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)
52	06887000	08-12-88	0845	--	--	5	130	<0.5	--	--	0.6
		09-01-88	1530	--	--	4	190	<.5	--	--	.3
		10-07-88	0830	--	<1	3	140	<.5	--	0.04	.3
		11-04-88	0800	--	--	4	140	.6	--	--	<.1
		12-15-88	1530	--	--	3	140	<.5	--	--	<.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
50	06885500	05-13-87	<5	<3	10	--	12	<10	20	140
		05-28-87	<5	<3	10	--	250	<10	<4	17
		06-23-87	<5	<3	2	--	<3	<5	16	80
		07-20-87	<5	<3	1	0.01	<3	<5	18	120
		08-18-87	<5	<3	3	--	6	<5	530	10
		09-15-87	<5	<3	7	--	110	6	<4	7
		09-16-87	<5	<3	4	--	390	4	<4	44
		09-22-87	<5	<3	3	--	6	.5	5	170
		10-20-87	<5	<3	2	<.01	5	<.5	13	110
		11-23-87	<5	--	2	--	--	<.5	--	--
		12-22-87	<5	<3	3	--	31	<.5	7	220
		01-19-88	<5	<3	.6	<.01	13	<.5	13	400
		02-16-88	.8	<3	4	--	65	<.5	8	190
		03-14-88	<5	<3	6	--	82	<.5	16	360
		04-18-88	<5	<3	1	<.01	8	<.5	9	290
		05-16-88	<5	<3	2	--	5	.6	15	620
		06-09-88	<5	<3	1	--	5	<.5	16	220
		06-30-88	2	<3	3	--	26	1	8	470
		06-30-88	<5	<3	1	--	61	<.5	6	370
		07-05-88	<5	<3	2	<.01	3	<.5	14	310
		08-12-88	<5	<3	2	--	11	2	13	430
		09-01-88	<5	<3	3	--	<3	<.5	17	340
		10-06-88	.6	<3	1	<.01	10	<.5	14	230
		11-03-88	<5	<3	2	--	30	<.5	17	260
		12-15-88	<5	<3	.7	--	10	<.5	16	210
		01-26-89	<5	<3	<.5	<.01	15	<.5	16	290
		02-16-89	4	<3	.8	--	17	<.5	17	550
		03-16-89	<5	<3	.7	--	16	.5	13	510
		04-25-89	.9	<3	.8	<.01	12	<.5	16	1,000
		05-15-89	<5	<3	1	--	14	.8	12	1,000

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
50	06885500	06-16-89	<0.5	<3	2	--	8	<0.5	12	340
		06-27-89	<.5	<3	1	--	49	<.5	<4	66
		07-10-89	<.5	<3	3	--	9	<.5	9	200
		08-17-89	<.5	<3	1	--	26	<.5	9	430
		09-18-89	<.5	<3	2	--	9	<.5	10	180
		10-04-89	<.5	<3	1	--	6	<.5	12	170
		11-16-89	<.5	<3	1	--	11	<.5	12	190
		12-14-89	<.5	<3	1	--	18	<.5	15	250
		01-10-90	<.5	<3	1	--	4	<.5	13	360
		02-08-90	<.5	<3	1	--	10	<.5	11	300
		03-22-90	<.5	<3	.7	--	9	<.5	10	830
		04-26-90	<.5	<3	.6	--	5	<.5	13	500
52	06887000	05-13-87	<.5	<3	<10	--	38	<10	11	11
		06-23-87	<.5	<3	5	--	4	<.5	12	42
		07-20-87	.5	<3	.9	<0.01	7	<.5	12	28
		08-18-87	<.5	<3	4	--	8	.7	9	67
		09-21-87	.5	<3	6	--	6	1	7	2
		10-20-87	<.5	<3	2	<.01	<3	<.5	11	290
		11-23-87	<.5	<3	4	--	7	<.5	15	5
		12-21-87	<.5	<3	3	--	<3	<.5	12	12
		01-20-88	.5	<3	3	<.01	5	<.5	16	30
		02-18-88	<.5	<3	6	--	5	<.5	17	11
		03-14-88	<.5	<3	2	--	5	<.5	13	8
		04-18-88	<.5	<3	2	<.01	53	<.5	8	73
		05-17-88	<.5	<3	10	--	6	<.5	16	65
		06-07-88	<.5	<3	3	--	10	<.5	17	320
		07-05-88	<.5	<3	3	<.01	5	<.5	16	420

Table 9. *Concentrations of trace elements and cyanide in water--Continued*

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
52	06887000	08-12-88	<0.5	<3	2	--	6	<0.5	13	110
		09-01-88	<.5	<3	1	--	4	<.5	18	600
		10-07-88	.9	<3	.8	<0.01	13	<.5	16	11
		11-04-88	<.5	<3	3	--	8	<.5	17	5
		12-15-88	.5	<3	1	--	9	.5	15	9

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
50	06885500	05-13-87	<0.1	<10	<10	--	1	790	<6	10
		05-28-87	.1	<10	<10	--	<1	170	<6	11
		06-23-87	.4	10	<10	--	<1	660	8	11
		07-20-87	.3	<10	--	13	--	810	9	<3
		08-18-87	.4	<10	<10	--	<1	340	7	11
		09-15-87	<.1	<10	<10	--	<1	150	<6	46
		09-16-87	--	<10	10	--	<1	74	<6	49
		09-22-87	.2	<10	<10	--	<1	580	6	4
		10-20-87	.6	<10	10	2	<1	760	<6	<3
		11-23-87	.2	--	--	--	--	--	--	--
		12-22-87	.4	<10	<10	--	<1	520	<6	5
		01-19-88	.3	<10	<10	<1	<1	710	<6	<3
		02-16-88	.4	<10	<10	--	<1	340	<6	12
		03-14-88	.1	<10	<10	--	<1	750	<6	14
		04-18-88	<.1	<10	<10	2	<1	720	<6	5
		05-16-88	<.1	<10	<10	--	1	800	8	8
		06-09-88	<.1	<10	<10	--	<1	790	10	8
		06-30-88	<.1	<10	<10	--	<1	420	11	6
		06-30-88	<.1	<10	<10	--	<1	320	9	8
		07-05-88	<.1	<10	<10	1	<1	670	10	5
		08-12-88	.3	<10	<10	--	<1	860	10	12
		09-01-88	1.1	<10	<10	--	<1	850	<6	<3
		10-06-88	<.1	<10	<10	<1	<1	790	<6	10
		11-03-88	<.1	<10	<10	--	1	670	6	10
		12-15-88	.1	<10	<10	--	<1	670	<6	40
		01-26-89	.2	<10	<10	1	<1	650	<6	5
		02-16-89	2.8	<10	<10	--	<1	750	<6	11
		03-16-89	.2	<10	<10	--	<10	590	<6	10
		04-25-89	.3	<10	<10	<1	<1	700	8	9
		05-15-89	<.1	<10	<10	--	2	680	7	5

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
50	06885500	06-16-89	<0.1	<10	10	--	<1	560	9	4
		06-27-89	.2	<10	<10	--	<1	160	6	18
		07-10-89	.1	<10	<10	--	<1	610	10	6
		08-17-89	<1	<10	20	--	<1	610	<6	5
		09-18-89	<1	<10	<10	--	<1	560	8	14
		10-04-89	<1	<10	<10	--	<1	700	<6	3
		11-16-89	.3	<10	<10	--	<1	680	<6	6
		12-14-89	<1	<10	<10	--	<1	810	<6	14
		01-10-90	<1	<10	<10	--	<1	690	<6	4
		02-08-90	<1	<10	<10	--	<1	620	<6	<3
52	06887000	03-22-90	<1	<10	<10	--	1	640	<6	<3
		04-26-90	<1	<10	10	--	<1	760	<6	<3
		05-13-87	.2	<10	<10	--	4	260	<6	10
		06-23-87	.4	10	<10	--	<1	340	7	9
		07-20-87	.3	<10	--	2	--	330	8	<3
		08-18-87	<1	<10	<10	--	<1	530	8	<3
		09-21-87	.2	<10	<10	--	<1	330	7	5
		10-20-87	.1	<10	<10	1	<1	550	<6	<3
		11-23-87	.5	<10	<10	--	<1	420	7	<3
		12-21-87	.4	<10	<10	--	<1	450	<6	<3
		01-20-88	.2	<10	<10	<1	36	590	<6	<3
		02-18-88	.5	<10	<10	--	<1	530	<6	15
		03-14-88	<1	<10	<10	--	<1	480	<6	<3
		04-18-88	<1	<10	<10	2	<1	540	<6	<3
		05-17-88	.3	<10	<10	--	<1	510	<6	4
		06-07-88	<1	<10	<10	--	1	510	<6	5
		07-05-88	<1	<10	<10	2	<1	500	<6	10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molyb- denum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
52	06887000	08-12-88	2.3	<10	<10	--	<1	450	<6	4
		09-01-88	<.1	<10	10	--	<1	760	<6	7
		10-07-88	--	<10	<10	1	<1	470	<6	5
		11-04-88	<.1	<10	<10	--	<1	460	<6	6
		12-15-88	1.3	<10	<10	--	<1	470	<6	4

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)
52	06887000	01-26-89	1535	--	<1	3	140	<0.5	--	0.03	0.1
		02-17-89	0810	--	--	3	140	<.5	--	--	.2
		03-16-89	1510	--	--	3	130	<.5	--	--	<.1
		04-24-89	1425	--	<1	3	120	<.5	--	<.01	.5
		05-15-89	1540	--	--	3	140	<.5	--	--	<.1
		06-16-89	0850	--	--	3	140	<.5	--	--	<.1
		07-10-89	1515	--	--	3	140	<.5	--	--	<.1
		08-17-89	1445	--	--	4	120	<.5	--	--	.2
		09-12-89	1055	--	--	4	100	<.5	--	--	<.1
		10-03-89	1415	--	--	4	91	<.5	--	--	<.1
		11-16-89	1415	--	--	4	110	<.5	--	--	.2
		12-15-89	0845	--	--	4	120	<.5	--	--	.7
		01-09-90	1235	--	--	3	150	<.5	--	--	.3
		02-08-90	1530	--	--	2	130	<.5	--	--	.2
59	06888500	03-22-90	1530	--	--	3	120	<.5	--	--	<.1
		04-26-90	1200	--	--	3	130	<.5	--	--	<.1
		05-20-87	1315	20	--	2	130	<.5	50	--	<.1
		05-27-87	1310	1,800	--	<1	63	2.0	30	--	<.1
		06-23-87	1315	--	--	1	140	<.5	--	--	<.1
		07-20-87	1005	--	<1	2	140	<.5	--	.05	<.1
		08-18-87	0940	<10	--	2	110	<.5	50	--	.2
		09-22-87	1300	<10	--	2	140	<.5	60	--	.3
		10-20-87	1445	<10	2	1	150	<.5	60	.06	.4
		11-23-87	1245	<10	--	1	130	<.5	50	--	<.1
		12-22-87	1330	10	--	<1	76	<.5	30	--	<.1
		01-19-88	1345	<10	<1	<1	92	<.5	40	.03	<.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved ($\mu\text{g/L}$ as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
59	06888500	02-17-88	1350	<10	--	<1	85	<0.5	30	--	<0.1
		03-15-88	1300	--	--	1	100	<.5	--	--	.7
		04-18-88	1445	--	<1	1	100	<.5	--	0.02	.2
		05-16-88	1410	--	--	2	130	<.5	--	--	<.1
		06-08-88	1000	--	--	2	130	<.5	--	--	.3
		07-06-88	1520	--	<1	3	140	<.5	--	.06	.2
		08-09-88	0955	--	--	6	160	<.5	--	--	12
		08-30-88	1005	--	--	4	160	<.5	--	--	.9
		10-04-88	1020	--	<1	2	160	<.5	--	.06	.2
		11-07-88	1445	--	--	2	180	<.5	--	--	.2
		11-15-88	1100	<10	--	2	170	--	60	.05	--
		12-20-88	0950	--	--	1	150	<.5	--	--	.4
		01-24-89	1345	--	<1	1	140	<.5	--	.06	.2
		02-14-89	1310	--	--	1	140	<.5	--	--	<.1
		03-14-89	1300	--	--	1	130	<.5	--	--	.3
		04-20-89	1220	--	<1	2	150	<.5	--	<.01	.1
		05-18-89	1210	--	--	3	170	<.5	--	--	<.1
		06-13-89	1250	--	--	3	150	<.5	--	--	<.1
		07-13-89	0935	--	--	3	72	<.5	--	--	.3
		08-14-89	1320	--	--	5	130	<.5	--	--	.3
		09-05-89	1315	--	--	2	63	<.5	--	--	.1
		09-14-89	0940	--	--	1	140	<.5	--	--	<.1
		10-06-89	0935	--	--	2	120	<.5	--	--	.2
		11-20-89	1335	--	--	1	130	<.5	--	--	.1
		12-12-89	1400	--	--	<1	130	<.5	--	--	2.6
		01-11-90	0930	--	--	<1	110	<.5	--	--	.3
		02-06-90	1350	--	--	<1	100	<.5	--	--	.2
		03-14-90	1005	--	--	1	110	<.5	--	--	<.1
		04-24-90	1400	--	--	1	110	<.5	--	--	.1

Table 9. *Concentrations of trace elements and cyanide in water--Continued*

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved ($\mu\text{g/L}$ as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
62	06889000	05-12-87	1020	170	--	2	110	<0.5	50	--	<1
		06-24-87	1330	20	--	3	130	<.5	60	--	1
		07-22-87	1020	--	1	3	160	<.5	--	0.09	.2
		08-18-87	1230	<10	--	4	140	<.5	80	--	.2
		09-21-87	1245	<10	--	4	130	<.5	70	--	.3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
52	06887000	01-26-89	6	<3	2	<0.01	20	<0.5	16	13
		02-17-89	.8	<3	1	--	11	<.5	18	180
		03-16-89	<.5	<3	1	--	10	<.5	16	110
		04-24-89	1	<3	2	<.01	10	<.5	18	44
		05-15-89	<.5	<3	1	--	10	.7	14	190
		06-16-89	<.5	<3	2	--	5	<.5	16	150
		07-10-89	<.5	<3	2	--	9	.8	14	250
		08-17-89	<.5	<3	3	--	12	<.5	10	25
		09-12-89	<.5	<3	3	--	33	<.5	7	1
		10-03-89	<.5	<3	2	--	20	<.5	4	3
		11-16-89	<.5	<3	1	--	<3	<.5	7	4
		12-15-89	<.5	<3	3	--	7	<.5	8	74
		01-09-90	<.5	<3	2	--	<3	<.5	16	200
		02-08-90	<.5	<3	3	--	9	<.5	9	38
		03-22-90	.6	<3	2	--	<3	<.5	10	5
59	06888500	04-26-90	.7	<3	1	--	9	<.5	11	37
		05-20-87	<.5	<3	<10	--	6	<10	17	53
		05-27-87	<.5	<3	<10	--	630	<10	5	36
		06-23-87	<1	<3	2	--	<3	<.5	18	20
		07-20-87	<.5	<3	2	<.01	<3	<.5	20	7
		08-18-87	<.5	<3	2	--	<3	<.5	9	<1
		09-22-87	<.5	<3	2	--	3	<.5	7	8
		10-20-87	<.5	<3	1	<.01	6	<.5	13	26
		11-23-87	<.5	<3	.9	--	6	<.5	20	41
		12-22-87	<.5	<3	1	--	13	<.5	7	18
		01-19-88	<.5	<3	.6	<.01	6	<.5	9	48
		02-17-88	.8	<3	.5	--	6	<.5	14	35
		03-15-88	<.5	<3	3	--	4	<.5	14	69

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
59	06888500	04-18-88	<.5	<3	1	<.01	4	<.5	8	32
		05-16-88	<.5	<3	1	--	4	<.5	17	33
		06-08-88	<.5	<3	1	--	4	<.5	16	18
		07-06-88	<.5	<3	1	<.01	6	<.5	17	3
		08-09-88	<.5	<3	1	--	4	<.5	15	27
		08-30-88	<.5	<3	1	--	<3	<.5	19	14
		10-04-88	<.5	<3	.6	<.01	6	<.5	16	6
		11-07-88	<.5	<3	2	--	13	<.5	19	12
		11-15-88	<1	--	<10	--	10	<10	--	16
		12-20-88	<.5	<3	.6	--	10	<.5	19	27
		01-24-89	<.5	<3	<.5	<.01	8	<.5	21	19
		02-14-89	<.5	<3	.6	--	11	<.5	18	66
		03-14-89	<.5	<3	.7	--	7	<.5	17	22
		04-20-89	<.5	<3	.8	<.01	9	<.5	21	47
		05-18-89	<.5	<3	1	--	11	.8	16	130
		06-13-89	<.5	<3	1	--	5	<.5	16	25
		07-13-89	<.5	<3	1	--	19	<.5	6	4
		08-14-89	<.5	<3	2	--	6	<.5	11	20
		09-05-89	<.5	<3	1	--	42	<.5	<4	2
		09-14-89	<.5	<3	.5	--	4	<.5	10	48
		10-06-89	<.5	<3	.8	--	5	<.5	19	12
		11-20-89	<.5	<3	1	--	7	<.5	11	54
		12-12-89	2	<3	6	--	110	<.5	15	86
		01-11-90	<.5	<3	1	--	<3	<.5	13	72
		02-06-90	<.5	<3	<.5	--	5	<.5	11	42
		03-14-90	<.5	<3	.9	--	<3	<.5	9	<1
		04-24-90	<.5	<3	2	--	5	<.5	11	16

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
62	06889000	05-12-87	<5	<3	<10	--	78	<10	16	5
		06-24-87	<5	<3	4	--	12	<5	26	2
		07-22-87	<5	<3	2	<0.01	24	<5	34	3
		08-18-87	<5	<3	3	--	<3	<5	25	<1
		09-21-87	.9	<3	3	--	4	.5	13	2

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molyb- denum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
52	06887000	01-26-89	0.6	<10	<10	2	1	480	<6	4
		02-17-89	<.1	<10	<10	--	<1	510	<6	7
		03-16-89	<.1	<10	<10	--	<1	510	<6	6
		04-24-89	.6	<10	<10	2	1	480	<6	5
		05-15-89	<.1	<10	<10	--	1	480	<6	6
		06-16-89	.2	<10	<10	--	<1	490	<6	<3
		07-10-89	<.1	<10	<10	--	<1	460	<6	5
		08-17-89	<.1	<10	10	--	<1	310	7	6
		09-12-89	<.1	<10	<10	--	<1	230	<6	<3
		10-03-89	<.1	<10	<10	--	<1	180	<6	<3
59	06888500	11-16-89	<.1	<10	<10	--	<1	250	<6	7
		12-15-89	<.1	<10	<10	--	<1	350	<6	6
		01-09-90	<.1	<10	<10	--	<1	540	<6	7
		02-08-90	<.1	<10	10	--	<1	350	<6	<3
		03-22-90	<.1	<10	<10	--	<1	380	<6	<3
		04-26-90	.3	<10	10	--	1	450	<6	9
		05-20-87	.1	<10	<10	--	1	1,100	<6	8
		05-27-87	.2	<10	<10	--	5	200	7	5
		06-23-87	.2	<10	--	--	--	1,100	<6	8
		07-20-87	.2	<10	--	<1	--	1,300	<6	<3
		08-18-87	.2	<10	<10	--	<1	830	<6	<3
		09-22-87	.5	<10	<10	--	<1	1,200	<6	7
		10-20-87	.9	<10	<10	1	<1	1,400	<6	<3
		11-23-87	.2	<10	<10	--	<1	1,500	<6	<3
		12-22-87	.3	<10	<10	--	<1	570	<6	3
		01-19-88	.2	<10	<10	<1	<1	1,000	<6	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
59	06888500	02-17-88	0.2	<10	<10	--	<1	890	<6	9
		03-15-88	<1	<10	<10	--	<1	1,200	<6	9
		04-18-88	<1	<10	<10	<1	<1	890	<6	4
		05-16-88	.1	<10	<10	--	<1	1,200	<6	8
		06-08-88	.4	<10	<10	--	<1	1,200	<6	7
		07-06-88	<1	<10	<10	<1	<1	1,300	<6	4
		08-09-88	<1	<10	<10	--	<1	1,500	<6	7
		08-30-88	<1	<10	<10	--	<1	1,500	<6	6
		10-04-88	1.2	<10	<10	<1	<1	1,500	<6	<3
		11-07-88	<1	<10	<10	--	<1	1,700	<6	6
		11-15-88	--	1	--	--	--	1,700	--	5
		12-20-88	.8	<10	<10	--	<1	1,800	<6	9
		01-24-89	1.1	<10	<10	<1	<1	1,800	<6	7
		02-14-89	.3	<10	<10	--	<1	1,900	<6	6
		03-14-89	<1	<10	<10	--	<1	1,600	<6	5
		04-20-89	.7	<10	<10	<1	4	1,700	<6	<3
		05-18-89	<1	<10	<10	--	2	1,800	<6	6
		06-13-89	<1	<10	10	--	<1	1,600	<6	9
		07-13-89	<1	<10	<10	--	<1	430	<6	6
		08-14-89	<1	<10	10	--	<1	1,200	<6	7
		09-05-89	.6	<10	<10	--	<1	270	<6	19
		09-14-89	.2	10	<10	--	<1	780	<6	4
		10-06-89	<1	<10	<10	--	<1	940	<6	4
		11-20-89	<1	<10	<10	--	<1	1,300	<6	5
		12-12-89	<1	<10	<10	--	<1	1,500	<6	23
		01-11-90	<1	<10	<10	--	<1	1,300	<6	<3
		02-06-90	<1	<10	<10	--	<1	1,200	<6	6
		03-14-90	<1	<10	<10	--	1	770	<6	<3
		04-24-90	<1	<10	<10	--	<1	930	<6	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molybdenum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
62	06889000	05-12-87	<0.1	<10	<10	--	4	390	<6	<3
		06-24-87	.5	20	<10	--	<1	570	7	12
		07-22-87	.7	<10	--	6	--	710	8	8
		08-18-87	<.1	<10	<10	--	<1	690	8	<3
		09-21-87	.1	<10	<10	--	<1	530	8	<3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number identification (plate 1)	U.S. Geological Survey number	Date	Time (24-hour)	Aluminum,			Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Arsenic, total (µg/L as As) (01002)	Barium, dissolved (µg/L as Ba) (01005)	Barium, total recov- erable (µg/L as Ba) (01007)	Beryllium, dissolved (µg/L as Be) (01010)	Beryllium, total recov- erable (µg/L as Be) (01012)
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, total recov- erable (µg/L as Al) (01105)								
62	06889000	10-20-87	1330	<10	--	<1	3	--	--	150	--	<0.5	--
		11-23-87	1200	<10	--	--	3	--	--	160	--	<5	--
		12-22-87	1330	20	--	--	3	--	--	130	--	<5	--
		01-19-88	1000	<10	--	1	2	--	--	130	--	<5	--
		02-17-88	1010	20	--	--	--	2	--	130	--	<5	--
		03-15-88	1105	--	--	--	4	--	--	130	--	<5	--
		04-18-88	1340	--	--	<1	2	--	--	130	--	<5	--
		05-17-88	0945	--	--	--	2	--	--	120	--	<5	--
		06-07-88	1200	--	--	--	2	--	--	110	--	<5	--
		07-07-88	0930	--	--	<1	2	--	--	160	--	<5	--
		08-09-88	1335	--	--	--	3	--	--	110	--	<5	--
		08-30-88	1340	--	--	--	3	--	--	140	--	<5	--
		10-04-88	1450	--	--	<1	3	--	--	130	--	<5	--
		11-07-88	1030	--	--	--	3	--	--	140	--	<5	--
		11-15-88	0755	130	--	--	--	4	--	180	--	--	--
		12-20-88	1315	--	--	--	3	--	--	140	--	<5	--
		01-24-89	0940	--	--	<1	3	--	--	140	--	<5	--
		02-14-89	0925	--	--	--	2	--	--	120	--	<5	--
		03-14-89	0905	--	--	--	3	--	--	110	--	<5	--
		04-20-89	0840	--	--	<1	2	--	--	120	--	<5	--
05-18-89	0905	--	--	--	--	2	--	100	--	<5	--		
06-13-89	0900	--	--	--	3	--	--	100	--	<5	--		
07-13-89	1225	--	--	--	2	--	--	85	--	<5	--		
08-14-89	0940	--	--	--	5	--	--	110	--	<5	--		
09-14-89	1300	--	--	--	4	--	--	100	--	<5	--		
10-06-89	1300	--	--	--	4	--	--	110	--	<5	--		
11-20-89	0905	--	--	--	3	--	--	120	--	<5	--		

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,			Antimony, dissolved (μg/L as Sb) (01095)	Arsenic, dissolved (μg/L as As) (01000)	Arsenic, total (μg/L as As) (01002)	Barium, dissolved (μg/L as Ba) (01005)	Barium, total recoverable (μg/L as Ba) (01007)	Beryllium, dissolved (μg/L as Be) (01010)	Beryllium, total recoverable (μg/L as Be) (01012)	
				Aluminum, dissolved (μg/L as Al) (01106)	Aluminum, total recoverable (μg/L as Al) (01105)									
62	06889000	12-12-89	0925	--	--	--	--	3	--	150	--	<0.5	--	
		01-08-90	0920	--	--	--	--	2	--	--	--	<.5	--	
		02-06-90	0930	--	--	--	--	2	--	130	--	<.5	--	
		03-19-90	1015	--	--	--	--	3	--	120	--	<.5	--	
		04-30-90	1200	--	--	--	--	2	--	140	--	<.5	--	
72	06890100	07-29-87	1045	<10	--	--	--	2	--	130	--	<10	--	
		08-19-87	0925	100	3,500	--	--	<1	2	150	200	<10	<10	
		09-23-87	1010	300	--	--	--	1	--	160	--	<10	--	
		10-21-87	0945	50	250	--	--	3	3	180	100	10	10	
		11-24-87	0930	60	--	--	--	2	--	140	--	<10	--	
		12-23-87	0930	320	--	--	--	3	--	80	--	<10	--	
		01-20-88	1045	80	--	--	--	1	--	130	--	<10	--	
		02-17-88	0930	110	8,800	--	--	2	3	140	200	10	10	
		03-16-88	1000	<10	--	--	--	2	--	130	--	<10	--	
		04-20-88	1030	<10	590	--	--	--	5	120	100	<10	<10	
		05-18-88	0950	<10	--	--	--	2	--	170	--	<10	--	
		06-08-88	0945	<10	390	--	--	4	3	230	300	<10	<10	
		07-13-88	0915	<10	--	--	--	--	--	230	--	10	--	
		08-10-88	1000	30	900	--	--	3	5	--	200	<10	<10	
		08-31-88	1025	30	--	--	--	3	--	150	--	<10	--	
		10-05-88	1000	120	600	--	--	<1	3	260	300	--	--	
		11-09-88	1010	--	--	--	--	2	--	210	--	<.5	--	
		11-09-88	1020	<10	--	--	--	--	--	--	--	--	--	
		11-17-88	1020	<10	--	--	--	3	--	190	--	--	--	
		12-21-88	1010	20	190	--	--	<1	<1	210	200	<10	<10	
		01-25-89	1215	--	--	<1	--	1	--	110	--	<.5	--	
		01-25-89	1220	90	220	--	--	--	2	--	--	100	--	<10
		02-15-89	1030	--	--	--	--	--	2	--	160	--	<.5	--
		02-15-89	1035	50	--	--	--	--	--	--	--	--	--	--
		03-15-89	1130	--	--	--	--	--	2	--	95	--	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Time (24-hour)	Aluminum,			Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Arsenic, total (µg/L as As) (01002)	Barium, dissolved (µg/L as Ba) (01005)	Barium, total recoverable (µg/L as Ba) (01007)	Beryllium, dissolved (µg/L as Be) (01010)	Beryllium, total recoverable (µg/L as Be) (01012)
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, total recoverable (µg/L as Al) (01105)								
72	06890100	03-15-89	1135	40	360	--	--	--	1	--	100	--	<10
		04-19-89	0920	--	--	<1	--	3	--	170	--	<0.5	--
		04-19-89	0925	140	530	--	--	--	3	--	200	--	<10
		05-17-89	1315	--	--	--	--	3	--	250	--	<.5	--
		05-17-89	1320	<10	--	--	--	--	--	--	--	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number identification (plate 1)	U.S. Geological Survey number	Date	Boron, dissolved (µg/L as B) (01020)		Cadmium, dissolved (µg/L as Cd) (01025)		Cadmium total recovery (µg/L as Cd) (01027)		Chromium, dissolved (µg/L as Cr) (01030)		Chromium, total recovery (µg/L as Cr) (01034)		Cobalt, dissolved (µg/L as Co) (01035)		Copper, dissolved (µg/L as Cu) (01040)		Copper, total recovery (µg/L as Cu) (01042)		Cyanide, dissolved (mg/L as CN) (00723)		
62	06889000	10-20-87	90	0.10	0.1	--	--	--	--	<.5	--	--	--	<3	2	--	--	<.01			
		11-23-87	110	--	--	<.1	--	--	--	<.5	--	--	--	<3	2	--	--	--			
		12-22-87	70	--	--	.2	--	--	--	<.5	--	--	--	<3	3	--	--	--			
		01-19-88	80	.09	.9	--	--	--	--	.8	--	--	--	--	<3	1	--	--	<.01		
		02-17-88	80	--	--	<.1	--	--	--	<.5	--	--	--	--	<3	1	--	--	--		
		03-15-88	--	--	--	.1	--	--	--	<.5	--	--	--	--	<3	2	--	--	--		
		04-18-88	--	.10	.2	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	<.01		
		05-17-88	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--		
		06-07-88	--	--	.6	--	--	--	--	<.5	--	--	--	--	<3	3	--	--	--		
		07-07-88	--	.12	.1	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	<.01		
		08-09-88	--	--	.4	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--		
		08-30-88	--	--	.5	--	--	--	--	<.5	--	--	--	--	<3	3	--	--	--		
		10-04-88	--	.12	.1	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	<.01		
		11-07-88	--	--	<.1	--	--	--	--	.5	--	--	--	--	<3	2	--	--	--		
		11-15-88	100	.10	--	--	--	--	--	1	--	--	--	--	--	<10	--	--	--		
		12-20-88	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--	<.01	
		01-24-89	--	.10	<.1	--	--	--	--	1	--	--	--	--	<3	<.5	--	--	--	<.01	
		02-14-89	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--	--	
		03-14-89	--	--	.1	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--	--	
		04-20-89	--	<.01	<.1	--	--	--	--	2	--	--	--	--	<3	.7	--	--	--	<.01	
		05-18-89	--	--	<.1	--	--	--	--	<.5	--	--	--	--	<3	.7	--	--	--	--	
		06-13-89	--	--	<.1	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--	--	
		07-13-89	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--	--	
		08-14-89	--	--	.9	--	--	--	--	<.5	--	--	--	--	<3	6	--	--	--	--	
		09-14-89	--	--	.3	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--	--	
		10-06-89	--	--	.1	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--	--	
		11-20-89	--	--	<.1	--	--	--	--	<.5	--	--	--	--	<3	1	--	--	--	--	
		12-12-89	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--	--	
		01-08-90	--	--	.2	--	--	--	--	<.5	--	--	--	--	<3	2	--	--	--	--	
		02-06-90	--	--	.4	--	--	--	--	.7	--	--	--	--	<3	2	--	--	--	--	

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Boron, dissolved (µg/L as B) (01020)			Cadmium, dissolved (µg/L as Cd) (01025)			Cadmium, total (µg/L as Cd) (01027)		Chromium, dissolved (µg/L as Cr) (01030)		Chromium, total (µg/L as Cr) (01034)		Cobalt, dissolved (µg/L as Co) (01035)		Copper, dissolved (µg/L as Cu) (01040)		Copper, total (µg/L as Cu) (01042)		Cyanide, dissolved (mg/L as CN) (00723)	
			µg/L as B	mg/L as Br	(71870)	µg/L as Cd	µg/L as Cd	(01025)	µg/L as Cd	(01027)	µg/L as Cr	(01030)	µg/L as Cr	(01034)	µg/L as Co	(01035)	µg/L as Cu	(01040)	µg/L as Cu	(01042)	mg/L as CN	(00723)
62	06889000	03-19-90	--	--	--	<0.1	<0.1	--	--	--	<0.5	--	--	--	<3	1	--	--	--	--	--	--
		04-30-90	--	--	--	<.1	<.5	--	--	--	<.5	--	--	--	<3	1	--	--	--	--	--	--
72	06890100	07-29-87	90	0.06	--	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	<0.01	--
		08-19-87	110	--	--	<1	<1	<1	<1	<1	<10	<10	<10	<10	--	<10	<10	<10	<10	--	--	--
		09-23-87	80	--	--	<1	<1	--	--	--	<10	<10	--	--	--	20	--	--	--	--	--	--
		10-21-87	<10	.07	--	<1	<1	<1	<1	<1	<10	<10	<10	<10	--	<10	<10	<10	<10	--	<0.1	--
		11-24-87	90	--	--	<1	<1	--	--	--	<10	<10	--	--	--	<10	<10	<10	--	--	--	--
		12-23-87	130	--	--	<1	<1	--	--	--	<10	<10	--	--	--	<10	<10	<10	--	--	--	--
		01-20-88	120	.02	--	<1	<1	--	--	--	<10	<10	--	--	--	10	<10	<10	<10	--	<0.1	--
		02-17-88	50	--	--	<1	<1	<1	<1	<1	<10	<10	<10	<10	--	<10	<10	<10	<10	--	--	--
		03-16-88	40	--	--	<1	<1	--	--	--	<10	<10	--	--	--	<10	<10	<10	<10	--	--	--
		04-20-88	80	.04	--	<1	<1	<1	<1	<1	<10	<10	<10	<10	--	<10	<10	<10	<10	--	<0.1	--
		05-18-88	110	--	--	<1	<1	--	--	--	<10	<10	--	--	--	10	<10	<10	<10	--	--	--
		06-08-88	150	--	--	1	1	1	1	1	<10	<10	<10	<10	--	<10	<10	<10	<10	--	--	--
		07-13-88	120	.07	--	<1	<1	--	--	--	<10	<10	--	--	--	--	--	--	--	--	<0.1	--
		08-10-88	110	--	--	<1	<1	3	3	3	<10	<10	10	10	--	--	--	10	10	--	--	--
		08-31-88	180	--	--	1	1	--	--	--	<10	<10	--	--	--	<10	<10	<10	--	--	--	--
		10-05-88	160	.04	--	2.0	2.0	2	2	2	<10	<10	<10	<10	--	--	<10	<10	<10	<10	<0.1	--
		11-09-88	--	--	--	<1	<1	--	--	--	3	3	--	--	<3	2	--	--	--	--	--	--
		11-09-88	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11-17-88	60	.05	--	--	--	--	--	--	<1	<1	--	--	--	<10	<10	<10	<10	--	--	--
		12-21-88	100	--	--	<1	<1	1	1	1	<10	<10	<10	<10	--	<10	<10	<10	20	--	--	--
		01-25-89	--	.05	--	.6	.6	--	--	--	<5	<5	--	--	<3	1	--	--	--	<0.1	--	--
		01-25-89	90	--	--	--	--	1	1	1	<10	<10	<10	<10	--	--	<10	<10	<10	<10	--	--
		02-15-89	--	--	--	.6	.6	--	--	--	<5	<5	--	--	<3	3	--	--	--	--	--	--
		02-15-89	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03-15-89	--	--	--	.2	.2	--	--	--	<5	<5	--	--	<3	1	--	--	--	--	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number identification (plate 1)	U.S. Geological Survey number	Date	Boron, dissolved (µg/L as B) (01020)		Cadmium, dissolved (µg/L as Cd) (01025)		Cadmium total recoverable (µg/L as Cd) (01027)		Chromium, dissolved (µg/L as Cr) (01030)		Chromium, total recoverable (µg/L as Cr) (01034)		Cobalt, dissolved (µg/L as Co) (01035)		Copper, dissolved (µg/L as Cu) (01040)		Copper, total recoverable (µg/L as Cu) (01042)		Cyanide, dissolved (mg/L as CN) (00723)
			(mg/L as Br) (71870)																
72	06890100	03-15-89	--	110	--	<1	--	<10	--	<0.5	--	<10	--	5	--	<0.5	30	--	<0.01
		04-19-89	<0.01	--	<0.1	--	<1	--	<10	--	1	--	<10	--	6	--	<10	--	
		04-19-89	--	200	--	<1	--	--	--	--	1	--	--	--	<3	6	--	--	
		05-17-89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
		05-17-89	--	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molybdenum, dissolved (µg/L as Mo) (01060)
62	06889000	10-20-87	7	--	<0.5	--	25	13	--	0.2	--	<10
		11-23-87	3	--	<5	--	34	56	--	--	--	<10
		12-22-87	13	--	<5	--	18	17	--	.1	--	<10
		01-19-88	6	--	<5	--	24	18	--	.3	--	<10
		02-17-88	13	--	<5	--	28	12	--	.4	--	10
		03-15-88	2,500	--	<5	--	33	24	--	<1	--	<10
		04-18-88	4	--	<5	--	28	11	--	<1	--	<10
		05-17-88	28	--	<5	--	34	20	--	.1	--	<10
		06-07-88	3	--	<5	--	28	2	--	.3	--	<10
		07-07-88	8	--	<5	--	32	2	--	.4	--	<10
		08-09-88	6	--	<5	--	18	2	--	.3	--	<10
		08-30-88	<3	--	<5	--	40	10	--	.6	--	10
		10-04-88	7	--	<5	--	31	8	--	<1	--	<10
		11-07-88	8	--	<5	--	22	9	--	<1	--	<10
		11-15-88	200	--	<10	--	--	110	--	--	--	<1
		12-20-88	5	--	<5	--	31	34	--	<1	--	<10
		01-24-89	17	--	<5	--	33	33	--	1.7	--	<10
		02-14-89	13	--	<5	--	28	46	--	<1	--	<10
		03-14-89	5	--	<5	--	30	23	--	<1	--	<10
		04-20-89	12	--	<5	--	30	17	--	<1	--	10
		05-18-89	11	--	<5	--	25	10	--	<1	--	<10
		06-13-89	6	--	<5	--	23	1	--	.2	--	<10
		07-13-89	23	--	<5	--	6	<1	--	<1	--	<10
		08-14-89	14	--	4	--	14	<1	--	.5	--	<10
		09-14-89	22	--	<5	--	9	<1	--	<1	--	<10
		10-06-89	12	--	<5	--	16	5	--	.1	--	<10
		11-20-89	10	--	<5	--	15	5	--	<1	--	<10
		12-12-89	74	--	<5	--	25	65	--	.1	--	<10
		01-08-90	--	--	<5	--	19	1	--	.3	--	<10
		02-06-90	5	--	<5	--	18	18	--	<1	--	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Iron, dissolved (μg/L as Fe) (01046)	Iron, total recoverable (μg/L as Fe) (01045)	Lead, dissolved (μg/L as Pb) (01049)	Lead, total recoverable (μg/L as Pb) (01051)	Lithium, dissolved (μg/L as Li) (01130)	Manganese, dissolved (μg/L as Mn) (01056)	Manganese, total recoverable (μg/L as Mn) (01055)	Mercury, dissolved (μg/L as Hg) (71890)	Mercury, total recoverable (μg/L as Hg) (71900)	Molybdenum, dissolved (μg/L as Mo) (01060)
62	06889000	03-19-90	8	--	<0.5	--	14	4	--	<0.1	--	<10
		04-30-90	5	--	<.5	--	21	18	--	<.1	--	10
72	06890100	07-29-87	--	--	--	--	--	850	--	<.5	--	--
		08-19-87	--	3,500	3	6	--	40	260	.5	<0.5	--
		09-23-87	--	--	<1	--	--	50	--	<.5	--	--
		10-21-87	--	380	<1	<1	--	130	140	<.5	<.5	--
		11-24-87	--	--	<1	--	--	90	--	<.5	--	--
		12-23-87	--	--	<1	--	--	20	--	<.5	--	--
		01-20-88	--	--	<1	--	--	50	--	<.5	--	--
		02-17-88	--	7,700	<1	<1	--	50	260	<.5	<.5	--
		03-16-88	--	--	<1	--	--	60	--	<.5	--	--
		04-20-88	--	750	2	26	--	20	90	<.5	<.5	--
		05-18-88	--	--	<1	--	--	60	--	<.5	--	--
		06-08-88	<10	800	<1	1	--	20	160	<.5	<.5	--
		07-13-88	<10	--	<1	--	--	40	--	<.5	--	--
		08-10-88	--	1,000	<1	6	--	40	510	<.5	.6	--
		08-31-88	--	--	<1	--	--	560	--	<.5	--	--
		10-05-88	--	660	<1	1	--	710	890	<.5	<.5	--
		11-09-88	19	--	<5	--	18	520	--	--	--	10
		11-09-88	--	--	--	--	--	--	--	<.5	--	--
		11-17-88	11	--	<10	--	--	150	--	--	--	4
		12-21-88	--	310	<1	<1	--	390	420	<.5	<.5	--
		01-25-89	16	--	--	--	18	340	--	2.0	--	<10
		01-25-89	--	280	--	3	--	--	320	--	<.5	--
		02-15-89	28	--	<.5	--	19	720	--	<.1	--	<10
		02-15-89	--	--	--	--	--	--	--	--	--	--
		03-15-89	15	--	<.5	--	11	380	--	<.1	--	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manga- nese, dissolved (µg/L as Mn) (01056)	Manga- nese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molyb- denum, dissolved (µg/L as Mo) (01060)
72	06890100	03-15-89	--	1,700	--	3	--	--	420	--	<0.5	--
		04-19-89	71	--	<0.5	--	16	820	--	0.4	--	<10
		04-19-89	--	790	--	2	--	--	990	--	<.5	--
		05-17-89	15	--	<.5	--	15	930	--	<.1	--	20
		05-17-89	--	--	--	--	--	--	--	--	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Silver, Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
62	06889000	10-20-87	<10	--	2	<1	--	780	<6	4	--
		11-23-87	10	--	--	<1	--	1,200	<6	<3	--
		12-22-87	<10	--	--	<1	--	750	<6	4	--
		01-19-88	<10	--	<1	<1	--	880	<6	5	--
		02-17-88	<10	--	--	<1	--	870	<6	4	--
		03-15-88	<10	--	--	<1	--	910	<6	150	--
		04-18-88	<10	--	1	<1	--	1,100	<6	3	--
		05-17-88	<10	--	--	<1	--	970	<6	<3	--
		06-07-88	<10	--	--	<1	--	840	<6	8	--
		07-07-88	<10	--	1	<1	--	850	<6	<3	--
		08-09-88	<10	--	--	<1	--	570	<6	<3	--
		08-30-88	20	--	--	<1	--	910	<6	13	--
		10-04-88	<10	--	1	<1	--	800	<6	3	--
		11-07-88	<10	--	--	<1	--	640	<6	5	--
		11-15-88	--	--	--	--	--	780	--	26	--
		12-20-88	<10	--	--	1	--	840	<6	12	--
		01-24-89	<10	--	2	<1	--	870	<6	17	--
		02-14-89	<10	--	--	1	--	790	<6	13	--
		03-14-89	10	--	--	<1	--	770	<6	6	--
		04-20-89	<10	--	1	<1	--	770	<6	3	--
		05-18-89	<10	--	--	1	--	660	<6	16	--
		06-13-89	<10	--	--	<1	--	590	<6	9	--
		07-13-89	<10	--	--	<1	--	310	7	6	--
		08-14-89	10	--	--	<1	--	370	9	9	--
		09-14-89	<10	--	--	<1	--	300	<6	<3	--
		10-06-89	<10	--	--	<1	--	370	<6	6	--
		11-20-89	<10	--	--	<1	--	510	<6	3	--
		12-12-89	<10	--	--	<1	--	740	<6	13	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total reco- verable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total reco- verable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total reco- verable (µg/L as Zn) (01092)
62	06889000	01-08-90	10	--	--	<1	--	--	7	<3	--
		02-06-90	<10	--	--	<1	--	670	<6	<3	--
		03-19-90	<10	--	--	2	--	610	<6	9	--
		04-30-90	<10	--	--	<1	--	900	<6	<3	--
72	06890100	07-29-87	--	--	--	--	--	--	--	<10	--
		08-19-87	20	30	--	--	<1	--	--	10	<10
		09-23-87	<10	--	--	--	2	--	--	<10	--
		10-21-87	10	<10	--	<1	--	--	--	<10	20
		11-24-87	--	--	--	--	--	--	--	<10	--
		12-23-87	<10	--	--	--	--	--	--	<10	--
		01-20-88	20	--	--	<1	--	--	--	<10	--
		02-17-88	<10	<10	--	<1	1	--	--	<10	50
		03-16-88	<10	--	--	<1	--	--	--	<10	--
		04-20-88	<10	<10	--	<1	<1	--	--	<10	30
		05-18-88	--	--	--	<1	--	--	--	<10	--
		06-08-88	30	<10	--	<1	<1	--	--	<10	10
		07-13-88	20	--	2	<1	--	--	--	<10	--
		08-10-88	<10	<10	--	<1	<1	--	--	30	90
		08-31-88	--	--	--	1	--	--	--	20	--
		10-05-88	--	80	--	<1	<1	--	--	<10	<10
		11-09-88	<10	--	--	--	--	980	<6	8	--
		11-09-88	--	--	--	<1	--	--	--	--	--
		11-17-88	--	--	--	--	--	1,100	--	4	--
		12-21-88	<10	<10	1	<1	1	--	--	<10	<10
		01-25-89	<10	--	<1	--	--	1,000	<6	7	--
		01-25-89	--	90	--	<1	<1	--	--	--	10
		02-15-89	<10	--	--	<1	--	1,400	<6	29	--
		02-15-89	--	--	--	--	--	--	--	--	--
		03-15-89	<10	--	--	2	--	690	<6	13	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
72	06890100	03-15-89	--	<10	--	--	<1	--	--	--	90
		04-19-89	20	--	<1	3	--	850	<6	5	--
		04-19-89	--	<10	4	--	5	--	--	--	40
		05-17-89	10	--	--	2	--	1,100	<6	5	--
		05-17-89	--	--	--	--	--	--	--	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,				Barium,			Beryllium,	
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, recov- erable (µg/L as Al) (01105)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Arsenic, total (µg/L as As) (01002)	Barium, dissolved (µg/L as Ba) (01005)	Barium, total recov- erable (µg/L as Ba) (01007)	Beryllium, dissolved (µg/L as Be) (01010)	Beryllium, total recov- erable (µg/L as Be) (01012)
72	06890100	05-22-89	1450	--	--	--	2	--	190	--	<0.5	--
		06-14-89	0915	--	--	--	3	--	180	--	<0.5	--
		06-14-89	0920	<10	--	--	--	--	--	--	--	--
		07-12-89	0945	--	--	--	3	--	170	--	<0.5	--
		07-12-89	0950	<10	--	--	--	--	--	--	--	--
		08-16-89	0935	--	--	--	1	--	150	--	<0.5	--
		08-16-89	0940	<10	1,000	--	--	5	--	200	--	<10
		09-06-89	1115	--	--	--	2	--	58	--	<0.5	--
		09-06-89	1120	<10	23,000	--	--	12	--	800	--	<10
		09-10-89	1155	--	--	--	3	--	97	--	<0.5	--
		10-11-89	0925	--	--	--	2	--	200	--	<0.5	--
		10-11-89	0930	120	910	--	--	3	--	100	--	10
		11-15-89	0920	--	--	--	2	--	170	--	<0.5	--
		11-15-89	0925	190	220	--	--	5	--	200	--	<10
		12-13-89	1000	--	--	--	2	--	190	--	<0.5	--
		12-13-89	1005	<10	110	--	--	1	--	200	--	10
74	06890900	01-24-90	0850	--	--	--	1	--	110	--	<0.5	--
		01-24-90	0855	570	430	--	--	3	--	200	--	<10
		02-07-90	1220	--	--	--	<1	--	110	--	<0.5	--
		02-07-90	1225	100	--	--	--	--	--	--	--	--
		03-21-90	1035	100	400	--	2	2	210	200	<10	<10
		04-18-90	1055	60	110	<30	--	<1	150	100	<10	<10
		07-29-87	0915	<10	--	--	2	--	30	--	<10	--
		08-19-87	0830	<10	3,600	--	1	3	--	200	<10	<10
		10-21-87	0840	10	720	--	<1	3	170	200	--	10
		11-24-87	0915	80	--	--	1	--	110	--	<10	--
		12-23-87	0830	<10	420	--	2	4	60	90	<10	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,			Antimony, Arsenic, Arsenic, total			Barium, total			Beryllium, total	
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, total recoverable (µg/L as Al) (01105)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Arsenic, total (µg/L as As) (01002)	Barium, dissolved (µg/L as Ba) (01005)	Barium, total recoverable (µg/L as Ba) (01007)	Beryllium, dissolved (µg/L as Be) (01010)	Beryllium, total recoverable (µg/L as Be) (01012)		
74	06890900	01-20-88	0915	<10	--	--	1	--	--	150	--	<10	--	
		02-17-88	1245	<10	--	--	1	--	--	120	--	--	--	
		03-16-88	0915	<10	--	--	1	--	--	90	--	<10	--	
		04-20-88	0915	<10	440	--	8	7	100	120	100	<10	<10	
		05-18-88	1230	<10	--	--	2	--	--	150	--	<10	--	
		06-08-88	1215	100	830	--	3	2	200	210	200	<10	<10	
		07-13-88	1245	<10	--	--	8	--	--	120	--	<10	--	
		08-10-88	1300	<10	1,100	--	--	--	100	100	100	<10	<10	
		08-31-88	1320	250	--	--	4	--	--	100	--	<10	--	
		10-05-88	1300	<10	420	--	3	1	100	130	100	--	--	
		11-09-88	1300	--	--	--	2	--	--	100	--	<.5	--	
		11-09-88	1310	50	--	--	--	--	--	--	--	--	--	
		12-21-88	1315	90	170	--	<1	<1	100	100	100	<10	<10	
		01-25-89	0840	--	--	<1	1	--	--	99	--	<.5	--	
		01-25-89	0845	<10	--	--	--	--	--	--	--	--	--	
		02-15-89	1330	--	--	--	1	--	--	110	--	<.5	--	
		02-15-89	1335	<10	--	--	--	--	--	--	--	--	--	
		03-15-89	0845	120	180	--	--	--	1	--	--	100	<10	
		03-15-89	0850	--	--	--	--	1	--	100	--	<.5	--	
		04-19-89	1230	--	--	<1	1	--	--	100	--	<.5	--	
04-19-89	1235	<10	--	--	--	--	--	--	--	--	--			
05-17-89	1040	--	--	--	--	1	--	120	--	<.5	--			
05-17-89	1045	<10	--	--	--	--	--	--	--	--	--			
06-14-89	1215	--	--	--	--	1	--	130	--	<.5	--			
06-14-89	1220	<10	--	--	--	--	--	--	--	--	--			
07-12-89	1250	--	--	--	--	12	--	--	100	--	<.5	--		
07-12-89	1255	<10	--	--	--	--	--	--	--	--	<.5	--		
08-16-89	1155	--	--	--	--	4	--	--	93	--	<.5	--		
08-16-89	1200	<10	470	--	--	--	7	100	--	100	<.5	<10		
09-13-89	1120	--	--	--	--	4	--	--	74	--	<.5	--		

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,			Antimony, dissolved (μg/L as Sb) (01095)	Arsenic, dissolved (μg/L as As) (01000)	Arsenic, total (μg/L as As) (01002)	Barium, dissolved (μg/L as Ba) (01005)	Barium, recoverable (μg/L as Ba) (01007)	Beryllium, dissolved (μg/L as Be) (01010)	Beryllium, total recoverable (μg/L as Be) (01012)
				Aluminum, dissolved (μg/L as Al) (01106)	Aluminum, total recoverable (μg/L as Al) (01105)								
74	06890900	09-13-89	1125	<10	900	--	--	--	10	--	90	--	<10
		10-11-89	1300	--	--	--	2	2	--	79	--	<0.5	--
		10-11-89	1305	<10	930	--	--	--	2	--	70	--	<10
		11-15-89	1250	--	--	--	2	2	--	75	--	<.5	--
		11-15-89	1255	120	700	--	--	--	3	--	100	--	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total recoverable (µg/L as Cd) (01027)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total recoverable (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
72	06890100	05-22-89	--	--	<1	--	<1	--	<3	2	--	--
		06-14-89	--	--	<1	--	<.5	--	<3	2	--	--
		06-14-89	130	--	--	--	--	--	--	--	--	--
		07-12-89	--	--	3.3	--	<.5	--	<3	1	--	--
		07-12-89	130	--	--	--	--	--	--	--	--	--
		08-16-89	--	--	.1	--	<.5	--	<3	1	--	--
		08-16-89	160	--	--	<1	--	<10	--	--	30	--
		09-06-89	--	--	<1	--	<.5	--	<3	3	--	--
		09-06-89	160	--	--	1	--	<10	--	--	50	--
		09-10-89	--	--	4.6	--	<.5	--	<3	3	--	--
		10-11-89	--	--	<1	--	<.5	--	<3	1	--	--
		10-11-89	220	--	--	1	--	<10	--	--	10	--
		11-15-89	--	--	.1	--	<.5	--	<3	1	--	--
		11-15-89	250	--	--	<1	--	<10	--	--	10	--
74	06890900	12-13-89	--	--	.2	--	<.5	--	<3	1	--	--
		12-13-89	210	--	--	<1	--	10	--	--	20	--
		01-24-90	--	--	.1	--	<.5	--	<3	2	--	--
		01-24-90	20	--	--	<1	--	<10	--	--	<10	--
		02-07-90	--	--	.2	--	<.5	--	<3	<.5	--	--
		02-07-90	30	--	--	--	--	--	--	--	--	--
		03-21-90	30	--	<1	<1	<10	<10	--	<10	10	--
		04-18-90	50	--	<1	<1	--	<10	--	<10	<10	--
		07-29-87	40	<0.01	1	--	--	--	--	--	--	<0.01
		08-19-87	90	--	<1	<1	<10	<10	--	<10	<10	--
		10-21-87	<10	.02	<1	<1	<10	<10	--	--	--	<0.01
		11-24-87	50	--	<1	--	<10	--	--	<10	--	--
		12-23-87	30	--	<1	<1	<10	<10	--	--	<10	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total recoverable (µg/L as Cd) (01027)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total recoverable (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
74	06890900	01-20-88	70	0.04	<1	--	<10	--	--	<10	--	<0.01
		02-17-88	20	--	<1	--	<10	--	--	<10	--	--
		03-16-88	<10	--	<1	--	<10	--	--	<10	--	--
		04-20-88	<10	.02	<1	<1	<10	<10	--	--	10	<.01
		05-18-88	140	--	<1	--	<10	--	--	--	--	--
		06-08-88	100	--	1	<1	<10	<10	--	<10	<10	--
		07-13-88	20	.02	1	--	<10	--	--	--	--	<.01
		08-10-88	70	--	<1	<1	<10	<10	--	--	<10	--
		08-31-88	50	--	<1	--	<10	--	--	<10	<10	--
		10-05-88	30	.04	<1	<1	<10	<10	--	<10	<10	<.01
		11-09-88	--	--	<1	--	1	--	<3	1	--	--
		11-09-88	110	--	--	--	--	--	--	--	--	--
		12-21-88	30	--	<1	1	<10	<10	--	<10	<10	--
		01-25-89	--	.03	<.1	--	<.5	--	<3	1	--	<.01
		01-25-89	60	--	--	--	--	--	--	--	--	--
		02-15-89	--	--	--	--	<.5	--	<3	1	--	--
		02-15-89	130	--	<1	--	--	--	--	--	--	--
		03-15-89	80	--	--	2	--	<10	--	--	30	--
		03-15-89	--	--	.4	--	<.5	--	<3	1	--	--
		04-19-89	--	<.01	<.1	--	<.5	--	<3	<.5	--	<.01
		04-19-89	70	--	--	--	--	--	--	--	--	--
		05-17-89	--	--	<.1	--	<.5	--	<3	2	--	--
		05-17-89	90	--	--	--	--	--	--	--	--	--
		06-14-89	--	--	<.1	--	.5	--	<3	.5	--	--
		06-14-89	130	--	--	--	--	--	--	--	--	--
		07-12-89	--	--	.4	--	1	--	<3	1	--	--
		07-12-89	60	--	--	--	--	--	--	--	--	--
		08-16-89	--	--	<.1	--	<.5	--	<3	1	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total recoverable (µg/L as Cd) (01027)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total recoverable (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
74	06890900	08-16-89	90	--	--	<1	--	<10	--	--	20	--
		09-13-89	--	--	0.1	--	<0.5	--	<3	1	--	--
		09-13-89	140	--	--	<1	--	<10	--	--	10	--
		10-11-89	--	--	<.1	--	<.5	--	<3	1	--	--
		10-11-89	130	--	--	5	--	<10	--	--	20	--
		11-15-89	--	--	<.1	--	<.5	--	<3	2	--	--
		11-15-89	120	--	--	<1	--	<10	--	--	10	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molybdenum, dissolved (µg/L as Mo) (01060)
72	06890100	05-22-89	5	--	<1	--	13	480	--	<0.1	--	10
		06-14-89	7	--	<.5	--	9	140	--	1.2	--	<10
		06-14-89	--	--	--	--	--	--	--	--	--	--
		07-12-89	14	--	<.5	--	7	290	--	.1	--	<10
		07-12-89	--	--	--	--	--	--	--	--	--	--
		08-16-89	16	--	<.5	--	14	490	--	<.1	--	<10
		08-16-89	--	1,100	--	2	--	--	760	--	<0.5	--
		09-06-89	100	--	<.5	--	<4	18	--	.1	--	<10
		09-06-89	--	20,000	--	49	--	--	1,800	--	<.5	--
		09-10-89	70	--	<.5	--	<4	15	--	.1	--	<10
		10-11-89	5	--	<.5	--	13	450	--	<.1	--	10
		10-11-89	--	1,000	--	<1	--	--	710	--	<.5	--
		11-15-89	10	--	.7	--	12	330	--	<.1	--	<10
		11-15-89	--	290	--	4	--	--	410	--	<.5	--
		12-13-89	6	--	<.5	--	15	580	--	<.1	--	<10
		12-13-89	--	250	--	3	--	--	620	--	<.5	--
74	06890900	01-24-90	12	--	<.5	--	<9	190	--	<.1	--	<10
		01-24-90	--	360	--	2	--	--	230	--	<.5	--
		02-07-90	10	--	<.5	--	9	200	--	.2	--	<10
		02-07-90	--	--	--	--	--	--	--	--	--	--
		03-21-90	<10	390	<1	5	--	120	210	.5	<.5	--
		04-18-90	--	70	--	<1	--	120	30	.5	<.5	--
		07-29-87	--	--	2	--	--	50	--	<.5	--	--
		08-19-87	--	3,500	--	4	--	140	1,500	<.5	<.5	--
		10-21-87	<10	--	<1	<1	--	30	--	<.5	<.5	--
		11-24-87	--	--	<1	--	--	<10	--	<.5	--	--
		12-23-87	--	490	1	4	--	30	50	<.5	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molybdenum, dissolved (µg/L as Mo) (01060)
74	06890900	01-20-88	--	--	<1	--	--	180	--	<0.5	--	--
		02-17-88	--	--	<1	--	--	40	--	<.5	--	--
		03-16-88	--	--	<1	--	--	20	--	1.0	--	--
		04-20-88	<10	700	--	--	--	30	80	<.5	--	--
		05-18-88	--	--	<1	--	--	190	--	.5	--	--
		06-08-88	<10	1,800	<1	<1	--	1,400	1,400	--	<.5	--
		07-13-88	<10	--	--	--	--	2,400	--	<.5	--	--
		08-10-88	10	1,900	<1	<1	--	4,000	4,000	<.5	--	--
		08-31-88	--	--	<1	--	--	100	--	<.5	--	--
		10-05-88	<10	550	<1	3	--	<10	50	<.5	--	--
		11-09-88	7	--	<5	--	7	4	--	--	--	<10
		11-09-88	--	--	--	--	--	--	--	<.5	--	--
		12-21-88	10	170	<1	<1	--	90	130	<.5	<.5	--
		01-25-89	3	--	<.5	--	6	120	--	<.1	--	<10
		01-25-89	--	--	--	--	--	--	--	--	--	--
		02-15-89	14	--	<.5	--	6	500	--	<.1	--	<10
		02-15-89	--	--	--	--	--	--	--	--	--	--
		03-15-89	--	250	--	11	--	--	260	--	<.5	--
		03-15-89	11	--	<.5	--	6	230	--	<.1	--	<10
		04-19-89	7	--	<.5	--	7	78	--	.4	--	<10
		04-19-89	--	--	--	--	--	--	--	--	--	--
		05-17-89	8	--	.6	--	5	410	--	<.1	--	<10
		05-17-89	--	--	--	--	--	--	--	--	--	--
		06-14-89	6	--	1	--	4	1,600	--	.9	--	<10
		06-14-89	--	--	--	--	--	--	--	--	--	--
		07-12-89	14	--	<.5	--	<4	1,600	--	<.1	--	<10
		07-12-89	--	--	--	--	--	--	--	--	--	--
		08-16-89	5	--	<.5	--	4	710	--	<.1	--	<10
		08-16-89	--	980	--	5	--	--	990	--	<.5	--
		09-13-89	25	--	<.5	--	<4	77	--	<.1	--	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manga- nese, dissolved (µg/L as Mn) (01056)	Manga- nese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molyb- denum, dissolved (µg/L as Mo) (01060)
74	06890900	09-13-89	--	1,000	--	<1	--	--	190	--	<0.5	--
		10-11-89	6	--	<0.5	--	4	28	--	0.1	--	10
		10-11-89	--	1,100	--	6	--	--	140	--	<5	--
		11-15-89	11	--	<5	--	5	6	--	<1	--	<10
		11-15-89	--	650	--	3	--	--	50	--	<5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recov- erable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recov- erable (µg/L as Ag) (01077)	Strontium, Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recov- erable (µg/L as Zn) (01092)
72	06890100	05-22-89	<10	--	--	1	--	<6	<3	--
		06-14-89	10	--	--	<1	--	<6	8	--
		06-14-89	--	--	--	--	--	--	--	--
		07-12-89	<10	--	--	<1	--	6	7	--
		07-12-89	--	--	--	--	--	--	--	--
		08-16-89	20	--	--	<1	--	<6	9	--
		08-16-89	--	<10	<1	--	4	--	--	150
		09-06-89	<10	--	--	<1	--	<6	7	--
		09-06-89	--	90	--	--	2	--	--	180
		09-10-89	<10	--	--	<1	--	<6	20	--
		10-11-89	<10	--	--	<1	--	<6	4	--
		10-11-89	--	10	--	--	<1	--	--	30
		11-15-89	<10	--	--	<1	--	<6	7	--
		11-15-89	--	40	--	--	<1	--	--	20
74	06890900	12-13-89	<10	--	--	1	--	<6	4	--
		12-13-89	--	30	<1	--	<1	--	--	20
		01-24-90	<10	--	--	<1	--	<6	<7	--
		01-24-90	--	<10	2	--	<1	--	--	10
		02-07-90	20	--	--	<1	--	<6	<3	--
		02-07-90	--	--	--	--	--	--	--	--
		03-21-90	<10	<10	--	<1	<1	--	<10	50
		04-18-90	<10	<10	--	<1	<1	--	<10	<10
		07-29-87	10	--	--	--	--	--	--	--
		08-19-87	<10	<10	--	--	<1	--	<10	30
		10-21-87	--	150	--	<1	2	--	<10	20
		11-24-87	--	--	--	--	--	--	<10	--
		12-23-87	<10	50	--	<1	<1	--	<10	350

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
74	06890900	01-20-88	--	--	--	<1	--	--	--	<10	--
		02-17-88	<10	--	--	1	--	--	--	10	--
		03-16-88	10	--	--	<1	--	--	--	<10	--
		04-20-88	<10	<10	--	<1	<1	--	--	<10	80
		05-18-88	--	--	--	<1	--	--	--	<10	--
		06-08-88	<10	20	--	<1	<1	--	--	<10	180
		07-13-88	<10	--	--	1	--	--	--	<10	--
		08-10-88	10	<10	--	<1	<1	--	--	<10	60
		08-31-88	<10	--	--	1	--	--	--	<10	--
		10-05-88	--	60	--	<1	1	--	--	<10	30
		11-09-88	<10	--	--	<1	--	340	<6	4	--
		11-09-88	--	--	--	--	--	--	--	--	--
		12-21-88	<10	<10	--	<1	<1	--	--	<10	<10
		01-25-89	<10	--	<1	1	--	340	<6	5	--
		01-25-89	--	--	--	--	--	--	--	--	--
		02-15-89	<10	--	--	<1	--	350	<6	5	--
		02-15-89	--	--	--	--	--	--	--	--	--
		03-15-89	--	<10	--	--	<1	--	--	--	70
		03-15-89	<10	--	--	<1	--	340	<6	6	--
		04-19-89	<10	--	<1	2	--	330	<6	<3	--
		04-19-89	--	--	--	--	--	--	--	--	--
		05-17-89	<10	--	--	1	--	340	<6	<3	--
		05-17-89	--	--	1	--	--	--	--	--	--
		06-14-89	10	--	--	<1	--	340	<6	6	--
		06-14-89	--	--	--	--	--	--	--	--	--
		07-12-89	<10	--	--	<1	--	340	<6	6	--
		07-12-89	--	--	--	--	--	--	--	--	--
		08-16-89	10	--	--	<1	--	320	<6	5	--
		08-16-89	--	<10	<1	--	<1	--	--	--	110
		09-13-89	<10	--	--	<1	--	270	<6	<3	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
74	06890900	09-13-89	--	50	--	--	<1	--	--	--	20
		10-11-89	<10	--	--	<1	--	250	<6	3	--
		10-11-89	--	<10	--	--	<1	--	--	--	20
		11-15-89	<10	--	--	<1	--	250	<6	10	--
		11-15-89	--	70	<1	--	1	--	--	--	20

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,				Antimony dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Arsenic, total (µg/L as As) (01002)	Barium, dissolved (µg/L as Ba) (01005)	Barium, total recoverable (µg/L as Ba) (01007)	Beryllium, dissolved (µg/L as Be) (01010)	Beryllium, total recoverable (µg/L as Be) (01012)
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, total recoverable (µg/L as Al) (01105)									
74	06890900	12-13-89	1300	--	--	--	--	--	2	--	74	--	<0.5	--
		12-13-89	1305	<10	250	--	--	--	--	6	--	80	--	10
		01-24-90	1220	--	--	--	--	--	1	--	80	--	<.5	--
		01-24-90	1225	280	280	--	--	--	--	3	--	100	--	<10
		02-07-90	0940	--	--	--	--	--	2	--	80	--	<.5	--
		02-07-90	0945	200	--	--	--	--	--	--	--	--	--	--
83	06891500	03-21-90	1315	<10	100	--	--	--	1	1	110	100	<10	<10
		04-25-90	1405	<10	290	<30	--	--	<1	<1	90	90	<10	<10
		07-29-87	1220	<10	--	--	--	--	<1	--	70	--	<10	--
		08-19-87	1100	40	6,600	--	--	--	<1	<1	90	100	--	10
		09-23-87	1315	<10	--	--	--	--	<1	--	90	--	<10	--
		10-21-87	1130	130	1,800	--	--	--	1	1	--	70	<10	<10
		11-24-87	0915	60	--	--	--	--	<1	--	50	--	<10	--
		12-23-87	1115	270	--	--	--	--	3	--	60	--	<10	--
		01-20-88	1215	<10	--	--	--	--	<1	--	100	--	<10	--
		02-17-88	1230	<10	2,000	--	--	--	1	1	--	100	--	<10
		03-16-88	0905	<10	--	--	--	--	<1	--	70	--	<10	--
		04-20-88	1245	<10	1,200	--	--	--	9	--	40	60	<10	<10
		05-18-88	0905	10	--	--	--	--	3	--	50	--	<10	--
		06-08-88	1300	30	690	--	--	--	3	2	--	100	<10	<10
		07-13-88	1445	<10	--	--	--	--	6	--	80	--	<10	--
		08-10-88	1500	50	1,400	--	--	--	5	5	--	90	<10	10
		08-31-88	1500	50	--	--	--	--	<1	--	70	--	<10	--
		10-05-88	1500	20	660	--	--	--	2	3	--	100	--	--
		11-09-88	1545	--	--	--	--	--	--	--	81	--	<.5	--
		11-09-88	1555	<10	--	--	--	--	1	--	--	--	--	--
		12-21-88	1515	60	310	--	--	--	<1	<1	50	70	<10	<10
		01-25-89	1600	--	--	<1	--	--	<1	--	74	--	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,			Antimony, (μg/L as Sb) (01095)	Arsenic, dissolved (μg/L as As) (01000)	Arsenic, total (μg/L as As) (01002)	Barium, dissolved (μg/L as Ba) (01005)	Barium, total recoverable (μg/L as Ba) (01007)	Beryllium, dissolved (μg/L as Be) (01010)	Beryllium, total recoverable (μg/L as Be) (01012)
				Aluminum, dissolved (μg/L as Al) (01106)	Aluminum, total recoverable (μg/L as Al) (01105)								
83	06891500	01-25-89	1605	120	23,000	--	--	--	2	--	500	--	<10
		02-15-89	1530	--	--	--	1	1	--	75	--	<0.5	--
		02-15-89	1535	<10	--	--	--	--	--	--	--	--	--
		03-15-89	1430	--	--	--	1	1	--	83	--	<5	--
		03-15-89	1435	<10	1,500	--	--	--	1	--	60	--	<10
		04-19-89	1445	--	--	<1	1	1	--	80	--	<5	--
		04-19-89	1450	<10	1,300	--	--	--	1	--	60	--	<10
		05-17-89	0750	--	--	--	1	1	--	84	--	<5	--
		05-17-89	0755	<10	--	--	--	--	--	--	--	--	--
		06-14-89	1415	--	--	--	<1	<1	--	80	--	<5	--
		06-14-89	1420	<10	--	--	--	--	--	--	--	--	--
		07-12-89	1510	--	--	--	1	1	--	79	--	<5	--
		07-12-89	1515	<10	--	--	--	--	--	--	--	--	--
		08-16-89	1325	--	--	--	1	1	--	80	--	<5	--
		08-16-89	1330	<10	870	--	--	--	4	--	200	--	<10
		09-13-89	0850	--	--	--	--	2	--	77	--	<5	--
		09-13-89	0855	<10	2,700	--	--	--	3	--	200	--	<10
		10-11-89	1520	--	--	--	1	1	--	98	--	<5	--
		10-11-89	1525	<10	1,400	--	--	--	4	--	<10	--	10
		11-15-89	1500	--	--	--	<1	<1	--	110	--	<5	--
		11-15-89	1505	<10	1,300	--	--	--	2	--	200	--	<10
		12-13-89	1450	--	--	--	<1	<1	--	85	--	<5	--
		12-13-89	1455	<10	210	--	--	--	<1	--	50	--	10
		01-24-90	1415	--	--	--	<1	<1	--	78	--	<5	--
		01-24-90	1420	290	570	--	--	--	2	--	100	--	<10
		02-07-90	0730	--	--	--	<1	<1	--	87	--	<5	--
		02-07-90	0735	<10	--	--	--	--	--	--	--	--	--
		03-21-90	1535	<10	1,400	--	<1	<1	<1	50	50	<10	<10
		04-25-90	1205	10	1,200	<30	<1	<1	<1	--	100	<10	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum,				Barium, total recoverable (µg/L as Ba) (01007)	Beryllium, total recoverable (µg/L as Be) (01012)			
				Aluminum, dissolved (µg/L as Al) (01106)	Aluminum, total recoverable (µg/L as Al) (01105)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)			Arsenic, total (µg/L as As) (01002)		
88	06892350	05-11-87	0955	20	--	--	3	--	170	--	<0.5	--
		06-24-87	0940	<10	--	--	3	--	140	--	<.5	--
		07-22-87	1340	--	--	<1	3	--	160	--	<.5	--
		08-19-87	0945	--	--	--	2	--	150	--	<.5	--
		09-21-87	0930	20	--	--	4	--	130	--	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number identification (plate 1)	U.S. Geological Survey number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total reco- verable (µg/L as Cd) (01027)	Chro- mium, dissolved (µg/L as Cr) (01030)	Chro- mium, total reco- verable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total reco- verable (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
74	06890900	12-13-89	--	--	<0.1	--	<0.5	--	<3	1	--	--
		12-13-89	70	--	--	<1	--	<10	--	--	20	--
		01-24-90	--	--	1.5	--	.6	--	<3	6	--	--
		01-24-90	30	--	--	<1	--	<10	--	--	20	--
		02-07-90	--	--	.1	--	<.5	--	<3	.9	--	--
		02-07-90	30	--	--	--	--	--	--	--	--	--
83	06891500	03-21-90	20	--	<1	<1	<10	<10	--	<10	10	--
		04-25-90	30	--	<1	<1	<10	<10	--	<10	10	--
		07-29-87	20	<0.01	1	--	<10	--	--	<10	--	<0.01
		08-19-87	20	--	<1	<1	<10	10	--	<10	<10	--
		09-23-87	<10	--	<1	--	<10	--	--	--	--	--
		10-21-87	<10	.02	<1	<1	<10	<10	--	<10	<10	<0.01
		11-24-87	70	--	<1	--	<10	--	--	<10	--	--
		12-23-87	80	--	<1	--	<10	--	--	<10	--	--
		01-20-88	70	.02	<1	--	<10	--	--	--	--	<0.01
		02-17-88	50	--	<1	1	<10	10	--	<10	<10	--
		03-16-88	20	--	<1	--	<10	--	--	<10	--	--
		04-20-88	<10	.01	<1	<1	<10	<10	--	<10	<10	<0.01
		05-18-88	140	--	<1	--	10	--	--	--	--	--
		06-08-88	50	--	<1	1	<10	<10	--	<10	<10	--
		07-13-88	70	.03	<1	--	<10	--	--	--	--	<0.01
		08-10-88	40	--	1	1	<10	<10	--	<10	<10	--
		08-31-88	20	--	<1	--	<10	--	--	<10	--	--
		10-05-88	60	.02	<1	1	<10	<10	--	<10	<10	<0.01
		11-09-88	--	--	3.0	--	<5	--	<3	<10	--	--
		11-09-88	80	--	--	--	--	--	--	--	--	--
		12-21-88	60	--	<1	<1	<10	30	--	--	10	--
		01-25-89	--	.02	.6	--	.9	--	<3	1	--	<0.01

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total recoverable (µg/L as Cd) (01027)	Chromium, dissolved (µg/L as Cr) (01030)	Chromium, total recoverable (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total recoverable (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
83	06891500	01-25-89	90	--	--	2	--	30	--	--	50	--
		02-15-89	--	--	0.1	--	1	--	<3	1	--	--
		02-15-89	90	--	--	--	--	--	--	--	--	--
		03-15-89	--	--	.3	--	<.5	--	<3	1	--	--
		03-15-89	80	--	--	<1	--	<10	--	--	20	--
		04-19-89	--	<0.01	<.1	--	.7	--	<3	<.5	--	<0.01
		04-19-89	70	--	--	<1	--	<10	--	--	<10	--
		05-17-89	--	--	<.1	--	<.5	--	<3	1	--	--
		05-17-89	90	--	--	--	--	--	--	--	--	--
		06-14-89	--	--	<.1	--	<.5	--	<3	1	--	--
		06-14-89	70	--	--	--	--	--	--	--	--	--
		07-12-89	--	--	<.1	--	<.5	--	<3	<.5	--	--
		07-12-89	100	--	--	--	--	--	--	--	--	--
		08-16-89	--	--	<.1	--	<.5	--	<3	1	--	--
		08-16-89	90	--	--	<1	--	<10	--	--	20	--
		09-13-89	--	--	<.1	--	<.5	--	<3	.9	--	--
		09-13-89	140	--	--	1	--	<10	--	--	10	--
		10-11-89	--	--	.4	--	<.5	--	<3	1	--	--
		10-11-89	90	--	--	1	--	<10	--	--	10	--
		11-15-89	--	--	<.1	--	<.5	--	<3	1	--	--
		11-15-89	180	--	--	<1	--	<10	--	--	20	--
		12-13-89	--	--	.1	--	<.5	--	<3	3	--	--
		12-13-89	140	--	--	<1	--	15	--	--	40	--
		01-24-90	--	--	1.6	--	.9	--	<3	7	--	--
		01-24-90	40	--	--	<1	--	<10	--	--	<10	--
		02-07-90	--	--	.1	--	<.5	--	<3	.9	--	--
		02-07-90	<10	--	--	--	--	--	--	--	--	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey number	Date	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)	Cadmium, total recovery (µg/L as Cd) (01027)	Chro- mium, dissolved (µg/L as Cr) (01030)	Chro- mium, total recovery (µg/L as Cr) (01034)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Copper, total recovery (µg/L as Cu) (01042)	Cyanide, dissolved (mg/L as CN) (00723)
83	06891500	03-21-90 04-25-90	20 40	-- --	<1 <1	<1 <1	<10 <10	<10 <10	-- --	-- <10	10 10	-- --
8	06892350	05-11-87 06-24-87 07-22-87 08-19-87 09-21-87	100 60 -- -- 70	-- -- 0.05 -- --	<1 <1 1.1 .5 .2	-- -- -- -- --	<5 <5 <5 <5 <5	-- -- -- -- --	<3 <3 <3 <3 <3	<10 3 6 3 3	-- -- -- -- --	-- -- <0.01 -- --

Table 9. Concentrations of trace elements and cyanide in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molybdenum, dissolved (µg/L as Mo) (01060)
74	06890900	12-13-89	17	--	<0.5	--	<4	18	--	0.2	--	<10
		12-13-89	--	390	--	4	--	--	60	--	<0.5	--
		01-24-90	10	--	<.5	--	5	23	--	<.1	--	<10
		01-24-90	--	340	--	4	--	--	320	--	<.5	--
		02-07-90	5	--	<.5	--	<4	<1	--	.2	--	<10
83	06891500	02-07-90	--	--	--	--	--	--	--	--	--	--
		03-21-90	<10	260	1	1	--	20	40	.5	<.5	--
		04-25-90	10	300	4	2	--	10	80	--	.5	--
		07-29-87	30	--	--	--	--	30	--	<.5	--	--
		08-19-87	--	7,000	3	8	--	50	290	<.5	<.5	--
		09-23-87	<10	--	<1	--	--	30	--	<.5	--	--
		10-21-87	20	1,800	<1	<1	--	160	210	<.5	<.5	--
		11-24-87	<10	--	<1	--	--	120	--	<.5	--	--
		12-23-87	--	--	<1	--	--	100	--	<.5	--	--
		01-20-88	40	--	1	--	--	100	--	<.5	--	--
		02-17-88	--	1,800	<1	<1	--	60	100	<.5	<.5	--
		03-16-88	10	--	<1	--	--	40	--	.6	--	--
		04-20-88	20	1,400	--	2	--	20	110	<.5	<.5	--
		05-18-88	--	--	<1	--	--	40	--	<.5	--	--
		06-08-88	<10	1,500	1	7	--	30	150	<.5	<.5	--
		07-13-88	--	--	<1	--	--	--	--	<.5	--	--
		08-10-88	20	1,600	<1	<1	--	--	120	<.5	<.5	--
		08-31-88	10	--	<1	--	--	20	--	<.5	--	--
		10-05-88	20	740	1	4	--	20	80	<.5	<.5	--
		11-09-88	45	--	<10	--	7	110	--	--	--	10
		11-09-88	--	--	--	--	--	--	--	.7	--	--
		12-21-88	--	330	<1	<1	--	100	120	<.5	<.5	--
		01-25-89	93	--	<.5	--	6	44	--	.4	--	<10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron, dissolved (µg/L as Fe) (01046)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, dissolved (µg/L as Hg) (71890)	Mercury, total recoverable (µg/L as Hg) (71900)	Molybdenum, dissolved (µg/L as Mo) (01060)
83	06891500	01-25-89	--	19,000	--	38	--	--	1,000	--	<0.5	--
		02-15-89	33	--	<0.5	--	6	99	--	<0.1	--	<10
		02-15-89	--	--	--	--	--	--	--	--	--	--
		03-15-89	9	--	<.5	--	4	240	--	<.1	--	<10
		03-15-89	--	1,600	--	7	--	--	320	--	<.5	--
		04-19-89	6	--	<.5	--	7	62	--	<.1	--	<10
		04-19-89	--	1,600	--	<1	--	--	170	--	<.5	--
		05-17-89	13	--	<.5	--	<4	8	--	<.1	--	<10
		05-17-89	--	--	--	--	--	--	--	--	--	--
		06-14-89	7	--	<.5	--	<4	24	--	.9	--	<10
		06-14-89	--	--	--	--	--	--	--	--	--	--
		07-12-89	22	--	<.5	--	<4	20	--	.1	--	<10
		07-12-89	--	--	--	--	--	--	--	--	--	--
		08-16-89	5	--	<.5	--	<4	5	--	.1	--	<10
		08-16-89	--	1,200	--	1	--	--	130	--	<.5	--
		09-13-89	13	--	<.5	--	5	17	--	<.1	--	<10
		09-13-89	--	3,000	--	3	--	--	210	--	<.5	--
		10-11-89	17	--	<.5	--	5	57	--	.1	--	10
		10-11-89	--	1,700	--	5	--	--	170	--	<.5	--
		11-15-89	11	--	<.5	--	8	260	--	<.1	--	<10
		11-15-89	--	1,700	--	2	--	--	340	--	<.5	--
		12-13-89	3	--	<.5	--	5	85	--	<.1	--	<10
		12-13-89	--	350	--	5	--	--	100	--	<.5	--
		01-24-90	8	--	<.5	--	5	60	--	<.1	--	<10
		01-24-90	--	710	--	5	--	--	120	--	<.5	--
		02-07-90	37	--	<.5	--	5	88	--	.3	--	<10
		02-07-90	--	--	--	--	--	--	--	--	--	--
		03-21-90	<10	1,800	<1	4	--	20	150	.5	<.5	--
		04-25-90	<10	1,500	--	5	--	80	170	1	<.5	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Iron,		Lead, dissolved (µg/L as Pb) (01049)	Lead, total recoverable (µg/L as Pb) (01051)	Lithium,		Manga-nese,		Mercury,		Molybdenum, dissolved (µg/L as Mo) (01060)
			dissolved (µg/L as Fe) (01046)	total recoverable (µg/L as Fe) (01045)			dissolved (µg/L as Li) (01130)	dissolved (µg/L as Mn) (01056)	total recoverable (µg/L as Mn) (01055)	dissolved (µg/L as Hg) (71890)	total recoverable (µg/L as Hg) (71900)		
88	06892350	05-11-87	28	--	<10	--	25	5	--	0.1	--	<10	
		06-24-87	5	--	<5	--	25	1	--	.3	--	20	
		07-22-87	10	--	<.5	--	29	3	--	.2	--	10	
		08-19-87	<3	--	<.5	--	22	<1	--	.1	--	<10	
		09-21-87	15	--	<.5	--	14	3	--	<.1	--	<10	

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
74	06890900	12-13-89	<10	--	--	<1	--	250	<6	11	--
		12-13-89	--	40	--	--	1	--	--	--	60
		01-24-90	<10	--	--	<1	--	270	<6	5	--
		01-24-90	--	10	2	--	<1	--	--	--	110
		02-07-90	10	--	--	<1	--	260	<6	<3	--
		02-07-90	--	--	--	--	--	--	--	--	--
		03-21-90	--	<10	--	<1	<1	--	--	<10	<10
		04-25-90	<10	<10	<1	<1	<1	--	--	<10	30
		07-29-87	--	--	--	2	--	--	--	--	--
		08-19-87	--	110	--	1	5	--	--	<10	20
83	06891500	09-23-87	<10	--	--	--	--	--	--	--	--
		10-21-87	--	120	--	<1	10	--	--	<10	90
		11-24-87	<10	--	--	--	--	--	--	<10	--
		12-23-87	<10	--	--	<1	--	--	--	<10	--
		01-20-88	--	--	--	<1	--	--	--	<10	--
		02-17-88	--	10	--	<1	<1	--	--	<10	50
		03-16-88	--	--	--	<1	--	--	--	<10	--
		04-20-88	<10	<10	--	<1	<1	--	--	--	10
		05-18-88	--	--	--	<1	--	--	--	<10	--
		06-08-88	--	10	--	<1	<1	--	--	<10	20
		07-13-88	--	--	3	<1	--	--	--	<10	--
		08-10-88	<10	<10	--	<1	<1	--	--	<10	60
		08-31-88	<10	--	--	<1	--	--	--	<10	--
		10-05-88	<10	30	--	<1	<1	--	--	<10	180
		11-09-88	<10	--	--	1	--	250	<6	7	--
		11-09-88	--	--	--	--	--	--	--	--	--
		12-21-88	<10	<10	--	3	<1	--	--	<10	<10
		01-25-89	<10	--	<1	<1	--	160	<6	8	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recoverable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver, total recoverable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recoverable (µg/L as Zn) (01092)
83	06891500	01-25-89	--	80	--	--	<1	--	--	--	160
		02-15-89	<10	--	--	<1	--	260	<6	9	--
		02-15-89	--	--	2	--	--	--	--	--	--
		03-15-89	<10	--	--	<1	--	260	<6	4	--
		03-15-89	--	<10	--	--	1	--	--	--	<10
		04-19-89	<10	--	<1	2	--	250	<6	<3	--
		04-19-89	--	<10	<1	--	1	--	--	--	10
		05-17-89	<10	--	--	2	--	240	<6	11	--
		05-17-89	--	--	--	--	--	--	--	--	--
		06-14-89	<10	--	--	<1	--	240	<6	<3	--
		06-14-89	--	--	--	--	--	--	--	--	--
		07-12-89	<10	--	--	1	--	230	<6	5	--
		07-12-89	--	--	--	--	--	--	--	--	--
		08-16-89	<10	--	--	<1	--	230	<6	3	--
		08-16-89	--	<10	--	--	2	--	--	--	30
		09-13-89	<10	--	--	<1	--	240	<6	<3	--
		09-13-89	--	10	<1	--	<1	--	--	--	100
		10-11-89	<10	--	--	<1	--	260	<6	4	--
		10-11-89	--	30	--	--	<1	--	--	--	30
		11-15-89	<10	--	--	<1	--	330	<6	12	--
		11-15-89	--	70	<1	--	<1	--	--	--	20
		12-13-89	<10	--	--	1	--	300	<6	<3	--
		12-13-89	--	30	--	--	1	--	--	--	30
		01-24-90	<10	--	--	2	--	290	<6	4	--
		01-24-90	--	<10	2	--	<1	--	--	--	20
		02-07-90	<10	--	--	<1	--	320	<6	7	--
		02-07-90	--	--	--	--	--	--	--	--	--
		03-21-90	--	30	--	<1	<1	--	--	<10	<10
		04-25-90	--	<10	--	<1	<1	--	--	<10	10

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Nickel, dissolved (µg/L as Ni) (01065)	Nickel, total recov- erable (µg/L as Ni) (01067)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Silver total recov- erable (µg/L as Ag) (01077)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)	Zinc, total recov- erable (µg/L as Zn) (01092)
88	06892350	05-11-87	10	--	--	5	--	660	<6	<3	--
		06-24-87	<10	--	--	<1	--	540	6	9	--
		07-22-87	--	--	2	--	--	660	8	15	--
		08-19-87	<10	--	--	<1	--	730	10	<3	--
		09-21-87	<10	--	--	<1	--	540	8	6	--

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved (µg/L as Al) (01106)	Antimony, dissolved (µg/L as Sb) (01095)	Arsenic, dissolved (µg/L as As) (01000)	Barium, dissolved (µg/L as Ba) (01005)	Beryllium, dissolved (µg/L as Be) (01010)	Boron, dissolved (µg/L as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved (µg/L as Cd) (01025)
88	06892350	10-20-87	1000	<10	<1	3	150	<0.5	90	0.09	0.2
		11-23-87	0900	<10	--	3	160	<.5	110	--	<.1
		12-22-87	0915	20	--	2	110	<.5	50	--	.2
		01-19-88	1515	<10	<1	2	150	<.5	100	.11	.2
		02-17-88	0920	<10	--	2	120	<.5	70	--	.5
		03-15-88	1245	--	--	2	140	<.5	--	--	.2
		04-18-88	0945	--	<1	2	120	<.5	--	.06	.6
		05-16-88	0945	--	--	2	130	<.5	--	--	.1
		06-06-88	1200	--	--	2	110	<.5	--	--	.2
		07-01-88	1030	--	--	2	79	<.5	--	--	<.1
		07-07-88	1330	--	<1	3	110	<.5	--	.05	<.1
		08-08-88	0945	--	--	3	110	<.5	--	--	.2
		08-29-88	1045	--	--	5	120	<.5	--	--	<.2
		10-03-88	1020	--	<1	3	110	<.5	--	.10	.2
		11-08-88	1020	--	--	3	130	<.5	--	--	.5
		12-19-88	0950	--	--	3	130	<.5	--	--	<.1
		01-23-89	1140	--	<1	3	130	<.5	--	.08	.2
		02-21-89	1010	--	--	2	120	<.5	--	--	.3
		03-13-89	0925	--	--	3	120	<.5	--	--	.3
		04-18-89	1255	--	<1	3	120	<.5	--	<.01	<.1
		05-19-89	0920	--	--	3	100	<.5	--	--	<.1
		06-12-89	0930	--	--	3	110	<.5	--	--	<.1
		07-14-89	0855	--	--	3	110	<.5	--	--	1.0
		08-15-89	0915	--	--	5	140	<.5	--	--	.1
		09-07-89	1325	--	--	2	70	<.5	--	--	.5
		09-15-89	0915	--	--	4	98	<.5	--	--	.1
		10-05-89	0935	--	--	5	130	<.5	--	--	.1
		11-14-89	1035	--	--	3	150	<.5	--	--	.2

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, dissolved ($\mu\text{g/L}$ as Al) (01106)	Antimony, dissolved ($\mu\text{g/L}$ as Sb) (01095)	Arsenic, dissolved ($\mu\text{g/L}$ as As) (01000)	Barium, dissolved ($\mu\text{g/L}$ as Ba) (01005)	Beryllium, dissolved ($\mu\text{g/L}$ as Be) (01010)	Boron, dissolved ($\mu\text{g/L}$ as B) (01020)	Bromide, dissolved (mg/L as Br) (71870)	Cadmium, dissolved ($\mu\text{g/L}$ as Cd) (01025)
88	06892350	12-11-89	0930	--	--	3	110	<0.5	--	--	0.5
		01-12-90	0920	--	--	2	130	<.5	--	--	.2
		02-05-90	0930	--	--	2	130	<.5	--	--	.5
		03-15-90	1220	--	--	2	90	<.5	--	--	<.1
		04-23-90	1500	--	--	3	140	<.5	--	--	<.1

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
88	06892350	10-20-87	<.5	<.3	2	<.01	6	<.5	21	11
		11-23-87	<.5	<.3	1	--	4	<.5	30	57
		12-22-87	<.5	<.3	4	--	19	<.5	9	100
		01-19-88	.5	<.3	2	<.01	4	<.5	27	23
		02-17-88	<.5	<.3	2	--	10	<.5	23	19
		03-15-88	<.5	<.3	2	--	7	<.5	33	12
		04-18-88	<.5	<.3	6	<.01	5	.9	22	7
		05-16-88	<.5	<.3	2	--	8	<.5	32	2
		06-06-88	<.5	<.3	3	--	4	<.5	23	<.1
		07-01-88	<.5	<.3	3	--	21	<.5	9	18
		07-07-88	<.5	<.3	2	<.01	13	<.5	15	1
		08-08-88	.6	<.3	2	--	7	<.5	18	3
		08-29-88	<.5	<.3	2	--	5	<.5	32	3
		10-03-88	<.5	<.3	2	<.01	7	<.5	25	13
		11-08-88	<.5	<.3	3	--	10	.5	23	5
		12-19-88	<.5	<.3	1	--	9	<.5	27	54
		01-23-89	6	<.3	1	<.01	22	.9	30	45
		02-21-89	<.5	<.3	2	--	12	<.5	26	43
		03-13-89	<.5	<.3	1	--	6	<.5	27	24
		04-18-89	<.5	<.3	1	<.01	14	<.5	28	18
		05-19-89	<.5	<.3	1	--	9	<.5	24	2
		06-12-89	<.5	<.3	1	--	6	<.5	21	2
		07-14-89	<.5	<.3	3	--	210	.8	11	12
		08-15-89	<.5	<.3	2	--	4	<.5	20	<.1
		09-07-89	<.5	<.3	2	--	56	<.5	<.4	2
		09-15-89	<.5	<.3	2	--	19	<.5	10	<.1
		10-05-89	<.5	<.3	2	--	13	<.5	14	3

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Chromium, dissolved (µg/L as Cr) (01030)	Cobalt, dissolved (µg/L as Co) (01035)	Copper, dissolved (µg/L as Cu) (01040)	Cyanide, dissolved (mg/L as CN) (00723)	Iron, dissolved (µg/L as Fe) (01046)	Lead, dissolved (µg/L as Pb) (01049)	Lithium, dissolved (µg/L as Li) (01130)	Manganese, dissolved (µg/L as Mn) (01056)
88	06892350	11-14-89	<0.5	<3	2	--	8	<0.5	18	9
		12-11-89	<.5	<3	3	--	22	<.5	15	15
		01-12-90	<.5	<3	2	--	7	<.5	20	13
		02-05-90	<.5	<3	2	--	10	<.5	17	22
		03-15-90	<.5	<3	2	--	42	.8	6	63
		04-23-90	<.5	<3	.5	--	13	<.5	17	2

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molyb- denum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
88	06892350	10-20-87	--	<10	<10	2	<1	700	<6	4
		11-23-87	<0.1	<10	<10	--	<1	1,000	<6	<3
		12-22-87	.1	<10	<10	--	<1	480	<6	7
		01-19-88	.2	<10	<10	<1	<1	980	<6	<3
		02-17-88	.1	10	<10	--	<1	750	<6	19
		03-15-88	<.1	<10	<10	--	<1	870	<6	<3
		04-18-88	<.1	<10	<10	1	<1	780	<6	5
		05-16-88	.2	<10	<10	--	<1	950	<6	64
		06-06-88	.2	<10	<10	--	1	760	<6	<3
		07-01-88	.2	<10	<10	--	1	330	<6	17
		07-07-88	<.1	<10	10	<1	<1	470	<6	6
		08-08-88	.1	<10	<10	--	<1	530	<6	19
		08-29-88	<.1	<10	<10	--	<1	730	<6	9
		10-03-88	.5	<10	<10	<1	<1	700	<6	9
		11-08-88	.5	<10	<10	--	<1	630	<6	5
		12-19-88	<.1	<10	<10	--	<1	770	<6	5
		01-23-89	.2	<10	<10	1	<1	810	<6	9
		02-21-89	<.1	10	<10	--	2	750	<6	11
		03-13-89	<.1	<10	<10	--	<1	770	<6	5
		04-18-89	1.4	<10	<10	1	<1	720	<6	16
		05-19-89	.5	10	<10	--	1	630	<6	3
		06-12-89	<.1	<10	<10	--	<1	590	<6	5
		07-14-89	<.1	<10	<10	--	<1	370	9	15
		08-15-89	.1	<10	10	--	<1	470	9	7
		09-07-89	.2	<10	<10	--	<1	210	7	<3
		09-15-89	<.1	<10	<10	--	<1	300	7	7
		10-05-89	<.1	<10	<10	--	<1	440	<6	7
		11-14-89	<.1	<10	<10	--	<1	630	<6	11

Table 9. Concentrations of trace elements and cyanide in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Mercury, dissolved (µg/L as Hg) (71890)	Molyb- denum, dissolved (µg/L as Mo) (01060)	Nickel, dissolved (µg/L as Ni) (01065)	Selenium, dissolved (µg/L as Se) (01145)	Silver, dissolved (µg/L as Ag) (01075)	Strontium, dissolved (µg/L as Sr) (01080)	Vanadium, dissolved (µg/L as V) (01085)	Zinc, dissolved (µg/L as Zn) (01090)
88	06892350	12-11-89	<0.1	<10	<10	--	1	500	<6	17
		01-12-90	<.1	<10	<10	--	<1	690	<6	4
		02-05-90	<.1	<10	10	--	2	650	<6	8
		03-15-90	<.1	<10	<10	--	<1	270	<6	8
		04-23-90	<.1	<10	<10	--	<1	750	<6	4

Table 10. Concentrations of selected chemical elements in suspended sediment

[Number in parentheses is the U.S. Environmental Protection Agency identification code. µg/g, micrograms per gram; --, not determined; <, less than]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
1	06879100	07-21-87	0930	6.4	1	9	2	3	4.2	--
		08-18-87	1045	6.7	1	9	2	2	4.3	--
		09-21-87	1000	6.4	1	11	2	3	5.4	--
		10-20-87	1100	3.5	.4	4	<2	.8	2.9	--
		12-21-87	1100	3.4	1	7	<2	11	8.5	--
		01-22-88	1005	4.1	.9	7	<2	2	3.2	--
		02-16-88	1030	5.1	.8	7	<2	2	5.9	--
		03-14-88	1030	4.7	1	6	<2	2	7.0	73
		04-20-88	1120	3.0	4	7	<2	23	9.1	230
		05-17-88	1230	4.1	.9	9	<2	2	8.6	74
		06-09-88	1200	4.5	1	12	<2	5	9.4	47
		07-06-88	0855	7.7	1	12	2	4	5.0	67
		08-11-88	0940	5.5	1	12	2	5	5.4	49
		09-02-88	0920	5.0	1	17	<2	10	7.1	42
		10-07-88	1230	3.0	1	12	<2	17	4.2	45
		11-04-88	1315	3.2	.1	2	<2	.7	1.2	7
		12-16-88	0910	1.6	1	6	<2	4	31	22
		03-17-89	1000	2.9	.5	10	<2	3	9.7	28
		04-24-89	1035	1.5	.3	10	<2	1	23	14
		05-16-89	0815	4.7	.8	17	<2	2	7.6	47
		05-25-89	1100	8.6	2	12	3	2	2.6	77
		06-15-89	1005	8.0	1	12	2	1	3.3	68
		07-11-89	0830	8.9	2	13	3	1	2.6	80
		08-18-89	0835	7.4	1	15	2	1	3.6	79
		09-11-89	1045	8.6	2	11	3	.3	1.4	75
		10-02-89	1030	7.2	5	10	2	2	3.4	66
		11-17-89	0900	4.9	4	7	<2	4	5.3	61

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
1	06879100	12-19-89 03-23-90 04-27-90	1115 1040 1200	4.4 7.3 6.0	9 1 .7	8 9 8	<3 2 <2	10 4 1	5.3 2.8 4.2	57 85 58
23	06880800	06-16-87 07-15-87 08-11-87 09-09-87 11-03-87	1030 1100 1000 1030 1000	8.0 8.2 7.5 6.9 6.1	1 1 1 1 .8	14 15 11 13 12	3 3 2 2 2	1 1 1 17 3	1.3 1.5 1.5 2.5 2.8	-- -- -- -- --
		02-22-88 03-21-88 04-18-88 07-18-88 08-08-88	1100 1100 1020 1000 1115	7.2 6.7 6.7 7.1 7.0	.8 .8 .7 .8 .7	6 8 5 7 6	3 2 2 2 2	4 .7 1 .5 1	1.4 1.5 1.4 1.0 1.3	90 64 64 56 65
		08-31-88 10-12-88 06-21-89 06-27-89 06-28-89	1400 1230 1020 1030 1200	7.2 7.6 7.4 8.9 8.8	.8 .8 .8 1 1	8 9 11 16 15	2 3 2 3 3	1 .4 1 .8 .8	1.5 1.3 1.3 .85 .87	74 69 64 76 75
		06-29-89 06-30-89 08-22-89 09-05-89	1130 0915 1010 1030	8.7 8.6 7.9 8.7	1 1 1 1	13 14 12 14	3 3 3 3	.6 1 .8 .6	.90 .92 1.2 .84	74 77 80 74
35	06882000	06-16-87 06-19-87 07-14-87 08-10-87 09-08-87	1000 1100 1200 1130 1100	8.5 6.9 8.4 8.2 8.2	1 .9 1 1 1	15 12 15 14 13	3 2 3 3 3	3 .3 2 1 2	1.6 .82 1.6 1.7 2.0	-- -- -- -- --

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
35	06882000	11-02-87	1100	6.0	1	12	2	2	4.1	--
		04-20-88	1115	4.4	2	7	<2	.8	15	50
		05-24-88	1005	8.2	1	10	3	.8	1.5	76
		10-18-88	1000	8.0	1	11	3	26	1.4	83
		06-27-89	1245	8.8	1	15	3	.7	.98	79
		07-11-89	0930	9.1	1	17	3	1	.96	79
		08-16-89	0825	7.9	1	16	3	4	1.6	130
		09-06-89	1020	7.5	.9	12	2	.6	.74	62

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
1	06879100	07-21-87	10	19	2.8	25	0.95	680	--	--
		08-18-87	11	19	2.9	28	.92	800	--	--
		09-21-87	12	58	3.2	50	1.3	1,400	--	--
		10-20-87	3	17	.89	20	.48	480	--	--
		12-21-87	7	46	1.7	55	1.8	930	--	--
		01-22-88	6	15	1.4	38	.67	570	<0.1	--
		02-16-88	9	30	2.3	37	1.1	780	--	--
		03-14-88	9	34	2.2	28	1.5	870	5	28
		04-20-88	9	45	1.5	110	1.4	2,400	4	33
		05-17-88	8	21	1.9	15	1.3	1,900	3	24
		06-09-88	11	200	2.1	24	1.1	2,300	2	28
		07-06-88	13	33	3.7	30	1.3	1,600	2	41
		08-11-88	11	29	2.5	43	1.2	2,200	3	30
		09-02-88	11	30	2.4	52	1.8	2,600	6	25
		10-07-88	7	34	1.3	230	1.2	1,900	4	17
		11-04-88	2	<2	.33	21	.10	240	.4	<4
		12-16-88	9	32	1.0	26	.84	2,600	2	25
		03-17-89	11	62	1.5	65	1.6	3,000	4	38
		04-24-89	7	30	.82	32	.86	1,800	1	77
		05-16-89	12	56	2.4	53	1.3	3,000	3	36
		05-25-89	13	35	4.3	30	1.2	990	3	38
		06-15-89	12	32	3.8	25	1.2	930	2	34
		07-11-89	13	40	4.4	26	1.2	720	2	38
		08-18-89	13	49	3.6	45	1.2	1,500	3	39
		09-11-89	12	34	4.2	30	1.1	600	1	33
		10-02-89	12	54	3.6	160	1.2	890	11	36
		11-17-89	10	75	2.4	170	1.3	2,300	10	29

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
1	06879100	12-19-89	8	50	1.9	250	1.5	640	17	20
		03-23-90	12	54	3.5	46	1.0	1,500	1	38
		04-27-90	11	51	2.7	65	.86	1,500	1	45
23	06880800	06-16-87	14	100	4.1	63	1.2	730	--	--
		07-15-87	14	34	4.3	31	1.2	860	--	--
		08-11-87	14	44	3.7	50	1.1	1,200	--	--
		09-09-87	16	74	3.6	49	1.2	3,000	--	--
		11-03-87	19	22	3.1	27	1.1	4,900	--	--
		02-22-88	14	32	3.8	28	1.2	1,700	.8	40
		03-21-88	14	50	3.3	30	.94	1,700	.9	38
		04-18-88	14	27	3.3	26	1.3	2,500	.7	480
		07-18-88	11	26	3.1	25	.89	770	.7	26
		08-08-88	13	37	3.5	26	1.1	1,500	.7	46
		08-31-88	16	58	3.7	150	1.1	2,100	.8	54
		10-12-88	14	29	4.2	29	1.2	1,500	.8	42
		06-21-89	15	35	3.6	29	1.0	1,500	.9	33
		06-27-89	12	37	4.5	33	1.2	520	1	34
		06-28-89	13	33	4.4	31	1.2	600	1	33
		06-29-89	13	32	4.4	32	1.2	580	1	33
		06-30-89	13	49	4.3	57	1.2	640	1	37
		08-22-89	15	51	4.0	35	1.1	1,200	1	67
		09-05-89	13	31	4.3	30	1.2	560	1	32
35	06882000	06-16-87	11	63	4.5	28	1.4	620	--	--
		06-19-87	10	20	3.2	19	.76	610	--	--
		07-14-87	12	47	4.4	31	1.3	840	--	--
		08-10-87	14	37	4.4	29	1.3	1,200	--	--
		09-08-87	14	45	4.5	37	1.4	1,600	--	--

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
35	06882000	11-02-87	17	88	3.1	50	1.6	3,600	--	--
		04-20-88	11	50	2.0	44	.86	2,000	1	30
		05-24-88	13	90	4.2	42	1.3	1,700	.9	48
		10-18-88	16	41	4.3	42	1.2	2,600	1	61
		06-27-89	14	38	4.6	36	1.1	950	1	40
		07-11-89	14	47	4.8	39	1.3	890	1	36
		08-16-89	20	140	4.3	53	1.2	5,500	2	150
		09-06-89	11	26	3.3	24	.75	420	1	27

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
1	06879100	07-21-87	0.07	1.9	<0.1	1.3	1.0	0.30	120	--
		08-18-87	.07	2.3	<.1	1.1	.9	.28	110	--
		09-21-87	.10	1.8	.7	3.0	1.0	.28	120	--
		10-20-87	.04	1.4	<.1	3.2	.3	.12	28	--
		12-21-87	.07	1.4	<.1	9.0	.6	.15	60	--
		01-22-88	.06	1.9	<.1	2.3	.5	.14	46	--
		02-16-88	.08	1.9	<.1	3.0	.7	.25	91	--
		03-14-88	.09	1.8	.3	5.9	.7	.21	91	110
		04-20-88	.11	1.6	.2	8.1	.4	.15	60	370
		05-17-88	.15	1.7	.1	5.6	.5	.19	81	99
		06-09-88	.18	1.4	.4	3.2	.5	.21	92	130
		07-06-88	.09	1.9	.2	1.4	.8	.32	140	140
		08-11-88	.11	1.7	.2	4.1	.6	.25	98	110
		09-02-88	.11	1.8	.2	6.4	.7	.22	98	110
		10-07-88	.07	1.9	<.1	6.0	.5	.11	45	98
		11-04-88	.02	2.7	<.1	1.2	.6	.02	9	10
		12-16-88	.10	.41	.4	.54	<.1	.08	26	120
		03-17-89	.16	1.3	.4	7.9	.3	.13	58	220
		04-24-89	.15	.60	.3	2.2	.2	.07	36	190
		05-16-89	.12	1.7	.5	5.2	.5	.20	91	240
		05-25-89	.09	2.0	1	.42	.2	.38	150	180
		06-15-89	.09	2.0	.5	.55	.8	.34	140	170
		07-11-89	.08	2.2	.7	.34	1.0	.38	170	190
		08-18-89	.09	2.0	.3	1.9	.4	.32	140	200
		09-11-89	.08	2.1	.3	.42	<.1	.37	150	160
		10-02-89	.09	1.9	.6	1.4	3.7	.31	130	140
		11-17-89	.10	1.6	.5	5.2	1.8	.20	83	170
		12-19-89	.07	2.0	.7	4.4	1.6	.17	63	150

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
1	06879100	03-23-90 04-27-90	0.13 .15	1.8 1.6	0.1 <.1	0.42 .48	0.7 .7	0.31 .26	120 100	160 110
23	06880800	06-16-87 07-15-87 08-11-87 09-09-87 11-03-87	.09 .10 .09 .12 .15	2.1 2.1 2.1 2.0 2.1	<.1 .1 .1 <.1 <.1	.58 .68 .79 1.1 1.6	.9 .9 .9 .9 .6	.35 .35 .33 .31 .29	120 130 110 110 93	-- -- -- -- --
		02-22-88 03-21-88 04-18-88 07-18-88 08-08-88	.08 .10 .09 .08 .08	2.0 2.0 2.0 2.1 2.0	.2 .2 .2 .2 .2	.66 .84 .78 .77 .63	.8 .7 .7 .7 .7	.32 .31 .32 .29 .32	110 100 95 99 100	120 130 110 97 120
		08-31-88 10-12-88 06-21-89 06-27-89 06-28-89	.09 .09 .11 .10 .10	2.0 1.9 2.1 2.2 2.2	.2 .2 .6 .4 .5	.65 .39 .69 .33 .37	.8 .8 .8 .9 .9	.33 .32 .32 .36 .36	110 120 110 140 140	160 120 170 200 190
		06-29-89 06-30-89 08-22-89 09-05-89	.11 .11 .10 .10	2.2 2.2 2.1 2.2	.5 .6 .6 .6	.36 .40 .58 .39	.9 .8 .9 .9	.36 .37 .33 .36	140 140 120 140	200 230 200 180
35	06882000	06-16-87 06-19-87 07-14-87 08-10-87 09-08-87	.09 .07 .09 .10 .09	2.1 1.9 2.1 2.1 2.0	<.1 <.1 .1 <.1 .4	.79 .71 .76 .97 .85	.8 .7 .8 .8 .8	.34 .35 .34 .35 .33	140 110 140 140 130	-- -- -- -- --
		11-02-87 04-20-88	.13 .18	1.8 1.3	<.1 .2	2.5 .84	.6 .5	.27 .20	94 71	-- 87

Table 10. *Concentrations of selected chemical elements in suspended sediment--Continued*

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver ($\mu\text{g/g}$) (29850)	Sodium (percent) (30304)	Thallium ($\mu\text{g/g}$)	Titanium (percent) (30317)	Vanadium ($\mu\text{g/g}$) (29853)	Zinc ($\mu\text{g/g}$) (29855)
35	06882000	05-24-88	0.08	1.9	0.2	0.47	0.9	0.35	130	130
		10-18-88	.11	2.0	.1	.54	.8	.32	130	160
		06-27-89	.11	2.1	.5	.33	.9	.36	150	200
		07-11-89	.12	2.2	.6	.24	.9	.37	150	240
		08-16-89	.16	2.0	.6	.71	.7	.32	130	400
		09-06-89	.07	1.9	.5	.59	.7	.36	110	120

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
47	06884025	06-23-87	1030	8.2	1	12	3	2	1.0	--
		06-30-87	1700	6.2	.6	7	2	.4	.83	--
		07-01-87	0730	6.5	2	18	<2	4	3.2	--
		07-21-87	1100	6.4	.7	8	2	.6	1.0	--
		08-18-87	1120	6.7	1	8	2	1	.89	--
		09-15-87	1030	8.3	1	13	3	.7	1.0	--
		03-02-88	1315	5.5	.5	5	<2	.5	2.4	42
		04-26-88	1015	5.5	.8	5	2	3	7.2	47
		05-31-88	1045	5.5	.7	5	<2	3	6.8	47
		07-27-88	0920	7.6	2	18	3	2	1.5	74
		08-09-88	1135	6.4	.5	5	<2	2	1.6	110
		08-30-88	1100	2.9	<.1	4	<2	.2	.36	7
		10-18-88	1300	7.8	.9	5	2	.7	1.5	65
		12-06-88	1300	5.5	.5	6	<2	.8	1.7	48
50	06885500	06-22-89	1240	7.8	.9	13	2	2	1.4	66
		06-26-89	1130	8.6	1	14	3	.8	.88	72
		08-15-89	1800	6.9	.9	17	2	4	1.4	68
		09-06-89	1130	8.3	1	12	3	1	.93	70
		03-21-90	1230	6.9	.7	6	2	2	.91	82
		07-20-87	1330	6.6	2	14	2	2	3.4	--
		08-18-87	1100	7.5	1	15	2	14	2.0	--
		09-15-87	1445	8.8	1	14	3	1	1.1	--
		09-16-87	1120	8.9	5	14	3	.7	1.0	--
		09-22-87	1030	8.1	1	19	2	2	1.9	--
		12-22-87	1030	7.9	1	18	2	2	2.4	80
		01-19-88	1100	6.3	.5	6	2	2	6.8	--
		02-16-88	1045	7.6	.9	13	2	1	1.6	--
		04-18-88	1115	6.6	1	16	<2	4	2.8	110
		05-16-88	1045	6.6	1	17	<2	2	2.2	130

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
50	06885500	06-09-88	1010	7.3	1	14	2	0.9	2.2	74
		06-30-88	1130	6.8	.8	9	2	.4	1.2	62
		06-30-88	1330	7.3	.9	10	2	.3	1.3	67
		07-05-88	1100	7.8	1	13	2	3	2.0	78
		08-12-88	1315	7.6	1	22	2	10	2.3	79
		10-06-88	1110	7.7	1	18	2	13	3.4	79
		11-03-88	1100	6.9	1	19	2	5	2.3	69
		12-15-88	1135	--	.5	7	--	24	--	--
		04-25-89	0915	3.6	.5	20	<2	2	15	32
		05-15-89	1120	7.7	1	15	2	6	2.2	80
		06-16-89	1330	8.6	1	16	3	1	2.1	81
		06-27-89	1245	8.8	1	13	3	.5	1.0	88
		08-17-89	1040	7.6	.9	15	2	1	2.1	72
		09-18-89	1100	8.0	.8	13	2	1	1.9	81
		10-04-89	1150	6.9	5	17	2	19	3.9	70
52	06887000	03-22-90	1100	7.1	.8	12	2	2	1.4	76
		04-26-90	1700	7.6	.9	19	2	1	1.4	82
		07-20-87	1630	7.3	1	16	2	2	2.5	71
		03-14-88	1315	3.7	2	7	<2	5	8.4	110
		06-07-88	1400	5.7	2	12	<2	8	6.6	68
		09-01-88	1530	4.2	1	27	<5	14	8.5	41
		10-07-88	0830	6.8	1	13	2	8	4.2	81
		04-24-89	1425	1.6	.2	7	<2	7	24	15
		09-12-89	1055	8.1	12	13	3	2	1.4	85
		10-03-89	1415	9.4	5	13	3	4	1.4	89
		11-16-89	1415	8.9	5	14	3	3	1.6	90
		12-15-89	0845	7.7	4	14	2	2	3.0	73
		04-26-90	1200	7.1	.8	11	2	3	1.4	90

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
59	06888500	08-18-87	0940	7.8	1	15	3	3	4.7	84
		09-22-87	1300	5.9	.9	8	2	3	8.9	74
		12-22-87	1330	6.0	.9	9	2	3	9.1	81
		06-08-88	1000	6.9	.8	10	2	1	6.6	79
		08-09-88	0955	6.4	.9	16	<3	340	6.9	76

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
47	06884025	06-23-87	12	26	4.1	23	1.0	630	--	--
		06-30-87	9	12	2.5	11	.63	550	--	--
		07-01-87	14	26	3.0	91	1.0	3,200	--	--
		07-21-87	11	17	2.8	12	.73	920	--	--
		08-18-87	10	20	2.9	22	.64	360	--	--
		09-15-87	12	51	4.3	19	1.0	650	--	--
		03-02-88	10	18	2.3	20	.70	840	0.7	24
		04-26-88	10	59	2.4	35	.81	1,300	.8	32
		05-31-88	10	64	2.4	37	.80	1,300	.9	27
		07-27-88	17	40	4.0	47	1.1	2800	2	79
		08-09-88	16	39	2.9	26	.80	3,300	.6	37
		08-30-88	4	3	.75	12	.06	260	.1	7
		10-18-88	19	53	3.8	22	1.3	2,400	.6	59
		12-06-88	12	41	2.4	30	.75	1,200	.9	54
50	06885500	06-22-89	14	32	3.6	32	.87	1,600	.9	28
		06-26-89	13	29	4.1	29	1.1	560	1	30
		08-15-89	14	35	3.2	35	.92	1,700	1	38
		09-06-89	14	29	4.0	27	1.0	880	.9	34
		03-21-90	11	86	3.1	44	.70	920	1	50
		07-20-87	16	26	3.3	100	1.3	2,900	--	--
		08-18-87	15	31	4.0	54	1.0	1,500	--	--
		09-15-87	13	34	4.6	24	1.0	770	--	--
		09-16-87	12	60	4.5	62	.96	670	--	--
		09-22-87	16	53	4.3	37	1.1	2,100	--	--
		12-22-87	16	31	4.3	32	1.3	2,600	1	45
		01-19-88	21	60	3.5	13	1.5	7,100	--	--
		02-16-88	17	25	4.0	190	.99	2,300	--	--
		04-18-88	18	29	3.5	55	1.3	5,100	2	46
		05-16-88	16	25	3.3	25	1.1	5,100	2	38

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
50	06885500	06-09-88	17	28	3.7	30	1.1	3,600	1	34
		06-30-88	11	21	3.0	23	.77	1,100	.7	25
		06-30-88	12	24	3.4	22	.87	1,100	.7	28
		07-05-88	17	36	4.0	40	1.2	3,400	1	49
		08-12-88	19	44	3.9	64	1.1	7,300	2	42
		10-06-88	20	36	4.3	89	1.6	5,700	3	43
		11-03-88	16	30	3.5	41	1.1	3,400	2	34
		12-15-88	--	--	--	44	--	--	.9	--
		04-25-89	11	36	1.7	35	.77	5,000	.9	73
		05-15-89	19	54	3.9	50	1.1	7,500	1	48
		06-16-89	16	41	4.4	44	1.2	3,400	2	42
		06-27-89	14	33	4.4	27	.98	1,100	1	37
		08-17-89	19	54	3.8	45	1.1	6,300	2	49
		09-18-89	17	47	4.2	43	1.1	2,800	.9	47
		10-04-89	19	76	3.8	240	1.5	5,400	11	54
52	06887000	03-22-90	19	61	3.5	43	.79	7,300	.8	35
		04-26-90	22	81	3.8	62	.88	9,400	.9	47
		07-20-87	12	32	3.6	47	1.3	1,400	1	35
		03-14-88	11	32	1.9	29	1.9	1,700	3	32
		06-07-88	15	140	2.9	62	2.1	9,300	3	35
		09-01-88	23	71	2.4	330	3.2	33,000	7	52
		10-07-88	14	29	3.4	38	1.9	2,000	3	32
		04-24-89	5	42	.78	33	.93	1,100	.5	57
		09-12-89	11	60	4.2	180	1.2	510	.9	34
		10-03-89	13	47	5.0	110	1.3	670	5	40
		11-16-89	13	75	4.6	150	1.3	810	5	37
		12-15-89	12	84	4.0	190	1.5	2,400	7	38
		04-26-90	16	150	3.8	190	.98	6,000	.9	72

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt (µg/g) (35031)	Copper (µg/g) (29832)	Iron (percent) (30269)	Lead (µg/g) (29836)	Magnesium (percent) (30277)	Manganese (µg/g) (29839)	Molybdenum (µg/g) (29843)	Nickel (µg/g) (29845)
59	06888500	08-18-87	16	40	4.0	40	1.8	1,300	1	42
		09-22-87	14	35	3.0	55	2.1	1,400	1	45
		12-22-87	14	34	3.1	38	2.3	1,700	1	32
		06-08-88	16	33	3.5	31	2.2	2,200	1	41
		08-09-88	17	43	3.4	42	2.7	5,300	2	44

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver ($\mu\text{g/g}$) (29850)	Sodium (percent) (30304)	Thallium ($\mu\text{g/g}$)	Titanium (percent) (30317)	Vanadium ($\mu\text{g/g}$) (29853)	Zinc ($\mu\text{g/g}$) (29855)
47	06884025	06-23-87	0.07	2.0	0.1	0.51	0.6	0.37	130	--
		06-30-87	.06	2.0	<.1	.84	.4	.30	81	--
		07-01-87	.09	1.9	.1	.99	1.4	.31	95	--
		07-21-87	.07	1.9	<.1	.83	.4	.32	88	--
		08-18-87	.07	1.9	.3	.75	.5	.33	92	--
		09-15-87	.08	1.9	<.1	.46	.6	.37	130	--
		03-02-88	.06	1.8	.2	.88	.5	.25	66	77
		04-26-88	.09	1.7	.2	.98	.6	.26	71	130
		05-31-88	.09	1.7	.2	.92	.6	.27	72	140
		07-27-88	.12	1.9	.3	.62	1.1	.32	130	150
		08-09-88	.08	1.9	.1	1.0	.5	.29	82	120
		08-30-88	.02	1.8	.1	.96	.3	.04	10	13
		10-18-88	.08	2.8	.2	.98	.6	.29	100	170
		12-06-88	.07	1.9	.3	1.1	.5	.27	71	190
		06-22-89	.09	1.9	.6	.61	.7	.34	110	190
50	06885500	06-26-89	.10	2.2	.5	.47	.9	.36	140	170
		08-15-89	.11	2.0	.6	.89	.8	.31	100	210
		09-06-89	.10	2.1	.5	.53	.9	.35	130	160
		03-21-90	.08	1.8	.4	.62	.5	.28	88	230
		07-20-87	.09	1.7	<.1	1.3	.7	.32	110	--
		08-18-87	.11	1.8	<.1	.60	.5	.36	130	--
		09-15-87	.09	1.7	<.1	.32	.8	.39	160	--
		09-16-87	.09	1.7	1	.37	.8	.40	150	--
		09-22-87	.09	1.6	.4	.55	.6	.36	140	--
		12-22-87	.10	1.5	.2	.83	.9	.34	130	140
		01-19-88	.13	1.8	<.1	1.2	.1	.29	98	--
		02-16-88	.12	1.8	<.1	.58	.5	.36	130	--
		04-18-88	.10	1.7	.2	1.3	.8	.31	110	150
		05-16-88	.11	1.8	.2	1.0	.8	.33	110	110

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
50	06885500	06-09-88	0.12	1.7	0.1	0.77	0.8	0.35	120	110
		06-30-88	.07	1.8	.2	.70	.7	.34	99	82
		06-30-88	.08	2.0	.1	.76	.7	.39	110	86
		07-05-88	.09	1.8	.2	.73	.8	.37	130	150
		08-12-88	.13	1.7	.2	.80	.7	.32	130	180
		10-06-88	.13	1.8	.2	1.4	.9	.35	130	210
		11-03-88	.11	1.8	.2	1.1	.8	.34	110	130
		12-15-88	--	--	.1	--	.1	--	--	--
		04-25-89	.13	.97	.3	.42	.3	.16	62	140
		05-15-89	.10	1.8	.5	.75	.9	.37	120	250
		06-16-89	.11	1.8	.5	.57	.9	.36	150	210
		06-27-89	.08	1.8	.6	.39	.5	.41	150	160
		08-17-89	.11	1.9	.3	.70	1.0	.36	130	210
52	06887000	09-18-89	.10	1.8	.3	.56	.2	.36	130	190
		10-04-89	.13	1.7	.6	1.4	2.7	.30	120	190
		03-22-90	.11	1.7	<.1	.54	.7	.33	110	150
		04-26-90	.14	1.7	<.1	.46	.7	.35	130	140
		07-20-87	.09	2.0	.3	.99	.8	.32	110	150
		03-14-88	.17	1.8	.7	2.6	.3	.18	60	180
		06-07-88	.09	1.9	.2	2.8	.5	.29	91	310
		09-01-88	.11	1.7	.2	3.4	.5	.20	83	180
		10-07-88	.09	2.2	.2	2.0	.7	.30	110	120
		04-24-89	.08	.57	.2	.46	.2	.07	28	220
		09-12-89	.08	2.0	.3	.46	<.1	.35	130	190
		10-03-89	.10	2.0	2	.26	2.6	.37	160	170
		11-16-89	.09	2.1	3	.39	2.6	.35	140	200
		12-15-89	.10	2.2	.2	1.0	2.2	.28	120	170
		04-26-90	.22	1.8	<.1	.31	.6	.30	120	240

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
59	06888500	08-18-87	0.09	2.4	0.3	0.38	0.9	0.36	110	160
		09-22-87	.10	1.8	.8	.73	.6	.26	84	130
		12-22-87	.09	1.8	.3	.94	.6	.27	84	140
		06-08-88	.10	2.0	.2	.75	.6	.31	99	140
		08-09-88	.11	2.0	<.1	1.1	.6	.29	94	180

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
59	06888500	08-30-88	1005	6.3	1	15	2	41	7.4	68
		10-04-88	1020	5.1	.8	18	<2	6	5.9	61
		03-14-89	1300	2.0	.4	3	<2	1	23	67
		04-20-89	1220	1.3		6	<2	3	30	14
		07-13-89	0935	9.0	.8	15	3	3	2.3	95
		09-05-89	1315	8.6	.7	10	3	<.1	1.9	110
		09-14-89	0940	6.2	.6	7	<2	2	9.7	70
		10-06-89	0935	1.5	1	3	<2	40	27	15
		03-14-90	1005	7.9	.7	9	3	.7	4.2	92
		04-24-90	1400	5.4	.7	7	2	16	11	65
		07-22-87	1020	6.9	1	11	2	4	4.1	60
		08-18-87	1230	7.1	1	11	2	2	4.0	63
		10-20-87	1330	4.7	.9	6	<2	2	6.8	44
		11-23-87	1200	2.5	.5	6	<2	2	13	33
		12-22-87	1330	6.4	1	9	2	3	6.2	66
62	06889000	01-19-88	1000	5.9	.9	7	<2	1	6.3	62
		02-17-88	1010	5.1	.6	5	<2	.7	2.7	31
		03-15-88	1105	3.2	.5	4	<2	1	7.9	25
		04-18-88	1340	3.1	.8	7	<2	3	12	51
		05-17-88	0945	3.4	.8	11	<2	4	12	55
		06-07-88	1200	4.2	.9	9	<2	5	12	45
		07-07-88	0930	5.1	.7	9	<2	2	6.9	49
		08-09-88	1335	4.5	.6	10	<2	10	13	44
		08-30-88	1340	3.5	.8	11	<2	9	12	30
		10-04-88	1450	3.4	.8	24	<2	5	13	36
		11-07-88	1030	5.2	2	28	<2	10	9.2	58
		12-20-88	1315	.86	.6	10	<2	5	24	30

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
62	06889000	04-20-89	0840	1.6	0.6	9	<2	1	21	14
		05-18-89	0905	4.1	.7	15	<2	6	11	46
		06-13-89	0900	4.7	9	17	<2	2	7.7	40
		07-13-89	1225	8.7	1	11	3	.9	2.5	89
		08-14-89	0940	7.8	1	13	3	2	2.8	66
		09-14-89	1300	6.9	1	7	2	1	2.1	62
		10-06-89	1300	8.5	4	13	3	7	3.3	79
		11-20-89	0905	7.8	4	11	3	2	2.8	74
		12-12-89	0925	7.0	5	12	2	9	4.3	160
		04-30-90	1200	5.6	.8	6	<2	.7	8.9	57
		07-29-87	1045	6.4	1	13	2	29	3.6	71
		08-19-87	0925	7.3	1	12	2	2	2.2	87
		09-23-87	1010	5.8	.8	8	<2	.6	1.9	57
		11-24-87	0930	5.0	.7	10	<2	1	1.5	63
72	06890100	01-20-88	1045	7.7	1	12	2	1	1.7	82
		02-17-88	0930	4.4	1	14	<2	.7	1.0	42
		05-18-88	0950	6.6	1	13	<2	1	4.1	110
		06-08-88	0945	6.8	1	11	2	6	4.5	100
		07-13-88	0915	7.2	1	11	2	3	3.2	80
		08-10-88	1000	6.5	1	24	2	53	3.5	80
		08-31-88	1025	6.7	1	20	2	26	3.9	90
		10-05-88	1000	5.8	1	19	<3	39	6.6	61
		12-21-88	1010	2.8	140	2	<2	1	16	33
		04-19-89	0920	1.5	.2	9	<2	.6	28	14
		05-17-89	1315	3.9	.9	15	<2	2	13	38
		05-22-89	1450	6.5	1	15	2	2	3.0	100
		06-14-89	0915	7.2	1	13	2	3	2.5	71
		07-12-89	0945	7.8	2	18	2	61	2.8	82
		08-16-89	0935	7.9	1	13	3	8	2.5	86
		09-06-89	1115	7.6	1	11	2	<1	96	73

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
72	06890100	09-10-89	1155	8.9	1	13	3	1	1.3	93
		10-11-89	0925	6.8	4	14	<2	10	3.2	72
		12-13-89	1000	.70	2	5	<3	6	29	91
		03-21-90	1030	8.5	1	11	3	2	1.2	97
		04-18-90	1100	7.3	1	13	2	7	2.2	90

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
59	06888500	08-30-88	16	48	3.4	87	2.9	3,900	2	43
		10-04-88	13	27	2.6	91	3.0	3,000	3	28
		03-14-89	6	36	.88	30	1.5	940	1	13
		04-20-89	7	34	.71	39	.98	2,200	.4	37
		07-13-89	15	48	4.6	32	1.7	760	1	48
		09-05-89	15	36	4.2	27	1.4	860	.6	41
		09-14-89	16	54	3.0	43	1.5	2,000	.7	35
		10-06-89	7	36	.80	88	1.5	1,700	3	15
		03-14-90	15	32	3.7	25	1.4	790	.9	38
		04-24-90	16	270	2.6	160	1.0	2,600	.7	51
62	06889000	07-22-87	12	32	3.3	26	1.1	800	2	30
		08-18-87	13	33	3.4	30	1.1	960	2	30
		10-20-87	9	22	2.2	27	1.4	1,200	2	22
		11-23-87	8	15	1.2	23	1.7	1,300	3	63
		12-22-87	12	39	3.2	35	1.5	890	2	53
		01-19-88	10	25	2.7	27	1.1	770	1	30
		02-17-88	6	14	1.6	21	.58	430	.7	15
		03-15-88	4	21	.73	21	.64	380	1	10
		04-18-88	9	26	1.6	22	1.9	2,100	4	24
		05-17-88	8	29	1.6	20	1.2	2,300	3	20
		06-07-88	9	47	1.8	23	1.0	1,800	1	23
		07-07-88	12	37	2.3	27	1.3	1,700	2	29
		08-09-88	9	23	1.9	17	1.0	1,600	1	24
		08-30-88	10	28	1.6	29	1.4	3,300	4	20
		10-04-88	12	35	1.7	42	1.5	4,500	4	22
		11-07-88	13	49	2.5	83	1.4	2,100	6	26
		12-20-88	7	150	.62	35	1.4	1,700	2	25

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
62	06889000	04-20-89	6	23	0.77	23	1.0	1,600	1	21
		05-18-89	11	54	2.0	48	1.1	3,600	2	31
		06-13-89	12	66	2.2	35	1.1	3,300	3	29
		07-13-89	15	34	4.3	23	1.4	820	1	38
		08-14-89	12	33	3.7	28	1.1	760	1	34
		09-14-89	10	30	3.0	30	.91	580	.8	24
		10-06-89	13	44	4.4	120	1.3	1,100	6	44
		11-20-89	13	45	4.1	110	1.3	1,200	6	36
		12-12-89	13	79	3.8	230	1.5	2,200	9	44
		04-30-90	12	120	2.7	36	.85	2,500	.5	32
		07-29-87	16	48	3.4	40	1.7	2,600	3	54
		08-19-87	15	29	3.8	30	1.1	2,300	2	35
		09-23-87	12	21	2.6	20	.75	1,100	.9	33
		11-24-87	12	71	2.7	23	.67	1,100	1	29
72	06890100	01-20-88	13	43	4.0	31	1.1	860	1	35
		02-17-88	46	18	2.5	52	.47	4,100	1	51
		05-18-88	19	30	3.5	25	1.6	3,900	3	52
		06-08-88	16	57	3.6	48	1.7	3,400	3	42
		07-13-88	19	44	3.8	30	1.5	4,100	3	54
		08-10-88	27	76	4.6	100	1.4	8,800	6	89
		08-31-88	29	45	4.0	120	2.0	14,000	9	61
		10-05-88	33	36	3.4	46	2.5	25,000	11	62
		12-21-88	8	29	1.5	19	1.5	2,000	1	24
		04-19-89	10	29	.87	29	.83	6,300	1	26
		05-17-89	23	56	2.3	47	1.2	16,000	5	56
		05-22-89	18	41	3.2	35	.93	4,700	3	45
		06-14-89	21	49	3.7	37	1.1	4,600	3	45
		07-12-89	21	94	4.2	52	1.3	8,900	6	63

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
72	06890100	08-16-89	27	91	4.5	61	1.3	15,000	5	90
		09-06-89	13	27	3.6	28	.81	830	.4	30
		09-10-89	18	64	4.8	33	1.1	1,600	1	43
		10-11-89	25	70	3.8	180	1.3	15,000	13	64
		12-13-89	10	53	.58	210	1.5	7,200	8	21
		03-21-90	21	110	4.5	71	1.0	4,300	1	57
		04-18-90	25	230	3.9	160	.85	7,200	1	82

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
59	06888500	08-30-88	0.10	2.0	<0.1	1.3	0.6	0.27	96	130
		10-04-88	.08	1.8	.1	1.8	.6	.20	72	100
		03-14-89	.04	1.1	.1	1.2	.2	.07	21	74
		04-20-89	.05	.50	.2	.28	.1	.06	22	160
		07-13-89	.09	2.7	.3	.26	1.0	.38	130	190
		09-05-89	.09	2.4	.1	.33	<.1	.38	130	180
		09-14-89	.09	1.9	<.1	.49	<.1	.28	86	210
		10-06-89	.06	.59	31	.69	.4	.06	24	56
		03-14-90	.07	2.2	<.1	.38	.8	.35	110	100
		04-24-90	.09	1.7	.2	.38	.5	.25	73	250
62	06889000	07-22-87	.08	1.9	.2	1.1	.9	.32	130	170
		08-18-87	.08	2.0	.2	.89	1.0	.33	120	120
		10-20-87	.13	1.8	2	4.7	.5	.22	76	130
		11-23-87	.07	1.3	.1	7.4	.3	.11	36	190
		12-22-87	.08	1.9	.2	2.0	.6	.29	93	150
		01-19-88	.08	1.9	.2	2.1	.6	.27	81	110
		02-17-88	.06	2.4	.1	1.5	.6	.16	48	57
		03-15-88	.07	2.2	.2	2.4	.4	.08	25	45
		04-18-88	.10	1.3	<.1	6.3	.3	.14	53	110
		05-17-88	.15	1.4	.2	3.3	.4	.17	59	70
		06-07-88	.13	1.4	.2	2.2	.4	.20	69	110
		07-07-88	.09	1.7	.1	4.4	.5	.25	75	110
		08-09-88	.09	1.5	.2	1.6	.4	.22	68	92
		08-30-88	.11	1.4	.2	5.4	.4	.16	61	86
		10-04-88	.12	1.4	.1	5.3	.4	.16	62	95
		11-07-88	.10	1.8	.5	2.6	1.4	.23	84	130
		12-20-88	.11	.60	.2	8.8	.3	.04	17	160

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
62	06889000	04-20-89	0.14	0.78	0.2	2.5	0.2	0.08	28	110
		05-18-89	.13	1.5	.7	2.8	.4	.19	66	850
		06-13-89	.19	1.7	.5	2.6	.4	.20	83	190
		07-13-89	.08	2.4	.4	.36	1.0	.40	140	140
		08-14-89	.07	2.1	.4	.55	1.2	.31	130	180
		09-14-89	.07	2.0	.2	.71	<.1	.31	100	120
		10-06-89	.10	1.9	.4	.58	2.9	.34	140	170
		11-20-89	.10	1.9	.4	.80	2.3	.32	120	140
		12-12-89	.11	1.8	2	2.4	2.5	.28	110	210
		04-30-90	.16	1.5	<.1	.36	.3	.24	84	120
72	06890100	07-29-87	.12	1.7	.1	1.6	.7	.32	100	240
		08-19-87	.11	1.8	1	.75	.8	.36	110	110
		09-23-87	.07	1.7	.2	.89	.7	.32	85	69
		11-24-87	.06	1.5	.1	.68	.5	.21	79	140
		01-20-88	.09	1.8	.2	.57	.8	.35	120	150
		02-17-88	.08	1.5	.1	.56	.5	.19	76	74
		05-18-88	.12	2.0	.1	1.4	.8	.32	110	140
		06-08-88	.13	1.7	.2	1.5	.7	.33	110	200
		07-13-88	.10	1.9	.1	1.2	.7	.35	120	160
		08-10-88	.13	1.7	<.1	1.3	.7	.30	120	200
		08-31-88	.13	1.7	.2	1.9	.8	.31	130	160
		10-05-88	.13	1.6	<.1	2.5	.7	.24	110	150
		12-21-88	.09	1.2	<.1	5.5	<.1	.13	45	290
		04-19-89	.11	.41	.1	.37	.2	.07	33	140
		05-17-89	.13	1.2	.2	1.8	.4	.17	73	190
		05-22-89	.12	1.7	.5	.84	<.1	.34	110	150
		06-14-89	.15	1.8	.6	.91	.7	.34	120	190
		07-12-89	.12	2.0	.5	.81	1.1	.37	140	250
		08-16-89	.13	1.8	.5	.67	.8	.34	140	360
		09-06-89	.08	1.9	.2	.61	<.1	.38	120	120

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
72	06890100	09-10-89	0.11	1.9	0.3	0.36	<0.1	0.40	160	190
		10-11-89	.12	1.7	.4	.97	2.7	.32	120	170
		12-13-89	.10	.40	.4	1.9	.3	.04	15	91
		03-21-90	.11	1.8	<.1	.38	.8	.38	130	210
		04-18-90	.14	1.6	.8	.44	.7	.34	120	220

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony ($\mu\text{g/g}$) (29816)	Arsenic ($\mu\text{g/g}$) (29818)	Beryllium ($\mu\text{g/g}$) (29822)	Cadmium ($\mu\text{g/g}$) (29826)	Calcium (percent) (30240)	Chromium ($\mu\text{g/g}$) (29829)
74	06890900	08-19-87	0830	8.3	1	38	3	3	2.2	92
		06-08-88	1215	8.5	1	18	3	3	3.0	98
		07-13-88	1245	7.3	1	130	2	3	3.9	92
		08-10-88	1300	7.0	1	180	2	5	3.7	79
		02-15-89	1330	1.1	--	--	<2	--	27	13
		04-19-89	1230	2.7	.4	9	<2	2	21	33
		06-14-89	1215	8.8	1	25	3	2	2.5	94
		07-12-89	1250	5.5	3	300	<2	8	3.8	64
		04-25-90	1405	7.9	1	16	<3	6	2.3	110
		08-19-87	1100	7.4	.9	10	2	2	1.4	130
83	06891500	09-23-87	1315	7.6	1	12	3	9	2.2	92
		10-21-87	1130	8.0	1	15	3	2	2.5	98
		11-24-87	0915	7.7	1	13	3	11	3.3	130
		01-20-88	1215	8.8	1	10	3	1	2.1	110
		02-17-88	1230	8.6	.9	11	3	4	3.7	110
		04-20-88	1245	7.1	1	12	2	2	2.1	130
		05-18-88	0905	7.6	1	11	2	2	2.2	170
		06-08-88	1300	7.8	1	10	3	3	1.9	93
		07-13-88	1445	7.7	1	15	3	3	1.1	96
		08-10-88	1500	8.7	1	16	3	6	1.7	100
		10-05-88	1500	7.8	1	18	<4	8	3.9	100
		11-09-88	1545	6.7	1	27	<4	7	3.4	110
		01-25-89	1600	9.6	1	11	3	1	.93	110
		02-15-89	1530	8.1	--	--	<2	--	1.8	110
		03-15-89	1430	8.4	.9	13	3	7	2.8	94
		04-19-89	1445	5.3	.5	9	<2	1	13	55
		05-17-89	0750	7.1	1	14	2	2	2.0	77
		06-14-89	1415	8.0	1	11	3	2	1.9	88
		07-12-89	1510	8.0	.9	16	3	15	2.0	94

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
83	06891500	08-16-89	1325	7.9	1	13	3	5	2.2	96
		09-13-89	0855	8.6	2	10	3	2	1.7	100
		10-11-89	1520	8.5	4	11	3	7	2.4	95
		11-15-89	1500	8.6	5	14	3	3	2.4	100
		03-21-90	1535	6.5	.8	8	2	2	1.1	81
88	06892350	04-25-90	1205	8.7	.6	7	3	2	1.1	100
		07-22-87	1340	6.0	1	8	2	2	3.2	52
		08-19-87	0945	7.1	1	10	2	10	3.4	65
		09-21-87	0930	7.2	1	10	2	24	3.4	65
		10-20-87	1000	5.4	.8	8	<2	2	4.3	49
		11-23-87	0900	3.8	.3	5	<2	.7	3.1	18
		12-22-87	0915	7.8	1	11	2	1	1.9	81
		01-19-88	1515	3.9	.5	3	<2	.7	2.9	23
		02-17-88	0920	5.7	.8	7	2	3	3.6	50
		03-15-88	1245	3.5	.6	3	<2	1	4.2	28
		04-18-88	0945	5.8	1	9	<2	4	4.0	100
		05-16-88	0945	3.3	.5	5	<2	2	8.1	69
		06-06-88	1200	4.5	1	10	<2	7	6.7	47
		07-01-88	1030	8.0	.8	11	3	.9	1.0	88
		07-07-88	1330	7.6	.9	12	3	2	1.9	79
		08-08-88	0945	4.3	1	5	<2	4	1.4	27
		08-29-88	1045	5.4	1	16	<2	6	5.2	59
		10-03-88	1020	5.1	.9	22	<2	4	5.1	52
		11-08-88	1020	4.3	1	12	<3	13	6.8	44
		03-13-89	0925	3.6	.6	10	<3	2	7.2	38
		04-18-89	1255	2.5	.4	11	<2	1	18	25
		05-19-89	0920	5.6	.8	24	<2	2	2.7	54
		06-12-89	0935	4.7	.7	11	<2	4	3.0	49
		07-14-89	0855	8.7	1	13	3	.9	2.5	80
		08-15-89	0915	8.2	1	15	3	1	3.0	75
		09-07-89	1325	7.5	1	9	2	.6	2.1	76

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
74	06890900	08-19-87	17	36	5.0	45	1.2	16,000	2	39
		06-08-88	18	41	4.8	44	1.3	17,000	2	43
		07-13-88	19	33	5.4	34	1.4	49,000	8	54
		08-10-88	20	26	5.2	43	1.2	66,000	4	33
		02-15-89	7	78	.55	--	1.1	4,400	--	24
83	06891500	04-19-89	7	75	1.4	47	.82	2,600	1	30
		06-14-89	17	100	5.1	60	1.2	16,000	2	47
		07-12-89	20	93	12	63	1.0	48,000	7	45
		04-25-90	16	240	4.5	130	.85	7,300	1	110
		08-19-87	12	25	3.6	28	.81	1,200	.9	34
		09-23-87	16	41	4.0	31	1.1	2,000	1	150
		10-21-87	22	34	4.7	40	1.1	4,500	2	44
		11-24-87	17	45	4.3	36	1.3	3,600	2	48
		01-20-88	12	36	4.6	34	1.0	1,200	1	43
		02-17-88	14	37	4.6	28	1.4	2,200	3	66
		04-20-88	15	33	3.7	28	.97	1,800	1	43
		05-18-88	17	61	4.1	24	1.1	1,800	1	47
		06-08-88	16	37	4.0	36	.99	2,100	1	41
		07-13-88	14	32	4.2	31	.86	2,000	1	48
		08-10-88	18	34	4.6	34	1.1	2,300	1	48
		10-05-88	18	35	4.1	44	1.7	2,600	3	41
		11-09-88	59	54	5.5	43	1.6	7,800	3	66
		01-25-89	15	34	5.0	30	1.0	670	1	49
		02-15-89	25	61	5.4	--	1.7	2,000	--	65
		03-15-89	20	100	4.6	90	1.2	7,300	2	63
		04-19-89	11	36	2.5	31	.79	1,500	.8	36
		05-17-89	17	50	3.9	52	.82	1,800	1	42

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
83	06891500	06-14-89	17	65	4.0	44	0.98	2,300	1	44
		07-12-89	18	85	4.2	57	1.0	2,900	1	51
		08-16-89	17	68	4.1	49	1.1	2,800	1	49
		09-13-89	16	47	4.4	35	1.0	1,800	.3	50
		10-11-89	17	60	4.5	210	1.2	2,600	6	48
		11-15-89	22	80	5.5	170	1.1	5,600	14	64
		03-21-90	14	88	3.1	45	.60	1,300	.7	33
		04-25-90	18	75	4.4	41	.85	2,400	.7	50
		07-22-87	11	33	2.8	22	.89	730	1	26
		08-19-87	13	45	3.4	28	1.1	970	2	40
88	06892350	09-21-87	13	63	3.5	30	1.1	1,000	1	40
		10-20-87	10	27	2.6	26	1.1	1,400	2	26
		11-23-87	5	7	1.0	20	.66	690	1	35
		12-22-87	16	31	4.1	22	.99	1,400	1	330
		01-19-88	5	24	1.2	20	.66	470	1	12
		02-17-88	10	43	2.5	35	.91	770	1	25
		03-15-88	6	24	1.0	21	.83	750	2	12
		04-18-88	12	53	2.9	41	1.3	1,900	3	37
		05-16-88	9	23	1.6	15	1.5	2,600	3	20
		06-06-88	11	48	2.1	28	1.2	2,900	2	29
		07-01-88	13	37	3.9	25	.85	790	1	38
		07-07-88	14	32	3.8	28	1.1	1,600	1	38
		08-08-88	6	23	1.3	43	.48	950	.7	21
		08-29-88	14	42	3.0	42	1.5	5,700	4	44
		10-03-88	12	39	2.6	36	1.5	3,600	3	28
		11-08-88	10	58	1.9	45	1.8	1,800	4	24
		03-13-89	10	48	1.9	64	1.6	3,000	3	38
		04-18-89	8	37	1.2	33	.94	2,300	1	28

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
88	06892350	05-19-89	13	77	2.8	65	1.2	4,900	4	41
		06-12-89	9	36	1.9	35	.73	2,600	2	21
		07-14-89	14	40	4.3	32	1.3	880	2	40
		08-15-89	13	42	4.1	33	1.3	1,100	3	38
		09-07-89	13	29	3.6	31	.95	990	.8	32

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver ($\mu\text{g/g}$) (29850)	Sodium (percent) (30304)	Thallium ($\mu\text{g/g}$)	Titanium (percent) (30317)	Vanadium ($\mu\text{g/g}$) (29853)	Zinc ($\mu\text{g/g}$) (29855)
74	06890900	08-19-87	0.13	1.8	0.2	0.42	0.9	0.35	140	410
		06-08-88	.12	1.8	.2	.58	.9	.35	140	260
		07-13-88	.24	1.6	.6	.82	.8	.30	120	240
		08-10-88	.35	1.5	.1	.59	.7	.30	110	300
		02-15-89	.05	.50	--	1.4	--	.04	15	58
83	06891500	04-19-89	.07	.68	.2	.37	.3	.11	45	380
		06-14-89	.13	1.9	.7	.51	.8	.34	150	270
		07-12-89	1.2	1.3	.4	.51	.6	.23	110	280
		04-25-90	.24	1.6	.5	.19	.7	.32	130	310
		08-19-87	.08	1.9	.8	.62	.7	.41	110	150
		09-23-87	.09	2.0	.5	.76	.7	.38	110	180
		10-21-87	.15	2.0	.3	.59	.8	.36	130	190
		11-24-87	.11	2.0	.3	.85	.8	.37	120	190
		01-20-88	.10	2.0	.2	.43	.9	.40	130	180
		02-17-88	.10	2.0	.2	1.0	.8	.39	120	190
		04-20-88	.10	2.1	.2	.71	.8	.35	110	140
		05-18-88	.10	2.0	.1	.70	.7	.53	130	210
		06-08-88	.10	2.0	.3	.67	.8	.39	120	160
		07-13-88	.09	2.0	.2	.57	.7	.40	120	160
		08-10-88	.11	2.2	.2	.56	.8	.42	140	190
		10-05-88	.10	2.2	.3	1.4	.9	.38	120	200
		11-09-88	.17	2.0	<.1	1.2	.5	.34	130	190
		01-25-89	.08	2.3	.2	.33	1.2	.44	160	160
		02-15-89	.15	1.1	--	1.2	--	.60	160	230
		03-15-89	.12	2.1	.6	.75	.8	.38	130	350
		04-19-89	.08	1.5	.3	.50	.4	.25	79	250
		05-17-89	.09	2.0	.5	.67	.7	.36	110	200

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
83	06891500	06-14-89	0.10	2.1	0.5	0.64	0.8	0.41	120	240
		07-12-89	.11	2.0	.4	.56	.6	.39	130	320
		08-16-89	.11	2.1	.3	.66	.8	.38	120	270
		09-13-89	.09	2.1	<.1	.49	<.1	.41	130	260
		10-11-89	.11	2.0	.4	.70	3.6	.37	130	180
		11-15-89	.12	2.0	.4	.50	3.0	.39	140	270
		03-21-90	.07	1.7	<.1	.67	.6	.35	90	130
		04-25-90	.10	2.0	<.1	.44	.5	.40	130	170
		07-22-87	.07	1.7	.2	.86	.8	.27	110	100
		08-19-87	.09	1.9	.2	.94	.9	.33	120	130
88	06892350	09-21-87	.09	1.9	.2	.87	.9	.33	120	150
		10-20-87	.15	1.7	.6	2.3	.6	.24	87	130
		11-23-87	.05	2.1	.2	3.4	.4	.12	27	45
		12-22-87	.10	1.9	.2	.63	.7	.37	120	140
		01-19-88	.06	1.9	.2	2.4	.4	.15	35	57
		02-17-88	.10	1.9	.5	1.6	.6	.27	77	150
		03-15-88	.11	2.5	.2	3.1	.4	.10	33	76
		04-18-88	.12	1.8	.4	2.7	.7	.29	90	150
		05-16-88	.20	2.4	.3	5.9	.3	.17	53	72
		06-06-88	.26	1.6	.3	2.8	.4	.20	74	140
		07-01-88	.09	2.2	.2	.60	.8	.39	120	110
		07-07-88	.11	2.0	.2	1.6	.8	.36	120	130
		08-08-88	.06	2.2	.2	1.5	.5	.12	39	97
		08-29-88	.18	1.8	.3	4.7	.6	.25	91	130
		10-03-88	.15	1.6	.5	4.4	.6	.24	84	110
		11-08-88	.11	2.1	.3	4.9	.6	.17	62	110
		03-13-89	.18	1.6	.8	5.5	.4	.17	55	270
		04-18-89	.27	.93	.4	2.1	.2	.11	39	170

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver ($\mu\text{g/g}$) (29850)	Sodium (percent) (30304)	Thallium ($\mu\text{g/g}$)	Titanium (percent) (30317)	Vanadium ($\mu\text{g/g}$) (29853)	Zinc ($\mu\text{g/g}$) (29855)
88	06892350	05-19-89	0.20	1.8	1	3.3	0.6	0.26	85	300
		06-12-89	.22	2.0	.6	1.6	.6	.18	62	140
		07-14-89	.09	2.2	.5	.37	1.1	.36	150	200
		08-15-89	.09	2.1	.6	1.1	1.2	.34	140	210
		09-07-89	.08	2.1	.3	.53	<.1	.34	110	160

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum (percent) (30221)	Antimony (µg/g) (29816)	Arsenic (µg/g) (29818)	Beryllium (µg/g) (29822)	Cadmium (µg/g) (29826)	Calcium (percent) (30240)	Chromium (µg/g) (29829)
88	06892350	09-15-89	0915	6.7	0.3	8	2	0.3	2.2	54
		10-05-89	0935	8.1	5	13	3	9	3.0	76
		11-14-89	1035	5.8	3	8	2	1	3.0	45
		12-11-89	0930	5.8	5	13	<3	8	5.8	370
		03-15-90	1220	7.1	.8	8	2	.8	.93	78
		04-23-90	1500	6.3	.7	9	<2	2	2.9	67

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt ($\mu\text{g/g}$) (35031)	Copper ($\mu\text{g/g}$) (29832)	Iron (percent) (30269)	Lead ($\mu\text{g/g}$) (29836)	Magnesium (percent) (30277)	Manganese ($\mu\text{g/g}$) (29839)	Molybdenum ($\mu\text{g/g}$) (29843)	Nickel ($\mu\text{g/g}$) (29845)
88	06892350	09-15-89	10	32	3.0	27	0.85	630	0.4	24
		10-05-89	15	60	4.2	150	1.3	2,100	7	45
		11-14-89	9	47	2.6	120	.92	1,200	6	52
		12-11-89	12	90	3.3	250	1.7	1,500	14	45
		03-15-90	12	27	3.2	24	.63	820	1	32
		04-23-90	12	86	3.0	52	.80	2,100	1	38

Table 10. Concentrations of selected chemical elements in suspended sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus (percent) (30292)	Potassium (percent) (30294)	Silver (µg/g) (29850)	Sodium (percent) (30304)	Thallium (µg/g)	Titanium (percent) (30317)	Vanadium (µg/g) (29853)	Zinc (µg/g) (29855)
88	06892350	09-15-89	0.07	2.2	<0.1	0.72	<0.1	0.30	100	130
		10-05-89	.11	1.9	.6	.75	2.9	.33	140	180
		11-14-89	.09	2.1	.5	1.5	2.3	.21	77	120
		12-11-89	.13	1.8	1	3.6	2.3	.24	99	230
		03-15-90	.08	1.8	<.1	.65	.7	.36	100	96
		04-23-90	.21	1.7	.2	.46	.5	.29	92	150

Table 11. Concentrations of selected chemical elements in bed sediment

[Number in parentheses is the U.S. Environmental Protection Agency identification number. <, less than; µg/g, micrograms per gram; --, not determined]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, <63-micron wet sieve, field (percent) (34790)	Aluminum, <180-micron wet sieve, field (percent) (34791)	Aluminum, <63-micron dry sieve, laboratory (percent) (34792)	Antimony, <63-micron wet sieve, field (µg/g) (34795)	Arsenic, <63-micron wet sieve, field (µg/g) (34800)	Arsenic, <180-micron wet sieve, field (µg/g) (34801)	Arsenic, <63-micron dry sieve, laboratory (µg/g) (34802)	Barium, <63-micron wet sieve, field (µg/g) (34805)	Barium, <180-micron wet sieve, field (µg/g) (34806)
1	06879100	10-14-87	1105	5.2	--	--	1	5	--	--	640	--
		10-14-87	1110	5.0	--	--	.9	6	--	--	620	--
		10-14-87	1120	5.0	--	--	1	5	--	--	610	--
		10-14-87	1125	5.0	--	--	.9	5	--	--	610	--
3	06879650	10-14-87	1400	5.8	--	--	.9	5	--	--	640	--
4	390833096332500	10-14-87	1535	5.1	--	5.0	1	5	--	<10	650	--
		10-14-87	1540	4.9	--	--	.8	4	--	--	630	--
		10-14-87	1605	4.9	--	--	.6	5	--	--	620	--
		10-14-87	1610	4.9	--	--	.7	4	--	--	620	--
6	06879900	10-14-87	1200	5.7	--	--	1	6	--	--	780	--
7	405457097071800	10-14-87	0850	6.5	--	--	1	8	--	--	800	--
8	405249098010000	10-15-87	0830	6.6	--	--	1	7	--	--	820	--
9	405221097582100	10-15-87	0910	7.0	--	--	1	6	--	--	830	--
10	405438097354800	10-14-87	1250	6.1	--	--	1	7	--	--	800	--
11	06880000	10-14-87	0920	6.5	--	--	4	9	--	--	840	--
13	405220097042500	10-14-87	0810	5.2	--	--	1	5	--	--	730	--
16	403611098200600	10-15-87	1105	5.7	--	--	.9	5	--	--	770	--
18	403749097503400	10-15-87	1445	5.8	--	--	.8	5	--	--	780	--
19	404327097354600	10-14-87	1505	6.1	--	--	1	6	--	--	800	--
20	405108097380600	10-14-87	1405	6.0	--	--	.9	6	--	--	760	--
21	405029097322100	10-14-87	1325	6.3	--	--	1	6	--	--	770	--
23	06880800	10-14-87	0930	6.1	--	--	1	6	--	--	790	--
25	404007096583000	10-14-87	1045	5.8	--	--	1	4	--	--	770	--
26	06881000	10-14-87	1140	5.7	--	--	1	5	--	--	790	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, <63-micron wet sieve, field (percent) (34790)	Aluminum, <180-micron wet sieve, field (percent) (34791)	Aluminum, <63-micron dry sieve, laboratory (percent) (34792)	Antimony, <63-micron wet sieve, field (μg/g) (34795)	Arsenic, <63-micron wet sieve, field (μg/g) (34800)	Arsenic, <180-micron wet sieve, field (μg/g) (34801)	Arsenic, <63-micron dry sieve, laboratory (μg/g) (34802)	Barium, <63-micron wet sieve, field (μg/g) (34805)	Barium, <180-micron wet sieve, field (μg/g) (34806)
27	403304097311400	10-15-87	1540	5.5	--	--	1	5	--	--	730	--
28	06881200	10-14-87	1215	6.6	--	--	1	8	--	--	710	--
29	402348096591100	10-14-87	1300	5.8	--	--	1	6	--	--	750	--
30	401823096480700	10-14-87	1415	6.0	--	--	.8	5	--	--	800	--
33	401425096412200	10-14-87	1520	5.7	--	--	1	6	--	--	770	--
34	400632096401600	10-14-87	1630	6.2	--	--	.9	6	--	--	640	--
35	06882000	11-12-86 11-12-86 10-15-87	1505 1506 0900	-- -- 5.8	5.4 5.3 --	-- -- --	-- -- 1	-- -- 7	<10 <10 --	-- -- --	-- -- 720	740 720 --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	1605 1610 1620 1625	5.3 5.1 4.8 4.9	-- -- -- --	-- -- -- --	.8 .8 .9 .8	5 5 5 5	-- -- -- --	-- -- -- --	690 670 660 660	-- -- -- --
38	06883000	10-15-87	1250	5.4	--	--	.9	4	--	--	760	--
40	06883570	10-15-87	1200	6.2	--	--	1	6	--	--	720	--
41	401826097451100	10-15-87	1345	5.1	--	--	.8	4	--	--	710	--
42	06883940	10-15-87	1510	6.2	--	--	.8	5	--	--	750	--
43	400940097122000	10-15-87	1315	5.4	--	--	1	5	--	--	680	--
45	400519097080700	10-15-87	1130	5.9	--	--	1	6	--	--	730	--
46	400359097101400	10-15-87	1100	6.5	--	--	1	7	--	--	650	--
47	06884025	11-12-86 10-15-87	1100 1000	-- 5.8	5.2 --	-- --	-- .9	-- 5	<10 --	-- --	-- 710	720 --
49	06884400	10-14-87 10-14-87	1730 1735	6.2 6.0	-- --	-- --	1 .9	7 6	-- --	-- --	690 660	-- --
50	06885500	11-13-86 10-14-87 10-14-87	0830 1150 1200	-- 5.3 5.1	5.2 -- --	-- -- --	-- 1 .8	-- 7 7	<10 -- --	-- -- --	-- 630 620	660 -- --
51	06886500	10-15-87	1030	5.9	--	5.2	1	7	--	<10	600	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, <63-micron wet sieve, field (percent) (34790)	Aluminum, <180-micron wet sieve, field (percent) (34791)	Aluminum, dry sieve, laboratory (percent) (34792)	Antimony, <63-micron wet sieve, field (µg/g) (34795)	Arsenic, <63-micron wet sieve, field (µg/g) (34800)	Arsenic, <180-micron wet sieve, field (µg/g) (34801)	Arsenic, <63-micron dry sieve, laboratory (µg/g) (34802)	Barium, <63-micron wet sieve, field (µg/g) (34805)	Barium, <180-micron wet sieve, field (µg/g) (34806)
52	06887000	10-14-87	1715	5.8	--	--	1	6	--	--	700	--
54	391109096251000	10-15-87	0845	5.4	--	--	1	5	--	--	650	--
56	06888030	10-15-87	1515	6.1	--	--	1	8	--	--	610	--
57	06888300	10-15-87	1345	5.6	--	5.0	.9	7	--	<10	620	--
58	06888350	10-15-87	1200	5.4	--	5.1	1	5	--	<10	640	--
59	06888500	10-15-87	1030	6.3	--	5.9	1	7	--	<10	520	--
60	390820095571500	10-15-87	1430	6.1	--	--	1	9	--	--	620	--
61	06888705	10-15-87	1530	5.2	--	--	1	6	--	--	650	--
62	06889000	10-13-87 10-13-87	0830 0900	5.2 5.0	-- --	-- --	.9 .7	6 6	-- --	-- --	630 620	-- --
64	06889500	10-13-87 10-13-87	1100 1115	6.1 5.9	-- --	-- --	1 1	10 8	-- --	-- --	630 600	-- --
65	390545095394600	10-13-87	1330	5.9	--	4.9	1	9	--	10	600	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Barium, <63-micron dry sieve, laboratory (µg/g) (34807)	Beryllium, <63-micron wet sieve, field (µg/g) (34810)	Beryllium, <180-micron wet sieve, field (µg/g) (34811)	Beryllium, <63-micron dry sieve, laboratory (µg/g) (34812)	Bismuth, <63-micron wet sieve, field (µg/g) (34815)	Bismuth, <180-micron wet sieve, field (µg/g) (34816)	Bismuth, <63-micron dry sieve, laboratory (µg/g) (34817)	Boron, <63-micron wet sieve, field (µg/g) (34820)	Cadmium, <63-micron wet sieve, field (µg/g) (34825)	Cadmium, <180-micron wet sieve, field (µg/g) (34826)
1	06879100	10-14-87	--	1	--	--	<10	--	--	0.5	<2	--
		10-14-87	--	1	--	--	<10	--	--	.9	<2	--
		10-14-87	--	1	--	--	<10	--	--	.9	<2	--
		10-14-87	--	2	--	--	<10	--	--	.6	<2	--
3	06879650	10-14-87	--	2	--	--	<10	--	--	.4	<2	--
4	390833096332500	10-14-87	650	1	--	1	<10	--	<10	.5	<2	--
		10-14-87	--	1	--	--	<10	--	--	1	<2	--
		10-14-87	--	1	--	--	<10	--	--	.9	<2	--
		10-14-87	--	1	--	--	<10	--	--	1	<2	--
6	06879900	10-14-87	--	2	--	--	<10	--	--	1	<2	--
7	405457097071800	10-14-87	--	2	--	--	<10	--	--	2	<2	--
8	405249098010000	10-15-87	--	2	--	--	<10	--	--	1	<2	--
9	405221097582100	10-15-87	--	2	--	--	<10	--	--	2	<2	--
10	405438097354800	10-14-87	--	2	--	--	<10	--	--	1	<2	--
11	06880000	10-14-87	--	2	--	--	<10	--	--	2	<2	--
13	405220097042500	10-14-87	--	1	--	--	<10	--	--	3	<2	--
16	403611098200600	10-15-87	--	2	--	--	<10	--	--	5	<2	--
18	403749097503400	10-15-87	--	2	--	--	<10	--	--	.7	<2	--
19	404327097354600	10-14-87	--	2	--	--	<10	--	--	1	<2	--
20	405108097380600	10-14-87	--	2	--	--	<10	--	--	1	<2	--
21	405029097322100	10-14-87	--	2	--	--	<10	--	--	2	<2	--
23	06880800	10-14-87	--	2	--	--	<10	--	--	.7	<2	--
25	404007096583000	10-14-87	--	2	--	--	<10	--	--	.6	<2	--
26	06881000	10-14-87	--	2	--	--	<10	--	--	.4	<2	--
27	403304097311400	10-15-87	--	1	--	--	<10	--	--	1	<2	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Barium, <63-micron dry sieve, laboratory (µg/g) (34807)	Beryllium, <63-micron wet sieve, field (µg/g) (34810)	Beryllium, <180-micron wet sieve, field (µg/g) (34811)	Beryllium, <63-micron dry sieve, laboratory (µg/g) (34812)	Bismuth, <63-micron wet sieve, field (µg/g) (34815)	Bismuth, <180-micron wet sieve, field (µg/g) (34816)	Bismuth, <63-micron dry sieve, laboratory (µg/g) (34817)	Boron, <63-micron wet sieve, field (µg/g) (34820)	Cadmium, <63-micron wet sieve, field (µg/g) (34825)	Cadmium, <180-micron wet sieve, field (µg/g) (34826)
28	06881200	10-14-87	--	2	--	--	<10	--	--	0.7	<2	--
29	402348096591100	10-14-87	--	2	--	--	<10	--	--	.7	<2	--
30	401823096480700	10-14-87	--	2	--	--	<10	--	--	.5	<2	--
33	401425096412200	10-14-87	--	2	--	--	<10	--	--	.3	<2	--
34	400632096401600	10-14-87	--	2	--	--	<10	--	--	.8	<2	--
35	06882000	11-12-86 11-12-86 10-15-87	-- -- --	-- -- 2	1 1 --	-- -- --	-- -- <10	<10 <10 --	-- -- --	-- -- .9	-- -- <2	<2 <2 --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- -- --	1 2 1 1 1	-- -- -- -- --	-- -- -- -- --	<10 <10 <10 <10 <10	-- -- -- -- --	-- -- -- -- --	.7 .8 .5 .5 .5	<2 <2 <2 <2 <2	-- -- -- -- --
38	06883000	10-15-87	--	1	--	--	<10	--	--	.8	<2	--
40	06883570	10-15-87	--	2	--	--	<10	--	--	.6	<2	--
41	401826097451100	10-15-87	--	1	--	--	<10	--	--	3	<2	--
42	06883940	10-15-87	--	2	--	--	<10	--	--	.6	<2	--
43	400940097122000	10-15-87	--	1	--	--	<10	--	--	.6	<2	--
45	400519097080700	10-15-87	--	2	--	--	<10	--	--	.9	<2	--
46	400359097101400	10-15-87	--	2	--	--	<10	--	--	.5	<2	--
47	06884025	11-12-86 10-15-87	-- --	-- 2	1 --	-- --	-- <10	<10 --	-- --	-- .6	-- <2	<2 --
49	06884400	10-14-87 10-14-87	-- --	2 2	-- --	-- --	<10 <10	-- --	-- --	.5 .9	<2 <2	-- --
50	06885500	11-13-86 10-14-87 10-14-87	-- -- --	-- 1 2	1 -- --	-- -- --	-- <10 <10	<10 -- --	-- -- --	-- .4 .8	-- <2 <2	<2 -- --
51	06886500	10-15-87	570	2	--	1	<10	--	<10	.8	<2	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Barium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34807)	Beryllium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34810)	Beryllium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34811)	Beryllium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34812)	Bismuth, <63-micron wet sieve, field ($\mu\text{g/g}$) (34815)	Bismuth, <180-micron wet sieve, field ($\mu\text{g/g}$) (34816)	Bismuth, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34817)	Boron, <63-micron wet sieve, field ($\mu\text{g/g}$) (34820)	Cadmium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34825)	Cadmium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34826)
52	06887000	10-14-87	--	2	--	--	<10	--	--	0.4	<2	--
54	391109096251000	10-15-87	--	1	--	--	<10	--	--	.4	<2	--
56	06888030	10-15-87	--	2	--	--	<10	--	--	.8	<2	--
57	06888300	10-15-87	610	2	--	1	<10	--	<10	1	<2	--
58	06888350	10-15-87	650	1	--	1	<10	--	<10	.6	<2	--
59	06888500	10-15-87	500	2	--	2	<10	--	<10	.4	<2	--
60	390820095571500	10-15-87	--	2	--	--	<10	--	--	.4	<2	--
61	06888705	10-15-87	--	1	--	--	<10	--	--	.4	<2	--
62	06889000	10-13-87 10-13-87	-- --	1 1	-- --	-- --	<10 <10	-- --	-- --	.6 1	<2 <2	-- --
64	06889500	10-13-87 10-13-87	-- --	2 2	-- --	-- --	<10 <10	-- --	-- --	.5 1	<2 <2	-- --
65	390545095394600	10-13-87	720	2	--	1	<10	--	<10	.5	<2	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, <63-micron dry sieve, laboratory (µg/g) (34827)	Calcium, <63-micron wet sieve, field (percent) (34830)	Calcium, <180-micron wet sieve, field (percent) (34831)	Calcium, <63-micron dry sieve, laboratory (percent) (34832)	Cerium, <63-micron wet sieve, field (µg/g) (34835)	Cerium, <180-micron wet sieve, field (µg/g) (34836)	Cerium, <63-micron dry sieve, laboratory (µg/g) (34837)	Chromium, <63-micron wet sieve, field (µg/g)	Chromium, <180-micron wet sieve, field (µg/g)	Chromium, <63-micron dry sieve, laboratory (µg/g)
1	06879100	10-14-87	--	3.8	--	--	78	--	--	49	--	--
		10-14-87	--	3.7	--	--	64	--	--	38	--	--
		10-14-87	--	3.5	--	--	71	--	--	40	--	--
		10-14-87	--	3.6	--	--	73	--	--	39	--	--
3	06879650	10-14-87	--	2.8	--	--	74	--	--	61	--	--
4	390833096332500	10-14-87	<2	2.7	--	2.9	74	--	68	43	--	39
		10-14-87	--	2.7	--	--	68	--	--	38	--	--
		10-14-87	--	2.7	--	--	64	--	--	36	--	--
		10-14-87	--	2.7	--	--	62	--	--	37	--	--
6	06879900	10-14-87	--	.93	--	--	68	--	--	48	--	--
7	405457097071800	10-14-87	--	1.1	--	--	64	--	--	63	--	--
8	405249098010000	10-15-87	--	.94	--	--	79	--	--	56	--	--
9	405221097582100	10-15-87	--	1.0	--	--	75	--	--	73	--	--
10	405438097354800	10-14-87	--	.96	--	--	58	--	--	53	--	--
11	06880000	10-14-87	--	1.1	--	--	74	--	--	64	--	--
13	405220097042500	10-14-87	--	.99	--	--	59	--	--	42	--	--
16	403611098200600	10-15-87	--	1.1	--	--	59	--	--	46	--	--
18	403749097503400	10-15-87	--	.93	--	--	68	--	--	47	--	--
19	404327097354600	10-14-87	--	1.0	--	--	68	--	--	34	--	--
20	405108097380600	10-14-87	--	.91	--	--	75	--	--	55	--	--
21	405029097322100	10-14-87	--	1.0	--	--	66	--	--	59	--	--
23	06880800	10-14-87	--	.95	--	--	70	--	--	56	--	--
25	404007096583000	10-14-87	--	1.0	--	--	74	--	--	52	--	--
26	06881000	10-14-87	--	.98	--	--	70	--	--	45	--	--
27	403304097311400	10-15-87	--	.88	--	--	65	--	--	46	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34827)	Calcium, <63-micron wet sieve, field (percent) (34830)	Calcium, <180-micron wet sieve, field (percent) (34831)	Calcium, <63-micron dry sieve, laboratory (percent) (34832)	Cerium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34835)	Cerium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34836)	Cerium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34837)	Chromium, <63-micron wet sieve, field ($\mu\text{g/g}$)	Chromium, <180-micron wet sieve, field ($\mu\text{g/g}$)	Chromium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$)
28	06881200	10-14-87	--	0.90	--	--	71	--	--	54	--	--
29	402348096591100	10-14-87	--	.89	--	--	75	--	--	54	--	--
30	401823096480700	10-14-87	--	.92	--	--	67	--	--	56	--	--
33	401425096412200	10-14-87	--	.89	--	--	91	--	--	53	--	--
34	400632096401600	10-14-87	--	2.4	--	--	78	--	--	65	--	--
35	06882000	11-12-86 11-12-86 10-15-87	-- -- --	-- -- 1.3	0.87 .87 --	-- -- --	-- -- 78	95 91 --	-- -- --	-- -- 54	55 45 --	-- -- --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- --	1.0 .98 .90 .91	-- -- -- --	-- -- -- --	85 64 68 69	-- -- -- --	-- -- -- --	55 43 41 40	-- -- -- --	-- -- -- --
38	06883000	10-15-87	--	.98	--	--	76	--	--	42	--	--
40	06883570	10-15-87	--	1.4	--	--	78	--	--	46	--	--
41	401826097451100	10-15-87	--	1.0	--	--	110	--	--	44	--	--
42	06883940	10-15-87	--	.85	--	--	69	--	--	56	--	--
43	400940097122000	10-15-87	--	.98	--	--	82	--	--	50	--	--
45	400519097080700	10-15-87	--	.96	--	--	69	--	--	50	--	--
46	400359097101400	10-15-87	--	1.2	--	--	120	--	--	71	--	--
47	06884025	11-12-86 10-15-87	-- --	-- .89	.84 --	-- --	-- 64	64 --	-- --	-- 52	38 --	-- --
49	06884400	10-14-87 10-14-87	-- --	2.0 2.1	-- --	-- --	72 62	-- --	-- --	65 54	-- --	-- --
50	06885500	11-13-86 10-14-87 10-14-87	-- -- --	-- 1.2 1.2	.89 -- --	-- -- --	-- 72 54	71 -- --	-- -- --	-- 53 45	46 -- --	-- -- --
51	06886500	10-15-87	<2	4.5	--	5.5	67	--	63	63	--	46

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, <63-micron dry sieve, laboratory (µg/g) (34827)	Calcium, <63-micron wet sieve, field (percent) (34830)	Calcium, <180-micron wet sieve, field (percent) (34831)	Calcium, <63-micron dry sieve, laboratory (percent) (34832)	Cerium, <63-micron wet sieve, field (µg/g) (34835)	Cerium, <180-micron wet sieve, field (µg/g) (34836)	Cerium, <63-micron dry sieve, laboratory (µg/g) (34837)	Chromium, <63-micron wet sieve, field (µg/g)	Chromium, <180-micron wet sieve, field (µg/g)	Chromium, <63-micron dry sieve, laboratory (µg/g)
52	06887000	10-14-87	--	1.4	--	--	81	--	--	56	--	--
54	391109096251000	10-15-87	--	2.7	--	--	68	--	--	48	--	--
56	06888030	10-15-87	--	3.2	--	--	79	--	--	78	--	--
57	06888300	10-15-87	<2	4.0	--	3.5	68	--	69	63	--	47
58	06888350	10-15-87	<2	3.0	--	2.7	81	--	63	54	--	39
59	06888500	10-15-87	<2	4.8	--	4.9	74	--	66	62	--	63
60	390820095571500	10-15-87	--	1.7	--	--	75	--	--	69	--	--
61	06888705	10-15-87	--	2.5	--	--	75	--	--	47	--	--
62	06889000	10-13-87 10-13-87	--	4.4 4.5	--	--	79 62	--	--	50 41	--	--
64	06889500	10-13-87 10-13-87	--	1.9 2.6	--	--	83 71	--	--	77 61	--	--
65	390545095394600	10-13-87	<2	1.8	--	4.8	75	--	76	71	--	54

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt, <63-micron wet sieve, field (µg/g)	Cobalt, <180-micron wet sieve, field (µg/g)	Cobalt, <63-micron dry sieve, laboratory (µg/g)	Copper, <63-micron wet sieve, field (34850) (µg/g)	Copper, <180-micron wet sieve, field (34851) (µg/g)	Copper, <63-micron dry sieve, laboratory (34852) (µg/g)	Europium, <63-micron wet sieve, field (34855) (µg/g)	Europium, <180-micron wet sieve, field (34856) (µg/g)	Gallium, <63-micron wet sieve, field (34860) (µg/g)	Gallium, <180-micron wet sieve, field (34861) (µg/g)
1	06879100	10-14-87	8	--	--	12	--	--	<2	--	12	--
		10-14-87	8	--	--	12	--	--	<2	--	11	--
		10-14-87	8	--	--	12	--	--	<2	--	11	--
		10-14-87	8	--	--	13	--	--	<2	--	12	--
3	06879650	10-14-87	11	--	--	15	--	--	<2	--	14	--
4	390833096332500	10-14-87	7	--	7	10	--	9	<2	--	11	--
		10-14-87	7	--	--	9	--	--	<2	--	11	--
		10-14-87	7	--	--	10	--	--	<2	--	10	--
		10-14-87	7	--	--	10	--	--	<2	--	11	--
6	06879900	10-14-87	8	--	--	13	--	--	<2	--	12	--
7	405457097071800	10-14-87	12	--	--	20	--	--	<2	--	16	--
8	405249098010000	10-15-87	13	--	--	19	--	--	<2	--	16	--
9	405221097582100	10-15-87	12	--	--	24	--	--	<2	--	17	--
10	405438097354800	10-14-87	9	--	--	16	--	--	<2	--	14	--
11	06880000	10-14-87	13	--	--	20	--	--	<2	--	15	--
13	405220097042500	10-14-87	7	--	--	10	--	--	<2	--	11	--
16	403611098200600	10-15-87	8	--	--	21	--	--	<2	--	12	--
18	403749097503400	10-15-87	9	--	--	11	--	--	<2	--	13	--
19	404327097354600	10-14-87	9	--	--	26	--	--	<2	--	14	--
20	405108097380600	10-14-87	10	--	--	17	--	--	<2	--	13	--
21	405029097322100	10-14-87	11	--	--	22	--	--	<2	--	15	--
23	06880800	10-14-87	10	--	--	16	--	--	<2	--	14	--
25	404007096583000	10-14-87	9	--	--	15	--	--	<2	--	13	--
26	06881000	10-14-87	8	--	--	14	--	--	<2	--	13	--
27	403304097311400	10-15-87	8	--	--	11	--	--	<2	--	13	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt, <63-micron wet sieve, field (µg/g)	Cobalt, <63-micron dry sieve, laboratory (µg/g)	Copper, <63-micron wet sieve, field (µg/g) (34850)	Copper, <180-micron wet sieve, field (µg/g) (34851)	Copper, <63-micron dry sieve, laboratory (µg/g) (34852)	Europium, <63-micron wet sieve, field (µg/g) (34855)	Europium, <180-micron wet sieve, field (µg/g) (34856)	Gallium, <63-micron wet sieve, field (µg/g) (34860)	Gallium, <180-micron wet sieve, field (µg/g) (34861)
28	06881200	10-14-87	12	--	19	--	--	<2	--	16	--
29	402348096591100	10-14-87	10	--	12	--	--	<2	--	13	--
30	401823096480700	10-14-87	9	--	13	--	--	<2	--	13	--
33	401425096412200	10-14-87	9	--	11	--	--	<2	--	13	--
34	400632096401600	10-14-87	16	--	15	--	--	<2	--	15	--
35	06882000	11-12-86	--	9	--	12	--	--	<2	--	11
		11-12-86	--	8	--	10	--	--	<2	--	10
		10-15-87	11	--	15	--	--	<2	--	14	--
36	06882510	10-14-87	9	--	14	--	--	<2	--	12	--
		10-14-87	9	--	14	--	--	<2	--	12	--
		10-14-87	8	--	10	--	--	<2	--	11	--
		10-14-87	8	--	11	--	--	<2	--	11	--
38	06883000	10-15-87	7	--	11	--	--	<2	--	12	--
40	06883570	10-15-87	11	--	16	--	--	<2	--	14	--
41	401826097451100	10-15-87	7	--	10	--	--	<2	--	12	--
42	06883940	10-15-87	9	--	14	--	--	<2	--	14	--
43	400940097122000	10-15-87	8	--	12	--	--	<2	--	12	--
45	400519097080700	10-15-87	9	--	12	--	--	<2	--	13	--
46	400359097101400	10-15-87	11	--	19	--	--	<2	--	16	--
47	06884025	11-12-86	--	7	--	10	--	--	<2	--	11
		10-15-87	9	--	17	--	--	<2	--	13	--
49	06884400	10-14-87	10	--	16	--	--	<2	--	14	--
		10-14-87	10	--	16	--	--	<2	--	14	--
50	06885500	11-13-86	--	9	--	12	--	--	<2	--	11
		10-14-87	9	--	10	--	--	<2	--	11	--
		10-14-87	9	--	13	--	--	<2	--	11	--
51	06886500	10-15-87	11	10	15	--	14	<2	--	14	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt, <63-micron wet sieve, field (µg/g)	Cobalt, <180-micron wet sieve, field (µg/g)	Cobalt, dry sieve, laboratory (µg/g)	Copper, <63-micron wet sieve, field (µg/g) (34850)	Copper, <180-micron wet sieve, field (µg/g) (34851)	Copper, dry sieve, laboratory (µg/g) (34852)	Europium, <63-micron wet sieve, field (µg/g) (34855)	Europium, <180-micron wet sieve, field (µg/g) (34856)	Gallium, <63-micron wet sieve, field (µg/g) (34860)	Gallium, <180-micron wet sieve, field (µg/g) (34861)
52	06887000	10-14-87	10	--	--	12	--	--	<2	--	13	--
54	391109096251000	10-15-87	8	--	--	12	--	--	<2	--	12	--
56	06888030	10-15-87	12	--	--	17	--	--	<2	--	15	--
57	06888300	10-15-87	11	--	10	15	--	12	<2	--	13	--
58	06888350	10-15-87	8	--	7	11	--	12	<2	--	12	--
59	06888500	10-15-87	13	--	13	20	--	18	<2	--	16	--
60	390820095571500	10-15-87	12	--	--	18	--	--	<2	--	15	--
61	06888705	10-15-87	8	--	--	11	--	--	<2	--	11	--
62	06889000	10-13-87 10-13-87	8 8	-- --	-- --	15 14	-- --	-- --	<2 <2	-- --	12 11	-- --
64	06889500	10-13-87 10-13-87	14 13	-- --	-- --	16 16	-- --	-- --	<2 <2	-- --	15 15	-- --
65	390545095394600	10-13-87	12	--	21	17	--	20	<2	--	14	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Gallium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34862)	Gold, <63-micron wet sieve, field ($\mu\text{g/g}$) (34870)	Gold, <180-micron wet sieve, field ($\mu\text{g/g}$) (34871)	Holmium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34875)	Holmium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34876)	Iron, <63-micron wet sieve, field (percent) (34880)	Iron, <180-micron wet sieve, field (percent) (34881)	Iron, <63-micron dry sieve, laboratory (percent) (34882)	Lanthanum, <63-micron wet sieve, field ($\mu\text{g/g}$) (34885)	Lanthanum, <180-micron wet sieve, field ($\mu\text{g/g}$) (34886)
1	06879100	10-14-87	--	<8	--	<4	--	2.0	--	--	44	--
		10-14-87	--	<8	--	<4	--	1.9	--	--	37	--
		10-14-87	--	<8	--	<4	--	1.9	--	--	39	--
		10-14-87	--	<8	--	<4	--	2.0	--	--	40	--
3	06879650	10-14-87	--	<8	--	<4	--	2.3	--	--	42	--
4	390833096332500	10-14-87	10	<8	--	<4	--	1.8	--	1.6	43	--
		10-14-87	--	<8	--	<4	--	1.7	--	--	37	--
		10-14-87	--	<8	--	<4	--	1.7	--	--	36	--
		10-14-87	--	<8	--	<4	--	1.7	--	--	35	--
6	06879900	10-14-87	--	<8	--	<4	--	2.0	--	--	39	--
7	405457097071800	10-14-87	--	<8	--	<4	--	2.6	--	--	37	--
8	405249098010000	10-15-87	--	<8	--	<4	--	2.7	--	--	42	--
9	405221097582100	10-15-87	--	<8	--	<4	--	2.9	--	--	42	--
10	405438097354800	10-14-87	--	<8	--	<4	--	2.2	--	--	35	--
11	06880000	10-14-87	--	<8	--	<4	--	2.7	--	--	40	--
13	405220097042500	10-14-87	--	<8	--	<4	--	1.6	--	--	35	--
16	403611098200600	10-15-87	--	<8	--	<4	--	1.8	--	--	33	--
18	403749097503400	10-15-87	--	<8	--	<4	--	2.0	--	--	38	--
19	404327097354600	10-14-87	--	<8	--	<4	--	2.2	--	--	39	--
20	405108097380600	10-14-87	--	<8	--	<4	--	2.2	--	--	42	--
21	405029097322100	10-14-87	--	<8	--	<4	--	2.5	--	--	39	--
23	06880800	10-14-87	--	<8	--	<4	--	2.3	--	--	40	--
25	404007096583000	10-14-87	--	<8	--	<4	--	2.1	--	--	42	--
26	06881000	10-14-87	--	<8	--	<4	--	1.9	--	--	40	--
27	403304097311400	10-15-87	--	<8	--	<4	--	1.8	--	--	37	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Gallium, <63-micron dry sieve, laboratory (µg/g) (34862)	Gold, <63-micron wet sieve, field (µg/g) (34870)	Gold, <180-micron wet sieve, field (µg/g) (34871)	Holmium, <63-micron wet sieve, field (µg/g) (34875)	Holmium, <180-micron wet sieve, field (µg/g) (34876)	Iron, <63-micron wet sieve, field (percent) (34880)	Iron, <180-micron wet sieve, field (percent) (34881)	Iron, <63-micron dry sieve, laboratory (percent) (34882)	Lanthanum, <63-micron wet sieve, field (µg/g) (34885)	Lanthanum, <180-micron wet sieve, field (µg/g) (34886)
28	06881200	10-14-87	--	<8	--	<4	--	2.9	--	--	40	--
29	402348096591100	10-14-87	--	<8	--	<4	--	2.2	--	--	43	--
30	401823096480700	10-14-87	--	<8	--	<4	--	2.2	--	--	37	--
33	401425096412200	10-14-87	--	<8	--	<4	--	2.1	--	--	51	--
34	400632096401600	10-14-87	--	<8	--	<4	--	2.7	--	--	39	--
35	06882000	11-12-86 11-12-86 10-15-87	-- -- --	-- -- <8	<8 <8 --	-- -- <4	<4 <4 --	-- -- 2.3	1.9 1.8 --	-- -- --	-- -- 44	52 48 --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- --	<8 <8 <8 <8	-- -- -- --	<4 <4 <4 <4	-- -- -- --	1.9 1.9 1.7 1.7	-- -- -- --	-- -- -- --	46 35 37 37	-- -- -- --
38	06883000	10-15-87	--	<8	--	<4	--	1.7	--	--	42	--
40	06883570	10-15-87	--	<8	--	<4	--	2.4	--	--	44	--
41	401826097451100	10-15-87	--	<8	--	<4	--	1.7	--	--	61	--
42	06883940	10-15-87	--	<8	--	<4	--	2.3	--	--	39	--
43	400940097122000	10-15-87	--	<8	--	<4	--	2.0	--	--	46	--
45	400519097080700	10-15-87	--	<8	--	<4	--	2.1	--	--	40	--
46	400359097101400	10-15-87	--	<8	--	<4	--	2.9	--	--	65	--
47	06884025	11-12-86 10-15-87	-- --	-- <8	<8 --	-- <4	<4 --	-- 2.1	1.5 --	-- --	-- 36	35 --
49	06884400	10-14-87 10-14-87	-- --	<8 <8	-- --	<4 <4	-- --	2.6 2.5	-- --	-- --	42 34	-- --
50	06885500	11-13-86 10-14-87 10-14-87	-- -- --	-- <8 <8	<8 -- --	-- <4 <4	<4 -- --	-- 2.0 2.0	1.8 -- --	-- -- --	-- 41 30	38 -- --
51	06886500	10-15-87	13	<8	--	<4	--	2.6	--	2.1	38	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Gallium, <63-micron dry sieve, laboratory (µg/g) (34862)	Gold, <63-micron wet sieve, field (µg/g) (34870)	Gold, <180-micron wet sieve, field (µg/g) (34871)	Holmium, <63-micron wet sieve, field (µg/g) (34875)	Holmium, <180-micron wet sieve, field (µg/g) (34876)	Iron, <63-micron wet sieve, field (percent) (34880)	Iron, <180-micron wet sieve, field (percent) (34881)	Iron, dry sieve, laboratory (percent) (34882)	Lanthanum, <63-micron wet sieve, field (µg/g) (34885)	Lanthanum, <180-micron wet sieve, field (µg/g) (34886)
52	06887000	10-14-87	--	<8	--	<4	--	2.3	--	--	46	--
54	391109096251000	10-15-87	--	<8	--	<4	--	1.9	--	--	40	--
56	06888030	10-15-87	--	<8	--	<4	--	2.8	--	--	43	--
57	06888300	10-15-87	11	<8	--	<4	--	2.3	--	1.9	39	--
58	06888350	10-15-87	11	<8	--	<4	--	2.0	--	1.7	46	--
59	06888500	10-15-87	14	<8	--	<4	--	2.9	--	2.5	40	--
60	390820095571500	10-15-87	--	<8	--	<4	--	2.7	--	--	43	--
61	06888705	10-15-87	--	<8	--	<4	--	1.9	--	--	43	--
62	06889000	10-13-87	--	<8	--	<4	--	2.0	--	--	44	--
		10-13-87	--	<8	--	<4	--	2.0	--	--	36	--
64	06889500	10-13-87	--	<8	--	<4	--	3.1	--	--	45	--
		10-13-87	--	<8	--	<4	--	2.8	--	--	37	--
65	390545095394600	10-13-87	15	<8	--	<4	--	2.7	--	2.5	43	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Lanthanum, <63-micron dry sieve, laboratory (µg/g) (34887)	Lead, <63-micron wet sieve, field (µg/g) (34890)	Lead, <180-micron wet sieve, field (µg/g) (34891)	Lead, <63-micron dry sieve, laboratory (µg/g) (34892)	Lithium, <63-micron wet sieve, field (µg/g) (34895)	Lithium, <180-micron wet sieve, field (µg/g) (34896)	Lithium, <63-micron dry sieve, laboratory (µg/g) (34897)	Magnesium, <63-micron wet sieve, field (percent) (34900)	Magnesium, <180-micron wet sieve, field (percent) (34901)	Magnesium, <63-micron dry sieve, laboratory (percent) (34902)
1	06879100	10-14-87	--	18	--	--	21	--	--	0.58	--	--
		10-14-87	--	18	--	--	22	--	--	.57	--	--
		10-14-87	--	19	--	--	22	--	--	.57	--	--
		10-14-87	--	18	--	--	22	--	--	.58	--	--
3	06879650	10-14-87	--	22	--	--	31	--	--	.77	--	--
4	390833096332500	10-14-87	39	18	--	15	20	--	18	.55	--	0.48
		10-14-87	--	16	--	--	20	--	--	.52	--	--
		10-14-87	--	17	--	--	20	--	--	.52	--	--
		10-14-87	--	17	--	--	21	--	--	.53	--	--
6	06879900	10-14-87	--	20	--	--	21	--	--	.58	--	--
7	405457097071800	10-14-87	--	19	--	--	26	--	--	.76	--	--
8	405249098010000	10-15-87	--	29	--	--	25	--	--	.74	--	--
9	405221097582100	10-15-87	--	35	--	--	29	--	--	.82	--	--
10	405438097354800	10-14-87	--	21	--	--	24	--	--	.68	--	--
11	06880000	10-14-87	--	23	--	--	27	--	--	.77	--	--
13	405220097042500	10-14-87	--	16	--	--	19	--	--	.53	--	--
16	403611098200600	10-15-87	--	30	--	--	19	--	--	.55	--	--
18	403749097503400	10-15-87	--	23	--	--	21	--	--	.56	--	--
19	404327097354600	10-14-87	--	21	--	--	24	--	--	.66	--	--
20	405108097380600	10-14-87	--	20	--	--	21	--	--	.62	--	--
21	405029097322100	10-14-87	--	28	--	--	27	--	--	.74	--	--
23	06880800	10-14-87	--	20	--	--	25	--	--	.67	--	--
25	404007096583000	10-14-87	--	18	--	--	21	--	--	.59	--	--
26	06881000	10-14-87	--	17	--	--	21	--	--	.56	--	--
27	403304097311400	10-15-87	--	20	--	--	20	--	--	.55	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Lanthanum, <63-micron dry sieve, laboratory (ug/g) (34887)	Lead, <63-micron wet sieve, field (ug/g) (34890)	Lead, <180-micron wet sieve, field (ug/g) (34891)	Lead, dry sieve, laboratory (ug/g) (34892)	Lithium, <63-micron wet sieve, field (ug/g) (34895)	Lithium, <180-micron wet sieve, field (ug/g) (34896)	Lithium, dry sieve, laboratory (ug/g) (34897)	Magnesium, <63-micron wet sieve, field (percent) (34900)	Magnesium, <180-micron wet sieve, field (percent) (34901)	Magnesium, <63-micron dry sieve, laboratory (percent) (34902)
28	06881200	10-14-87	--	20	--	--	28	--	--	0.75	--	--
29	402348096591100	10-14-87	--	20	--	--	24	--	--	.60	--	--
30	401823096480700	10-14-87	--	17	--	--	22	--	--	.58	--	--
33	401425096412200	10-14-87	--	20	--	--	22	--	--	.57	--	--
34	400632096401600	10-14-87	--	25	--	--	32	--	--	1.5	--	--
35	06882000	11-12-86	--	--	16	--	--	20	--	--	0.49	--
		11-12-86	--	--	17	--	--	19	--	--	.47	--
		10-15-87	--	23	--	--	26	--	--	.71	--	--
36	06882510	10-14-87	--	17	--	--	20	--	--	.55	--	--
		10-14-87	--	16	--	--	22	--	--	.57	--	--
		10-14-87	--	17	--	--	20	--	--	.50	--	--
		10-14-87	--	17	--	--	20	--	--	.51	--	--
38	06883000	10-15-87	--	19	--	--	18	--	--	.48	--	--
40	06883570	10-15-87	--	24	--	--	26	--	--	.72	--	--
41	401826097451100	10-15-87	--	19	--	--	17	--	--	.50	--	--
42	06883940	10-15-87	--	19	--	--	23	--	--	.60	--	--
43	400940097122000	10-15-87	--	18	--	--	20	--	--	.49	--	--
45	400519097080700	10-15-87	--	23	--	--	24	--	--	.59	--	--
46	400359097101400	10-15-87	--	22	--	--	28	--	--	.63	--	--
47	06884025	11-12-86	--	--	14	--	--	18	--	--	.38	--
		10-15-87	--	20	--	--	22	--	--	.49	--	--
49	06884400	10-14-87	--	24	--	--	29	--	--	.80	--	--
		10-14-87	--	20	--	--	29	--	--	.76	--	--
50	06885500	11-13-86	--	--	16	--	--	22	--	--	.43	--
		10-14-87	--	17	--	--	22	--	--	.47	--	--
		10-14-87	--	18	--	--	24	--	--	.48	--	--
51	06886500	10-15-87	36	21	--	16	33	--	27	.96	--	0.78

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Lanthanum, <63-micron dry sieve, laboratory (µg/g) (34887)	Lead, <63-micron wet sieve, field (µg/g) (34890)	Lead, <180-micron wet sieve, field (µg/g) (34891)	Lead, <63-micron dry sieve, laboratory (µg/g) (34892)	Lithium, <63-micron wet sieve, field (µg/g) (34895)	Lithium, <180-micron wet sieve, field (µg/g) (34896)	Lithium, <63-micron dry sieve, laboratory (µg/g) (34897)	Magnesium, <63-micron wet sieve, field (percent) (34900)	Magnesium, <180-micron wet sieve, field (percent) (34901)	Magnesium, <63-micron dry sieve, laboratory (percent) (34902)
52	06887000	10-14-87	--	27	--	--	28	--	--	0.73	--	--
54	391109096251000	10-15-87	--	18	--	--	23	--	--	.61	--	--
56	06888030	10-15-87	--	22	--	--	37	--	--	.77	--	--
57	06888300	10-15-87	37	21	--	16	32	--	24	.79	--	0.60
58	06888350	10-15-87	35	16	--	16	21	--	19	.58	--	.51
59	06888500	10-15-87	36	24	--	21	46	--	39	1.2	--	1.0
60	390820095571500	10-15-87	--	23	--	--	35	--	--	.79	--	--
61	06888705	10-15-87	--	20	--	--	22	--	--	.58	--	--
62	06889000	10-13-87	--	20	--	--	21	--	--	.59	--	--
		10-13-87	--	19	--	--	23	--	--	.61	--	--
64	06889500	10-13-87	--	25	--	--	34	--	--	.65	--	--
		10-13-87	--	21	--	--	36	--	--	.67	--	--
65	390545095394600	10-13-87	39	22	--	30	35	--	26	.67	--	.54

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Manganese, <63-micron wet sieve, field (µg/g) (34905)	Manganese, <180-micron wet sieve, field (µg/g) (34906)	Manganese, <63-micron dry sieve, laboratory (µg/g) (34907)	Mercury, <63-micron wet sieve, field (µg/g) (34910)	Mercury, <63-micron dry sieve, laboratory (µg/g) (34912)	Molybdenum, <63-micron wet sieve, field (µg/g) (34915)	Molybdenum, <180-micron wet sieve, field (µg/g) (34916)	Molybdenum, <63-micron dry sieve, laboratory (µg/g) (34917)	Neodymium, <63-micron wet sieve, field (µg/g) (34920)
1	06879100	10-14-87	410	--	--	<.02	--	<2	--	--	37
		10-14-87	410	--	--	<.02	--	<2	--	--	33
		10-14-87	370	--	--	.02	--	<2	--	--	35
		10-14-87	380	--	--	.04	--	<2	--	--	35
3	06879650	10-14-87	470	--	--	<.02	--	<2	--	--	36
4	390833096332500	10-14-87	360	--	330	.02	0.04	<2	--	<2	35
		10-14-87	350	--	--	<.02	--	<2	--	--	34
		10-14-87	330	--	--	<.02	--	<2	--	--	31
		10-14-87	340	--	--	.02	--	<2	--	--	30
6	06879900	10-14-87	360	--	--	.02	--	<2	--	--	31
7	405457097071800	10-14-87	1,000	--	--	.02	--	<2	--	--	32
8	405249098010000	10-15-87	510	--	--	.02	--	<2	--	--	35
9	405221097582100	10-15-87	420	--	--	.1	--	<2	--	--	37
10	405438097354800	10-14-87	470	--	--	.02	--	<2	--	--	29
11	06880000	10-14-87	600	--	--	.06	--	<2	--	--	34
13	405220097042500	10-14-87	370	--	--	.02	--	<2	--	--	28
16	403611098200600	10-15-87	280	--	--	.1	--	<2	--	--	27
18	403749097503400	10-15-87	330	--	--	<.02	--	<2	--	--	31
19	404327097354600	10-14-87	430	--	--	<.02	--	<2	--	--	32
20	405108097380600	10-14-87	510	--	--	.02	--	<2	--	--	37
21	405029097322100	10-14-87	540	--	--	.06	--	<2	--	--	32
22	06880800	10-14-87	550	--	--	.02	--	<2	--	--	33
25	404007096583000	10-14-87	470	--	--	.02	--	<2	--	--	37
26	06881000	10-14-87	660	--	--	.02	--	<2	--	--	33
27	403304097311400	10-15-87	360	--	--	<.02	--	<2	--	--	31

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Manganese, <63-micron wet sieve, field (µg/g) (34905)	Manganese, <180-micron wet sieve, field (µg/g) (34906)	Manganese, <63-micron dry sieve, laboratory (µg/g) (34907)	Mercury, <63-micron wet sieve, field (µg/g) (34910)	Mercury, <63-micron dry sieve, laboratory (µg/g) (34912)	Molybdenum, <63-micron wet sieve, field (µg/g) (34915)	Molybdenum, <180-micron wet sieve, field (µg/g) (34916)	Molybdenum, <63-micron dry sieve, laboratory (µg/g) (34917)	Neodymium, <63-micron wet sieve, field (µg/g) (34920)
28	06881200	10-14-87	730	--	--	0.08	--	<2	--	--	35
29	402348096591100	10-14-87	470	--	--	.02	--	<2	--	--	35
30	401823096480700	10-14-87	540	--	--	<.02	--	<2	--	--	31
33	401425096412200	10-14-87	600	--	--	<.02	--	<2	--	--	43
34	400632096401600	10-14-87	730	--	--	<.02	--	<2	--	--	33
35	06882000	11-12-86 11-12-86 10-15-87	-- -- 540	490 470 --	-- -- --	-- -- .02	-- -- --	-- -- <2	<2 <2 --	-- -- --	-- -- 37
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	410 460 450 470	-- -- -- --	-- -- -- --	<.02 .02 .04 .04	-- -- -- --	<2 <2 <2 <2	-- -- -- --	-- -- -- --	40 33 34 35
38	06883000	10-15-87	320	--	--	<.02	--	<2	--	--	34
40	06883570	10-15-87	630	--	--	.02	--	<2	--	--	37
41	401826097451100	10-15-87	420	--	--	<.02	--	<2	--	--	51
42	06883940	10-15-87	460	--	--	.02	--	<2	--	--	33
43	400940097122000	10-15-87	650	--	--	.02	--	<2	--	--	41
45	400519097080700	10-15-87	370	--	--	.04	--	<2	--	--	32
46	400359097101400	10-15-87	450	--	--	<.02	--	<2	--	--	58
47	06884025	11-12-86 10-15-87	-- 410	380 --	-- --	-- <.02	-- --	-- <2	<2 --	-- --	-- 30
49	06884400	10-14-87 10-14-87	950 900	-- --	-- --	.04 .04	-- --	<2 <2	-- --	-- --	35 33
50	06885500	11-13-86 10-14-87 10-14-87	-- 630 700	600 -- --	-- -- --	-- .02 .04	-- -- --	-- <2 <2	<2 -- --	-- -- --	-- 34 28
51	06886500	10-15-87	620	--	800	.02	0.04	<2	--	<2	33

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Manganese, <63-micron wet sieve, field (µg/g) (34905)	Manganese, <180-micron wet sieve, field (µg/g) (34906)	Manganese, <63-micron dry sieve, laboratory (µg/g) (34907)	Mercury, <63-micron wet sieve, field (µg/g) (34910)	Mercury, <63-micron dry sieve, laboratory (µg/g) (34912)	Molybdenum, <63-micron wet sieve, field (µg/g) (34915)	Molybdenum, <180-micron wet sieve, field (µg/g) (34916)	Molybdenum, <63-micron dry sieve, laboratory (µg/g) (34917)	Neodymium, <63-micron wet sieve, field (µg/g) (34920)
52	06887000	10-14-87	500	--	--	0.08	--	<2	--	--	39
54	391109096251000	10-15-87	380	--	--	<.02	--	<2	--	--	33
56	06888030	10-15-87	920	--	--	<.02	--	<2	--	--	37
57	06888300	10-15-87	730	--	940	.04	0.06	<2	--	<2	32
58	06888350	10-15-87	430	--	380	<.02	.02	<2	--	<2	38
59	06888500	10-15-87	680	--	660	<.02	.04	<2	--	<2	34
60	390820095571500	10-15-87	1,100	--	--	.02	--	<2	--	--	36
61	06888705	10-15-87	450	--	--	<.02	--	<2	--	--	35
62	06889000	10-13-87 10-13-87	430 430	-- --	-- --	.04 .08	-- --	<2 <2	-- --	-- --	37 30
64	06889500	10-13-87 10-13-87	1,300 1,500	-- --	-- --	<.02 .06	-- --	<2 <2	-- --	-- --	39 34
65	390545095394600	10-13-87	890	--	5,700	.02	--	<2	--	<2	37

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Neodymium, <180-micron wet sieve, field (µg/g) (34921)	Neodymium, <63-micron dry sieve, laboratory (µg/g) (34922)	Nickel, <63-micron wet sieve, field (µg/g) (34925)	Nickel, <180-micron wet sieve, field (µg/g) (34926)	Nickel, <63-micron dry sieve, laboratory (µg/g) (34927)	Niobium, <63-micron wet sieve, field (µg/g) (34930)	Niobium, <180-micron wet sieve, field (µg/g) (34931)	Niobium, <63-micron dry sieve, laboratory (µg/g) (34932)	Phosphorus, <63-micron wet sieve, field (percent) (34935)
1	06879100	10-14-87	--	--	16	--	--	<4	--	--	0.06
		10-14-87	--	--	16	--	--	<4	--	--	.06
		10-14-87	--	--	16	--	--	<4	--	--	.06
		10-14-87	--	--	16	--	--	<4	--	--	.06
3	06879650	10-14-87	--	--	20	--	--	5	--	--	.05
4	390833096332500	10-14-87	--	33	15	--	14	<4	--	<4	.05
		10-14-87	--	--	13	--	--	<4	--	--	.06
		10-14-87	--	--	14	--	--	<4	--	--	.06
		10-14-87	--	--	14	--	--	<4	--	--	.06
6	06879900	10-14-87	--	--	17	--	--	4	--	--	.07
7	405457097071800	10-14-87	--	--	23	--	--	<4	--	--	.09
8	405249098010000	10-15-87	--	--	23	--	--	<4	--	--	.08
9	405221097582100	10-15-87	--	--	25	--	--	7	--	--	.11
10	405438097354800	10-14-87	--	--	19	--	--	5	--	--	.07
11	06880000	10-14-87	--	--	23	--	--	7	--	--	.09
13	405220097042500	10-14-87	--	--	14	--	--	7	--	--	.06
16	403611098200600	10-15-87	--	--	14	--	--	4	--	--	.07
18	403749097503400	10-15-87	--	--	16	--	--	<4	--	--	.06
19	404327097354600	10-14-87	--	--	18	--	--	5	--	--	.06
20	405108097380600	10-14-87	--	--	17	--	--	5	--	--	.07
21	405029097322100	10-14-87	--	--	21	--	--	9	--	--	.10
23	06880800	10-14-87	--	--	24	--	--	4	--	--	.07
25	404007096583000	10-14-87	--	--	18	--	--	<4	--	--	.06
26	06881000	10-14-87	--	--	16	--	--	<4	--	--	.06
27	403304097311400	10-15-87	--	--	15	--	--	7	--	--	.05

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Neodymium, <180-micron wet sieve, field (µg/g) (34921)	Neodymium, <63-micron dry sieve, laboratory (µg/g) (34922)	Nickel, <63-micron wet sieve, field (µg/g) (34925)	Nickel, <180-micron wet sieve, field (µg/g) (34926)	Nickel, <63-micron dry sieve, laboratory (µg/g) (34927)	Niobium, <63-micron wet sieve, field (µg/g) (34930)	Niobium, <180-micron wet sieve, field (µg/g) (34931)	Niobium, <63-micron dry sieve, laboratory (µg/g) (34932)	Phosphorus, <63-micron wet sieve, field (percent) (34935)
28	06881200	10-14-87	--	--	23	--	--	10	--	--	0.08
29	402348096591100	10-14-87	--	--	18	--	--	<4	--	--	.05
30	401823096480700	10-14-87	--	--	18	--	--	5	--	--	.07
33	401425096412200	10-14-87	--	--	16	--	--	<4	--	--	.06
34	400632096401600	10-14-87	--	--	24	--	--	<4	--	--	.06
35	06882000	11-12-86	42	--	--	19	--	--	<4	--	--
		11-12-86	41	--	--	17	--	--	7	--	--
		10-15-87	--	--	19	--	--	4	--	--	.06
36	06882510	10-14-87	--	--	16	--	--	<4	--	--	.04
		10-14-87	--	--	17	--	--	<4	--	--	.05
		10-14-87	--	--	15	--	--	<4	--	--	.05
		10-14-87	--	--	15	--	--	<4	--	--	.05
38	06883000	10-15-87	--	--	12	--	--	<4	--	--	.04
40	06883570	10-15-87	--	--	20	--	--	<4	--	--	.05
41	401826097451100	10-15-87	--	--	13	--	--	<4	--	--	.04
42	06883940	10-15-87	--	--	18	--	--	5	--	--	.06
43	400940097122000	10-15-87	--	--	15	--	--	11	--	--	.06
45	400519097080700	10-15-87	--	--	16	--	--	5	--	--	.05
46	400359097101400	10-15-87	--	--	22	--	--	5	--	--	.05
47	06884025	11-12-86	28	--	--	13	--	--	5	--	--
		10-15-87	--	--	17	--	--	<4	--	--	.04
49	06884400	10-14-87	--	--	23	--	--	5	--	--	.07
		10-14-87	--	--	23	--	--	5	--	--	.07
50	06885500	11-13-86	33	--	--	19	--	--	5	--	--
		10-14-87	--	--	18	--	--	<4	--	--	.04
		10-14-87	--	--	18	--	--	6	--	--	.05
51	06886500	10-15-87	--	30	22	--	19	<4	--	4	.05

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Neodymium, <180-micron wet sieve, field (µg/g) (34921)	Neodymium, <63-micron dry sieve, laboratory (µg/g) (34922)	Nickel, <63-micron wet sieve, field (µg/g) (34925)	Nickel, <180-micron wet sieve, field (µg/g) (34926)	Nickel, <63-micron dry sieve, laboratory (µg/g) (34927)	Niobium, <63-micron wet sieve, field (µg/g) (34930)	Niobium, <180-micron wet sieve, field (µg/g) (34931)	Niobium, <63-micron dry sieve, laboratory (µg/g) (34932)	Phosphorus, <63-micron wet sieve, field (percent) (34935)
52	06887000	10-14-87	--	--	20	--	--	<4	--	--	0.05
54	391109096251000	10-15-87	--	--	17	--	--	<4	--	--	.06
56	06888030	10-15-87	--	--	29	--	--	<4	--	--	.05
57	06888300	10-15-87	--	30	23	--	19	4	--	<4	.05
58	06888350	10-15-87	--	29	17	--	15	10	--	<4	.07
59	06888500	10-15-87	--	30	29	--	28	5	--	<4	.06
60	390820095571500	10-15-87	--	--	24	--	--	11	--	--	.07
61	06888705	10-15-87	--	--	16	--	--	<4	--	--	.05
62	06889000	10-13-87	--	--	16	--	--	<4	--	--	.05
		10-13-87	--	--	17	--	--	<4	--	--	.06
64	06889500	10-13-87	--	--	28	--	--	<4	--	--	.07
		10-13-87	--	--	26	--	--	4	--	--	.07
65	390545095394600	10-13-87	--	33	26	--	28	7	--	<4	.07

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus, <180-micron wet sieve, field (percent) (34936)	Phosphorus, <63-micron dry sieve, laboratory (percent) (34937)	Potassium, <63-micron wet sieve, field (percent) (34940)	Potassium, <180-micron wet sieve, field (percent) (34941)	Potassium, <63-micron dry sieve, laboratory (percent) (34942)	Scandium, <63-micron wet sieve, field (µg/g) (34945)	Scandium, <180-micron wet sieve, field (µg/g) (34946)	Scandium, <63-micron dry sieve, laboratory (µg/g) (34947)	Silver, <63-micron wet sieve, field (µg/g) (34955)
1	06879100	10-14-87	--	--	1.9	--	--	6	--	--	<2
		10-14-87	--	--	1.8	--	--	6	--	--	<2
		10-14-87	--	--	1.7	--	--	7	--	--	<2
		10-14-87	--	--	1.8	--	--	7	--	--	<2
3	06879650	10-14-87	--	--	2.0	--	--	7	--	--	<2
4	390833096332500	10-14-87	--	0.06	1.9	--	1.9	6	--	6	<2
		10-14-87	--	--	1.8	--	--	6	--	--	<2
		10-14-87	--	--	1.8	--	--	6	--	--	<2
		10-14-87	--	--	1.8	--	--	6	--	--	<2
6	06879900	10-14-87	--	--	2.1	--	--	6	--	--	<2
7	405457097071800	10-14-87	--	--	2.1	--	--	8	--	--	<2
8	405249098010000	10-15-87	--	--	2.3	--	--	8	--	--	<2
9	405221097582100	10-15-87	--	--	2.2	--	--	9	--	--	<2
10	405438097354800	10-14-87	--	--	2.1	--	--	7	--	--	<2
11	06880000	10-14-87	--	--	2.2	--	--	8	--	--	<2
13	405220097042500	10-14-87	--	--	2.0	--	--	6	--	--	<2
16	403611098200600	10-15-87	--	--	2.2	--	--	6	--	--	<2
18	403749097503400	10-15-87	--	--	2.1	--	--	6	--	--	<2
19	404327097354600	10-14-87	--	--	2.1	--	--	7	--	--	<2
20	405108097380600	10-14-87	--	--	2.2	--	--	7	--	--	<2
21	405029097322100	10-14-87	--	--	2.1	--	--	8	--	--	<2
23	06880800	10-14-87	--	--	2.1	--	--	7	--	--	<2
25	404007096583000	10-14-87	--	--	2.0	--	--	7	--	--	<2
26	06881000	10-14-87	--	--	2.1	--	--	6	--	--	<2
27	403304097311400	10-15-87	--	--	2.1	--	--	6	--	--	<2

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus, <180-micron wet sieve, field (percent) (34936)	Phosphorus, <63-micron dry sieve, laboratory (percent) (34937)	Potassium, <63-micron wet sieve, field (percent) (34940)	Potassium, <180-micron wet sieve, field (percent) (34941)	Potassium, <63-micron dry sieve, laboratory (percent) (34942)	Scandium, <63-micron wet sieve, field (ug/g) (34945)	Scandium, <180-micron wet sieve, field (ug/g) (34946)	Scandium, <63-micron dry sieve, laboratory (ug/g) (34947)	Silver, <63-micron wet sieve, field (ug/g) (34955)
28	06881200	10-14-87	--	--	2.0	--	--	9	--	--	<2
29	402348096591100	10-14-87	--	--	2.0	--	--	7	--	--	<2
30	401823096480700	10-14-87	--	--	2.1	--	--	7	--	--	<2
33	401425096412200	10-14-87	--	--	2.0	--	--	7	--	--	<2
34	400632096401600	10-14-87	--	--	1.9	--	--	8	--	--	<2
35	06882000	11-12-86	0.06	--	--	1.9	--	--	6	--	--
		11-12-86	.06	--	--	1.8	--	--	6	--	--
		10-15-87	--	--	1.9	--	--	7	--	--	<2
36	06882510	10-14-87	--	--	1.9	--	--	6	--	--	<2
		10-14-87	--	--	1.8	--	--	7	--	--	<2
		10-14-87	--	--	1.7	--	--	6	--	--	<2
		10-14-87	--	--	1.7	--	--	6	--	--	<2
38	06883000	10-15-87	--	--	2.1	--	--	5	--	--	<2
40	06883570	10-15-87	--	--	2.0	--	--	8	--	--	<2
41	401826097451100	10-15-87	--	--	2.0	--	--	6	--	--	<2
42	06883940	10-15-87	--	--	2.1	--	--	7	--	--	<2
43	400940097122000	10-15-87	--	--	1.9	--	--	6	--	--	<2
45	400519097080700	10-15-87	--	--	2.0	--	--	7	--	--	<2
46	400359097101400	10-15-87	--	--	1.9	--	--	9	--	--	<2
47	06884025	11-12-86	.05	--	--	1.9	--	--	5	--	--
		10-15-87	--	--	2.0	--	--	7	--	--	<2
49	06884400	10-14-87	--	--	1.9	--	--	8	--	--	<2
		10-14-87	--	--	1.8	--	--	8	--	--	<2
50	06885500	11-13-86	.05	--	--	1.7	--	--	6	--	--
		10-14-87	--	--	1.7	--	--	6	--	--	<2
		10-14-87	--	--	1.6	--	--	7	--	--	<2
51	06886500	10-15-87	--	0.06	1.8	--	1.7	8	--	8	<2

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus, <180-micron wet sieve, field (percent) (34936)	Phosphorus, <63-micron dry sieve, laboratory (percent) (34937)	Potassium, <63-micron wet sieve, field (percent) (34940)	Potassium, <180-micron wet sieve, field (percent) (34941)	Potassium, <63-micron dry sieve, laboratory (percent) (34942)	Scandium, <63-micron wet sieve, field (µg/g) (34945)	Scandium, <180-micron wet sieve, field (µg/g) (34946)	Scandium, <63-micron dry sieve, laboratory (µg/g) (34947)	Silver, <63-micron wet sieve, field (µg/g) (34955)
52	06887000	10-14-87	--	--	2.0	--	--	7	--	--	<2
54	391109096251000	10-15-87	--	--	1.9	--	--	6	--	--	<2
56	06888030	10-15-87	--	--	1.8	--	--	9	--	--	<2
57	06888300	10-15-87	--	0.05	1.8	--	1.8	8	--	7	<2
58	06888350	10-15-87	--	.06	1.9	--	1.9	7	--	6	<2
59	06888500	10-15-87	--	.06	2.1	--	2.1	9	--	9	<2
60	390820095571500	10-15-87	--	--	1.9	--	--	8	--	--	<2
61	06888705	10-15-87	--	--	1.9	--	--	6	--	--	<2
62	06889000	10-13-87 10-13-87	-- --	-- --	1.8 1.7	-- --	-- --	6 7	-- --	-- --	<2 <2
64	06889500	10-13-87 10-13-87	-- --	-- --	1.8 1.7	-- --	-- --	9 9	-- --	-- --	<2 <2
65	390545095394600	10-13-87	--	.10	1.8	--	1.6	8	--	7	<2

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Silver, <180-micron wet sieve, field ($\mu\text{g/g}$) (34956)	Silver, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34957)	Sodium, <63-micron wet sieve, field (percent) (34960)	Sodium, <180-micron wet sieve, field (percent) (34961)	Sodium, <63-micron dry sieve, laboratory (percent) (34962)	Strontium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34965)	Strontium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34966)	Strontium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34967)	Sulfur, <63-micron wet sieve, field ($\mu\text{g/g}$) (34970)
1	06879100	10-14-87	--	--	1.0	--	--	270	--	--	490
		10-14-87	--	--	.97	--	--	270	--	--	400
		10-14-87	--	--	.96	--	--	260	--	--	300
		10-14-87	--	--	.97	--	--	260	--	--	400
3	06879650	10-14-87	--	--	.87	--	--	390	--	--	300
4	390833096332500	10-14-87	--	<2	1.1	--	1.1	260	--	260	430
		10-14-87	--	--	1.1	--	--	250	--	--	400
		10-14-87	--	--	1.0	--	--	240	--	--	200
		10-14-87	--	--	1.0	--	--	240	--	--	300
6	06879900	10-14-87	--	--	1.2	--	--	210	--	--	290
7	405457097071800	10-14-87	--	--	1.0	--	--	190	--	--	700
8	405249098010000	10-15-87	--	--	.90	--	--	180	--	--	700
9	405221097582100	10-15-87	--	--	1.1	--	--	180	--	--	590
10	405438097354800	10-14-87	--	--	1.0	--	--	200	--	--	440
11	06880000	10-14-87	--	--	1.1	--	--	190	--	--	940
13	405220097042500	10-14-87	--	--	1.2	--	--	200	--	--	870
16	403611098200600	10-15-87	--	--	1.4	--	--	230	--	--	550
18	403749097503400	10-15-87	--	--	1.2	--	--	220	--	--	220
19	404327097354600	10-14-87	--	--	1.2	--	--	210	--	--	610
20	405108097380600	10-14-87	--	--	1.1	--	--	200	--	--	190
21	405029097322100	10-14-87	--	--	1.0	--	--	190	--	--	410
23	06880800	10-14-87	--	--	1.0	--	--	200	--	--	330
25	404007096583000	10-14-87	--	--	1.1	--	--	190	--	--	530
26	06881000	10-14-87	--	--	1.2	--	--	210	--	--	340
27	403304097311400	10-15-87	--	--	1.2	--	--	200	--	--	440

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Silver, <180-micron wet sieve, field (µg/g) (34956)	Silver, <63-micron dry sieve, laboratory (µg/g) (34957)	Sodium, <63-micron wet sieve, field (percent) (34960)	Sodium, <180-micron wet sieve, field (percent) (34961)	Sodium, <63-micron dry sieve, laboratory (percent) (34962)	Sr, <63-micron wet sieve, field (µg/g) (34965)	Sr, <180-micron wet sieve, field (µg/g) (34966)	Sr, <63-micron dry sieve, laboratory (µg/g) (34967)	Sulfur, <63-micron wet sieve, field (µg/g) (34970)
28	06881200	10-14-87	--	--	0.78	--	--	150	--	--	360
29	402348096591100	10-14-87	--	--	1.1	--	--	180	--	--	320
30	401823096480700	10-14-87	--	--	1.1	--	--	190	--	--	370
33	401425096412200	10-14-87	--	--	1.1	--	--	200	--	--	270
34	400632096401600	10-14-87	--	--	.76	--	--	190	--	--	1,000
35	06882000	11-12-86 11-12-86 10-15-87	<2 <2 --	-- -- --	-- -- 1.0	1.0 1.0 --	-- -- --	-- -- 180	180 180 --	-- -- --	-- -- 470
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- --	-- -- -- --	1.0 .95 .98 .98	-- -- -- --	-- -- -- --	170 160 160 160	-- -- -- --	-- -- -- --	220 200 300 200
38	06883000	10-15-87	--	--	1.3	--	--	230	--	--	220
40	06883570	10-15-87	--	--	.94	--	--	190	--	--	400
41	401826097451100	10-15-87	--	--	1.2	--	--	210	--	--	340
42	06883940	10-15-87	--	--	1.1	--	--	180	--	--	240
43	400940097122000	10-15-87	--	--	1.0	--	--	180	--	--	270
45	400519097080700	10-15-87	--	--	1.1	--	--	190	--	--	270
46	400359097101400	10-15-87	--	--	.82	--	--	160	--	--	370
47	06884025	11-12-86 10-15-87	<2 --	-- --	-- 1.0	1.1 --	-- --	-- 170	190 --	-- --	-- 220
49	06884400	10-14-87 10-14-87	-- --	-- --	.83 .80	-- --	-- --	210 200	-- --	-- --	480 500
50	06885500	11-13-86 10-14-87 10-14-87	<2 -- --	-- -- --	-- .92 .85	.92 -- --	-- -- --	-- 170 170	160 -- --	-- -- --	-- 250 400
51	06886500	10-15-87	--	<2	.70	--	0.69	370	--	360	1,100

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Silver, <180-micron wet sieve, field (µg/g) (349556)	Silver, dry sieve, laboratory (µg/g) (349557)	Sodium, <63-micron wet sieve, field (percent) (34960)	Sodium, <180-micron wet sieve, field (percent) (34961)	Sodium, <63-micron dry sieve, laboratory (percent) (34962)	Strontium, <63-micron wet sieve, field (µg/g) (34965)	Strontium, <180-micron wet sieve, field (µg/g) (34966)	Strontium, <63-micron dry sieve, laboratory (µg/g) (34967)	Sulfur, <63-micron wet sieve, field (µg/g) (34970)
52	06887000	10-14-87	--	--	0.92	--	--	180	--	--	210
54	391109096251000	10-15-87	--	--	1.0	--	--	250	--	--	600
56	06888030	10-15-87	--	--	.75	--	--	240	--	--	570
57	06888300	10-15-87	--	<2	.76	--	0.83	390	--	320	330
58	06888350	10-15-87	--	<2	1.0	--	1.0	250	--	250	500
59	06888500	10-15-87	--	<2	.57	--	.62	240	--	230	510
60	390820095571500	10-15-87	--	--	.78	--	--	200	--	--	260
61	06888705	10-15-87	--	--	1.0	--	--	240	--	--	410
62	06889000	10-13-87 10-13-87	-- --	-- --	.99 .91	-- --	-- --	290 290	-- --	-- --	400 500
64	06889500	10-13-87 10-13-87	-- --	-- --	.75 .70	-- --	-- --	170 190	-- --	-- --	450 400
65	390545095394600	10-13-87	--	<2	.77	--	.79	180	--	250	490

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sulfur, <63-micron dry sieve, laboratory (µg/g) (34972)	Tantalum, <63-micron wet sieve, field (µg/g) (34975)	Tantalum, <180-micron wet sieve, field (µg/g) (34976)	Thorium, <63-micron wet sieve, field (µg/g) (34980)	Thorium, <180-micron wet sieve, field (µg/g) (34981)	Thorium, <63-micron dry sieve, laboratory (µg/g) (34982)	Tin, <63-micron wet sieve, field (µg/g) (34985)	Tin, <180-micron wet sieve, field (µg/g) (34986)	Tin, <63-micron dry sieve, laboratory (µg/g) (34987)
1	06879100	10-14-87	--	<40	--	12	--	--	<10	--	--
		10-14-87	--	<40	--	12	--	--	<10	--	--
		10-14-87	--	<40	--	11	--	--	<10	--	--
		10-14-87	--	<40	--	13	--	--	<10	--	--
3	06879650	10-14-87	--	<40	--	11	--	--	<10	--	--
4	390833096332500	10-14-87	300	<40	--	11	--	12	<10	--	<10
		10-14-87	--	<40	--	12	--	--	<10	--	--
		10-14-87	--	<40	--	10	--	--	<10	--	--
		10-14-87	--	<40	--	10	--	--	<10	--	--
6	06879900	10-14-87	--	<40	--	10	--	--	<10	--	--
7	405457097071800	10-14-87	--	<40	--	10	--	--	<10	--	--
8	405249098010000	10-15-87	--	<40	--	11	--	--	<10	--	--
9	405221097582100	10-15-87	--	<40	--	13	--	--	<10	--	--
10	405438097354800	10-14-87	--	<40	--	9	--	--	<10	--	--
11	06880000	10-14-87	--	<40	--	10	--	--	<10	--	--
13	405220097042500	10-14-87	--	<40	--	8	--	--	<10	--	--
16	403611098200600	10-15-87	--	<40	--	8	--	--	<10	--	--
18	403749097503400	10-15-87	--	<40	--	9	--	--	<10	--	--
19	404327097354600	10-14-87	--	<40	--	10	--	--	<10	--	--
20	405108097380600	10-14-87	--	<40	--	11	--	--	<10	--	--
21	405029097322100	10-14-87	--	<40	--	11	--	--	<10	--	--
23	06880800	10-14-87	--	<40	--	10	--	--	<10	--	--
25	404007096583000	10-14-87	--	<40	--	11	--	--	<10	--	--
26	06881000	10-14-87	--	<40	--	10	--	--	<10	--	--
27	403304097311400	10-15-87	--	<40	--	11	--	--	<10	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sulfur, <63-micron dry sieve, laboratory (µg/g) (34972)	Tantalum, <63-micron wet sieve, field (µg/g) (34975)	Tantalum, <180-micron wet sieve, field (µg/g) (34976)	Thorium, <63-micron wet sieve, field (µg/g) (34980)	Thorium, <180-micron wet sieve, field (µg/g) (34981)	Thorium, <63-micron dry sieve, laboratory (µg/g) (34982)	Tin, <63-micron wet sieve, field (µg/g) (34985)	Tin, <180-micron wet sieve, field (µg/g) (34986)	Tin, <63-micron dry sieve, laboratory (µg/g) (34987)
28	06881200	10-14-87	--	<40	--	13	--	--	<10	--	--
29	402348096591100	10-14-87	--	<40	--	11	--	--	<10	--	--
30	401823096480700	10-14-87	--	<40	--	10	--	--	<10	--	--
33	401425096412200	10-14-87	--	<40	--	13	--	--	<10	--	--
34	400632096401600	10-14-87	--	<40	--	11	--	--	<10	--	--
35	06882000	11-12-86 11-12-86 10-15-87	-- -- --	-- -- <40	<40 <40 --	-- -- 11	15 14 --	-- -- --	-- -- <10	<10 <10 --	-- -- --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- --	<40 <40 <40 <40	-- -- -- --	12 12 12 12	-- -- -- --	-- -- -- --	<10 <10 <10 <10	-- -- -- --	-- -- -- --
38	06883000	10-15-87	--	<40	--	10	--	--	<10	--	--
40	06883570	10-15-87	--	<40	--	12	--	--	<10	--	--
41	401826097451100	10-15-87	--	<40	--	18	--	--	<10	--	--
42	06883940	10-15-87	--	<40	--	11	--	--	<10	--	--
43	400940097122000	10-15-87	--	<40	--	13	--	--	<10	--	--
45	400519097080700	10-15-87	--	<40	--	10	--	--	<10	--	--
46	400359097101400	10-15-87	--	<40	--	19	--	--	<10	--	--
47	06884025	11-12-86 10-15-87	-- --	-- <40	<40 --	-- 9	8 --	-- --	-- <10	<10 --	-- --
49	06884400	10-14-87 10-14-87	-- --	<40 <40	-- --	11 12	-- --	-- --	<10 <10	-- --	-- --
50	06885500	11-13-86 10-14-87 10-14-87	-- -- --	-- <40 <40	<40 -- --	-- 10 10	11 -- --	-- -- --	-- <10 <10	<10 -- --	-- -- --
51	06886500	10-15-87	700	<40	--	10	--	11	<10	--	<10

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sulfur, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34972)	Tantalum, <63-micron wet sieve, field ($\mu\text{g/g}$) (34975)	Tantalum, <180-micron wet sieve, field ($\mu\text{g/g}$) (34976)	Thorium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34980)	Thorium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34981)	Thorium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34982)	Tin, <63-micron wet sieve, field ($\mu\text{g/g}$) (34985)	Tin, <180-micron wet sieve, field ($\mu\text{g/g}$) (34986)	Tin, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34987)
52	06887000	10-14-87	--	<40	--	13	--	--	<10	--	--
54	391109096251000	10-15-87	--	<40	--	9	--	--	<10	--	--
56	06888030	10-15-87	--	<40	--	11	--	--	<10	--	--
57	06888300	10-15-87	300	<40	--	10	--	11	<10	--	<10
58	06888350	10-15-87	300	<40	--	13	--	10	<10	--	<10
59	06888500	10-15-87	500	<40	--	11	--	11	<10	--	<10
60	390820095571500	10-15-87	--	<40	--	11	--	--	<10	--	--
61	06888705	10-15-87	--	<40	--	10	--	--	<10	--	--
62	06889000	10-13-87 10-13-87	--	<40 <40	-- --	12 12	-- --	-- --	<10 <10	-- --	-- --
64	06889500	10-13-87 10-13-87	--	<40 <40	-- --	12 12	-- --	-- --	<10 <10	-- --	-- --
65	390545095394600	10-13-87	700	<40	--	11	--	12	<10	--	<10

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Titanium, total (µg/g) (01153)	Titanium, <180-micron wet sieve, field (percent) (34991)	Titanium, <63-micron dry sieve, laboratory (percent) (34992)	Uranium, <63-micron wet sieve, field (µg/g) (35000)	Uranium, <180-micron wet sieve, field (µg/g) (35001)	Uranium, <63-micron dry sieve, laboratory (µg/g) (35002)	Vanadium, <63-micron wet sieve, field (µg/g) (35005)	Vanadium, <180-micron wet sieve, field (µg/g) (35006)	Vanadium, <63-micron dry sieve, laboratory (µg/g) (35007)
1	06879100	10-14-87	2,900	--	--	1	--	--	75	--	--
		10-14-87	--	--	--	1	--	--	67	--	--
		10-14-87	--	--	--	1	--	--	71	--	--
		10-14-87	--	--	--	1	--	--	71	--	--
3	06879650	10-14-87	3,000	--	--	1	--	--	72	--	--
4	390833096332500	10-14-87	2,700	--	0.26	1	--	1	65	--	60
		10-14-87	--	--	--	.9	--	--	62	--	--
		10-14-87	--	--	--	.8	--	--	62	--	--
		10-14-87	--	--	--	.7	--	--	63	--	--
6	06879900	10-14-87	2,700	--	--	1	--	--	68	--	--
7	405457097071800	10-14-87	2,700	--	--	2	--	--	87	--	--
8	405249098010000	10-15-87	2,900	--	--	2	--	--	88	--	--
9	405221097582100	10-15-87	3,200	--	--	2	--	--	92	--	--
10	405438097354800	10-14-87	2,700	--	--	1	--	--	73	--	--
11	06880000	10-14-87	3,000	--	--	3	--	--	89	--	--
13	405220097042500	10-14-87	2,700	--	--	1	--	--	56	--	--
16	403611098200600	10-15-87	2,400	--	--	1	--	--	58	--	--
18	403749097503400	10-15-87	2,600	--	--	1	--	--	66	--	--
19	404327097354600	10-14-87	2,700	--	--	2	--	--	73	--	--
20	405108097380600	10-14-87	3,100	--	--	2	--	--	74	--	--
21	405029097322100	10-14-87	2,900	--	--	2	--	--	79	--	--
23	06880800	10-14-87	2,900	--	--	1	--	--	76	--	--
25	404007096583000	10-14-87	2,800	--	--	1	--	--	73	--	--
26	06881000	10-14-87	2,700	--	--	1	--	--	64	--	--
27	403304097311400	10-15-87	2,800	--	--	1	--	--	62	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Titanium, total (µg/g) (01153)	Titanium, <180-micron wet sieve, field (percent) (34991)	Titanium, <63-micron dry sieve, laboratory (percent) (34992)	Uranium, <63-micron wet sieve, field (µg/g) (35000)	Uranium, <180-micron wet sieve, field (µg/g) (35001)	Uranium, <63-micron dry sieve, laboratory (µg/g) (35002)	Vanadium, <63-micron wet sieve, field (µg/g) (35005)	Vanadium, <180-micron wet sieve, field (µg/g) (35006)	Vanadium, <63-micron dry sieve, laboratory (µg/g) (35007)
28	06881200	10-14-87	3,300	--	--	2	--	--	93	--	--
29	402348096591100	10-14-87	2,900	--	--	1	--	--	74	--	--
30	401823096480700	10-14-87	2,900	--	--	1	--	--	74	--	--
33	401425096412200	10-14-87	3,000	--	--	1	--	--	70	--	--
34	400632096401600	10-14-87	3,000	--	--	1	--	--	87	--	--
35	06882000	11-12-86 11-12-86 10-15-87	-- -- 3,000	0.31 .31 --	-- -- --	-- -- 2	<100 <100 --	-- -- --	-- 59 57	-- -- --	-- -- --
36	06882510	10-14-87 10-14-87 10-14-87 10-14-87	-- -- -- --	-- -- -- --	-- -- -- --	1 1 1 .7	-- -- -- --	-- -- -- --	65 61 56 57	-- -- -- --	-- -- -- --
38	06883000	10-15-87	2,500	--	--	1	--	--	56	--	--
40	06883570	10-15-87	2,800	--	--	1	--	--	79	--	--
41	401826097451100	10-15-87	3,400	--	--	1	--	--	58	--	--
42	06883940	10-15-87	3,100	--	--	1	--	--	78	--	--
43	400940097122000	10-15-87	3,400	--	--	2	--	--	66	--	--
45	400519097080700	10-15-87	2,800	--	--	1	--	--	70	--	--
46	400359097101400	10-15-87	3,900	--	--	2	--	--	96	--	--
47	06884025	11-12-86 10-15-87	-- 2,700	.25 --	-- --	-- 1	<100 --	-- --	-- 70	49 --	-- --
49	06884400	10-14-87 10-14-87	3,000 --	-- --	-- --	1 1	-- --	-- --	80 75	-- --	-- --
50	06885500	11-13-86 10-14-87 10-14-87	-- 3,100 --	.27 -- --	-- -- --	-- 1 .7	<100 -- --	-- -- --	-- 67 64	57 -- --	-- -- --
51	06886500	10-15-87	2,500	--	0.22	1	--	0.8	78	--	63

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Titanium, total (µg/g) (01153)	Titanium, <180-micron wet sieve, field (percent) (34991)	Titanium, <63-micron dry sieve, laboratory (percent) (34992)	Uranium, <63-micron wet sieve, field (µg/g) (35000)	Uranium, <180-micron wet sieve, field (µg/g) (35001)	Uranium, <63-micron dry sieve, laboratory (µg/g) (35002)	Vanadium, <63-micron wet sieve, field (µg/g) (35005)	Vanadium, <180-micron wet sieve, field (µg/g) (35006)	Vanadium, <63-micron dry sieve, laboratory (µg/g) (35007)
52	06887000	10-14-87	3,000	--	--	1	--	--	73	--	--
54	391109096251000	10-15-87	2,600	--	--	1	--	--	71	--	--
56	06888030	10-15-87	3,000	--	--	1	--	--	87	--	--
57	06888300	10-15-87	2,800	--	0.24	1	--	0.8	71	--	58
58	06888350	10-15-87	3,600	--	.24	1	--	.8	73	--	59
59	06888500	10-15-87	3,000	--	.24	1	--	.8	80	--	72
60	390820095571500	10-15-87	3,600	--	--	1	--	--	79	--	--
61	06888705	10-15-87	2,800	--	--	1	--	--	67	--	--
62	06889000	10-13-87 10-13-87	2,800 --	-- --	-- --	2 1	-- --	-- --	68 64	-- --	-- --
64	06889500	10-13-87 10-13-87	3,300 --	-- --	-- --	1 .8	-- --	-- --	86 77	-- --	-- --
65	390545095394600	10-13-87	3,400	--	.22	1	--	--	80	--	66

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Ytterbium, <63-micron wet sieve, field (µg/g) (35015)	Ytterbium, <180-micron wet sieve, field (µg/g) (35016)	Ytterbium, <63-micron dry sieve, laboratory (µg/g) (35017)	Ytterbium, <63-micron wet sieve, field (µg/g) (35010)	Yttrium, <180-micron wet sieve, field (µg/g) (35011)	Yttrium, <63-micron dry sieve, laboratory (µg/g) (35012)	Zinc, <63-micron wet sieve, field (µg/g) (35020)	Zinc, <180-micron wet sieve, field (µg/g) (35021)	Zinc, <63-micron dry sieve, laboratory (µg/g) (35022)
1	06879100	10-14-87	2	--	--	21	--	--	53	--	--
		10-14-87	2	--	--	19	--	--	51	--	--
		10-14-87	3	--	--	21	--	--	52	--	--
		10-14-87	3	--	--	21	--	--	53	--	--
3	06879650	10-14-87	2	--	--	20	--	--	66	--	--
4	390833096332500	10-14-87	2	--	2	20	--	20	50	--	42
		10-14-87	3	--	--	20	--	--	45	--	--
		10-14-87	2	--	--	20	--	--	45	--	--
		10-14-87	2	--	--	20	--	--	46	--	--
6	06879900	10-14-87	2	--	--	18	--	--	58	--	--
7	405457097071800	10-14-87	2	--	--	21	--	--	74	--	--
8	405249098010000	10-15-87	3	--	--	24	--	--	86	--	--
9	405221097582100	10-15-87	3	--	--	24	--	--	120	--	--
10	405438097354800	10-14-87	2	--	--	19	--	--	68	--	--
11	06880000	10-14-87	3	--	--	22	--	--	78	--	--
13	405220097042500	10-14-87	2	--	--	17	--	--	48	--	--
16	403611098200600	10-15-87	2	--	--	17	--	--	90	--	--
18	403749097503400	10-15-87	2	--	--	18	--	--	55	--	--
19	404327097354600	10-14-87	2	--	--	20	--	--	65	--	--
20	405108097380600	10-14-87	3	--	--	21	--	--	61	--	--
21	405029097322100	10-14-87	2	--	--	21	--	--	88	--	--
23	06880800	10-14-87	2	--	--	20	--	--	71	--	--
25	404007096583000	10-14-87	2	--	--	20	--	--	59	--	--
26	06881000	10-14-87	2	--	--	19	--	--	55	--	--
27	403304097311400	10-15-87	2	--	--	18	--	--	51	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Ytterbium, <63-micron wet sieve, field (µg/g) (35015)	Ytterbium, <180-micron wet sieve, field (µg/g) (35016)	Ytterbium, <63-micron dry sieve, laboratory (µg/g) (35017)	Yttrium, <63-micron wet sieve, field (µg/g) (35010)	Yttrium, <180-micron wet sieve, field (µg/g) (35011)	Yttrium, <63-micron dry sieve, laboratory (µg/g) (35012)	Zinc, <63-micron wet sieve, field (µg/g) (35020)	Zinc, <180-micron wet sieve, field (µg/g) (35021)	Zinc, <63-micron dry sieve, laboratory (µg/g) (35022)
28	06881200	10-14-87	3	--	--	24	--	--	78	--	--
29	402348096591100	10-14-87	2	--	--	20	--	--	60	--	--
30	401823096480700	10-14-87	2	--	--	19	--	--	60	--	--
33	401425096412200	10-14-87	3	--	--	22	--	--	58	--	--
34	400632096401600	10-14-87	3	--	--	21	--	--	74	--	--
35	06882000	11-12-86	--	3	--	--	22	--	--	52	--
		11-12-86	--	3	--	--	22	--	--	53	--
		10-15-87	3	--	--	21	--	--	67	--	--
36	06882510	10-14-87	3	--	--	21	--	--	47	--	--
		10-14-87	3	--	--	20	--	--	49	--	--
		10-14-87	3	--	--	20	--	--	43	--	--
		10-14-87	3	--	--	20	--	--	43	--	--
38	06883000	10-15-87	2	--	--	19	--	--	43	--	--
40	06883570	10-15-87	2	--	--	22	--	--	70	--	--
41	401826097451100	10-15-87	3	--	--	23	--	--	46	--	--
42	06883940	10-15-87	2	--	--	20	--	--	59	--	--
43	400940097122000	10-15-87	3	--	--	22	--	--	49	--	--
45	400519097080700	10-15-87	2	--	--	20	--	--	78	--	--
46	400359097101400	10-15-87	3	--	--	28	--	--	71	--	--
47	06884025	11-12-86	--	2	--	--	17	--	--	46	--
		10-15-87	2	--	--	18	--	--	65	--	--
49	06884400	10-14-87	3	--	--	21	--	--	74	--	--
		10-14-87	3	--	--	21	--	--	69	--	--
50	06885500	11-13-86	--	2	--	--	19	--	--	48	--
		10-14-87	2	--	--	20	--	--	46	--	--
		10-14-87	2	--	--	19	--	--	48	--	--
51	06886500	10-15-87	2	--	2	19	--	18	63	--	50

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Ytterbium, <63-micron wet sieve, field ($\mu\text{g/g}$) (35015)	Ytterbium, <180-micron wet sieve, field ($\mu\text{g/g}$) (35016)	Ytterbium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35017)	Yttrium, <63-micron wet sieve, field ($\mu\text{g/g}$) (35010)	Yttrium, <180-micron wet sieve, field ($\mu\text{g/g}$) (35011)	Yttrium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35012)	Zinc, <63-micron wet sieve, field ($\mu\text{g/g}$) (35020)	Zinc, <180-micron wet sieve, field ($\mu\text{g/g}$) (35021)	Zinc, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35022)
52	06887000	10-14-87	2	--	--	21	--	--	63	--	--
54	391109096251000	10-15-87	2	--	--	20	--	--	55	--	--
56	06888030	10-15-87	3	--	--	21	--	--	69	--	--
57	06888300	10-15-87	3	--	2	19	--	18	63	--	46
58	06888350	10-15-87	3	--	2	22	--	18	52	--	44
59	06888500	10-15-87	3	--	2	21	--	19	71	--	61
60	390820095571500	10-15-87	3	--	--	21	--	--	66	--	--
61	06888705	10-15-87	3	--	--	20	--	--	53	--	--
62	06889000	10-13-87 10-13-87	3 3	-- --	-- --	21 20	-- --	-- --	52 53	-- --	-- --
64	06889500	10-13-87 10-13-87	3 3	-- --	-- --	22 21	-- --	-- --	90 67	-- --	-- --
65	390545095394600	10-13-87	3	--	2	21	--	21	100	--	100

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aluminum, <63-micron wet sieve, field (percent) (34790)	Aluminum, <180-micron wet sieve, field (percent) (34791)	Aluminum, <63-micron dry sieve, laboratory (percent) (34792)	Antimony, <63-micron wet sieve, field (μg/g) (34795)	Arsenic, <63-micron wet sieve, field (μg/g) (34800)	Arsenic, <180-micron wet sieve, field (μg/g) (34801)	Arsenic, dry sieve, laboratory (μg/g) (34802)	Barium, <63-micron wet sieve, field (μg/g) (34805)	Barium, <180-micron wet sieve, field (μg/g) (34806)
68	06889635	11-14-86 11-14-86	1015 1016	-- --	6.1 6.0	-- --	-- --	-- --	<10 <10	-- --	-- --	580 580
69	390316095364600	10-13-87	1630	6.1	--	5.4	0.9	7	--	<10	600	--
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	1435 1440 1505 1510	5.3 5.0 5.0 5.0	-- -- -- --	-- -- -- --	1 .8 .8 .8	5 5 5 5	-- -- -- --	-- -- -- --	650 610 610 620	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	1320 1020 1025	-- 5.6 5.6	4.8 -- --	-- -- --	-- 1 1	-- 9 1	<10 -- --	-- -- --	-- 670 660	600 -- --
74	06890900	10-16-87	1515	7.4	--	--	3	17	--	--	800	--
75	390157095262500	10-17-87	1000	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	0905	5.5	--	--	.9	6	--	--	660	--
77	06891080	10-16-87	1430	6.9	--	--	1	7	--	--	630	--
78	06891100	10-16-87	1300	5.6	--	5.4	1	6	--	<10	650	--
79	385329095353400	10-16-87	0930	6.3	--	--	1	9	--	--	530	--
83	06891500	11-07-86 11-07-86 10-16-87	0805 0806 1515	-- -- 6.1	5.7 -- --	-- -- --	-- -- .9	-- -- 7	<10 -- --	-- -- --	-- -- 550	500 -- --
87	06892000	11-10-86 10-16-87	0840 1300	-- 6.2	5.2 --	-- 5.6	-- 1	-- 10	<10 --	-- 10	-- 660	600 --
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87 10-16-87	1315 1105 1110 1120 1125 1125	-- 6.2 5.9 5.4 5.4 5.4	4.7 -- -- -- -- --	-- -- -- -- -- --	-- 1 .9 1 .8 1	-- 8 8 6 6 6	<10 -- -- -- -- --	-- -- -- -- -- --	-- 630 610 600 610 620	650 -- -- -- -- --
89	06892500	10-13-87	1530	5.7	--	--	1	8	--	--	620	--
90	06892940	10-13-87	1215	6.4	--	5.9	3	8	--	<10	660	--
91	06892950	10-13-87	0930	6.6	--	--	1	9	--	--	620	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Barium, <63-micron dry sieve, laboratory (ug/g) (34807)	Beryllium, <63-micron wet sieve, field (ug/g) (34810)	Beryllium, <180-micron wet sieve, field (ug/g) (34811)	Beryllium, <63-micron dry sieve, laboratory (ug/g) (34812)	Bismuth, <63-micron wet sieve, field (ug/g) (34815)	Bismuth, <180-micron wet sieve, field (ug/g) (34816)	Bismuth, <63-micron dry sieve, laboratory (ug/g) (34817)	Boron, <63-micron wet sieve, field (ug/g) (34820)	Cadmium, <63-micron wet sieve, field (ug/g) (34825)	Cadmium, <180-micron wet sieve, field (ug/g) (34826)
68	06889635	11-14-86 11-14-86	-- --	-- --	2 1	-- --	-- --	<10 <10	-- --	-- --	-- --	<2 <2
69	390316095364600	10-13-87	590	2	--	2	<10	--	<10	0.8	<2	--
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	1 1 1 1	-- -- -- --	-- -- -- --	<10 <10 <10 <10	-- -- -- --	-- -- -- --	.4 .7 .8 .7	<2 <2 <2 <2	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- -- --	-- 2 2	1 -- --	-- -- --	-- <10 <10	<10 -- --	-- -- --	-- .7 2	-- <2 <2	<2 -- --
74	06890900	10-16-87	--	2	--	--	<10	--	--	.5	<2	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	2	--	--	<10	--	--	.5	<2	--
77	06891080	10-16-87	--	2	--	--	<10	--	--	.7	<2	--
78	06891100	10-16-87	630	2	--	1	<10	--	<10	.5	<2	--
79	385329095353400	10-16-87	--	2	--	--	<10	--	--	.4	<2	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- --	-- -- 2	1 -- --	-- -- --	-- -- <10	<10 -- --	-- -- --	-- -- .4	-- -- <2	<2 -- --
87	06892000	11-10-86 10-16-87	-- 640	-- 2	1 --	-- 2	-- <10	<10 --	-- <10	-- .5	-- <2	<2 --
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87 10-16-87	-- -- -- -- -- --	-- 2 2 2 2 2	<1 -- -- -- -- --	-- -- -- -- -- --	-- <10 <10 <10 <10 <10	<10 -- -- -- -- --	-- -- -- -- -- --	-- .6 2 .5 1	-- <2 <2 <2 <2	<2 -- -- -- -- --
89	06892500	10-13-87	--	2	--	--	<10	--	--	.5	<2	--
90	06892940	10-13-87	610	2	--	2	<10	--	<10	2	<2	--
91	06892950	10-13-87	--	2	--	--	<10	--	--	.9	<2	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cadmium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34827)	Calcium, <63-micron wet sieve, field (percent) (34830)	Calcium, <180-micron wet sieve, field (percent) (34831)	Calcium, <63-micron dry sieve, laboratory (percent) (34832)	Cerium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34835)	Cerium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34836)	Cerium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34837)	Chromium, <63-micron wet sieve, field ($\mu\text{g/g}$)	Chromium, <180-micron wet sieve, field ($\mu\text{g/g}$)	Chromium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$)
68	06889635	11-14-86 11-14-86	-- --	-- --	1.8 1.8	-- --	-- --	86 83	-- --	-- --	69 67	-- --
69	390316095364600	10-13-87	<2	1.5	--	1.2	82	--	84	74	--	54
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	2.8 2.7 3.3 3.2	-- -- -- --	-- -- -- --	74 59 62 61	-- -- -- --	-- -- -- --	51 40 41 40	-- -- -- --	-- -- -- --
72	068890100	11-10-86 10-16-87 10-16-87	-- -- --	-- 2.4 2.5	.78 -- --	-- -- --	-- 83 74	69 -- --	-- -- --	-- 72 65	44 -- --	-- -- --
74	068890900	10-16-87	--	1.5	--	--	79	--	--	92	--	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--	--
76	068891000	10-17-87	--	2.5	--	--	75	--	--	53	--	--
77	068891080	10-16-87	--	2.8	--	--	83	--	--	73	--	--
78	068891100	10-16-87	<2	2.5	--	2.2	70	--	64	48	--	45
79	385329095353400	10-16-87	--	1.5	--	--	92	--	--	72	--	--
83	068891500	11-07-86 11-07-86 10-16-87	-- -- --	-- -- .89	.78 -- --	-- -- --	-- -- 88	84 -- --	-- -- --	-- -- 77	66 -- --	-- -- --
87	068892000	11-10-86 10-16-87	-- <2	-- .83	.61 --	-- 1.0	-- 91	74 --	-- 72	-- 80	55 --	-- 59
88	068892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	-- -- -- -- --	-- 2.9 2.9 2.3 2.3	1.6 -- -- -- --	-- -- -- -- --	-- 67 57 65 63	91 -- -- -- --	-- -- -- -- --	-- 59 50 46 47	38 -- -- -- --	-- -- -- -- --
89	068892500	10-13-87	--	3.4	--	--	71	--	--	61	--	--
90	068892940	10-13-87	<2	1.9	--	2.1	78	--	70	93	--	78
91	068892950	10-13-87	--	3.0	--	--	120	--	--	82	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cobalt, <63-micron wet sieve, field (µg/g)	Cobalt, <180-micron wet sieve, field (µg/g)	Cobalt, dry sieve, laboratory (µg/g)	Copper, <63-micron wet sieve, field (µg/g)	Copper, <180-micron wet sieve, field (µg/g)	Copper, dry sieve, laboratory (µg/g)	Europium, <63-micron wet sieve, field (µg/g)	Europium, <180-micron wet sieve, field (µg/g)	Gallium, <63-micron wet sieve, field (µg/g)	Gallium, <180-micron wet sieve, field (µg/g)
68	06889635	11-14-86	--	17	--	--	21	--	--	<2	--	13
		11-14-86	--	16	--	--	21	--	--	<2	--	13
69	390316095364600	10-13-87	12	--	10	22	--	17	<2	--	15	--
70	390334095354300	10-13-87	8	--	--	12	--	--	<2	--	12	--
		10-13-87	8	--	--	12	--	--	<2	--	11	--
		10-13-87	8	--	--	14	--	--	<2	--	11	--
		10-13-87	8	--	--	13	--	--	<2	--	11	--
72	06890100	11-10-86	--	9	--	--	11	--	--	<2	--	10
		10-16-87	14	--	--	16	--	--	<2	--	13	--
		10-16-87	18	--	--	17	--	--	<2	--	13	--
74	06890900	10-16-87	17	--	--	28	--	--	<2	--	19	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	8	--	--	12	--	--	<2	--	13	--
77	06891080	10-16-87	12	--	--	18	--	--	<2	--	17	--
78	06891100	10-16-87	9	--	8	16	--	13	<2	--	13	--
79	385329095353400	10-16-87	14	--	--	18	--	--	<2	--	15	--
83	06891500	11-07-86	--	11	--	--	15	--	--	<2	--	13
		11-07-86	--	--	--	15	--	--	--	--	--	--
		10-16-87	12	--	--	--	--	--	<2	--	15	--
87	06892000	11-10-86	--	9	--	--	14	--	--	<2	--	12
		10-16-87	12	--	14	19	--	16	<2	--	15	--
88	06892350	11-07-86	--	6	--	--	7	--	--	<2	--	9
		10-16-87	11	--	--	17	--	--	--	--	14	--
		10-16-87	11	--	--	17	--	--	<2	--	14	--
		10-16-87	10	--	--	15	--	--	<2	--	13	--
		10-16-87	9	--	--	15	--	--	<2	--	12	--
89	06892500	10-13-87	10	--	--	32	--	--	<2	--	14	--
90	06892940	10-13-87	12	--	12	48	--	42	<2	--	15	--
91	06892950	10-13-87	13	--	--	28	--	--	<2	--	17	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Gallium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34862)	Gold, <63-micron wet sieve, field ($\mu\text{g/g}$) (34870)	Gold, <180-micron wet sieve, field ($\mu\text{g/g}$) (34871)	Holmium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34875)	Holmium, <180-micron wet sieve, field ($\mu\text{g/g}$) (34876)	Iron, <63-micron wet sieve, field (percent) (34880)	Iron, <180-micron wet sieve, field (percent) (34881)	Iron, <63-micron dry sieve, laboratory (percent) (34882)	Lanthanum, <63-micron wet sieve, field ($\mu\text{g/g}$) (34885)	Lanthanum, <180-micron wet sieve, field ($\mu\text{g/g}$) (34886)
68	06889635	11-14-86 11-14-86	-- --	-- --	<8 <8	-- --	<4 <4	-- --	2.9 2.9	-- --	-- --	43 42
69	390316095364600	10-13-87	12	<8	--	<4	--	2.9	--	2.2	45	--
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	<8 <8 <8 <8	-- -- -- --	<4 <4 <4 <4	-- -- -- --	2.0 1.8 1.9 1.9	-- -- -- --	-- -- -- --	43 33 35 35	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- -- --	-- <8 <8	<8 -- --	-- <4 <4	<4 -- --	-- 2.6 2.9	1.8 -- --	-- -- --	-- 44 35	35 -- --
74	06890900	10-16-87	--	<8	--	<4	--	4.3	--	--	42	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	<8	--	<4	--	2.0	--	--	43	--
77	06891080	10-16-87	--	<8	--	<4	--	3.1	--	--	47	--
78	06891100	10-16-87	12	<8	--	<4	--	2.1	--	1.9	40	--
79	385329095353400	10-16-87	--	<8	--	<4	--	3.2	--	--	49	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- --	-- -- <8	<8 -- --	-- -- <4	<4 -- --	-- -- 2.8	2.6 -- --	-- -- --	-- -- 48	43 -- --
87	06892000	11-10-86 10-16-87	-- 13	-- <8	<8 --	-- <4	<4 --	-- 2.9	2.1 --	-- 2.6	-- 49	38 --
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	-- -- -- -- --	-- <8 <8 <8 <8	<8 -- -- -- --	-- <4 <4 <4 <4	<4 -- -- -- --	-- 2.6 2.5 2.2 2.3	1.5 -- -- -- --	-- -- -- -- --	-- 40 33 36 35	49 -- -- -- --
89	06892500	10-13-87	--	<8	--	<4	--	2.4	--	--	39	--
90	06892940	10-13-87	13	<8	--	<4	--	3.1	--	2.7	42	--
91	06892950	10-13-87	--	<8	--	<4	--	3.3	--	--	63	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Lanthanum, <63-micron dry sieve, laboratory (µg/g) (34887)	Lead, <63-micron wet sieve, field (µg/g) (34890)	Lead, <180-micron wet sieve, field (µg/g) (34891)	Lead, <63-micron dry sieve, laboratory (µg/g) (34892)	Lithium, <63-micron wet sieve, field (µg/g) (34895)	Lithium, <180-micron wet sieve, field (µg/g) (34896)	Lithium, <63-micron dry sieve, laboratory (µg/g) (34897)	Magnesium, <63-micron wet sieve, field (percent) (34900)	Magnesium, <180-micron wet sieve, field (percent) (34901)	Magnesium, <63-micron dry sieve, laboratory (percent) (34902)
68	06889635	11-14-86 11-14-86	-- --	-- --	120 110	-- --	-- --	35 35	-- --	-- --	0.62 .62	-- --
69	390316095364600	10-13-87	36	51	--	53	32	--	26	0.59	--	0.47
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	21 19 18 16	-- -- -- --	-- -- -- --	24 22 23 23	-- -- -- --	-- -- -- --	.59 .54 .57 .57	-- -- -- --	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- -- --	-- 31 30	16 -- --	-- -- --	-- 30 32	22 -- --	-- -- --	-- .64 .66	.39 -- --	-- -- --
74	06890900	10-16-87	--	34	--	--	42	--	--	.73	--	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	21	--	--	24	--	--	.60	--	--
77	06891080	10-16-87	--	22	--	--	36	--	--	.85	--	--
78	06891100	10-16-87	36	20	--	18	26	--	23	.63	--	.55
79	385329095353400	10-16-87	--	24	--	--	41	--	--	.63	--	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- --	-- -- 20	18 -- --	-- -- --	-- -- 32	32 -- --	-- -- --	-- -- .54	.48 -- --	-- -- --
87	06892000	11-10-86 10-16-87	-- 36	-- 27	17 --	-- 24	-- 33	26 --	-- 28	-- .55	.39 --	-- .46
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87 10-16-87	-- -- -- -- -- --	-- 24 20 19 19	14 -- -- -- -- --	-- -- -- -- -- --	-- 33 32 28 28	17 -- -- -- -- --	-- -- -- -- -- --	-- .80 .75 .62 .63	.35 -- -- -- -- --	-- -- -- -- -- --
89	06892500	10-13-87	--	42	--	--	27	--	--	.66	--	--
90	06892940	10-13-87	36	61	--	55	39	--	34	.74	--	.65
91	06892950	10-13-87	--	32	--	--	34	--	--	.83	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Manganese, <63-micron wet sieve, field ($\mu\text{g/g}$) (34905)	Manganese, <180-micron wet sieve, field ($\mu\text{g/g}$) (34906)	Manganese, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34907)	Mercury, <63-micron wet sieve, field ($\mu\text{g/g}$) (34910)	Mercury, <63-micron dry sieve, field ($\mu\text{g/g}$) (34912)	Molybdenum, <63-micron wet sieve, field ($\mu\text{g/g}$) (34915)	Molybdenum, <180-micron wet sieve, field ($\mu\text{g/g}$) (34916)	Molybdenum, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (34917)	Neodymium, <63-micron wet sieve, field ($\mu\text{g/g}$) (34920)
68	06889635	11-14-86 11-14-86	-- --	1,000 1,000	-- --	-- --	-- --	-- --	<2 <2	-- --	-- --
69	390316095364600	10-13-87	700	--	510	0.04	0.10	<2	--	<2	40
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	410 400 430 430	-- -- -- --	-- -- -- --	<.02 .04 .02 .04	-- -- -- --	<2 <2 <2 <2	-- -- -- --	-- -- -- --	35 29 31 31
72	06890100	11-10-86 10-16-87 10-16-87	-- 1,200 1,500	680 -- --	-- -- --	-- .02 .04	-- -- --	-- <2 <2	<2 -- --	-- -- --	-- 37 35
74	06890900	10-16-87	1,200	--	--	.08	--	<2	--	--	36
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	460	--	--	.02	--	<2	--	--	37
77	06891080	10-16-87	710	--	--	<.02	--	<2	--	--	40
78	06891100	10-16-87	500	--	450	.02	.04	<2	--	<2	34
79	385329095353400	10-16-87	600	--	--	.02	--	<2	--	--	43
83	06891500	11-07-86 11-07-86 10-16-87	-- -- 820	610 -- --	-- -- --	-- -- .02	-- -- --	-- -- <2	<2 -- --	-- -- --	-- -- 42
87	06892000	11-10-86 10-16-87	-- 1,000	680 --	-- 1,500	-- .02	-- .06	-- <2	<2 --	-- <2	-- 43
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87 10-16-87	-- 680 640 500 530	320 -- -- -- --	-- -- -- -- --	-- .02 .06 .06 .06	-- -- -- -- --	-- <2 <2 <2 <2	<2 -- -- -- --	-- -- -- -- --	-- 32 30 33 32
89	06892500	10-13-87	570	--	--	.02	--	<2	--	--	34
90	06892940	10-13-87	500	--	550	.20	.4	<2	--	<2	35
91	06892950	10-13-87	760	--	--	.10	--	<2	--	--	55

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Neodymium, <63-micron wet sieve, field (µg/g) (34921)	Neodymium, <63-micron laboratory (µg/g) (34922)	Nickel, <63-micron wet sieve, field (µg/g) (34925)	Nickel, <180-micron wet sieve, field (µg/g) (34926)	Nickel, <63-micron dry sieve, laboratory (µg/g) (34927)	Niobium, <63-micron wet sieve, field (µg/g) (34930)	Niobium, <180-micron wet sieve, field (µg/g) (34931)	Niobium, <63-micron dry sieve, laboratory (µg/g) (34932)	Phosphorus, <63-micron wet sieve, field (percent) (34935)
68	06889635	11-14-86 11-14-86	37 37	-- --	-- --	32 33	-- --	-- --	6 9	-- --	-- --
69	390316095364600	10-13-87	--	30	25	--	22	5	--	<4	0.08
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	-- -- -- --	18 16 17 17	-- -- -- --	-- -- -- --	<4 <4 <4 <4	-- -- -- --	-- -- -- --	.05 .05 .06 .06
72	06890100	11-10-86 10-16-87 10-16-87	29 -- --	-- -- --	-- 28 31	18 -- --	-- -- --	-- -- 6	5 -- --	-- -- --	-- .07 .09
74	06890900	10-16-87	--	--	37	--	--	5	--	--	.13
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	--	17	--	--	<4	--	--	.05
77	06891080	10-16-87	--	--	26	--	--	<4	--	--	.07
78	06891100	10-16-87	--	30	18	--	18	6	--	<4	.06
79	385329095353400	10-16-87	--	--	28	--	--	6	--	--	.07
83	06891500	11-07-86 11-07-86 10-16-87	39 -- --	-- -- --	-- -- 26	29 -- --	-- -- --	-- -- 12	<4 -- --	-- -- --	-- -- .06
87	06892000	11-10-86 10-16-87	34 --	-- 31	-- 29	22 --	-- 27	-- <4	5 --	-- 5	-- .05
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	40 -- -- -- --	-- -- -- -- --	-- 24 22 19 19	11 -- -- -- --	-- -- -- -- --	-- 5 6 4 4	<4 -- -- -- --	-- -- -- -- --	-- .07 .07 .06 .06
89	06892500	10-13-87	--	--	22	--	--	<4	--	--	.08
90	06892940	10-13-87	--	30	33	--	32	7	--	8	.18
91	06892950	10-13-87	--	--	30	--	--	<4	--	--	.07

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Phosphorus, <180-micron wet sieve, field (percent) (34936)	Phosphorus, <63-micron dry sieve, laboratory (percent) (34937)	Potassium, <63-micron wet sieve, field (percent) (34940)	Potassium, <180-micron wet sieve, field (percent) (34941)	Potassium, <63-micron dry sieve, laboratory (percent) (34942)	Scandium, <63-micron wet sieve, field (μg/g) (34945)	Scandium, <180-micron wet sieve, field (μg/g) (34946)	Scandium, <63-micron dry sieve, laboratory (μg/g) (34947)	Silver, <63-micron wet sieve, field (μg/g) (34955)
68	06889635	11-14-86 11-14-86	0.08 .08	-- --	-- --	1.6 1.6	-- --	-- --	9 9	-- --	-- --
69	390316095364600	10-13-87	--	0.06	1.8	--	1.7	9	--	7	<2
70	3903334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	-- -- -- --	1.9 1.8 1.7 1.8	-- -- -- --	-- -- -- --	6 6 6 7	-- -- -- --	-- -- -- --	<2 <2 <2 <2
72	06890100	11-10-86 10-16-87 10-16-87	.05 -- --	-- -- --	-- 1.7 1.6	1.5 -- --	-- -- --	-- 8 9	6 -- --	-- -- --	-- <2 <2
74	06890900	10-16-87	--	--	1.8	--	--	11	--	--	<2
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	--	1.9	--	--	6	--	--	<2
77	06891080	10-16-87	--	--	2.0	--	--	10	--	--	<2
78	06891100	10-16-87	--	.06	1.9	--	1.9	7	--	7	<2
79	385329095353400	10-16-87	--	--	1.8	--	--	9	--	--	<2
83	06891500	11-07-86 11-07-86 10-16-87	.06 -- --	-- -- --	-- -- 1.8	1.6 -- --	-- -- --	-- -- 9	8 -- --	-- -- --	-- -- <2
87	06892000	11-10-86 10-16-87	.05 --	-- .07	-- 1.7	1.5 --	-- 1.6	-- 9	7 --	-- 8	-- <2
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	.04 -- -- -- --	-- -- -- -- --	-- 1.9 1.8 1.8 1.8	1.8 -- -- -- --	-- -- -- -- --	-- 8 9 8 8	5 -- -- -- --	-- -- -- -- --	-- <2 <2 <2 <2
89	06892500	10-13-87	--	--	1.9	--	--	8	--	--	<2
90	06892940	10-13-87	--	.18	1.9	--	1.9	9	--	9	8
91	06892950	10-13-87	--	--	1.9	--	--	10	--	--	<2

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Silver, <180-micron wet sieve, field (µg/g) (34956)	Silver, <63-micron dry sieve, laboratory (µg/g) (34957)	Sodium, <63-micron wet sieve, field (percent) (34960)	Sodium, <180-micron wet sieve, field (percent) (34961)	Sodium, <63-micron dry sieve, laboratory (percent) (34962)	Sr, <63-micron wet sieve, field (µg/g) (34965)	Sr, <180-micron wet sieve, field (µg/g) (34966)	Sr, <63-micron dry sieve, laboratory (µg/g) (34967)	Sulfur, <63-micron wet sieve, field (µg/g) (34970)
68	06889635	11-14-86 11-14-86	<2 <2	-- --	-- --	0.76 .77	-- --	-- --	150 150	-- --	-- --
69	390316095364600	10-13-87	--	<2	0.82	--	0.91	150	--	150	660
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	-- -- -- --	1.0 .98 .94 .95	-- -- -- --	-- -- -- --	250 230 250 250	-- -- -- --	-- -- -- --	310 300 300 400
72	06890100	11-10-86 10-16-87 10-16-87	<2 -- --	-- -- --	-- .80 .69	.89 -- --	-- -- --	-- 210 200	140 -- --	-- -- --	-- 530 700
74	06890900	10-16-87	--	--	.59	--	--	150	--	--	950
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	--	1.0	--	--	240	--	--	360
77	06891080	10-16-87	--	--	.76	--	--	220	--	--	540
78	06891100	10-16-87	--	<2	.98	--	.99	230	--	220	390
79	385329095353400	10-16-87	--	--	.80	--	--	140	--	--	460
83	06891500	11-07-86 11-07-86 10-16-87	<2 -- --	-- -- --	-- -- .76	.76 -- --	-- -- --	-- -- 130	110 -- --	-- -- --	-- -- 190
87	06892000	11-10-86 10-16-87	<2 --	<2	-- .76	.81 --	-- .75	130	120 --	-- 130	-- 240
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	<2 -- -- -- --	-- -- -- -- --	-- .79 .77 .86 .85	1.1 -- -- -- --	-- -- -- -- --	230 210 200 200	210 -- -- -- --	-- -- -- -- --	-- 460 300 400 400
89	06892500	10-13-87	--	--	.87	--	--	240	--	--	690
90	06892940	10-13-87	--	7	.80	--	.75	180	--	170	690
91	06892950	10-13-87	--	--	.70	--	--	210	--	--	480

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Sulfur, <63-micron dry sieve, laboratory (µg/g) (34972)	Tantalum, <63-micron wet sieve, field (µg/g) (34975)	Tantalum, <180-micron wet sieve, field (µg/g) (34976)	Thorium, <63-micron wet sieve, field (µg/g) (34980)	Thorium, <180-micron wet sieve, field (µg/g) (34981)	Thorium, <63-micron dry sieve, laboratory (µg/g) (34982)	Tin, <63-micron wet sieve, field (µg/g) (34985)	Tin, <180-micron wet sieve, field (µg/g) (34986)	Tin, <63-micron dry sieve, laboratory (µg/g) (34987)
68	06889635	11-14-86 11-14-86	-- --	-- --	<40 <40	-- --	12 13	-- --	-- --	<10 <10	-- --
69	390316095364600	10-13-87	300	<40	--	12	--	11	<10	--	<10
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	-- -- -- --	<40 <40 <40 <40	-- -- -- --	12 10 11 11	-- -- -- --	-- -- -- --	<10 <10 <10 <10	-- -- -- --	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- -- --	-- <40 <40	<40 -- --	-- 11 11	9 -- --	-- -- --	-- <10 <10	<10 -- --	-- -- --
74	06890900	10-16-87	--	<40	--	13	--	--	<10	--	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	--	<40	--	11	--	--	<10	--	--
77	06891080	10-16-87	--	<40	--	14	--	--	<10	--	--
78	06891100	10-16-87	400	<40	--	10	--	12	<10	--	<10
79	385329095353400	10-16-87	--	<40	--	13	--	--	<10	--	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- --	-- -- <40	<40 -- --	-- -- 14	12 -- --	-- -- --	-- -- <10	<10 -- --	-- -- --
87	06892000	11-10-86 10-16-87	-- 200	-- <40	<40 --	-- 12	11 --	-- 11	-- <10	<10 --	-- <10
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	-- -- -- -- --	-- <40 <40 <40 <40	<40 -- -- -- --	-- 11 11 11 11	12 -- -- -- --	-- -- -- -- --	-- <10 <10 <10 <10 <10	<10 -- -- -- -- --	-- -- -- -- --
89	06892500	10-13-87	--	<40	--	11	--	--	<10	--	--
90	06892940	10-13-87	700	<40	--	10	--	10	<10	--	<10
91	06892950	10-13-87	--	<40	--	19	--	--	<10	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Titanium, total (µg/g) (01153)	Titanium, wet sieve, field (percent) (34991)	Titanium, <63-micron dry sieve, laboratory (percent) (34992)	Uranium, <63-micron wet sieve, field (µg/g) (35000)	Uranium, <180-micron wet sieve, field (µg/g) (35001)	Uranium, <63-micron dry sieve, laboratory (µg/g) (35002)	Vanadium, <63-micron wet sieve, field (µg/g) (35005)	Vanadium, <180-micron wet sieve, field (µg/g) (35006)	Vanadium, <63-micron dry sieve, laboratory (µg/g) (35007)
68	06889635	11-14-86 11-14-86	-- --	0.32 .28	-- --	-- --	<100 <100	-- --	-- --	74 73	-- --
69	390316095364600	10-13-87	3,400	--	0.26	1	--	0.7	81	--	63
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	2,600 -- -- --	-- -- -- --	-- -- -- --	1 .8 1 1	-- -- -- --	-- -- -- --	67 59 63 63	-- -- -- --	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- 2,900 --	.27 -- --	-- -- --	-- 1 .8	<100 -- --	-- -- --	-- 82 85	54 -- --	-- -- --
74	06890900	10-16-87	3,400	--	--	2	--	--	120	--	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	2,900	--	--	1	--	--	69	--	--
77	06891080	10-16-87	3,200	--	--	2	--	--	100	--	--
78	06891100	10-16-87	2,800	--	.24	1	--	2	71	--	64
79	385329095353400	10-16-87	3,100	--	--	1	--	--	82	--	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- 3,900	.28 -- --	-- -- --	-- -- 2	<100 -- --	-- -- --	-- -- 84	69 -- --	-- -- --
87	06892000	11-10-86 10-16-87	-- 3,200	.29 --	-- .26	-- 1	<100 --	-- 1	-- 91	65 --	-- 79
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	-- 2,800 -- -- --	.29 -- -- -- --	-- -- -- -- --	-- 1 1 1 1	<100 -- -- -- --	-- -- -- -- --	-- 88 83 74 74	44 -- -- -- --	-- -- -- -- --
89	06892500	10-13-87	2,800	--	--	1	--	--	81	--	--
90	06892940	10-13-87	3,300	--	.27	1	--	1	92	--	81
91	06892950	10-13-87	3,500	--	--	2	--	--	110	--	--

Table 11. Concentrations of selected chemical elements in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Ytterbium, <63-micron wet sieve, field ($\mu\text{g/g}$) (35015)	Ytterbium, <180-micron wet sieve, field ($\mu\text{g/g}$) (35016)	Ytterbium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35017)	Yttrium, <63-micron wet sieve, field ($\mu\text{g/g}$) (35010)	Yttrium, <180-micron wet sieve, field ($\mu\text{g/g}$) (35011)	Yttrium, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35012)	Zinc, <63-micron wet sieve, field ($\mu\text{g/g}$) (35020)	Zinc, <180-micron wet sieve, field ($\mu\text{g/g}$) (35021)	Zinc, <63-micron dry sieve, laboratory ($\mu\text{g/g}$) (35022)
68	06889635	11-14-86 11-14-86	-- --	3 3	-- --	-- --	21 21	-- --	-- --	140 140	-- --
69	390316095364600	10-13-87	3	--	2	22	--	19	110	--	85
70	390334095354300	10-13-87 10-13-87 10-13-87 10-13-87	2 2 2 2	-- -- -- --	-- -- -- --	20 18 20 19	-- -- -- --	-- -- -- --	54 48 51 51	-- -- -- --	-- -- -- --
72	06890100	11-10-86 10-16-87 10-16-87	-- 2 3	2 -- --	-- -- --	-- 21 22	18 -- --	-- -- --	-- 65 66	46 -- --	-- -- --
74	06890900	10-16-87	3	--	--	23	--	--	96	--	--
75	390157095262500	10-17-87	--	--	--	--	--	--	--	--	--
76	06891000	10-17-87	3	--	--	20	--	--	56	--	--
77	06891080	10-16-87	3	--	--	23	--	--	82	--	--
78	06891100	10-16-87	2	--	2	19	--	18	58	--	50
79	385329095353400	10-16-87	3	--	--	22	--	--	75	--	--
83	06891500	11-07-86 11-07-86 10-16-87	-- -- 3	2 -- --	-- -- --	-- -- 22	20 -- --	-- -- --	-- -- 71	73 -- --	-- -- --
87	06892000	11-10-86 10-16-87	-- 3	2 --	-- 2	-- 22	19 --	-- 20	-- 74	61 --	-- 61
88	06892350	11-07-86 10-16-87 10-16-87 10-16-87 10-16-87	-- 3 2 3 3	2 -- -- -- --	-- -- -- -- --	-- 21 21 20 20	19 -- -- -- --	-- -- -- -- --	-- 76 69 59 59	40 -- -- -- --	-- -- -- -- --
89	06892500	10-13-87	2	--	--	21	--	--	77	--	--
90	06892940	10-13-87	3	--	2	20	--	19	200	--	180
91	06892950	10-13-87	3	--	--	27	--	--	100	--	--

Table 12. Concentrations of radioactivity in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. µg/L, micrograms per liter; pCi/L, picocuries per liter; <, less than]

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Gross alpha, dissolved (µg/L as U natural) (80030)	Gross alpha, suspended, total (µg/L as U natural) (80040)	Gross beta, dissolved (pCi/L as CS-137) (03515)	Gross beta, suspended, total (pCi/L as CS-137) (03516)	Gross beta, dissolved (pCi/L as strontium-90/ yttrium-90) (80050)	Gross beta, suspended, total (pCi/L as strontium-90/ yttrium-90) (80060)
1	06879100	07-21-87	0930	<0.4	<0.4	1.2	<0.4	0.9	<0.4
		10-20-87	1100	6.8	1.0	6.5	2.2	4.8	2.1
		01-22-88	1005	4.1	1.5	15	3.7	10	3.5
		04-20-88	1120	.5	.6	13	1.0	9.0	1.0
		07-06-88	0855	4.4	11	14	9.5	9.5	8.3
3	06879650	10-07-88	1230	13	<.4	18	1.3	12	1.3
		01-27-89	1015	11	.5	16	1.4	11	1.4
		04-24-89	1035	6.4	1.1	19	2.4	12	2.3
		07-21-87	1145	1.3	.4	9.2	1.4	7.0	1.4
23	06880800	01-19-88	1110	1.3	<.4	1.8	<.4	1.3	<.4
		04-18-88	1535	1.4	<.4	1.4	<.4	1.0	<.4
		07-15-87	1100	4.1	<.4	17	.9	13	.9
		10-05-87	1120	5.1	1.3	12	2.2	8.8	2.2
		02-22-88	1100	2.3	<.4	15	1.2	11	1.2
		05-24-88	1130	2.8	27	15	22	11	19
		08-08-88	1115	6.4	4.0	20	4.7	15	4.1
35	06882000	11-07-88	1200	5.5	.8	13	2.3	9.8	2.3
		07-14-87	1200	6.8	.5	13	3.1	9.9	2.8
		10-05-87	1200	4.5	1.9	13	4.3	9.6	4.0
		02-23-88	1130	5.1	.6	11	1.2	8.1	1.2
		05-24-88	1005	2.7	6.3	37	7.7	27	7.1
47	06884025	08-09-88	0915	4.2	7.8	15	2.0	11	1.9
		11-08-88	1200	4.9	1.1	13	2.4	9.4	2.3
		07-21-87	1100	4.7	3.9	13	3.6	9.6	3.2
		10-13-87	1115	5.0	.6	7.9	1.5	5.9	1.4

Table 12. Concentrations of radioactivity in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Gross alpha, dissolved ($\mu\text{g/L}$ as U natural) (80030)	Gross alpha, suspended, total ($\mu\text{g/L}$ as U natural) (80040)	Gross beta, dissolved (pCi/L as CS-137) (03515)	Gross beta, suspended, total (pCi/L as CS-137) (03516)	Gross beta, dissolved (pCi/L as strontium/ yttrium-90) (80050)	Gross beta, suspended, total (pCi/L as strontium/ yttrium-90) (80060)
47	06884025	02-03-88	1300	3.7	0.6	12	2.2	8.7	2.0
		04-26-88	1015	4.0	2.5	7.4	3.0	5.5	2.7
		08-09-88	1135	2.5	2.5	13	2.8	9.5	2.6
		11-09-88	1200	4.9	.8	9.5	1.0	7.1	.9
50	06885500	07-20-87	1330	6.6	1.3	16	2.1	11	2.0
		10-20-87	1120	2.4	.7	6.3	1.8	4.8	1.8
		01-19-88	1100	8.5	1.3	4.6	2.0	3.3	1.9
		04-18-88	1115	8.1	1.5	4.8	2.5	3.6	2.4
		07-05-88	1100	3.9	4.5	6.8	5.6	5.1	5.0
		10-06-88	1110	4.3	1.2	6.5	2.5	4.9	2.4
52	06887000	01-26-89	1120	3.1	<.4	3.9	.8	2.7	.7
		04-25-89	0915	4.8	2.6	5.6	3.2	4.1	2.8
		07-20-87	1630	2.9	<.4	3.6	.4	2.7	.5
		10-20-87	1315	4.1	.6	8.0	.9	6.1	.9
		01-20-88	0825	3.9	<.4	8.9	.7	6.5	.7
		04-18-88	1150	3.0	.5	7.4	.7	5.6	.7
		07-05-88	1545	4.7	.8	10	1.1	7.4	1.1
		10-07-88	0830	3.2	.7	11	2.2	8.5	2.2
59	06888500	01-26-89	1535	3.2	<.4	11	1.2	8.1	1.2
		04-24-89	1425	7.0	.5	11	.7	8.2	.7
		07-20-87	1005	8.1	<.4	15	1.1	11	1.0
		10-20-87	1445	1.0	.6	6.3	1.5	4.4	1.5
		01-19-88	1345	2.3	<.4	2.7	<.4	2.0	<.4
		04-18-88	1445	1.1	<.4	1.9	.6	1.4	.5
		07-06-88	1520	2.5	1.1	4.7	1.4	3.5	1.4
		10-04-88	1020	2.2	.7	3.9	1.5	2.9	1.5
		01-24-89	1345	2.5	<.4	4.6	.4	3.5	.4
		04-20-89	1220	4.5	<.4	6.4	.9	4.7	.9

Table 12. Concentrations of radioactivity in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Gross alpha, dissolved (µg/L as U natural) (80030)	Gross alpha, suspended, total (µg/L as U natural) (80040)	Gross beta, dissolved (pCi/L as CS-137) (03515)	Gross beta, suspended, total (pCi/L as CS-137) (03516)	Gross beta, dissolved (pCi/L as strontium-90) yttrium-90) (80050)	Gross beta, suspended, total (pCi/L as strontium-90) yttrium-90) (80060)
64	06889000	07-22-87	1020	3.1	<0.4	14	0.4	10	0.4
		10-20-87	1330	<4	.9	11	2.3	8.4	2.2
		01-19-88	1000	4.6	4.1	12	3.7	7.7	3.3
		04-18-88	1340	4.7	.7	9.9	1.5	6.8	1.4
		07-07-88	0930	4.0	1.3	13	2.2	8.8	2.0
72	06890100	10-04-88	1450	9.1	.8	16	2.1	11	2.0
		01-24-89	0940	7.5	<4	13	1.1	9.0	1.0
		04-20-89	0840	3.2	1.3	15	2.3	9.8	2.1
		07-29-87	1045	4.4	.6	6.5	1.9	4.8	1.8
		10-21-87	0945	7.1	<4	7.1	.6	5.3	.6
74	06890900	01-20-88	1045	4.1	2.2	5.1	6.0	3.9	5.2
		04-20-88	1030	5.0	.6	5.8	1.6	4.3	1.6
		07-13-88	0915	3.9	1.4	9.3	2.5	6.5	2.3
		10-05-88	1000	3.8	<4	6.9	1.6	5.2	1.5
		01-25-89	1215	5.2	1.0	6.1	1.6	4.4	1.6
74	06890900	04-19-89	0920	2.9	1.3	8.6	1.3	5.9	1.3
		07-29-87	0915	1.1	.9	5.2	<4	3.9	<4
		10-21-87	0840	2.4	<4	4.4	.9	3.4	.9
		01-20-88	0915	3.5	<4	5.9	.5	4.5	.5
		04-20-88	0915	1.2	<4	4.5	.5	3.3	.5
83	06891500	07-13-88	1245	.6	1.4	4.7	1.8	3.4	1.8
		10-05-88	1300	1.9	<4	6.1	.8	4.5	.8
		01-25-89	0840	1.6	<4	5.3	.9	3.9	.9
		04-19-89	1230	3.2	.5	6.0	1.2	4.3	1.2
		07-29-87	1220	.7	.7	4.6	<4	3.4	<4
83	06891500	10-21-87	1130	3.1	1.0	5.9	1.5	4.5	1.4
		01-20-88	1215	2.1	2.0	3.8	2.9	2.9	2.7
		04-20-88	1245	2.5	1.5	4.6	2.0	3.4	1.9
		07-13-88	1445	.9	7.0	4.9	4.5	3.8	4.0

Table 12. Concentrations of radioactivity in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Gross alpha, dissolved ($\mu\text{g/L}$ as U natural) (80030)	Gross alpha, suspended, total ($\mu\text{g/L}$ as U natural) (80040)	Gross beta, dissolved (pCi/L as CS-137) (03515)	Gross beta, suspended, total (pCi/L as CS-137) (03516)	Gross beta, dissolved (pCi/L as strontium-90) yttrium-90) (80050)	Gross beta, suspended, total (pCi/L as strontium-90) yttrium-90) (80060)
83	06891500	10-05-88	1500	1.8	1.0	5.3	1.8	4.2	1.8
		01-25-89	1600	1.6	6.3	2.5	5.3	1.8	4.6
		04-19-89	1445	1.8	2.2	5.2	3.4	3.9	3.2
88	06892350	07-22-87	1340	4.8	<.4	6.1	<.4	4.6	<.4
		10-20-87	1000	4.1	2.0	17	3.2	11	3.0
		01-19-88	1515	1.5	1.2	13	2.0	8.5	1.9
		04-18-88	0945	2.9	1.4	8.5	2.0	6.0	1.8
		07-07-88	1330	3.5	7.8	11	6.9	8.1	6.2
		10-03-88	1020	4.3	.8	13	2.2	9.1	2.1
		01-23-89	1140	1.9	.7	13	1.4	8.6	1.4
		04-18-89	1255	5.0	1.3	14	2.0	10	1.9

Table 13. Concentrations of organic carbon in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. The variation of exceedance values for suspended organic-carbon analyses results from processing variable volumes of water to produce the filtrate needed for analysis.
mg/L, milligrams per liter; --, not determined; >, greater than; <, less than]

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
1	06879100	05-14-87	1120	--	5.7	1.0
		06-03-87	1145	--	5.4	2.9
		06-22-87	1445	--	5.4	6.8
		07-21-87	0930	--	5.7	3.2
		08-18-87	1045	--	5.8	>5.0
		09-21-87	1000	--	5.8	2.4
		09-29-87	1000	6.3	--	--
		10-20-87	1100	--	6.0	.3
		11-23-87	1045	--	6.0	1.1
		12-21-87	1100	--	13	--
		01-22-88	1005	--	5.2	.3
		02-16-88	1030	--	4.7	1.9
		03-14-88	1030	--	6.0	1.9
		04-20-88	1120	--	5.6	2.3
		05-17-88	1230	--	5.7	.6
		06-09-88	1200	--	4.5	1.4
		07-06-88	0855	--	5.6	9.6
		07-27-88	1300	15	--	--
		08-11-88	0940	--	5.1	3.3
		09-02-88	0920	--	4.4	2.4
		10-07-88	1230	--	4.4	3.1
		11-04-88	1315	--	4.5	1.5
		11-15-88	1205	10	--	--
		12-16-88	0910	--	3.6	.4
		01-27-89	1015	--	4.4	.6
		02-17-89	1210	--	4.1	.6
		03-08-89	1000	5.2	--	--
		03-17-89	1000	--	4.7	2.4
		04-24-89	1035	--	5.3	--
		05-16-89	0815	--	5.0	4.5

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
1	06879100	05-25-89	1100	--	5.9	>25
		06-01-89	1010	9.9	--	--
		06-15-89	1005	--	5.0	>25
		07-11-89	0830	--	6.0	12
		08-18-89	0835	--	5.1	3.3
		09-11-89	1045	--	7.4	25
		10-02-89	1030	--	6.1	2.1
		11-17-89	0900	--	4.8	2.1
		12-19-89	1115	--	4.9	.4
		01-10-90	1420	--	4.1	.6
		02-09-90	0910	--	4.5	.4
		03-23-90	1040	--	5.7	2.1
		04-27-90	1200	--	4.6	1.3
2	390255096435000	09-29-87	1200	5.0	--	--
		07-27-88	1150	5.9	--	--
		11-15-88	1050	5.5	--	--
		03-08-89	1140	2.8	--	--
		06-01-89	0830	5.6	--	--
		05-20-87	1025	--	1.2	.1
		05-27-87	0950	--	8.3	>5.0
3	06879650	06-22-87	1040	--	1.6	.2
		07-21-87	1145	--	3.0	.3
		01-19-88	1110	--	1.1	.1
		02-16-88	1400	--	1.3	.1
		03-14-88	1500	--	2.6	.5
		04-18-88	1535	--	1.3	.1
		05-17-88	1015	--	2.1	.2
		06-09-88	1300	--	1.6	.1
		09-08-89	2150	29	--	--
		09-08-89	2205	93	--	--
		09-08-89	2250	33	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
3	06879650	09-09-89	0020	13	--	--
		09-09-89	0235	8.5	--	--
		09-09-89	0500	6.6	--	--
		09-09-89	0715	6.3	--	--
		09-11-89	1520	--	2.7	0.2
		10-03-89	0855	--	1.5	.2
		11-17-89	1315	--	1.3	.2
		12-15-89	1305	--	1.2	.2
		02-13-90	1030	--	1.4	<.1
		03-13-90	2055	--	9.8	>50
5	06879820	03-13-90	2140	--	7.2	46
		03-13-90	2355	--	7.0	3.4
		03-20-90	1130	--	1.4	.1
		04-27-90	1715	--	1.4	.1
		09-29-87	1515	6.4	--	--
		07-24-88	1020	8.6	--	--
		11-16-88	0850	7.7	--	--
		03-09-89	0930	8.2	--	--
		06-02-89	0820	7.6	--	--
		09-28-87	1250	14	--	--
6	06879900	07-26-88	0730	16	--	--
		11-14-88	1200	14	--	--
		03-08-89	1015	17	--	--
		05-31-89	1445	15	--	--
		09-29-87	1045	26	--	--
		07-26-88	0945	9.0	--	--
		11-15-88	0815	25	--	--
		03-07-89	1015	54	--	--
		05-31-89	0930	26	--	--
		09-28-87	1150	7.6	--	--
10	405438097354800	07-26-88	0900	11	--	--

Table 13. *Concentrations of organic carbon in water--Continued*

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
10	405438097354800	11-14-88 03-07-89 05-31-89	1345 1000 1330	20 24 11	-- -- --	-- -- --
11	06880000	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1350 0845 1050 1215 1600	10 22 3.5 14 7.1	-- -- -- -- --	-- -- -- -- --
12	06880500	09-28-87 07-26-88 11-14-88 03-08-89	1425 1000 0845 1130	9.7 29 6.6 9.9	-- -- -- --	-- -- -- --
16	403611098200600	09-29-87 07-26-88 11-15-88 03-07-89 05-30-89	1545 0630 1015 1600 1145	15 9.2 18 18 15	-- -- -- -- --	-- -- -- -- --
17	404247097580600	09-29-87 07-25-88 11-15-88 03-07-89	1215 1230 1130 1300	12 9.3 13 12	-- -- -- --	-- -- -- --
18	403749097503400	09-29-87 07-25-88 11-15-88 03-07-89 05-30-89	1315 1130 1230 1445 1445	5.8 13 9.2 9.5 13	-- -- -- -- --	-- -- -- -- --
19	404327097354600	09-29-87 07-25-88 11-15-88 03-07-89 05-31-89	1030 1200 1300 1245 1100	6.4 14 5.3 7.5 25	-- -- -- -- --	-- -- -- -- --

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, total organic, (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
21	405029097322100	09-28-87	1030	9.3	--	--
		07-26-88	1010	8.3	--	--
		11-14-88	1425	9.5	--	--
		03-07-89	1145	10	--	--
		05-31-89	1245	12	--	--
23	06880800	05-13-87	0930	--	4.2	2.2
		05-15-87	0855	--	5.4	>6.0
		05-19-87	1330	--	11	2.9
		05-21-87	0915	--	3.7	4.1
		05-27-87	1400	--	6.3	<5.0
		05-29-87	1130	--	6.3	>5.0
		06-03-87	0945	--	6.8	>10
		06-05-87	1000	--	5.3	>5.0
		06-08-87	1045	--	3.0	2.6
		06-09-87	1000	--	5.2	>5.0
		06-10-87	1100	--	6.2	>9.8
		06-11-87	1030	--	7.1	>9.8
		06-16-87	1030	--	6.7	4.6
		06-18-87	1030	--	6.6	>20
		07-15-87	1100	--	10	5.4
		08-11-87	1000	--	1.2	.1
		09-09-87	1030	--	3.9	2.7
		09-29-87	1545	6.1	--	--
		10-05-87	1120	--	5.5	.9
		11-03-87	1000	--	5.1	2.1
		12-01-87	1000	--	37	.2
		01-26-88	1030	--	3.5	--
		02-22-88	1100	--	4.0	1.5
		03-21-88	1100	--	13	.4
		04-18-88	1020	--	3.2	>5.0

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, total organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
23	06880800	05-24-88	1130	--	6.4	>5.3
		06-20-88	1030	--	3.6	5.4
		07-18-88	1000	--	4.9	2.5
		07-25-88	1245	18	--	--
		08-08-88	1115	--	5.8	3.5
		08-31-88	1400	--	3.5	--
		10-12-88	1230	--	4.3	1.4
		11-07-88	1200	--	3.2	.4
		11-15-88	1420	4.0	--	--
		12-06-88	1000	--	2.1	.3
		01-03-89	1130	--	3.1	.7
		02-07-89	1000	--	2.8	.4
		03-07-89	1400	--	4.3	--
		03-08-89	1345	8.4	--	--
		04-04-89	0955	--	3.3	1.5
		05-02-89	0830	--	2.9	1.9
		05-31-89	1430	11	--	--
		06-21-89	1020	--	3.9	3.7
		06-27-89	1030	--	9.5	>5.6
		06-28-89	1200	--	8.6	>8.4
		06-29-89	1130	--	8.5	>8.4
		06-30-89	0915	--	8.5	>8.4
		08-22-89	1010	--	6.2	4.6
		09-05-89	1030	--	9.0	>10
		10-31-89	1330	--	4.2	.2
		11-28-89	1000	--	3.2	3.5
		12-18-89	1135	--	2.6	.7
		01-17-90	1130	--	2.9	1.1
		02-12-90	1400	--	2.4	.4
		03-26-90	1000	--	3.2	1.5
		04-17-90	1545	--	3.1	.8

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
26	06881000	09-29-87	1430	6.5	--	--
		07-25-88	1030	13	--	--
		11-14-88	1530	4.8	--	--
		03-08-89	1500	11	--	--
		05-31-89	1300	13	--	--
27	403304097311400	09-29-87	1145	18	--	--
		07-25-88	1325	17	--	--
		11-15-88	1110	11	--	--
		03-07-89	1345	22	--	--
		05-30-89	1445	12	--	--
28	06881200	09-29-87	1320	13	--	--
		07-25-88	0600	18	--	--
		11-14-88	1445	7.3	--	--
		03-07-89	0855	10	--	--
		05-31-89	1215	9.9	--	--
29	402348096591100	09-28-87	1620	7.6	--	--
		07-25-88	0630	9.9	--	--
		11-14-88	1200	3.6	--	--
		03-07-89	1240	7.5	--	--
		05-31-89	1100	8.0	--	--
31	401730096500200	09-28-87	1445	12	--	--
		07-26-88	0510	12	--	--
		11-14-88	1045	8.9	--	--
		03-08-89	0900	17	--	--
		05-30-89	1630	8.3	--	--
32	06881500	09-28-87	1315	8.0	--	--
		07-25-88	1330	12	--	--
		07-25-88	1700	12	--	--
		07-25-88	2100	12	--	--
		07-26-88	0115	13	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
32	06881500	07-26-88	0950	12	--	--
		07-27-88	0510	9.4	--	--
		11-14-88	0900	5.7	--	--
		03-07-89	1000	11	--	--
		05-30-89	1000	13	--	--
34	400632096401600	09-28-87	1215	8.1	--	--
		07-25-88	0650	10	--	--
		11-14-88	1020	6.0	--	--
		03-07-89	1520	5.5	--	--
		05-30-89	1345	6.7	--	--
		05-12-87	1100	--	7.1	--
		05-19-87	1115	--	5.8	4.9
35	06882000	06-02-87	1230	--	6.9	>5.0
		06-10-87	1300	--	8.3	>20
		06-16-87	1000	--	6.1	--
		06-19-87	1100	--	7.8	>20
		07-14-87	1200	--	6.6	3.3
		08-10-87	1130	--	7.2	3.7
		09-08-87	1100	--	6.0	1.3
		09-28-87	1050	7.8	--	--
		10-05-87	1200	--	4.7	1.3
		11-02-87	1100	--	7.6	1.7
		12-01-87	1100	--	4.8	.7
		01-26-88	1130	--	9.2	--
		02-23-88	1130	--	5.0	.7
		03-21-88	1130	--	3.8	1.9
		04-20-88	1115	--	6.0	.6
		05-24-88	1005	--	7.9	3.7
		06-21-88	0925	--	4.2	4.9
		07-19-88	1025	--	12	2.4

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
35	06882000	07-25-88	0540	10	--	--
		08-09-88	0915	--	6.9	2.3
		08-30-88	1400	--	5.0	3.4
		10-18-88	1000	--	4.8	1.5
		11-08-88	1200	--	4.0	2.6
		11-14-88	1145	7.9	--	--
		12-06-88	0900	--	2.0	2.0
		01-04-89	1100	--	4.0	4.6
		01-31-89	1100	--	8.3	2.5
		03-07-89	1435	8.9	--	--
		03-28-89	1130	--	5.7	1.7
		04-19-89	1130	--	4.0	>5.0
		05-24-89	0940	--	4.7	>5.0
		05-30-89	1245	10	--	--
		06-27-89	1245	--	6.2	>5.0
		07-11-89	0930	--	6.0	>5.0
		08-16-89	0825	--	5.0	4.9
		09-06-89	1020	--	8.5	>10
36	06882510	10-23-89	1600	--	5.9	--
		11-29-89	1030	--	4.1	3.4
		12-19-89	0920	--	3.8	1.1
		01-18-90	1000	--	3.1	.5
		02-13-90	1030	--	3.3	1.9
		03-21-90	0945	--	4.7	4.5
		04-18-90	1000	--	4.4	4.0
		09-30-87	1300	7.6	--	--
		07-25-88	1230	8.5	--	--
		11-16-88	1050	8.3	--	--
		03-09-89	0940	8.5	--	--
		05-31-89	1240	7.7	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24 hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
37	402726098240500	09-30-87	0815	2.5	--	--
		07-26-88	0515	10	--	--
		11-15-88	1100	2.1	--	--
		03-08-89	0800	2.3	--	--
		05-30-89	1200	5.6	--	--
38	06883000	09-30-87	0925	3.3	--	--
		07-26-88	0810	9.7	--	--
		11-15-88	0940	2.4	--	--
		03-08-89	0920	3.6	--	--
		05-30-89	1320	3.4	--	--
39	401243097433500	09-30-87	1045	4.2	--	--
		07-26-88	0630	16	--	--
		11-15-88	0815	2.9	--	--
		03-08-89	1100	1.7	--	--
		05-31-89	1030	7.0	--	--
40	06883570	09-28-87	1450	5.8	--	--
		07-26-88	0630	16	--	--
		11-14-88	1655	2.5	--	--
		03-08-89	1345	3.7	--	--
		05-31-89	1200	8.1	--	--
41	401826097451100	07-26-88	0600	18	--	--
42	06883940	09-28-87	1530	2.7	--	--
		07-26-88	0545	5.2	--	--
		11-14-88	1730	1.1	--	--
		03-08-89	1250	1	--	--
		05-31-89	1130	1.5	--	--
44	06884000	09-28-87	1240	10	--	--
		07-25-88	0845	13	--	--
		11-14-88	1555	2.9	--	--
		03-08-89	1225	2.9	--	--
		05-31-89	1300	5.2	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
46	400359097101400	09-28-87	1200	9.7	--	--
		07-25-88	0615	19	--	--
		11-14-88	1515	3.4	--	--
		03-08-89	1200	4.7	--	--
		05-31-89	1330	7.0	--	--
47	06884025	05-12-87	1410	--	5.8	1.7
		05-26-87	1150	--	5.2	>5.0
		06-23-87	1030	--	8.3	>5.0
		06-30-87	1700	--	7.5	>20
		07-01-87	0730	--	9.3	>20
		07-21-87	1100	--	5.4	>5.0
		08-18-87	1120	--	7.7	>10
		09-15-87	1030	--	5.4	7.5
		09-28-87	1030	7.0	--	--
		10-13-87	1115	--	2.4	.1
		11-04-87	1120	--	4.0	1.1
		12-06-87	1130	--	3.8	.8
		01-07-88	1245	--	2.5	--
		02-03-88	1300	--	5.7	.6
		03-02-88	1315	--	3.0	1.3
		04-26-88	1015	--	3.0	1.8
		05-31-88	1045	--	3.5	3.1
		06-28-88	0945	--	5.1	2.1
		07-25-88	1150	12	--	--
		07-27-88	0920	--	5.0	>5.3
		08-09-88	1135	--	4.6	3.8
		08-30-88	1100	--	4.0	3.0
		10-18-88	1300	--	2.9	1.0
		11-09-88	1200	--	1.9	.5
		11-14-88	1350	2.8	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
47	06884025	12-06-88	1300	--	--	0.4
		01-10-89	1050	--	2.3	.4
		02-07-89	1115	--	2.9	.4
		03-07-89	1100	--	2.5	.5
		03-08-89	1040	2.9	--	--
		04-05-89	0955	--	3.5	.6
		05-01-89	1200	--	2.4	1.1
		05-31-89	1420	5.6	--	--
		06-22-89	1240	--	3.6	4.8
		06-26-89	1130	--	9.0	>10
		08-15-89	1800	--	4.7	>5.0
		09-06-89	1130	--	8.0	>10
		10-23-89	1430	--	4.9	.8
		11-28-89	1530	--	2.2	1.8
48	395513096561100	12-19-89	1150	--	2.8	1.5
		01-18-90	1300	--	2.0	1.5
		02-13-90	1300	--	--	.8
		03-21-90	1230	--	3.7	3.0
		04-18-90	1230	--	2.4	.7
		09-30-87	1210	7.0	--	--
		07-26-88	1215	8.7	--	--
		11-16-88	1400	8.0	--	--
		03-09-89	0830	4.1	--	--
		05-31-89	1415	7.8	--	--
49	06884400	09-30-87	1420	7.9	--	--
		07-25-88	1400	14	--	--
		11-16-88	1130	5.0	--	--
		11-16-88	1135	4.3	--	--
		03-08-89	1630	3.9	--	--
		03-08-89	1635	4.0	--	--
		03-08-89	1715	4.5	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
49	06384400	03-08-89	1720	3.9	--	--
		05-31-89	1540	8.2	--	--
		05-31-89	1545	7.2	--	--
		05-31-89	1550	7.6	--	--
		05-31-89	1555	5.6	--	--
50	06385500	05-13-87	1200	--	4.3	0.9
		05-28-87	1045	--	7.1	4.8
		06-23-87	1020	--	4.8	2.1
		07-20-87	1330	--	5.2	1.0
		08-18-87	1100	--	7.2	4.1
		09-15-87	1445	--	22	>10
		09-16-87	1120	--	21	20
		09-22-87	1030	--	4.3	1.3
		09-30-87	1430	7.3	--	--
		10-20-87	1120	--	12	<.1
		11-23-87	1005	--	4.9	.4
		12-22-87	1030	--	11	.9
		01-19-88	1100	--	4.5	.1
		02-16-88	1045	--	15	--
		03-14-88	1045	--	5.8	.8
		04-18-88	1115	--	4.7	1.2
		05-16-88	1045	--	5.1	2.6
		06-09-88	1010	--	4.5	1.5
		06-30-88	1130	--	8.5	15
		06-30-88	1330	--	8.1	15
		07-05-88	1100	--	5.6	2.7
		07-24-88	1320	9.4	--	--
		08-12-88	1315	--	4.6	3.0
		09-01-88	1110	--	4.1	3.1
		10-06-88	1110	--	4.3	.9

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
50	06885500	11-16-88	1340	7.7	--	--
		11-16-88	1350	7.5	--	--
		12-15-88	1135	--	3.3	0.4
		01-26-89	1120	--	3.6	.4
		02-16-89	1210	--	3.2	.3
		03-09-89	1130	4.0	--	--
		03-16-89	1025	--	4.3	.8
		04-25-89	0915	--	5.3	1.9
		05-15-89	1120	--	5.8	1.9
		05-31-89	1055	8.7	--	--
		06-16-89	1330	--	5.3	1.1
		06-27-89	1245	--	8.8	>34
		07-10-89	1030	--	1.4	2.5
		08-17-89	1040	--	5.3	2.4
		09-18-89	1100	--	2.5	1.5
51	06886500	10-04-89	1150	--	4.3	2.2
		11-16-89	1040	--	4.8	1.3
		12-14-89	1100	--	3.8	.6
		01-10-90	1025	--	4.0	.5
		02-08-90	1100	--	3.5	.3
		03-22-90	1100	--	6.0	2.7
		04-26-90	1700	--	5.2	1.2
		09-30-87	1050	5.9	--	--
		07-24-88	1445	11	--	--
		11-16-88	0940	5.2	--	--
		03-09-89	1115	3.9	--	--
		05-31-89	1730	9.4	--	--
		05-13-87	1545	--	5.7	--
		06-23-87	0830	--	5.0	--
		07-20-87	1630	--	6.2	1.0
52	06887000	08-18-87	1330	--	6.2	.5
		09-21-87	1330	--	.9	.9

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
52	06887000	09-30-87	1045	5.7	--	--
		09-30-87	1125	5.5	--	--
		10-20-87	1315	--	6.0	0.2
		11-23-87	1615	--	5.8	.4
		12-21-87	1500	--	5.9	.4
		01-20-88	0825	--	3.6	.1
		02-18-88	1030	--	4.6	1.5
		03-14-88	1315	--	5.4	4.0
		04-18-88	1150	--	4.7	1.7
		05-17-88	1400	--	4.7	1.0
		06-07-88	1400	--	5.9	.4
		07-05-88	1545	--	4.1	.5
		07-24-88	1045	13	--	--
		08-12-88	0845	--	4.2	.5
		09-01-88	1530	--	3.3	1.8
		10-07-88	0830	--	4.2	4.0
		11-04-88	0800	--	3.4	.4
		11-15-88	1445	5.0	--	--
		12-15-88	1530	--	3.6	.5
		01-26-89	1535	--	3.9	1.2
		02-17-89	0810	--	4.0	1.0
		03-08-89	1430	4.4	--	--
		03-16-89	1510	--	4.4	.9
		04-24-89	1425	--	4.3	.9
		05-15-89	1540	--	4.3	.5
		06-02-89	1030	5.1	--	--
		06-16-89	0850	--	3.9	.8
		07-10-89	1515	--	3.9	.5
		08-17-89	1445	--	4.5	.6
		09-12-89	1055	--	5.6	1.4

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
52	06887000	10-03-89	1415	--	4.6	2.6
		11-16-89	1415	--	4.5	1.7
		12-15-89	0845	--	4.6	.8
		01-09-90	1235	--	4.0	.5
		02-08-90	1530	--	4.1	.2
		03-22-90	1530	--	4.0	.9
		04-26-90	1200	--	4.0	.4
55	392844096093500	09-29-87	1245	5.5	--	--
		07-27-88	0930	8.0	--	--
		11-15-88	1330	8.5	--	--
		03-08-89	1345	4.8	--	--
		05-31-89	0900	7.5	--	--
56	06888030	09-29-87	1410	6.7	--	--
		07-27-88	1120	5.3	--	--
		11-15-88	1115	8.0	--	--
		03-08-89	1100	3.6	--	--
		06-01-89	1450	9.4	--	--
57	06888300	07-29-88	0815	32	--	--
		03-08-89	1645	2.5	--	--
		06-01-89	1645	2.7	--	--
58	06888350	09-29-87	0930	8.2	--	--
		07-27-88	0910	6.9	--	--
		11-15-88	1445	6.4	--	--
		03-10-89	1110	8.0	--	--
		05-30-89	1845	15	--	--
59	06888500	05-20-87	1315	--	2.0	.5
		05-27-87	1310	--	4.8	15
		06-23-87	1315	--	2.1	.8
		07-20-87	1005	--	3.4	1.9
		08-18-87	0940	--	4.2	1.8

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
59	06888500	09-22-87	1300	--	0.3	0.9
		09-29-87	1515	4.5	--	--
		10-20-87	1445	--	4.4	<.1
		11-23-87	1245	--	2.4	.5
		12-22-87	1330	--	5.9	1.6
		01-19-88	1345	--	2.7	<.1
		02-17-88	1350	--	2.4	.3
		03-15-88	1300	--	4.3	.9
		04-18-88	1445	--	2.0	.4
		05-16-88	1410	--	4.0	.5
		06-08-88	1000	--	2.5	.7
		07-06-88	1520	--	3.2	1.0
		07-27-88	1010	4.0	--	--
		08-09-88	0955	--	3.2	1.1
		08-30-88	1005	--	2.8	1.3
		10-04-88	1020	--	2.9	.8
		11-07-88	1445	--	3.0	.4
		11-15-88	1100	3.7	--	--
		12-20-88	0950	--	2.9	.5
		01-24-89	1345	--	2.2	.4
		02-14-89	1310	--	2.6	.3
		03-08-89	1310	2.6	--	--
		03-14-89	1300	--	2.4	.5
		04-20-89	1220	--	3.0	.5
		05-18-89	1210	--	3.7	.9
		06-01-89	1145	5.1	--	--
		06-13-89	1250	--	3.4	1.2
		07-13-89	0935	--	5.5	4.1
		08-14-89	1320	--	4.7	1.0
		09-05-89	1315	--	8.0	6.3

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
59	06888500	09-14-89	0940	--	3.0	5.2
		10-06-89	0935	--	2.3	1.5
		11-20-89	1335	--	2.3	.6
		12-12-89	1400	--	2.1	.2
		01-11-90	0930	--	1.8	.4
60	390820095571500	02-06-90	1350	--	1.9	.3
		03-14-90	1005	--	4.0	15
		04-24-90	1400	--	2.0	.3
		09-29-87	1340	5.3	--	--
		07-29-88	0535	32	--	--
		11-15-88	1240	8.5	--	--
		03-09-89	1230	3.0	--	--
		06-01-89	1310	7.5	--	--
		09-29-87	1015	9.0	--	--
		07-29-88	0415	8.6	--	--
61	06888705	11-15-88	1030	6.5	--	--
		03-08-89	1030	5.2	--	--
		05-31-89	1710	12	--	--
		05-12-87	1020	--	4.3	1.7
		06-24-87	1330	--	4.9	1.3
62	06889000	07-22-87	1020	--	5.4	1.8
		08-18-87	1230	--	6.0	--
		09-21-87	1245	--	8.5	2.1
		09-28-87	1400	8.9	--	--
		10-20-87	1330	--	7.0	.8
		11-23-87	1200	--	3.3	--
		12-22-87	1330	--	7.7	1.8
		01-19-88	1000	--	3.6	.5
		02-17-88	1010	--	4.7	--
		03-15-88	1105	--	4.8	2.9
		04-18-88	1340	--	4.5	1.5

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, total organic, (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
62	06889000	05-17-88	0945	--	4.9	7.0
		06-07-88	1200	--	5.1	3.2
		07-07-88	0930	--	5.0	2.3
		07-29-88	0530	10	--	--
		07-29-88	0535	8.9	--	--
		08-09-88	1335	--	4.3	5.0
		08-30-88	1340	--	4.3	5.2
		10-04-88	1450	--	4.4	1.6
		11-07-88	1030	--	3.4	.9
		11-15-88	0755	5.6	--	--
		12-20-88	1315	--	4.0	.7
		01-24-89	0940	--	4.2	1.0
		02-14-89	0925	--	5.2	.3
		03-07-89	1510	6.9	--	--
		03-14-89	0905	--	4.0	2.4
		04-20-89	0840	--	3.9	>5.0
		05-18-89	0905	--	4.3	>5.7
		06-01-89	1815	11	--	--
		06-13-89	0900	--	4.1	2.7
		07-13-89	1225	--	7.0	38
63	06889160	08-14-89	0940	--	5.1	7.9
		09-14-89	1300	--	11	3.7
		10-06-89	1300	--	4.4	3.5
		11-20-89	0905	--	4.5	2.4
		12-12-89	0925	--	4.4	.6
		01-08-90	0920	--	3.6	.9
		02-06-90	0930	--	4.2	.9
		03-19-90	1015	--	4.4	3.6
		04-30-90	1200	--	3.4	1.0
		09-28-87	1010	5.0	--	--
		07-29-88	0910	4.9	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
63	06889160	11-14-88	1000	3.7	--	--
		03-07-89	1010	3.2	--	--
		06-01-89	1300	6.9	--	--
64	06889500	09-28-87	1200	5.7	--	--
		09-28-87	1215	6.0	--	--
		07-28-88	1230	5.7	--	--
		07-28-88	1235	5.7	--	--
		11-14-88	1530	4.2	--	--
		03-07-89	1230	5.9	--	--
		03-07-89	1235	4.0	--	--
71	394757095434300	03-07-89	1330	3.1	--	--
		03-07-89	1335	3.0	--	--
		05-31-89	1430	7.8	--	--
		05-31-89	1435	7.6	--	--
		09-29-87	1030	4.0	--	--
		07-27-88	0610	6.0	--	--
		11-17-88	1230	6.3	--	--
72	06890100	03-09-89	1100	6.7	--	--
		06-01-89	1445	9.1	--	--
		07-29-87	1045	--	5.4	1.2
		08-19-87	0925	--	5.3	2.8
		09-23-87	1010	--	6.6	.4
		09-29-87	1200	4.0	--	--
		09-29-87	1205	4.3	--	--
		10-21-87	0945	--	7.9	.2
		11-24-87	0930	--	5.4	.3
		12-23-87	0930	--	8.5	1.9
		01-20-88	1045	--	8.3	1.2
		02-17-88	0930	--	9.9	3.1
		03-16-88	1000	--	4.2	1.1

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, total organic, (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
72	06890100	04-20-88	1030	--	4.7	0.6
		05-18-88	0950	--	4.5	.9
		06-08-88	0945	--	3.4	1.1
		07-13-88	0915	--	7.3	.8
		07-27-88	0745	6.0	--	--
		08-10-88	1000	--	5.2	2.7
		08-31-88	1025	--	4.4	1.7
		10-05-88	1000	--	4.1	.7
		11-09-88	1010	--	4.5	.5
		11-17-88	1020	8.4	--	--
		12-21-88	1010	--	4.2	.3
		01-25-89	1215	--	4.1	.6
		02-15-89	1030	--	4.6	.8
		03-09-89	1230	5.9	--	--
		03-15-89	1130	--	4.4	.5
		04-19-89	0920	--	5.4	1.5
		05-17-89	1315	--	6.0	2.7
		06-02-89	0945	8.5	--	--
		06-14-89	0915	--	6.2	4.2
		07-12-89	0945	--	6.0	1.7
		08-16-89	0935	--	4.2	2.4
		09-06-89	1115	--	10	20
		09-10-89	1155	--	11	4.3
		10-11-89	0925	--	4.5	1.2
		11-15-89	0920	--	5.1	1.0
		12-13-89	1000	--	4.3	.3
		01-24-90	0850	--	4.8	.5
		02-07-90	1220	--	3.7	.3
		03-21-90	1030	--	5.4	.8
		03-21-90	1035	--	5.4	.8
		04-18-90	1055	--	4.9	.6
		04-18-90	1100	--	4.9	.6

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
73	392823095362800	09-29-87	1330	5.2	--	--
		07-27-88	0810	5.9	--	--
		11-17-88	1300	11	--	--
		11-17-88	1305	11	--	--
		11-17-88	1345	15	--	--
		11-17-88	1350	14	--	--
		03-09-89	1400	6.1	--	--
		03-09-89	1405	7.1	--	--
		03-09-89	1440	6.7	--	--
		03-09-89	1445	6.7	--	--
		06-02-89	1100	7.1	--	--
		07-29-87	0915	--	5.9	0.4
		08-19-87	0830	--	6.0	1.0
		10-02-87	1115	5.3	--	--
		10-21-87	0840	--	6.0	--
		11-24-87	0915	--	5.4	.1
		12-23-87	0830	--	5.5	.4
74	06890900	01-20-88	0915	--	5.3	.2
		02-17-88	1245	--	4.8	.8
		03-16-88	0915	--	4.3	.5
		04-20-88	0915	--	4.5	.6
		05-18-88	1230	--	4.4	2.1
		06-08-88	1215	--	3.5	.5
		07-13-88	1245	--	5.5	1.0
		07-29-88	1020	6.2	--	--
		08-10-88	1300	--	4.2	1.0
		08-31-88	1320	--	4.2	.5
		10-05-88	1300	--	4.3	.6
		11-09-88	1300	--	3.2	.4
		11-15-88	1430	4.8	--	--
		12-21-88	1315	--	4.0	.5

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
74	06890900	01-25-89	0840	--	4.3	0.6
		02-15-89	1330	--	4.7	.5
		03-07-89	0800	5.9	--	--
		03-15-89	0850	--	4.2	.4
		04-19-89	1230	--	4.1	.9
		05-17-89	1040	--	4.3	.5
		05-31-89	1630	5.7	--	--
		06-14-89	1215	--	4.4	1.1
		07-12-89	1250	--	4.5	1.1
		08-16-89	1155	--	4.5	.9
		09-13-89	1120	--	5.0	.5
		10-11-89	1300	--	4.3	.4
		11-15-89	1250	--	4.4	.5
		12-13-89	1300	--	4.6	.3
		01-24-90	1220	--	4.8	.5
76	06891000	02-07-90	0940	--	4.6	.5
		03-21-90	1315	--	4.9	.9
		04-25-90	1405	--	4.8	.5
		09-28-87	1500	9.5	--	--
		07-28-88	0615	10	--	--
		11-14-88	1400	5.6	--	--
		03-07-89	1400	5.9	--	--
		03-07-89	1405	5.8	--	--
		03-07-89	1410	5.4	--	--
		05-31-89	1845	14	--	--
77	06891080	09-28-87	1205	9.4	--	--
		07-28-88	0605	9.3	--	--
		11-14-88	1030	5.6	--	--
		03-07-89	1345	5.8	--	--
		06-03-89	0935	11	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
78	06891100	09-28-87	0930	8.7	--	--
		07-28-88	0515	8.0	--	--
		11-14-88	1440	5.9	--	--
		03-07-89	1030	6.4	--	--
		06-01-89	1800	10	--	--
79	385329095353400	09-28-87	1545	8.0	--	--
		07-29-88	0645	7.2	--	--
		03-07-89	1600	8.0	--	--
		05-31-89	0930	9.0	--	--
83	06891500	07-29-87	1220	--	4.6	0.6
		08-19-87	1100	--	5.6	1.2
		09-23-87	1315	--	7.0	.5
		09-29-87	1530	5.9	--	--
		09-29-87	1535	5.6	--	--
		10-21-87	1130	--	7.2	.2
		11-24-87	0915	--	5.5	.8
		12-23-87	1115	--	10	.3
		01-20-88	1215	--	7.2	.1
		02-17-88	1230	--	5.4	.8
		03-16-88	0905	--	4.8	.5
		04-20-88	1245	--	4.2	1.1
		05-18-88	0905	--	4.6	1.6
		06-08-88	1300	--	3.6	1.0
		07-13-88	1445	--	6.4	1.5
		07-29-88	0530	6.3	--	--
		08-10-88	1500	--	4.5	1.0
		08-31-88	1500	--	4.5	1.6
		10-05-88	1500	--	4.6	.5
		11-09-88	1545	--	5.3	.8
		12-21-88	1515	--	4.6	.4
		01-25-89	1600	--	7.2	12

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, total organic, (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
83	06891500	02-15-89	1530	--	4.8	0.4
		03-07-89	1300	5.5	--	--
		03-15-89	1430	--	4.5	.9
		04-19-89	1445	--	4.4	.9
		05-17-89	0750	--	4.4	1.3
		05-31-89	1045	6.1	--	--
		06-14-89	1415	--	4.4	.8
		07-12-89	1510	--	4.9	1.5
		08-16-89	1325	--	4.7	1.5
		09-13-89	0850	--	5.1	1.2
		10-11-89	1520	--	5.1	1.4
		11-15-89	1500	--	5.3	1.5
		12-13-89	1450	--	5.5	.4
		01-24-90	1415	--	5.4	.7
		02-07-90	0730	--	3.8	.6
86	06891850	03-21-90	1535	--	4.7	1.5
		04-25-90	1205	--	4.8	1.1
		09-28-87	1045	8.2	--	--
		07-28-88	0615	9.8	--	--
		07-28-88	0620	9.8	--	--
		07-28-88	1200	14	--	--
		03-08-89	1200	5.2	--	--
		06-02-89	1250	9.1	--	--
		09-28-87	1250	7.9	--	--
		09-28-87	1255	7.7	--	--
87	06892000	07-28-88	0445	10	--	--
		11-14-88	1345	9.8	--	--
		11-14-88	1350	10	--	--
		03-08-89	1415	5.2	--	--
		06-02-89	1530	7.0	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
88	06892350	05-11-87	0955	--	5.2	1.7
		06-24-87	0940	--	4.8	3.7
		07-22-87	1340	--	5.6	3.3
		08-19-87	0945	--	6.0	2.8
		09-21-87	0930	--	5.5	2.9
		09-28-87	1500	8.7	--	--
		10-20-87	1000	--	6.6	.7
		11-23-87	0900	--	6.7	.8
		12-22-87	0915	--	9.6	4.8
		01-19-88	1515	--	3.9	.2
		02-17-88	0920	--	6.7	2.1
		03-15-88	1245	--	4.5	2.8
		04-18-88	0945	--	7.7	2.1
		05-16-88	0945	--	4.5	3.7
		06-06-88	1200	--	4.6	2.1
		07-01-88	1030	--	6.0	7.6
		07-07-88	1330	--	5.7	2.8
		07-28-88	0610	8.2	--	--
		08-08-88	0945	--	5.4	3.2
		08-29-88	1045	--	4.7	.9
		10-03-88	1020	--	5.2	5.7
		11-08-88	1020	--	4.0	1.1
		11-16-88	1510	5.9	--	--
		11-16-88	1515	5.8	--	--
		12-19-88	0950	--	4.1	.6
		01-23-89	1140	--	4.1	1.6
		02-21-89	1010	--	4.1	1.2
		03-07-89	1550	6.8	--	--
		03-07-89	1555	6.5	--	--
		03-07-89	1630	6.3	--	--
		03-07-89	1635	6.4	--	--

Table 13. Concentrations of organic carbon in water--Continued

Downstream order and map reference number (plate 1)	U.S.Geological Survey identification number	Date	Time (24-hour)	Carbon, organic, total (mg/L as C) (00680)	Carbon, organic, dissolved (mg/L as C) (00681)	Carbon, organic, suspended, total (mg/L as C) (00689)
88	06892350	03-13-89	0925	--	4.8	2.3
		04-18-89	1255	--	4.8	5.0
		05-19-89	0920	--	5.0	>8.0
		05-30-89	1905	8.5	--	--
		05-30-89	1910	9.2	--	--
		06-12-89	0930	--	5.1	6.7
		07-14-89	0855	--	6.0	12
		08-15-89	0915	--	5.1	2.8
		09-07-89	1325	--	7.0	42
		09-15-89	0915	--	5.5	.8
90	06892940	10-05-89	0935	--	4.3	2.4
		11-14-89	1035	--	4.4	2.4
		12-11-89	0930	--	4.7	.6
		01-12-90	0920	--	3.7	1.1
		02-05-90	0930	--	3.8	.8
		03-15-90	1220	--	7.2	>17
		04-23-90	1500	--	4.0	2.6
		09-28-87	1250	21	--	--
		07-29-88	0510	23	--	--
		07-29-88	0515	19	--	--
91	06892950	11-14-88	1210	25	--	--
		11-14-88	1215	27	--	--
		03-07-89	0925	32	--	--
		06-02-89	1440	18	--	--
		09-28-87	1115	7.2	--	--
		07-29-88	0615	9.9	--	--
		11-14-88	1000	7.0	--	--
		03-07-89	1320	10	--	--
		06-02-89	1145	8.3	--	--

Table 14. *Concentrations of carbamate insecticides in water*

[Number in parentheses is the U.S. Environmental Protection Agency identification code. tot. rec, total recoverable; µg/L, micrograms per liter; <, less than]

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aldicarb sulfone, water whole, tot. rec (µg/L) (82587)	Aldicarb sulfonide, water whole, tot. rec (µg/L) (82586)	Aldicarb, water whole, tot. rec (µg/L) (82619)	Sevin, total (µg/L) (39750)	Carbofuran, water whole, tot. rec (µg/L) (82615)	3-hydroxy carbofuran, water whole, tot. rec (µg/L) (82584)
1	06879100	03-08-89 06-01-89	1000 1010	<0.5 <.5	<0.5 <.5	<0.5 <.5	<0.5 <.5	<0.5 <.5	<0.5 <.5
23	06880800	11-15-88 03-08-89 05-31-89	1420 1345 1430	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
35	06882000	11-14-88 03-07-89 05-30-89	1145 1435 1245	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
36	06882510	11-16-88 03-09-89 05-31-89	1050 0940 1240	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
47	06884025	11-14-88 03-08-89	1350 1040	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5
50	06885500	11-16-88 11-16-88 03-09-89 05-31-89	1340 1355 1130 1055	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5
52	06887000	11-15-88 03-08-89 06-02-89	1445 1430 1030	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
56	06888030	11-15-88 03-08-89 06-01-89	1115 1100 1450	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5

Table 14. Concentrations of carbamate insecticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aldicarb sulfone, water whole, tot. rec (µg/L) (82587)	Aldicarb sulfoxide, water whole, tot. rec (µg/L) (82586)	Aldicarb, water whole, tot. rec (µg/L) (82619)	Sevin, total (µg/L) (39750)	Carbofuran, water whole, tot. rec (µg/L) (82615)	2,3-hydroxy carbofuran, water whole, tot. rec (µg/L) (82584)
58	06888350	11-15-88 03-10-89 05-30-89	1445 1110 1845	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
59	06888500	11-15-88 03-08-89 06-01-89	1100 1310 1145	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
62	06889000	11-15-88 03-07-89 06-01-89	0755 1510 1815	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
64	06889500	11-14-88 03-07-89 03-07-89 05-31-89	1530 1230 1330 1430	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5
72	06890100	11-17-88 03-09-89 06-02-89	1020 1230 0945	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
88	06892350	11-16-88 03-07-89 03-07-89 05-30-89	1510 1550 1630 1905	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5
90	06892940	11-14-88 06-02-89	1210 1440	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5

Table 14. Concentrations of carbamate insecticides in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Methiocarb, water whole, recoverable (µg/L) (30282)	Methomyl, total (µg/L) (39051)	1-naphthol, water whole, recoverable (µg/L) (77441)	Oxyamyl, water whole, tot. rec (µg/L) (82613)	Propham, total (µg/L) (39052)	Propoxur, water whole, recoverable (µg/L) (30296)
1	06879100	11-15-88 03-08-89 06-01-89	<0.5 <5 <5	<0.5 <5 <5	<0.5 <5 <5	<0.5 <5 <5	<0.5 <5 <5	<0.5 <5 <5
23	06880800	11-15-88 03-08-89 05-31-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5
35	06882000	11-14-88 03-07-89 05-30-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5
36	06882510	11-16-88 03-09-89 05-31-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5
47	06884025	11-14-88 03-08-89	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5
50	06885500	11-16-88 11-16-88 03-09-89 05-31-89	<5 <5 <5 <5	<5 <5 <5 <5	<5 <5 <5 <5	<5 <5 <5 <5	<5 <5 <5 <5	<5 <5 <5 <5
52	06887000	11-15-88 03-08-89 06-02-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5
56	06888030	11-15-88 03-08-89 06-01-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5
58	06888350	11-15-88 03-10-89 05-30-89	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5	<5 <5 <5

Table 14. Concentrations of carbamate insecticides in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Methiocarb, water whole, recoverable (µg/L) (30282)	Methomyl, total (µg/L) (39051)	1-naphthol, water whole, recoverable (µg/L) (77441)	Oxyamyl, water whole, tot. rec (µg/L) (82613)	Propham, total (µg/L) (39052)	Propoxur, water whole, recoverable (µg/L) (30296)
59	06888500	11-15-88 03-08-89 06-01-89	<0.5 <.5 <.5	<0.5 <.5 <.5	<0.5 <.5 <.5	<0.5 <.5 <.5	<0.5 <.5 <.5	<0.5 <.5 <.5
62	06889000	11-15-88 03-07-89 06-01-89	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
64	06889500	11-14-88 03-07-89 03-07-89 05-31-89	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5
72	06890100	11-17-88 03-09-89 06-02-89	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5	<.5 <.5 <.5
88	06892350	11-16-88 03-07-89 03-07-89 05-30-89	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5	<.5 <.5 <.5 <.5
90	06892940	11-14-88 06-02-89	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5	<.5 <.5

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. Detection levels vary depending on type of analysis performed and whether dilutions were used in analysis. µg/L, micrograms per liter; --, not determined; <, less than]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aldrin, total (µg/L) (39330)	Chlordane, total (µg/L) (39350)	DDD, total (µg/L) (39360)	DDE, total (µg/L) (39365)	DDT, total (µg/L) (39370)	DEF, total (µg/L) (39040)	Diazinon, total (µg/L) (39570)	Dicamba (Mediben) total (µg/L) (82052)
1	06879100	11-15-88 03-08-89 06-01-89	1205 1000 1010	<0.01 <0.01 <0.01	<0.1 <.1 <.1	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	-- -- --	<0.01 <0.01 <0.01	-- -- --
3	06879650	05-20-87 06-22-87	1025 1040	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
14	405220097024000	06-24-89	1200	--	--	--	--	--	--	--	<0.01
15	405128097032000	06-24-89 08-27-89	1230 1310	-- <0.01	-- <.1	-- <0.01	-- <0.01	-- <0.01	-- <0.01	-- <0.01	<0.01 <.10
22	404432097111100	06-25-89 08-27-89	0945 1330	-- <0.01	-- <.1	-- <0.01	-- <0.01	-- <0.01	-- <0.01	-- <0.01	26 .06
23	06880800	11-15-88 03-08-89 05-31-89	1420 1345 1430	<0.01 <0.01 <0.01	<.1 <.1 <.1	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	-- -- --	<0.01 <0.01 <0.01	-- -- --
24	404247097104000	06-25-89 08-27-89	0845 1345	-- <0.01	-- <.1	-- <0.01	-- <0.01	-- <0.01	-- <0.01	-- <0.01	<0.01 <.10
35	06882000	11-14-88 03-07-89 05-30-89	1145 1435 1245	<0.01 <0.01 <0.01	<.1 <.1 <.1	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	-- -- --	<0.01 <0.01 <0.01	-- -- --
36	06882510	11-16-88 03-09-89 05-31-89	1050 0940 1240	<0.01 <0.01 <0.01	<.1 <.1 --	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01	<0.01 <0.01 --	-- -- --	<0.01 <0.01 <0.01	-- -- --
47	06884025	11-14-88 03-08-89	1350 1040	<0.01 <0.01	<.1 <.1	<0.01 <0.01	<0.01 <0.01	<0.01 <0.01	-- --	<0.01 <0.01	-- --

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aldrin, total (µg/L) (39330)	Chlordane, total (µg/L) (39350)	DDD, total (µg/L) (39360)	DDE, total (µg/L) (39365)	DDT, total (µg/L) (39370)	DEF, total (µg/L) (39040)	Diazinon, total (µg/L) (39570)	Dicamba (Mediben) (Banvel D), total (µg/L) (82052)
50	06885500	11-16-88	1340	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		11-16-88	1355	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-09-89	1130	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		05-31-89	1055	<.01	<.1	<.01	<.01	<.01	--	<.01	--
52	06887000	11-15-88	1445	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-08-89	1430	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		06-02-89	1030	<.01	<.1	<.01	<.01	<.01	--	<.01	--
56	06888030	11-15-88	1115	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-08-89	1100	<.01	<.1	<.01	<.01	<.01	--	.01	--
		06-01-89	1450	<.01	--	<.01	<.01	--	--	<.01	--
58	06888350	11-15-88	1445	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-10-89	1110	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		05-30-89	1845	<.01	<.1	<.01	<.01	<.01	--	.01	--
59	06888500	05-20-87	1315	--	--	--	--	--	--	--	--
		05-27-87	1310	--	--	--	--	--	--	--	--
		06-23-87	1315	--	--	--	--	--	--	--	--
		11-15-88	1100	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-08-89	1310	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		06-01-89	1145	<.01	<.1	<.01	<.01	<.01	--	<.01	--
62	06889000	11-15-88	0755	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-07-89	1510	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		06-01-89	1815	<.01	<.1	<.01	<.01	<.01	--	.01	--

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dieldrin, total (µg/L) (39380)	Disyston, total (µg/L) (39011)	2,4-D, total (µg/L) (39730)	2,4-DP, total (µg/L) (82183)	Endosulfan, total (µg/L) (39388)	Endrin, total (µg/L) (39390)	Ethion, total (µg/L) (39398)	Heptachlor epoxide, total (µg/L) (39420)	Heptachlor, total (µg/L) (39410)
1	06879100	11-15-88 03-08-89 06-01-89	<.01 <.01 <.01	-- -- --	0.12 .03 .09	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01
3	06879650	05-20-87 06-22-87	-- --	-- --	<.01 <.01	<.01 <.01	-- --	-- --	-- --	-- --	-- --
14	405220097024000	06-24-89	--	--	<.01	<.01	--	--	--	--	--
15	405128097032000	06-24-89 08-27-89	-- .001	-- <.01	<.01 <.10	<.01 <.10	-- <.001	-- <.001	-- <.01	-- <.001	-- <.001
22	404432097111100	06-25-89 08-27-89	-- .007	-- <.01	30 .48	<.01 <.01	-- <.001	-- <.001	-- <.01	-- <.001	-- <.001
23	06880800	11-15-88 03-08-89 05-31-89	<.01 <.01 <.01	-- -- --	.11 -- .13	<.01 -- <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01
24	404247097104000	06-25-89 08-27-89	-- .01	-- <.01	<.01 <.10	<.01 <.10	-- <.001	-- <.001	-- <.01	-- <.001	-- <.001
35	06882000	11-14-88 03-07-89 05-30-89	<.01 <.01 <.01	-- -- --	.20 .20 .19	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01
36	06882510	11-16-88 03-09-89 05-31-89	<.01 <.01 --	-- -- --	.22 .18 .10	<.01 <.01 <.01	<.01 <.01 --	<.01 <.01 --	<.01 <.01 <.01	<.01 <.01 --	<.01 <.01 <.01
47	06884025	11-14-88 03-08-89	<.01 <.01	-- --	.60 .02	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dieldrin, total (µg/L) (39380)	Disyston, total (µg/L) (39011)	2,4-D, total (µg/L) (39730)	2,4-DP, total (µg/L) (82183)	Endosulfan, total (µg/L) (39388)	Endrin, total (µg/L) (39390)	Ethion, total (µg/L) (39398)	Heptachlor epoxide, total (µg/L) (39420)	Heptachlor, total (µg/L) (39410)
50	06885500	11-16-88	<.01	--	0.06	<.01	<.01	<.01	<.01	<.01	<.01
		11-16-88	<.01	--	.05	<.01	<.01	<.01	<.01	<.01	<.01
		03-09-89	<.01	--	.03	<.01	<.01	<.01	<.01	<.01	<.01
		05-31-89	<.01	--	.10	<.01	<.01	<.01	<.01	<.01	<.01
52	06887000	11-15-88	<.01	--	.05	<.01	<.01	<.01	<.01	<.01	<.01
		03-08-89	<.01	--	.06	<.01	<.01	<.01	<.01	<.01	<.01
		06-02-89	<.01	--	.03	<.01	<.01	<.01	<.01	<.01	<.01
56	06888030	11-15-88	<.01	--	.02	<.01	<.01	<.01	<.01	<.01	<.01
		03-08-89	<.01	--	.04	<.01	<.01	<.01	<.01	<.01	<.01
		06-01-89	--	--	.22	<.01	--	--	<.01	--	<.01
58	06888350	11-15-88	<.01	--	.02	<.01	<.01	<.01	<.01	<.01	<.01
		03-10-89	<.01	--	.03	<.01	<.01	<.01	<.01	<.01	<.01
		05-30-89	<.01	--	.16	<.01	<.01	<.01	<.01	<.01	<.01
59	06888500	05-20-87	--	--	.02	<.01	--	--	--	--	--
		05-27-87	--	--	.06	<.01	--	--	--	--	--
		06-23-87	--	--	.03	<.01	--	--	--	--	--
		11-15-88	<.01	--	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-08-89	<.01	--	<.01	<.01	<.01	<.01	<.01	<.01	<.01
62	06889000	06-01-89	<.01	--	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		11-15-88	<.01	--	.03	<.01	<.01	<.01	<.01	<.01	<.01
		03-07-89	<.01	--	.02	<.01	<.01	<.01	<.01	<.01	<.01
		06-01-89	<.01	--	.07	<.01	<.01	<.01	<.01	<.01	<.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down- stream order map and reference number (plate 1)	U.S. Geological Survey identification number	Date	Lindane, total (µg/L) (39340)	Malathion, total (µg/L) (39530)	Methoxy- chlor, total (µg/L) (39480)	Methyl parathion, total (µg/L) (39600)	Methyl trithion, total (µg/L) (39790)	Mirex, total (µg/L) (39755)	Naph- thalenes polychlor, total (µg/L) (39250)	Parathion, total (µg/L) (39540)
1	06879100	11-15-88 03-08-89 06-01-89	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 <.1	<.01 <.01 <.01
3	06879650	05-20-87 06-22-87	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
14	405220097024000	06-24-89	--	--	--	--	--	--	--	--
15	405128097032000	06-24-89 08-27-89	-- <.001	-- <.01	-- <.01	-- <.01	-- <.01	-- <.01	-- <.1	-- .01
22	404432097111100	06-25-89 08-27-89	-- .001	-- <.01	-- <.01	-- <.01	-- <.01	-- <.01	-- <.1	-- .02
23	06880800	11-15-88 03-08-89 05-31-89	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 <.1	<.01 <.01 <.01
24	404247097104000	06-25-89 08-27-89	-- <.001	-- <.01	-- <.01	-- <.01	-- <.01	-- <.01	-- <.1	-- .01
35	06882000	11-14-88 03-07-89 05-30-89	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 <.1	<.01 <.01 <.01
36	06882510	11-16-88 03-09-89 05-31-89	<.01 <.01 --	<.01 <.01 <.01	<.01 <.01 --	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 --	<.01 <.01 <.01
47	06884025	11-14-88 03-08-89	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01	<.01 <.01	<.1 <.1	<.01 <.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order map and reference number (plate 1)	U.S. Geological Survey identification number	Date	Lindane, total (µg/L) (39340)	Malathion, total (µg/L) (39530)	Methoxy-chlor, total (µg/L) (39480)	Methyl parathion, total (µg/L) (39600)	Methyl trithion, total (µg/L) (39790)	Mirex, total (µg/L) (39755)	Naph-thalenes polychlor, total (µg/L) (39250)	Parathion, total (µg/L) (39540)
50	06885500	11-16-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		11-16-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-09-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		05-31-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
52	06887000	11-15-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-08-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		06-02-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
56	06888030	11-15-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-08-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		06-01-89	--	<.01	--	<.01	<.01	<.01	--	<.01
58	06888350	11-15-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-10-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		05-30-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
59	06888500	05-20-87	--	--	--	--	--	--	--	--
		05-27-87	--	--	--	--	--	--	--	--
		06-23-87	--	--	--	--	--	--	--	--
		11-15-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
62	06889000	03-08-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		06-01-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		11-15-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		03-07-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
		06-01-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	PCB, total (µg/L) (39516)	Perthane, total (µg/L) (39034)	Phorate, total (µg/L) (39023)	Picloram (Tordon), total (µg/L) (39720)	Silvex, total (µg/L) (39760)	Toxaphene, total (µg/L) (39400)	Trithion, total (µg/L) (39786)	2,4-5,T, total (µg/L) (39740)
1	06879100	11-15-88 03-08-89 06-01-89	<0.1 <1 <1	<0.1 <1 <1	-- -- --	-- -- --	<0.01 <0.01 <0.01	<1 <1 <1	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01
3	06879650	05-20-87 06-22-87	-- --	-- --	-- --	-- --	<0.01 <0.01	-- --	-- --	<0.01 <0.01
14	405220097024000	06-24-89	--	--	--	<0.01	<0.01	--	--	<0.01
15	405128097032000	06-24-89 08-27-89	-- <1	-- <1	-- <0.01	<0.01 <10	<0.01 <10	-- <1	-- <0.01	<0.01 <10
22	404432097111100	06-25-89 08-27-89	-- <1	-- <1	-- <0.01	<0.01 <0.01	<0.01 <0.01	-- <1	-- <0.01	<0.01 <0.01
23	06880800	11-15-88 03-08-89 05-31-89	<1 <1 <1	<1 <1 <1	-- -- --	-- -- --	<0.01 -- <0.01	<1 <1 <1	<0.01 <0.01 <0.01	<0.01 -- <0.01
24	404247097104000	06-25-89 08-27-89	-- <1	-- <1	-- <0.01	<0.01 <10	<0.01 <10	-- <1	-- <0.01	<0.01 <10
35	06882000	11-14-88 03-07-89 05-30-89	<1 <1 <1	<1 <1 <1	-- -- --	-- -- --	<0.01 <0.01 <0.01	<1 <1 <1	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01
36	06882510	11-16-88 03-09-89 05-31-89	<1 <1 <1	<1 <1 --	-- -- --	-- -- --	<0.01 <0.01 <0.01	<1 <1 --	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01
47	06884025	11-14-88 03-08-89	<1 <1	<1 <1	-- --	-- --	<0.01 <0.01	<1 <1	<0.01 <0.01	<0.01 <0.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	PCB, total (µg/L) (39516)	Perthane, total (µg/L) (39034)	Phorate, total (µg/L) (39023)	Picloram (Tordon), total (µg/L) (39720)	Silvex, total (µg/L) (39760)	Toxaphene, total (µg/L) (39400)	Trithion, total (µg/L) (39786)	2,4-5 T, total (µg/L) (39740)
50	06885500	11-16-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		11-16-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-09-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		05-31-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
52	06887000	11-15-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-08-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-02-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
56	06888030	11-15-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-08-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-01-89	<.1	--	--	--	<.01	--	<.01	<.01
58	06888350	11-15-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-10-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		05-30-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
59	06888500	05-20-87	--	--	--	--	<.01	--	--	.02
		05-27-87	--	--	--	--	<.01	--	--	<.01
		06-23-87	--	--	--	--	<.01	--	--	<.01
		11-15-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-08-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-01-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
62	06889000	11-15-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-01-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Aldrin, total (µg/L) (39330)	Chlordane, total (µg/L) (39350)	DDD, total (µg/L) (39360)	DDE, total (µg/L) (39365)	DDT, total (µg/L) (39370)	DEF, total (µg/L) (39040)	Diazinon, total (µg/L) (39570)	Dicamba (Mediben) total (µg/L) (82052)
64	06889500	11-14-88	1530	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-07-89	1230	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-07-89	1330	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		05-31-89	1430	<.01	<.1	<.01	<.01	<.01	--	<.01	--
66	390056095420102	03-27-89	2215	<.01	.1	<.01	<.01	<.01	--	--	0.58
		09-05-89	1045	--	--	--	--	--	--	--	<.01
		09-08-89	1325	<.001	.1	<.001	<.001	<.001	<1.0	46	<.01
67	390056095420101	09-08-89	1325	<.001	.2	<.001	<.001	.013	<.01	.02	<.01
72	06890100	11-17-88	1020	<.01	<.1	<.01	<.01	<.01	--	<.01	--
		03-09-89	1230	<.01	<.1	<.01	<.01	<.01	--	.01	--
		06-02-89	0945	<.01	<.1	<.01	<.01	<.01	--	<.01	--
80	385608095174400	08-28-89	0005	--	--	--	--	--	--	--	<1.0
82	385802095182500	08-27-89	2355	--	--	--	--	--	--	--	<1.0
85	385359095143000	08-28-89	0025	--	--	--	--	--	--	--	<.01
		09-08-89	1530	--	--	--	--	--	--	--	<.01
88	06892350	11-16-88	1510	<.01	<.1	<.01	<.01	<.01	--	.02	--
		03-07-89	1550	<.01	<.1	<.01	<.01	<.01	--	.01	--
		03-07-89	1630	<.01	<.1	<.01	<.01	<.01	--	.01	--
		05-30-89	1905	<.01	<.1	<.01	<.01	<.01	--	.01	--
90	06892940	11-14-88	1210	<.01	.2	<.01	<.01	<.01	--	.12	--
		03-07-89	0925	<.01	.1	<.01	<.01	.01	--	.05	--
		06-02-89	1440	<.01	.1	<.01	<.01	<.01	--	.13	--

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dieldrin, total (ug/L) (39380)	Disyston, total (ug/L) (39011)	2,4-D, total (ug/L) (39730)	2,4-DP, total (ug/L) (82183)	Endosulfan, total (ug/L) (39388)	Endrin, total (ug/L) (39390)	Ethion, total (ug/L) (39398)	Heptachlor epoxide, total (ug/L) (39420)	Heptachlor, total (ug/L) (39410)
64	06889500	11-14-88 03-07-89 03-07-89 05-31-89	<.01 <.01 <.01 <.01	-- -- -- --	0.03 .01 .01 .08	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01
66	390056095420102	03-27-89 09-05-89 09-08-89	<.01 -- .005	-- -- <1.0	4.5 .06 <.01	<.01 <.01 <.01	<.01 -- <.001	<.01 -- <.001	-- -- <1.0	<.01 -- <.001	<.01 -- <.001
67	390056095420101	09-08-89	.006	<.01	<.01	<.01	<.001	<.001	<.01	<.001	<.001
72	06890100	11-17-88 03-09-89 06-02-89	<.01 <.01 <.01	-- -- --	.08 .04 .42	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01
80	385608095174400	08-28-89	--	--	<1.0	<1.0	--	--	--	--	--
82	385802095182500	08-27-89	--	--	<1.0	<1.0	--	--	--	--	--
85	385359095143000	08-28-89 09-08-89	-- --	-- --	<.01 <.01	<.01 <.01	-- --	-- --	-- --	-- --	-- --
88	06892350	11-16-88 03-07-89 03-07-89 05-30-89	<.01 <.01 <.01 <.01	-- -- -- --	.04 .02 .02 .14	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01
90	06892940	11-14-88 03-07-89 06-02-89	.03 .02 .03	-- -- --	.36 .07 .26	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	.03 <.01 <.01	.02 <.01 <.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Lindane, total (ug/L) (39340)	Malathion, total (ug/L) (39530)	Methoxy-chlor, total (ug/L) (39480)	Methyl parathion, total (ug/L) (39600)	Methyl trithion, total (ug/L) (39790)	Mirex, total (ug/L) (39755)	Naphthalenes polychlor, total (ug/L) (39250)	Parathion, total (ug/L) (39540)
64	06889500	11-14-88 03-07-89 03-07-89 05-31-89	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.1 <.1 <.1 <.1	<.01 <.01 <.01 <.01
66	390056095420102	03-27-89 09-05-89 09-08-89	<.01 -- <.001	-- -- <1.0	<.01 -- .02	-- -- <1.0	-- -- <1.0	<.01 -- <.01	<.1 -- <.1	-- -- <1.0
67	390056095420101	09-08-89	.001	<.01	.01	<.01	<.01	<.01	<.1	<.01
72	06890100	11-17-88 03-09-89 06-02-89	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 <.1	<.01 <.01 <.01
80	385608095174400	08-28-89	--	--	--	--	--	--	--	--
82	385802095182500	08-27-89	--	--	--	--	--	--	--	--
85	385359095143000	08-28-89 09-08-89	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
88	06892350	11-16-88 03-07-89 03-07-89 05-30-89	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.01 <.01 <.01 <.01	<.1 <.1 <.1 <.1	<.01 <.01 <.01 <.01
90	06892940	11-14-88 03-07-89 06-02-89	.02 .01 .01	.04 <.01 .01	.02 .02 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.01 <.01 <.01	<.1 <.1 <.1	<.01 <.01 <.01

Table 15. Concentrations of organochlorine, organophosphorus, and chlorophenoxy-acid pesticides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	PCB, total (µg/L) (39516)	Perthane, total (µg/L) (39034)	Phorate, total (µg/L) (39023)	Picloram (Tordon), (Amdon), total (µg/L) (39720)	Silvex, total (µg/L) (39760)	Toxaphene, total (µg/L) (39400)	Trithion, total (µg/L) (39786)	2,4,5-T, total (µg/L) (39740)
64	06889500	11-14-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		05-31-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
66	390056095420102	03-27-89	<.1	<.1	--	<.01	<.01	<.1	--	<.01
		09-05-89	--	--	--	.01	<.01	--	--	<.01
		09-08-89	<.1	<.1	<1.0	.01	<.01	<.1	<1.0	<.01
67	390056095420101	09-08-89	<.1	<.1	<.01	.02	<.01	<.1	<.01	<.01
72	06890100	11-17-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-09-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-02-89	<.1	<.1	--	--	<.01	<.1	<.01	.01
80	385608095174400	08-28-89	--	--	--	<1.0	<1.0	--	--	<1.0
82	385802095182500	08-27-89	--	--	--	<1.0	<1.0	--	--	<1.0
85	385359095143000	08-28-89	--	--	--	<.01	<.01	--	--	<.01
		09-08-89	--	--	--	<.01	<.01	--	--	<.01
88	06892350	11-16-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		05-30-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
90	06892940	11-14-88	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		03-07-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01
		06-02-89	<.1	<.1	--	--	<.01	<.1	<.01	<.01

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. µg/L, micrograms per liter; <, less than; --, not determined]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
1	06879100	07-27-88	1300	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<0.1
		11-15-88	1205	<.1	<.1	.4	<.1	<.1	<.1	<.1
		01-27-89	1015	<.1	<.1	.4	<.1	<.1	<.1	<.1
		02-17-89	1210	<.1	<.1	.4	<.1	<.1	<.1	<.1
		03-08-89	1000	<.1	<.1	.7	<.1	<.1	<.1	<.1
		03-17-89	1000	<.1	<.1	.7	<.1	<.1	<.1	<.1
		04-24-89	1035	<.1	<.1	.8	<.1	<.1	<.1	<.1
		05-16-89	0815	<.1	<.1	.9	<.1	<.1	<.1	<.1
		05-25-89	1100	<.1	<.1	.3	<.1	<.1	<.1	<.1
		06-01-89	1010	<.1	<.1	.7	.1	<.1	<.1	<.1
		06-15-89	1005	2.3	<.1	6.1	.1	<.1	<.1	<.1
		07-11-89	0830	<.1	<.1	6.0	<.1	<.1	<.1	<.1
		08-18-89	0835	<.1	<.1	1.6	<.1	<.1	<.1	<.1
		09-11-89	1045	<.1	<.1	1.1	<.1	<.1	<.1	<.1
2	390255096435000	10-02-89	1030	<.1	<.1	1.3	<.1	<.1	<.1	<.1
		11-17-89	0900	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		12-19-89	1115	<.1	<.1	1.6	<.1	<.1	<.1	<.1
		01-10-90	1420	<.1	<.1	.9	<.1	<.1	<.1	<.1
		02-09-90	0910	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		07-27-88	1150	<.1	<.1	.4	<.1	<.1	<.1	<.1
		11-15-88	1050	<.1	<.1	.1	<.1	<.1	<.1	<.1
3	06879650	03-08-89	1140	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	0830	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-22-87	1040	<.1	<.1	<.1	--	--	--	--
		09-11-89	1520	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-03-89	0855	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-17-89	1315	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-15-89	1305	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-13-90	1030	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
5	06879820	07-24-88 11-16-88 03-09-89 06-02-89	1020 0850 0930 0820	<0.1 <1 <1 <1	<0.1 <1 <1 <1	1.1 .6 .8 .7	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1
6	06879900	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1250 0730 1200 1015 1445	<1 .1 <1 <1 .2	<1 <1 <1 <1 <1	.7 2.4 .3 .6 .4	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1
9	405221097582100	07-26-88 11-15-88 03-07-89 05-31-89	0945 0815 1015 0930	1.0 .1 <1 1.1	.4 1.7 .2 .4	8.8 11 2.6 32	-- <1 .3 <1	-- <1 <1 <1	-- <1 <1 <1	-- <1 <1 <1
10	405438097354800	07-26-88 11-14-88 03-07-89 05-31-89	0900 1345 1000 1330	<1 <1 <1 <1	.1 .2 .4 .1	2.1 4.7 5.6 2.0	<1 <1 .2 .6	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
11	06880000	07-26-88 11-14-88 03-08-89 05-31-89	0845 1050 1215 1600	.1 <1 <1 <1	.1 <1 <1 <1	2.5 .1 .7 .1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
12	06880500	07-26-88 11-14-88 03-08-89	1000 0845 1130	.1 <1 <1	<1 <1 <1	2.0 .1 .6	<1 <1 <1	<1 <1 <1	<1 <1 <1	<1 <1 <1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
1	06879100	07-27-88	0.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-27-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-17-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		04-24-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-16-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-25-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	.1	<.1	.1	<.1
		06-15-89	<.1	<.1	<.1	<.1	.6	.1	.3	<.1
		07-11-89	.3	<.1	<.1	<.1	1.4	<.1	.1	<.1
		08-18-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		09-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
2	390255096435000	10-02-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		11-17-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		12-19-89	.1	<.1	<.1	.1	.1	<.1	<.1	<.1
		01-10-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-09-90	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		07-27-88	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
3	06879650	11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-22-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		09-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-03-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-13-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
5	06879820	07-24-88 11-16-88 03-09-89 06-02-89	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1	0.1 .1 <1 .1	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1
6	06879900	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	<1 .5 .1 <1 .1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	<1 1.0 <1 .1 <1	<1 <1 <1 <1 <1	<1 <1 .1 <1 <1	<1 <1 <1 <1 <1
9	405221097582100	07-26-88 11-15-88 03-07-89 05-31-89	3.3 1.2 .2 4.1	-- <1 <1 <1	-- <1 <1 <1	-- <1 <1 <1	2.5 .1 .2 1.3	<1 <1 <1 <1	.3 3.7 .3 1.2	<1 <1 <1 <1
10	405438097354800	07-26-88 11-14-88 03-07-89 05-31-89	.2 .4 .5 1.4	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	.1 .2 .1 .1	<1 <1 <1 <1	.2 .8 1.2 .1	<1 <1 <1 <1
11	06880000	07-26-88 11-14-88 03-08-89 05-31-89	.3 <1 <1 .1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	.2 <1 .2 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
12	06880500	07-26-88 11-14-88 03-08-89	.2 <1 <1	<1 <1 <1	<1 <1 <1	<1 <1 <1	.1 <1 .2	<1 <1 <1	<1 <1 <1	<1 <1 <1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
1	06879100	07-27-88	<.1	0.3	0.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-27-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-17-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		04-24-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-16-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		05-25-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	.1	.1	<.1	<.1	<.1	<.1
		06-15-89	<.1	.2	<.1	<.1	<.1	<.1	<.1
		07-11-89	<.1	1.3	<.1	<.1	<.1	<.1	<.1
2	390255096435000	08-18-89	<.1	.2	<.1	<.1	<.1	<.1	<.1
		09-11-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		10-02-89	<.1	.2	<.1	<.1	<.1	<.1	<.1
		11-17-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		12-19-89	<.1	.1	.8	<.1	<.1	<.1	<.1
		01-10-90	<.1	.1	<.1	<.1	<.1	<.1	<.1
3	06879650	02-09-90	<.1	.1	<.1	<.1	<.1	<.1	<.1
		07-27-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-22-87	-	<.1	<.1	<.1	-	<.1	-
5	06879820	09-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-03-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-13-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-24-88	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-16-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	<.1	.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map number reference (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
6	06879900	09-28-87	--	<0.1	<0.1	<0.01	--	<0.1	--
		07-26-88	<0.1	<1	<1	<1	<0.1	<1	<0.1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	.1	<1	<1	<1	<1
9	405221097582100	05-31-89	<1	<1	<1	<1	<1	<1	<1
		07-26-88	--	.1	.2	<1	--	<1	--
		11-15-88	<1	.1	.1	<1	<1	<1	<1
		03-07-89	<1	<1	<1	<1	<1	<1	<1
10	405438097354800	05-31-89	<1	.2	.1	<1	<1	<1	<1
		07-26-88	<1	<1	.1	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-07-89	<1	.1	<1	<1	<1	<1	<1
11	06880000	05-31-89	<1	<1	<1	<1	<1	<1	<1
		07-26-88	<1	<1	.1	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
12	06880500	05-31-89	<1	<1	<1	<1	<1	<1	<1
		07-26-88	<1	<1	.1	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
14	405220097024000	06-24-89 08-27-89	1200 1255	56 .6	<0.1 <.1	0.5 .4	<0.1 <.1	<0.1 <.1	<0.1 <.1	<0.1 <.1
15	405128097032000	06-24-89 08-27-89	1230 1310	<.1 <.1	<.1 <.1	26 2.3	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
16	403611098200600	07-26-88 11-15-88 03-07-89 05-30-89	0630 1015 1600 1145	.1 <.1 <.1 <.1	.4 <.1 <.1 <.1	.4 .1 .3 1.6	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
17	404247097580600	07-25-88 11-15-88 03-07-89	1230 1130 1300	<.1 <.1 <.1	.2 <.1 <.1	1.5 .1 .5	<.1 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1
18	403749097503400	07-25-88 11-15-88 03-07-89 05-30-89	1130 1230 1445 1445	.1 <.1 4.1 .5	.1 <.1 .1 .1	4.4 .3 22 3.3	<.1 <.1 .5 .3	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
19	404327097354600	07-25-88 11-15-88 03-07-89 05-31-89	1200 1300 1245 1100	.1 <.1 <.1 2.6	.3 <.1 <.1 <.1	2.2 .1 .4 11	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
21	405029097322100	07-26-88 11-14-88 03-07-89 05-31-89	1010 1425 1145 1245	<.1 <.1 <.1 .2	.2 <.1 <.1 <.1	2.8 .1 .3 .9	<.1 <.1 <.1 .1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
22	404432097111100	06-25-89 08-27-89	0945 1330	1.1 <.1	<.1 <.1	47 3.5	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
23	06880800	05-13-87 05-15-87 05-19-87 05-21-87 05-27-87	0930 0855 1330 0915 1400	-- .9 .2 -- 5.0	<.1 <.1 <.1 <.1 <.1	7.3 4.2 2.1 1.7 16	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (ug/L) (77825)	Ametryne, total (ug/L) (82184)	Atrazine, total (ug/L) (39630)	Bromacil, water whole, recoverable (ug/L) (30234)	Butachlor, water whole, recoverable (ug/L) (30235)	Butylate, water whole, recoverable (ug/L) (30236)	Carboxin, water whole, recoverable (ug/L) (30245)
23	06880800	05-29-87	1130	2.0	<0.1	17	--	--	--	--
		06-05-87	1000	1.0	<1	11	--	--	--	--
		06-08-87	1045	<1	<1	2.4	--	--	--	--
		06-10-87	1100	3.0	<1	18	--	--	--	--
		06-11-87	1030	4.0	<1	17	--	--	--	--
		06-16-87	1030	.6	<1	7.2	--	--	--	--
		07-15-87	1100	.1	.1	3.7	--	--	--	--
		08-11-87	1000	<1	.1	2.2	--	--	--	--
		09-09-87	1030	<1	<1	.5	--	--	--	--
		09-29-87	1545	<1	<1	.3	--	--	--	--
		11-03-87	1000	<1	<1	.1	--	--	--	--
		12-01-87	1000	<1	<1	.1	--	--	--	--
		01-26-88	1030	<1	<1	.1	--	--	--	--
		02-22-88	1100	.1	<1	.3	--	--	--	--
		03-21-88	1100	<1	<1	.1	--	--	--	--
		04-18-88	1020	<1	<1	.1	<0.1	<0.1	<0.1	<0.1
		05-24-88	1130	3.1	<1	13	<1	<1	.1	<1
		06-20-88	1030	.1	<1	1.5	<1	<1	<1	<1
		07-18-88	1000	.1	.1	3.8	<1	<1	<1	<1
		07-25-88	1245	.2	.1	3.6	<1	<1	<1	<1
		08-08-88	1115	<1	<2	1.8	<1	<1	<1	<1
		08-31-88	1400	<1	<1	.6	<1	<1	<1	<1
		10-12-88	1230	<1	<1	.5	<1	<1	<1	<1
		11-07-88	1200	<1	<1	.2	<1	<1	<1	<1
		11-15-88	1420	<1	<1	.2	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, recoverable (µg/L) (82612)	Metribuzin, water whole, total (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
14	405220097024000	06-24-89 08-27-89	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
15	405128097032000	06-24-89 08-27-89	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
16	403611098200600	07-26-88 11-15-88 03-07-89 05-30-89	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
17	404247097580600	07-25-88 11-15-88 03-07-89	.4 .1 .1	<.1 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1	.3 <.1 .1	<.1 <.1 <.1	<.1 <.1 .1	<.1 <.1 <.1
18	403749097503400	07-25-88 11-15-88 03-07-89 05-30-89	.7 <.1 .1 .2	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.8 <.1 .2 .3	<.1 <.1 .1 <.1	<.1 <.1 .1 .2	<.1 <.1 <.1 <.1
19	404327097354600	07-25-88 11-15-88 03-07-89 05-31-89	.5 <.1 .1 2.5	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.2 <.1 .2 7.9	<.1 <.1 <.1 .8	<.1 <.1 <.1 .1	<.1 <.1 <.1 <.1
21	405029097322100	07-26-88 11-14-88 03-07-89 05-31-89	.3 <.1 <.1 .4	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.1 <.1 <.1 .2	<.1 <.1 <.1 .1	<.1 <.1 .1 1.2	<.1 <.1 <.1 <.1
22	404432097111100	06-25-89 08-27-89	.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
23	06880800	05-13-87 05-15-87 05-19-87 05-21-87 05-27-87	1.0 .7 .2 .2 3.7	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- 1.0 .5 -- 4.0	-- <.1 <.1 -- .4	.1 .1 <.1 <.1 .3	<.1 <.1 <.1 <.1 <.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (ug/L) (81757)	Cycloate, water whole, recoverable (ug/L) (30254)	Diphenamid, water whole, recoverable (ug/L) (30255)	Hexazinone, water whole, recoverable (ug/L) (30264)	Metolachlor, water whole, total recoverable (ug/L) (82612)	Metribuzin, water whole, total recoverable (ug/L) (82611)	Prometon, total (ug/L) (39056)	Prometryne, total (ug/L) (39057)
23	06880800	05-29-87	1.6	--	--	--	2.0	0.3	0.3	<0.1
		06-05-87	1.2	--	--	--	2.0	.2	.1	<.1
		06-08-87	.5	--	--	--	.4	<.1	<.1	<.1
		06-10-87	1.7	--	--	--	2.0	.3	.1	<.1
		06-11-87	1.5	--	--	--	2.0	.4	.2	<.1
		06-16-87	.8	--	--	--	.9	.1	<.1	<.1
		07-15-87	.3	--	--	--	.5	<.1	<.1	<.1
		08-11-87	.1	--	--	--	<.1	<.1	.3	<.1
		09-09-87	.1	--	--	--	<.1	<.1	<.1	<.1
		09-29-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		11-03-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		12-01-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		01-26-88	<.1	--	--	--	<.1	<.1	<.1	<.1
		02-22-88	<.1	--	--	--	.1	<.1	<.1	<.1
		03-21-88	<.1	--	--	--	<.1	<.1	<.1	<.1
		04-18-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-24-88	3.9	<.1	<.1	<.1	2.5	.3	<.1	<.1
		06-20-88	.3	<.1	<.1	<.1	.1	<.1	<.1	<.1
		07-18-88	.4	<.1	<.1	<.1	.2	<.1	<.1	<.1
		07-25-88	.3	<.1	<.1	<.1	.4	<.1	<.1	<.1
		08-08-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		08-31-88	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-12-88	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		11-07-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
14	405220097024000	06-24-89 08-27-89	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
15	405128097032000	06-24-89 08-27-89	.6 <.1	.2 <.1	.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
16	403611098200600	07-26-88 11-15-88 03-07-89 05-30-89	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
17	404247097580600	07-25-88 11-15-88 03-07-89	<.1 <.1 <.1	<.1 <.1 <.1	.2 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1	<.1 <.1 <.1
18	403749097503400	07-25-88 11-15-88 03-07-89 05-30-89	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	2.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
19	404327097354600	07-25-88 11-15-88 03-07-89 05-31-89	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.5 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
21	405029097322100	07-26-88 11-14-88 03-07-89 05-31-89	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	.4 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1	<.1 <.1 <.1 <.1
22	404432097111100	06-25-89 08-27-89	.7 .4	.4 <.1	.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1	<.1 <.1
23	06880800	05-13-87 05-15-87 05-19-87 05-21-87 05-27-87	-- -- -- -- --	.1 .1 <.1 <.1 .3	1.0 .6 .2 .1 .4	<.1 <.1 <.1 <.1 <.1	-- -- -- -- --	-- <.1 <.1 -- <.1	-- -- -- -- --

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
23	06880800	05-29-87	--	0.2	0.3	<0.1	--	<0.1	--
		06-05-87	--	.2	.3	<1	--	<1	--
		06-08-87	--	<1	.1	<1	--	<1	--
		06-10-87	--	.4	.2	<1	--	.1	--
		06-11-87	--	.3	.4	<1	--	.1	--
		06-16-87	--	.1	.3	<1	--	<1	--
		07-15-87	--	<1	.5	<1	--	<1	--
		08-11-87	--	<1	.1	<1	--	<1	--
		09-09-87	--	<1	<1	<1	--	<1	--
		09-29-87	--	<1	<1	<1	--	<1	--
		11-03-87	--	<1	<1	<1	--	<1	--
		12-01-87	--	<1	<1	<1	--	<1	--
		01-26-88	--	<1	<1	<1	--	<1	--
		02-22-88	--	<1	<1	<1	--	<1	--
		03-21-88	--	<1	<1	<1	--	<1	--
		04-18-88	<0.1	<1	<1	<1	<0.1	<1	<0.1
		05-24-88	.4	.2	1.0	<1	3.0	<1	<1
		06-20-88	<1	<1	<1	<1	<1	<1	<1
		07-18-88	<1	.1	.5	<1	<1	<1	<1
		07-25-88	<1	<1	.6	<1	<1	<1	<1
		08-08-88	<1	<1	.1	<1	<1	<1	<1
		08-31-88	<1	<1	.1	<1	<1	<1	<1
		10-12-88	<1	<1	<1	<1	<1	<1	<1
		11-07-88	<1	<1	<1	<1	<1	<1	<1
		11-15-88	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
23	06880800	12-06-88	1000	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
		01-03-89	1130	<.1	<.1	.1	<.1	<.1	<.1	<.1
		02-07-89	1000	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	1400	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	1345	<.1	<.1	.3	<.1	<.1	<.1	<.1
		04-04-89	0955	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-02-89	0830	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-31-89	1430	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		06-21-89	1020	.1	<.1	3.2	<.1	<.1	<.1	<.1
		06-27-89	1030	3.4	<.1	29	<.1	<.1	<.1	<.1
		06-28-89	1200	2.5	<.1	18	<.1	<.1	<.1	<.1
		06-29-89	1130	2.7	.1	25	<.1	<.1	<.1	<.1
		06-30-89	0915	2.1	.1	27	<.1	<.1	<.1	<.1
		08-22-89	1010	.1	.2	1.9	<.1	<.1	<.1	<.1
24	404247097104000	09-05-89	1030	.2	.2	2.3	<.1	<.1	<.1	<.1
		10-31-89	1330	<.1	<.1	.4	<.1	<.1	<.1	<.1
		11-28-89	1000	<.1	<.1	.2	--	--	--	--
		12-18-89	1135	<.1	<.1	.2	--	--	--	--
		01-17-90	1130	<.1	<.1	.2	--	--	--	--
		02-12-90	1400	<.1	<.1	.2	--	--	--	--
		06-25-89	0845	<.1	<.1	51	<.1	<.1	<.1	<.1
		08-27-89	1345	<.1	<.1	2.5	<.1	<.1	<.1	<.1
26	06881000	09-29-87	1430	<.1	<.1	.4	--	--	--	--
		07-25-88	1030	.2	.1	3.3	<.1	<.1	<.1	<.1
		11-14-88	1530	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-08-89	1500	<.1	<.1	.5	<.1	<.1	<.1	<.1
		05-31-89	1300	.1	<.1	2.2	<.1	<.1	<.1	<.1
		07-25-88	1325	.2	.1	12	<.1	<.1	<.1	<.1
27	403304097311400	11-15-88	1110	<.1	<.1	3.5	<.1	<.1	<.1	<.1
		03-07-89	1345	.1	<.1	1.0	<.1	<.1	<.1	<.1
		05-30-89	1445	.1	.1	3.8	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
28	06881200	09-29-87	1320	<.1	<.1	0.3	--	--	--	--
		07-25-88	0600	.5	.1	5.4	<.1	<.1	<.1	<.1
		11-14-88	1445	<.1	<.1	.4	<.1	<.1	<.1	<.1
		03-07-89	0855	.1	<.1	.5	<.1	<.1	<.1	<.1
		05-31-89	1215	<.1	<.1	.3	<.1	<.1	<.1	<.1
29	402348096591100	07-25-88	0630	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		11-14-88	1200	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	1240	<.1	<.1	.3	<.1	<.1	<.1	<.1
		05-31-89	1100	<.1	<.1	.3	<.1	<.1	<.1	<.1
31	401730096500200	07-26-88	0510	.1	<.1	9.8	<.1	<.1	<.1	<.1
		11-14-88	1045	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	0900	<.1	<.1	.3	<.1	<.1	<.1	<.1
		05-30-89	1630	<.1	<.1	.2	<.1	<.1	<.1	<.1
32	06881500	07-25-88	1330	.4	.2	4.4	<.1	<.1	<.1	<.1
		07-25-88	1700	.5	.1	5.8	<.1	<.1	<.1	<.1
		07-25-88	2100	.4	.1	5.8	<.1	<.1	<.1	<.1
		07-26-88	0115	.3	.1	4.5	<.1	<.1	<.1	<.1
		07-26-88	0950	.2	.1	3.8	<.1	<.1	<.1	<.1
34	400632096401600	07-27-88	0510	.1	.1	4.2	<.1	<.1	<.1	<.1
		11-14-88	0900	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	1000	<.1	<.1	.6	<.1	<.1	<.1	<.1
		05-30-89	1000	.3	<.1	3.2	<.1	<.1	<.1	<.1
34	400632096401600	07-25-88	0650	.5	<.1	8.9	<.1	<.1	<.1	<.1
		11-14-88	1020	<.1	<.1	.7	<.1	<.1	<.1	<.1
		03-07-89	1520	<.1	<.1	.5	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
23	06880800	12-06-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-03-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-04-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-02-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	.2	<.1	<.1	<.1	<.1	<.1	.1	<.1
		06-21-89	.4	<.1	<.1	<.1	1.0	<.1	.9	<.1
		06-27-89	1.3	<.1	<.1	<.1	2.3	.2	<.1	<.1
24	404247097104000	06-28-89	1.6	<.1	<.1	<.1	2.8	.1	<.1	<.1
		06-29-89	1.9	<.1	<.1	<.1	2.9	.3	<.1	<.1
		06-30-89	2.1	<.1	<.1	<.1	3.1	.3	<.1	<.1
		08-22-89	.1	<.1	<.1	<.1	.2	<.1	.1	<.1
		09-05-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		10-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-28-89	<.1	--	--	--	<.1	<.1	<.1	<.1
		12-18-89	<.1	--	--	--	<.1	<.1	<.1	<.1
		01-17-90	<.1	--	--	--	<.1	<.1	<.1	<.1
		02-12-90	<.1	--	--	--	<.1	<.1	<.1	<.1
26	06881000	06-25-89	6.8	<.1	<.1	<.1	13	<.1	<.1	<.1
		08-27-89	.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
27	403304097311400	09-29-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-25-88	.3	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	.1	<.1	.1	<.1
		05-31-89	.2	<.1	<.1	<.1	.1	<.1	.1	<.1
27	403304097311400	07-25-88	.8	<.1	<.1	<.1	1.2	.1	.1	<.1
		11-15-88	.1	<.1	<.1	<.1	.2	<.1	.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		05-30-89	.5	<.1	<.1	<.1	.2	<.1	.4	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
28	06881200	09-29-87 07-25-88 11-14-88 03-07-89 05-31-89	<0.1 <1 <1 <1 .1	-- <0.1 <1 <1 <1	-- <0.1 <1 <1 <1	-- <0.1 <1 <1 <1	<0.1 1.2 .1 .1 .2	<0.1 <1 <1 <1 <1	<0.1 .2 <1 <1 <1	<0.1 <1 <1 <1 <1
29	402348096591100	07-25-88 11-14-88 03-07-89 05-31-89	.1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
31	401730096500200	07-26-88 11-14-88 03-08-89 05-30-89	.6 <1 .1 .2	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	1.1 <1 .1 <1	.1 <1 3.4 <1	<1 <1 <1 <1	<1 <1 <1 <1
32	06881500	07-25-88 07-25-88 07-25-88 07-26-88 07-26-88	.5 .4 .5 .4 .3	<1 <1 <1 <1 <1	<1 <1 <1 <1 <1	<1 <1 <1 <1 <1	.7 .6 .7 .3 .3	<1 <1 <1 <1 <1	<1 <1 <1 <1 <1	<1 <1 <1 <1 <1
34	400632096401600	07-27-88 11-14-88 03-07-89 05-30-89 07-25-88 11-14-88 03-07-89	.2 <1 <1 .4 .9 .1 <1	<1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1	.4 <1 .1 .3 1.3 <1 <1	<1 <1 <1 <1 .1 <1 <1	<1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
23	06880800	12-06-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-03-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-04-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-02-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-21-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-27-89	.3	.3	<.1	<.1	<.1	<.1	<.1
		06-28-89	.2	.2	1.0	<.1	<.1	<.1	<.1
		06-29-89	.2	.3	.7	<.1	<.1	<.1	<.1
		06-30-89	.1	.2	.8	<.1	<.1	<.1	<.1
		08-22-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
24	404247097104000	09-05-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		10-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-28-89	--	<.1	<.1	<.1	--	<.1	--
		12-18-89	--	<.1	<.1	<.1	--	<.1	--
		01-17-90	--	<.1	<.1	<.1	--	<.1	--
		02-12-90	--	<.1	<.1	<.1	--	<.1	--
26	06881000	06-25-89	<.1	.5	.1	<.1	<.1	<.1	<.1
		08-27-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
27	403304097311400	09-29-87	--	<.1	<.1	<.1	--	<.1	--
		07-25-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
27	403304097311400	07-25-88	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
28	06881200	09-29-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		07-25-88	<0.1	.1	.1	<.1	<0.1	<.1	<0.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
29	402348096591100	07-25-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
31	401730096500200	07-26-88	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
32	06881500	07-25-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		07-25-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		07-25-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		07-26-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		07-26-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		07-27-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
34	400632096401600	07-25-88	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
35	06882000	09-28-87	1050	<0.1	<0.1	0.8	--	--	--	--
		07-25-88	0540	.2	.1	4.3	<0.1	<0.1	<0.1	<0.1
		11-14-88	1145	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	1435	<.1	<.1	.4	<.1	<.1	<.1	<.1
		04-19-89	1130	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-24-89	0940	<.1	<.1	.5	<.1	<.1	<.1	<.1
		05-30-89	1245	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		06-27-89	1245	.6	<.1	19	.2	<.1	<.1	<.1
		07-11-89	0930	.4	.1	8.9	<.1	<.1	<.1	<.1
		08-16-89	0825	<.1	.1	2.3	<.1	<.1	<.1	<.1
36	06882510	09-06-89	1020	.1	<.1	2.4	<.1	<.1	<.1	<.1
		11-29-89	1030	<.1	<.1	.2	--	--	--	--
		12-19-89	0920	<.1	<.1	.2	--	--	--	--
		01-18-90	1000	<.1	<.1	.2	--	--	--	--
		02-13-90	1030	<.1	<.1	.1	--	--	--	--
		07-25-88	1230	.2	<.1	5.1	<.1	<.1	<.1	<.1
		11-16-88	1050	<.1	<.1	.2	<.1	<.1	<.1	<.1
37	402726098240500	03-09-89	0940	<.1	<.1	.5	<.1	<.1	<.1	<.1
		05-31-89	1240	.1	<.1	.5	<.1	<.1	<.1	<.1
		07-26-88	0515	.1	.1	4.9	<.1	<.1	<.1	<.1
		11-15-88	1100	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	0800	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-30-89	1200	<.1	<.1	.1	<.1	<.1	<.1	<.1
38	06883000	09-30-87	0925	<.1	<.1	.3	--	--	--	--
		07-26-88	0810	<.1	.1	4.8	<.1	<.1	<.1	<.1
		11-15-88	0940	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	0920	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-30-89	1320	<.1	<.1	.3	<.1	<.1	<.1	<.1
		07-26-88	0630	<.1	.2	5.5	<.1	<.1	<.1	<.1
39	401243097433500	11-15-88	0815	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	1100	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-31-89	1030	.1	<.1	.4	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
40	06883570	07-26-88 11-14-88 03-08-89 05-31-89	0630 1655 1345 1200	<0.1 <1 <1 <1	0.1 <1 <1 <1	4.9 .4 .2 .5	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1	<0.1 <1 <1 <1
41	401826097451100	07-26-88	0600	<1	.1	5.8	<1	<1	<1	<1
42	06883940	09-28-87 07-26-88 11-14-88 1730 03-08-89 05-31-89	1530 0545 1730 1250 1130	<1 <1 <1 <1 <1	<1 .1 <1 <1 <1	.1 3.3 <1 .1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1
44	06884000	07-25-88 11-14-88 03-08-89 05-31-89	0845 1555 1225 1300	.1 <1 <1 .1	.1 <1 <1 <1	3.6 .3 .1 .5	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
46	400359097101400	07-25-88 11-14-88 03-08-89 05-31-89	0615 1515 1200 1330	.2 <1 <1 <1	<1 <1 <1 <1	7.2 .1 .1 .3	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1	<1 <1 <1 <1
47	06884025	09-28-87 07-25-88 11-14-88 03-08-89 05-01-89	1030 1150 1350 1040 1200	<1 <1 <1 <1 <1	<1 .1 <1 <1 <1	.4 4.1 .2 .1 .2	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1	-- <1 <1 <1 <1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
35	06882000	09-28-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-25-88	.5	<.1	<.1	<.1	.4	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-19-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-24-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		05-30-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		06-27-89	.3	<.1	<.1	<.1	1.4	<.1	<.1	<.1
36	06882510	07-11-89	.9	<.1	<.1	<.1	1.8	.1	<.1	<.1
		08-16-89	.2	<.1	<.1	<.1	.2	<.1	<.1	<.1
		09-06-89	.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-29-89	<.1	--	--	--	<.1	<.1	<.1	<.1
		12-19-89	<.1	--	--	--	<.1	<.1	<.1	<.1
		01-18-90	<.1	--	--	--	<.1	<.1	<.1	<.1
		02-13-90	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-25-88	.6	<.1	<.1	<.1	.8	<.1	<.1	<.1
37	402726098240500	11-16-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-26-88	.1	<.1	<.1	<.1	1.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
38	06883000	03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-30-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-26-88	.1	<.1	<.1	<.1	1.0	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
39	401243097433500	03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-26-88	.3	<.1	<.1	<.1	1.4	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
39	401243097433500	05-31-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine,	Cycloate,	Diphenamid,	Hexazinone,	Metolachlor,	Metribuzin,	Prometone,	Prometryne,
			total (µg/L) (81757)	water whole, recoverable (µg/L) (30254)	water whole, recoverable (µg/L) (30255)	water whole, recoverable (µg/L) (30264)	water whole, recoverable (µg/L) (82612)	water whole, recoverable (µg/L) (82611)	total (µg/L) (39056)	total (µg/L) (39057)
40	06883570	07-26-88	0.2	<.1	<.1	<.1	0.6	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
		05-31-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	
41	401826097451100	07-26-88	.3	<.1	<.1	.3	<.1	<.1	<.1	
42	06883940	09-28-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-26-88	.2	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
44	06884000	07-25-88	.2	<.1	<.1	<.1	.4	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
46	400359097101400	07-25-88	.4	<.1	<.1	<.1	.7	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
47	06884025	09-28-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-25-88	.3	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-01-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map number reference (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
35	06882000	09-28-87	--	<0.1	0.1	<0.1	--	<0.1	--
		07-25-88	<0.1	.1	1.8	<.1	<0.1	<.1	<0.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-19-89	<.1	<.1	.8	<.1	<.1	<.1	<.1
		05-24-89	<.1	<.1	3.1	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-27-89	.1	.1	.1	<.1	<.1	<.1	<.1
		07-11-89	<.1	.1	1.6	<.1	<.1	<.1	<.1
		08-16-89	<.1	<.1	1.0	<.1	<.1	<.1	<.1
36	06882510	09-06-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-29-89	--	<.1	1.0	<.1	--	<.1	--
		12-19-89	--	<.1	<.1	<.1	--	<.1	--
		01-18-90	--	<.1	.1	<.1	--	<.1	--
		02-13-90	--	<.1	.1	<.1	--	<.1	--
		07-25-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		11-16-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
37	402726098240500	03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		07-26-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
38	06883000	05-30-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-30-87	--	<.1	<.1	<.1	--	<.1	--
		07-26-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
39	401243097433500	05-30-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		07-26-88	<.1	.1	.4	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map number reference (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
40	06883570	07-26-88	<0.1	0.1	0.5	<0.1	<0.1	<0.1	<0.1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	<1	.1	<1	<1	<1	<1
41	401826097451100	07-26-88	<1	.2	.6	<1	<1	<1	
42	06883940	09-28-87	--	<1	<1	<1	--	<1	--
		07-26-88	<1	.1	.2	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	<1	<1	<1	<1	<1	<1
44	06884000	07-25-88	<1	.1	.2	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	<1	.1	<1	<1	<1	<1
46	400359097101400	07-25-88	<1	.1	.5	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	.2	<1	<1	<1	<1	<1	<1
47	06884025	09-28-87	--	<1	<1	<1	--	<1	--
		07-25-88	<1	.1	.2	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-01-89	<1	<1	<1	<1	<1	<1	

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
47	06884025	05-31-89	1420	0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1
		06-22-89	1240	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		06-26-89	1130	1.4	.3	28	<.1	<.1	<.1	<.1
		08-15-89	1800	<.1	.1	1.7	<.1	<.1	<.1	<.1
		09-06-89	1130	.1	<.1	1.4	<.1	<.1	<.1	<.1
		10-23-89	1430	<.1	<.1	.3	--	--	--	--
		11-28-89	1530	<.1	<.1	.2	--	--	--	--
		12-19-89	1150	<.1	<.1	.2	--	--	--	--
		01-18-90	1300	<.1	<.1	.1	--	--	--	--
		02-13-90	1300	<.1	<.1	.2	--	--	--	--
48	395513096561100	07-26-88	1215	.1	<.1	3.9	--	--	--	--
		11-16-88	1400	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-09-89	0830	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-31-89	1415	.1	<.1	.6	<.1	<.1	<.1	<.1
		07-25-88	1400	.1	.1	4.5	<.1	<.1	<.1	<.1
		11-16-88	1130	<.1	<.1	.2	<.1	<.1	<.1	<.1
49	06884400	11-16-88	1135	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-08-89	1630	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-08-89	1715	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-31-89	1540	.1	<.1	.7	<.1	<.1	<.1	<.1
		05-31-89	1550	.1	<.1	.9	<.1	<.1	<.1	<.1
		07-24-88	1320	.1	<.1	1.1	<.1	<.1	<.1	<.1
50	06885500	11-16-88	1340	<.1	<.1	.1	<.1	<.1	<.1	<.1
		11-16-88	1355	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-26-89	1120	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-16-89	1210	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-09-89	1130	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-16-89	1025	<.1	<.1	.1	<.1	<.1	<.1	<.1
		04-25-89	0915	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-15-89	1120	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-31-89	1055	.1	<.1	.4	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
50	06885500	06-16-89	1330	2.4	<0.1	8.1	<0.1	<0.1	<0.1	<0.1
		06-27-89	1245	1.6	<1	16	<1	<1	<1	<1
		07-10-89	1030	.3	<1	5.3	<1	<1	<1	<1
		08-17-89	1040	<1	<1	1.0	<1	<1	<1	<1
		09-18-89	1100	<1	<1	.5	<1	<1	<1	<1
		10-04-89	1150	<1	<1	.3	<1	<1	<1	<1
		11-16-89	1040	<1	<1	.1	<1	<1	<1	<1
		12-14-89	1100	<1	<1	.1	<1	<1	<1	<1
		01-10-90	1025	<1	<1	.1	<1	<1	<1	<1
		02-08-90	1100	<1	<1	.1	<1	<1	<1	<1
51	06886500	07-24-88	1445	<1	<1	2.8	<1	<1	<1	<1
		11-16-88	0940	<1	<1	.4	<1	<1	<1	<1
		03-09-89	1115	<1	<1	<1	<1	<1	<1	<1
		05-31-89	1730	<1	<1	.5	<1	<1	<1	<1
52	06887000	09-30-87	1045	.2	<1	4.0	--	--	--	--
		09-30-87	1125	.2	<1	4.0	--	--	--	--
		11-24-87	1330	<1	<1	3.2	--	--	--	--
		07-24-88	1045	.2	<1	2.8	<1	<1	<1	<1
		11-15-88	1445	<1	<1	3.1	<1	<1	<1	<1
		01-26-89	1535	<1	<1	2.6	<1	<1	<1	<1
		02-17-89	0810	<1	<1	2.3	<1	<1	<1	<1
		03-08-89	1430	<1	<1	1.4	<1	<1	<1	<1
		03-16-89	1510	<1	<1	1.9	<1	<1	<1	<1
		04-24-89	1425	<1	<1	2.0	<1	<1	<1	<1
		05-15-89	1540	<1	<1	1.3	<1	<1	<1	<1
		06-02-89	1030	<1	<1	1.3	<1	<1	<1	<1
		06-16-89	0850	<1	<1	1.4	<1	<1	<1	<1
		07-10-89	1515	.1	<1	1.9	<1	<1	<1	<1
		08-17-89	1445	.4	<1	8.2	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
47	06884025	05-31-89	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-22-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		06-26-89	1.0	<0.1	<0.1	<0.1	2.5	.2	.1	<0.1
		08-15-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		09-06-89	<0.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		10-23-89	<0.1	--	--	--	<0.1	<0.1	.1	<0.1
		11-28-89	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		12-19-89	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		01-18-90	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		02-13-90	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
48	395513096561100	07-26-88	<0.1	--	--	--	.6	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-09-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		07-25-88	.3	<0.1	<0.1	<0.1	.5	<0.1	<0.1	<0.1
49	06884400	11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
50	06885500	05-31-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		07-24-88	<0.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		01-26-89	.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		02-16-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-09-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-16-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		04-25-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-15-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	.8	<0.1
		05-31-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	.1	<0.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
50	06885500	06-16-89	<0.1	<0.1	<0.1	<0.1	1.6	0.2	0.3	<0.1
		06-27-89	<1	<1	<1	<1	2.5	.3	<1	<1
		07-10-89	.1	<1	<1	<1	1.0	.1	.1	<1
		08-17-89	<1	<1	<1	<1	.2	<1	<1	<1
		09-18-89	<1	<1	<1	<1	.1	<1	<1	<1
		10-04-89	<1	<1	<1	<1	<1	<1	<1	<1
		11-16-89	<1	<1	<1	<1	<1	<1	<1	<1
		12-14-89	<1	<1	<1	<1	<1	<1	<1	<1
51	06886500	01-10-90	<1	<1	<1	<1	<1	<1	<1	<1
		02-08-90	<1	<1	<1	<1	<1	<1	<1	<1
		07-24-88	.1	<1	<1	<1	.5	<1	<1	<1
		11-16-88	<1	<1	<1	<1	<1	<1	<1	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1	<1
52	06887000	05-31-89	.1	<1	<1	<1	.3	<1	<1	<1
		09-30-87	.2	-	-	-	.5	<1	.1	<1
		09-30-87	.2	-	-	-	.5	<1	.1	<1
		11-24-87	.1	-	-	-	.2	<1	<1	<1
		07-24-88	.2	<1	<1	<1	.5	<1	<1	<1
		11-15-88	.2	<1	<1	<1	.3	<1	<1	<1
		01-26-89	.2	<1	<1	<1	<1	<1	<1	<1
		02-17-89	.1	<1	<1	<1	.2	<1	<1	<1
		03-08-89	.1	<1	<1	<1	.2	<1	<1	<1
		03-16-89	.1	<1	<1	<1	.2	<1	<1	<1
		04-24-89	.1	<1	<1	<1	.1	<1	<1	<1
		05-15-89	.1	<1	<1	<1	.2	<1	<1	<1
		06-02-89	<1	<1	<1	<1	.1	<1	<1	<1
		06-16-89	.1	<1	<1	<1	.2	<1	<1	<1
		07-10-89	.1	<1	<1	<1	.2	<1	<1	<1
		08-17-89	.3	<1	<1	<1	1.0	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
47	06884025	05-31-89	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
		06-22-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-26-89	.2	.2	.3	<0.1	<0.1	.1	<0.1
		08-15-89	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		09-06-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		10-23-89	--	<0.1	<0.1	<0.1	--	<0.1	--
		11-28-89	--	<0.1	<0.1	<0.1	--	<0.1	--
		12-19-89	--	<0.1	<0.1	<0.1	--	<0.1	--
		01-18-90	--	<0.1	<0.1	<0.1	--	<0.1	--
		02-13-90	--	<0.1	<0.1	<0.1	--	<0.1	--
48	395513096561100	07-26-88	--	.1	.1	<0.1	--	<0.1	--
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-09-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		07-25-88	<0.1	.1	.3	<0.1	<0.1	<0.1	<0.1
49	06884400	11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	.2	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	.3	<0.1	<0.1	<0.1	<0.1
		07-24-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		01-26-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
50	06885500	02-16-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-09-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-16-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		04-25-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-15-89	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		07-24-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-16-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		01-26-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
50	06885500	06-16-89	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-27-89	.1	.1	<.1	<.1	<.1	<.1	<.1
		07-10-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		08-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-18-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-04-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-16-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-14-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-10-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-08-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
51	06886500	07-24-88	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-16-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-30-87	-	.1	.1	<.1	-	<.1	-
52	06887000	09-30-87	-	.1	.1	<.1	-	<.1	-
		11-24-87	-	<.1	.1	<.1	-	<.1	-
		07-24-88	<.1	.1	.3	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	.2	<.1	<.1	<.1	<.1
		01-26-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		02-17-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-08-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-16-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		04-24-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-15-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		06-02-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		06-16-89	<.1	<.1	.2	<.1	<.1	<.1	<.1
		07-10-89	<.1	<.1	.3	<.1	<.1	<.1	<.1
		08-17-89	<.1	.1	.2	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
52	06887000	09-12-89	1055	0.2	<0.1	3.7	<0.1	<0.1	<0.1	<0.1
		10-03-89	1415	.1	<.1	1.9	<.1	<.1	<.1	<.1
		11-16-89	1415	<.1	<.1	1.5	<.1	<.1	<.1	<.1
		12-15-89	0845	<.1	<.1	1.6	<.1	<.1	<.1	<.1
		01-09-90	1235	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		02-08-90	1530	<.1	<.1	1.5	<.1	<.1	<.1	<.1
55	392844096093500	07-27-88	0930	<.1	<.1	.8	<.1	<.1	<.1	<.1
		11-15-88	1330	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	1345	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	0900	.1	<.1	1.7	<.1	<.1	<.1	<.1
56	06888030	09-29-87	1410	<.1	<.1	.3	--	--	--	--
		07-27-88	1120	<.1	<.1	1.4	<.1	<.1	<.1	<.1
		11-15-88	1115	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-08-89	1100	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	1450	.1	<.1	1.9	<.1	<.1	<.1	<.1
57	06888300	07-29-88	0815	<.1	<.1	.3	<.1	<.1	<.1	<.1
		03-08-89	1645	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	1645	<.1	<.1	<.1	<.1	<.1	<.1	<.1
58	06888350	09-29-87	0930	.1	<.1	2.7	--	--	--	--
		07-27-88	0910	.1	<.1	2.8	<.1	<.1	<.1	<.1
		11-15-88	1445	<.1	<.1	2.2	<.1	<.1	<.1	<.1
		03-10-89	1110	<.1	<.1	.9	<.1	<.1	<.1	<.1
		05-30-89	1845	.1	<.1	.8	<.1	<.1	<.1	<.1
59	06888500	05-20-87	1315	--	<.1	.1	--	--	--	--
		06-23-87	1315	<.1	<.1	.6	--	--	--	--
		07-20-87	1005	<.1	<.1	.1	--	--	--	--
		08-18-87	0940	<.1	<.1	<.1	--	--	--	--
		09-22-87	1300	<.1	<.1	<.1	--	--	--	--
		10-20-87	1445	<.1	<.1	<.1	--	--	--	--
		11-23-87	1245	<.1	<.1	<.1	--	--	--	--

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
59	06888500	12-22-87	1330	<0.1	<0.1	0.1	--	--	--	--
		02-17-88	1350	<1	<1	<1	--	--	--	--
		03-15-88	1300	<1	<1	<1	--	--	--	--
		04-18-88	1445	<1	<1	<1	<0.1	<0.1	<0.1	<0.1
		06-08-88	1000	<1	<1	.3	<1	<1	<1	<1
		07-06-88	1520	<1	<1	.2	<1	<1	<1	<1
		07-27-88	1010	<1	<1	.2	<1	<1	<1	<1
		11-15-88	1100	<1	<1	<1	<1	<1	<1	<1
		01-24-89	1345	<1	<1	<1	<1	<1	<1	<1
		01-24-89	1350	<1	<1	<1	<1	<1	<1	<1
		02-14-89	1310	<1	<1	<1	<1	<1	<1	<1
		03-08-89	1310	<1	<1	<1	<1	<1	<1	<1
		03-14-89	1300	<1	<1	<1	<1	<1	<1	<1
		04-20-89	1220	<1	<1	<1	<1	<1	<1	<1
		05-18-89	1210	<1	<1	<1	<1	<1	<1	<1
		06-01-89	1145	<1	<1	.1	<1	<1	<1	<1
		06-13-89	1250	<1	<1	.1	<1	<1	<1	<1
		07-13-89	0935	.1	<1	1.1	<1	<1	<1	<1
		08-14-89	1320	<1	<1	.2	<1	<1	<1	<1
		09-05-89	1315	<1	<1	.3	<1	<1	<1	<1
		09-14-89	0940	.1	<1	1.6	<1	<1	<1	<1
		10-06-89	0935	<1	<1	.1	<1	<1	<1	<1
		11-20-89	1335	<1	<1	<1	<1	<1	<1	<1
		12-12-89	1400	<1	<1	<1	<1	<1	<1	<1
		12-12-89	1405	<1	<1	<1	<1	<1	<1	<1
		01-11-90	0930	<1	<1	<1	<1	<1	<1	<1
		02-06-90	1350	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
52	06887000	09-12-89	0.4	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1
		10-03-89	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		11-16-89	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		12-15-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		01-09-90	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		02-08-90	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
55	392844096093500	07-27-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	.1	<0.1
		11-15-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	<0.1	<0.1	.6	<0.1	<0.1	<0.1
56	06888030	09-29-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		07-27-88	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		11-15-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-01-89	<0.1	<0.1	<0.1	<0.1	1.2	<0.1	<0.1	<0.1
57	06888300	07-29-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-01-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
58	06888350	09-29-87	.1	--	--	--	.3	<0.1	<0.1	<0.1
		07-27-88	.2	<0.1	<0.1	<0.1	.3	<0.1	<0.1	<0.1
		11-15-88	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		03-10-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-30-89	<0.1	<0.1	<0.1	<0.1	.3	<0.1	.1	<0.1
59	06888500	05-20-87	<0.1	--	--	--	--	--	<0.1	<0.1
		06-23-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		07-20-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		08-18-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		09-22-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		10-20-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		11-23-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
59	06888500	12-22-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		02-17-88	<1	--	--	--	<1	<1	<1	<1
		03-15-88	<1	--	--	--	<1	<1	<1	<1
		04-18-88	<1	<0.1	<0.1	<0.1	<1	<1	<1	<1
		06-08-88	<1	<1	<1	<1	<1	<1	<1	<1
		07-06-88	<1	<1	<1	<1	<1	<1	<1	<1
		07-27-88	<1	<1	<1	<1	<1	<1	<1	<1
		11-15-88	<1	<1	<1	<1	<1	<1	<1	<1
		01-24-89	<1	<1	<1	<1	<1	<1	<1	<1
		01-24-89	<1	<1	<1	<1	<1	<1	<1	<1
		02-14-89	<1	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1	<1
		03-14-89	<1	<1	<1	<1	<1	<1	<1	<1
		04-20-89	<1	<1	<1	<1	<1	<1	<1	<1
		05-18-89	<1	<1	<1	<1	<1	<1	<1	<1
		06-01-89	<1	<1	<1	<1	<1	<1	<1	<1
		06-13-89	<1	<1	<1	<1	<1	<1	<1	<1
		07-13-89	<1	<1	<1	<1	<1	<1	<1	<1
		08-14-89	<1	<1	<1	<1	<1	<1	<1	<1
		09-05-89	<1	<1	<1	<1	<1	<1	<1	<1
		09-14-89	.1	<1	<1	<1	.2	<1	<1	<1
		10-06-89	<1	<1	<1	<1	<1	<1	<1	<1
		11-20-89	<1	<1	<1	<1	<1	<1	<1	<1
		12-12-89	<1	<1	<1	<1	<1	<1	<1	<1
		12-12-89	<1	<1	<1	<1	<1	<1	<1	<1
		01-11-90	<1	<1	<1	<1	<1	<1	<1	<1
		02-06-90	<1	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
52	06887000	09-12-89	<0.1	0.1	0.2	<0.1	<0.1	<0.1	<0.1
		10-03-89	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		11-16-89	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		12-15-89	<0.1	<0.1	.2	<0.1	<0.1	<0.1	<0.1
		01-09-90	<0.1	<0.1	.2	<0.1	<0.1	<0.1	<0.1
		02-08-90	<0.1	<0.1	.2	<0.1	<0.1	<0.1	<0.1
55	392844096093500	07-27-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-15-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		05-31-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
56	06888030	09-29-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		07-27-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-15-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-01-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
57	06888300	07-29-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-01-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
58	06888350	09-29-87	--	.1	.1	<0.1	--	<0.1	--
		07-27-88	<0.1	.1	.2	<0.1	<0.1	<0.1	<0.1
		11-15-88	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		03-10-89	<0.1	<0.1	.1	<0.1	<0.1	<0.1	<0.1
		05-30-89	<0.1	.1	.1	<0.1	<0.1	<0.1	<0.1
59	06888500	05-20-87	--	<0.1	<0.1	<0.1	--	--	--
		06-23-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		07-20-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		08-18-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		09-22-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		10-20-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		11-23-87	--	<0.1	<0.1	<0.1	--	<0.1	--

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
59	06888500	12-22-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		02-17-88	--	<1	<1	<1	--	<1	--
		03-15-88	--	<1	<1	<1	--	<1	--
		04-18-88	<0.1	<1	<1	<1	<0.1	<1	<0.1
		06-08-88	<1	<1	<1	<1	<1	<1	<1
		07-06-88	<1	<1	<1	<1	<1	<1	<1
		07-27-88	<1	<1	<1	<1	<1	<1	<1
		11-15-88	<1	<1	<1	<1	<1	<1	<1
		01-24-89	<1	<1	<1	<1	<1	<1	<1
		01-24-89	<1	<1	<1	<1	<1	<1	<1
		02-14-89	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		03-14-89	<1	<1	<1	<1	<1	<1	<1
		04-20-89	<1	<1	<1	<1	<1	<1	<1
		05-18-89	<1	<1	<1	<1	<1	<1	<1
		06-01-89	<1	<1	<1	<1	<1	<1	<1
		06-13-89	<1	<1	<1	<1	<1	<1	<1
		07-13-89	<1	<1	<1	<1	<1	<1	<1
		08-14-89	<1	<1	<1	<1	<1	<1	<1
		09-05-89	<1	<1	<1	<1	<1	<1	<1
		09-14-89	<1	<1	.1	<1	<1	<1	<1
		10-06-89	<1	<1	<1	<1	<1	<1	<1
		11-20-89	<1	<1	<1	<1	<1	<1	<1
		12-12-89	<1	<1	<1	<1	<1	<1	<1
		12-12-89	<1	<1	<1	<1	<1	<1	<1
		01-11-90	<1	<1	<1	<1	<1	<1	<1
		02-06-90	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable ($\mu\text{g/L}$) (77825)	Ametryne, total ($\mu\text{g/L}$) (82184)	Atrazine, total ($\mu\text{g/L}$) (39630)	Bromacil, water whole, recoverable ($\mu\text{g/L}$) (30234)	Butachlor, water whole, recoverable ($\mu\text{g/L}$) (30235)	Butylate, water whole, recoverable ($\mu\text{g/L}$) (30236)	Carboxin, water whole, recoverable ($\mu\text{g/L}$) (30245)
60	390820095571500	07-29-88	0535	<.1	<.1	0.9	<.1	<.1	<.1	<.1
		11-15-88	1240	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-09-89	1230	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	1310	.1	<.1	1.0	<.1	.1	<.1	<.1
61	06888705	07-29-88	0415	.1	<.1	2.4	<.1	<.1	<.1	<.1
		11-15-88	1030	<.1	<.1	2.0	<.1	<.1	<.1	<.1
		03-08-89	1030	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		05-31-89	1710	<.1	<.1	.8	<.1	<.1	<.1	<.1
		09-28-87	1400	.1	<.1	2.8	--	--	--	--
62	06889000	07-29-88	0530	.1	<.1	2.8	<.1	<.1	<.1	<.1
		11-15-88	0755	<.1	<.1	2.2	<.1	<.1	<.1	<.1
		01-24-89	0940	<.1	<.1	1.5	<.1	<.1	<.1	<.1
		02-14-89	0925	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	1510	<.1	<.1	.4	<.1	<.1	<.1	<.1
		03-14-89	0905	<.1	<.1	.9	<.1	<.1	<.1	<.1
		04-20-89	0840	<.1	<.1	.9	<.1	<.1	<.1	<.1
		05-18-89	0905	.1	<.1	1.0	<.1	<.1	<.1	<.1
		06-01-89	1815	<.1	<.1	.8	<.1	<.1	<.1	<.1
		06-13-89	0900	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		07-13-89	1225	.3	<.1	3.0	<.1	<.1	<.1	<.1
		08-14-89	0940	.2	<.1	4.9	<.1	<.1	<.1	<.1
63	06889160	09-14-89	1300	.1	<.1	3.2	<.1	<.1	<.1	<.1
		10-06-89	1300	<.1	<.1	2.0	<.1	<.1	<.1	<.1
		11-20-89	0905	<.1	<.1	1.2	<.1	<.1	<.1	<.1
		12-12-89	0925	<.1	<.1	1.3	<.1	<.1	<.1	<.1
		01-08-90	0920	<.1	<.1	.8	<.1	<.1	<.1	<.1
		02-06-90	0930	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		07-29-88	0910	<.1	<.1	.4	<.1	<.1	<.1	<.1
		11-14-88	1000	.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	1010	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-01-89	1300	.6	<.1	13	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
64	06889500	09-28-87	1200	<.1	<.1	0.6	--	--	--	--
		09-28-87	1215	<.1	<.1	.4	--	--	--	--
		07-28-88	1230	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		11-14-88	1530	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	1230	<.1	<.1	.1	<.1	<.1	<.1	<.1
71	394757095434300	03-07-89	1330	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-31-89	1430	.5	<.1	11	<.1	<.1	<.1	<.1
		07-27-88	0610	<.1	<.1	.1	<.1	<.1	<.1	<.1
		11-17-88	1230	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-09-89	1100	<.1	<.1	.1	<.1	<.1	<.1	<.1
72	06890100	06-01-89	1445	<.1	<.1	.4	<.1	<.1	<.1	<.1
		07-27-88	0745	<.1	<.1	.8	<.1	<.1	<.1	<.1
		11-17-88	1020	<.1	<.1	.1	<.1	<.1	<.1	<.1
		01-25-89	1215	<.1	<.1	.1	<.1	<.1	<.1	<.1
		02-15-89	1030	<.1	<.1	1.5	<.1	<.1	<.1	<.1
		03-09-89	1230	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-15-89	1130	<.1	<.1	.2	<.1	<.1	<.1	<.1
		04-19-89	0920	<.1	<.1	.2	<.1	<.1	<.1	<.1
		05-17-89	1315	<.1	<.1	2.3	<.1	<.1	<.1	<.1
		05-22-89	1450	.2	<.1	7.1	<.1	<.1	<.1	<.1
		06-02-89	0945	.2	<.1	5.2	<.1	<.1	<.1	<.1
		06-14-89	0915	.6	<.1	22	<.1	<.1	<.1	<.1
		07-12-89	0945	.1	<.1	9.4	<.1	<.1	<.1	<.1
		08-16-89	0935	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		09-06-89	1115	.1	<.1	1.1	<.1	<.1	<.1	<.1
		09-10-89	1155	<.1	<.1	1.4	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
60	390820095571500	07-29-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
61	06888705	07-29-88	.2	<.1	<.1	<.1	.4	<.1	<.1	<.1
		11-15-88	.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		03-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	.1	<.1	.1	<.1
62	06889000	09-28-87	.1	--	--	--	.3	<.1	<.1	<.1
		07-29-88	.2	<.1	<.1	<.1	.4	<.1	<.1	<.1
		11-15-88	.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		01-24-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-14-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-14-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		04-20-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-18-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
63	06889160	06-13-89	<.1	<.1	<.1	<.1	.1	<.1	.1	<.1
		07-13-89	<.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		08-14-89	.2	<.1	<.1	<.1	.5	<.1	<.1	<.1
		09-14-89	.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		10-06-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		11-20-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		12-12-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		01-08-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-06-90	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		07-29-88	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	7.8	<.1	.2	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (ug/L) (81757)	Cycloate, water whole, recoverable (ug/L) (30254)	Diphenamid, water whole, recoverable (ug/L) (30255)	Hexazinone, water whole, recoverable (ug/L) (30264)	Metolachlor, water whole, total recoverable (ug/L) (82612)	Metribuzin, water whole, total recoverable (ug/L) (82611)	Prometon, total (ug/L) (39056)	Prometryne, total (ug/L) (39057)
64	06889500	09-28-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		09-28-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-28-88	.1	<0.1	<0.1	<0.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
71	394757095434300	03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	1.0	<.1	<.1	<.1
		07-27-88	<.1	<.1	<.1	<.1	<.1	<.1	.2	<.1
		11-17-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
72	06890100	06-01-89	<.1	<.1	<.1	<.1	<.1	<.1	.1	<.1
		07-27-88	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		11-17-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-25-89	.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-15-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-19-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-17-89	.2	<.1	<.1	<.1	1.2	<.1	.1	<.1
		05-22-89	.2	<.1	<.1	<.1	3.3	<.1	.1	<.1
		06-02-89	.4	<.1	<.1	<.1	1.0	<.1	<.1	<.1
		06-14-89	.2	<.1	<.1	<.1	7.3	.1	<.1	<.1
		07-12-89	<.1	<.1	<.1	<.1	1.0	<.1	.1	<.1
		08-16-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		09-06-89	<.1	<.1	<.1	<.1	.4	<.1	<.1	<.1
		09-10-89	<.1	<.1	<.1	<.1	.3	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
60	390820095571500	07-29-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-15-88	<1	<1	<1	<1	<1	<1	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1
		06-01-89	<1	<1	<1	<1	<1	<1	<1
61	06888705	07-29-88	<1	.1	.2	<1	<1	<1	<1
		11-15-88	<1	<1	.1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	.1	.1	<1	<1	<1	<1
62	06889000	09-28-87	--	.1	.1	<1	--	<1	--
		07-29-88	<1	.1	.2	<1	<1	<1	<1
		11-15-88	<1	<1	.1	<1	<1	<1	<1
		01-24-89	<1	<1	.1	<1	<1	<1	<1
		02-14-89	<1	<1	<1	<1	<1	<1	<1
		03-07-89	<1	<1	<1	<1	<1	<1	<1
		03-14-89	<1	<1	.1	<1	<1	<1	<1
		04-20-89	<1	<1	.1	<1	<1	<1	<1
63	06889160	05-18-89	<1	<1	.1	<1	<1	<1	<1
		06-01-89	<1	.1	.1	<1	<1	<1	<1
		06-13-89	<1	<1	.1	<1	<1	<1	<1
		07-13-89	<1	.2	.1	<1	<1	<1	<1
		08-14-89	<1	.2	.2	<1	<1	<1	<1
		09-14-89	<1	.1	.2	<1	<1	<1	<1
		10-06-89	<1	.1	.1	<1	<1	<1	<1
		11-20-89	<1	<1	.1	<1	<1	<1	<1
		12-12-89	<1	<1	.1	<1	<1	<1	<1
		01-08-90	<1	<1	.1	<1	<1	<1	<1
		02-06-90	<1	<1	.1	<1	<1	<1	<1
		07-29-88	<1	<1	<1	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-07-89	<1	<1	<1	<1	<1	<1	<1
		06-01-89	<1	.1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
64	06889500	09-28-87	--	<0.1	<0.1	<0.1	--	<0.1	--
		09-28-87	--	<1	<1	<1	--	<1	--
		07-28-88	<0.1	<1	<1	<1	<0.1	<1	<0.1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-07-89	<1	<1	<1	<1	<1	<1	<1
71	394757095434300	03-07-89	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	.1	<1	<1	<1	<1	<1
		07-27-88	<1	<1	.1	<1	<1	<1	<1
		11-17-88	<1	<1	<1	<1	<1	<1	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1
72	06890100	06-01-89	<1	<1	1.3	<1	<1	<1	<1
		07-27-88	<1	<1	<1	<1	<1	<1	<1
		11-17-88	<1	<1	<1	<1	<1	<1	<1
		01-25-89	<1	<1	<1	<1	<1	<1	<1
		02-15-89	<1	<1	.1	<1	<1	<1	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1
		03-15-89	<1	<1	<1	<1	<1	<1	<1
		04-19-89	<1	<1	<1	<1	<1	<1	<1
		05-17-89	<1	<1	<1	<1	<1	<1	<1
		05-22-89	<1	.1	<1	<1	<1	<1	<1
		06-02-89	<1	<1	.1	<1	<1	<1	<1
		06-14-89	<1	.1	1.0	<1	<1	<1	<1
		07-12-89	<1	.1	.1	<1	<1	<1	<1
		08-16-89	<1	<1	<1	<1	<1	<1	<1
		09-06-89	<1	<1	<1	<1	<1	<1	<1
		09-10-89	<1	<1	<1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable ($\mu\text{g/L}$) (77825)	Ametryne, total ($\mu\text{g/L}$) (82184)	Atrazine, total ($\mu\text{g/L}$) (39630)	Bromacil, water whole, recoverable ($\mu\text{g/L}$) (30234)	Butachlor, water whole, recoverable ($\mu\text{g/L}$) (30235)	Butylate, water whole, recoverable ($\mu\text{g/L}$) (30236)	Carboxin, water whole, recoverable ($\mu\text{g/L}$) (30245)
72	06890100	10-11-89	0925	<.1	<.1	0.9	<.1	<.1	<.1	<.1
		11-15-89	0920	<.1	<.1	.3	<.1	<.1	<.1	<.1
		12-13-89	1000	<.1	<.1	.3	<.1	<.1	<.1	<.1
		01-24-90	0850	<.1	<.1	.2	<.1	<.1	<.1	<.1
		02-07-90	1220	<.1	<.1	.2	<.1	<.1	<.1	<.1
73	392823095362800	07-27-88	0810	<.1	<.1	.2	<.1	<.1	<.1	<.1
		11-17-88	1300	.1	<.1	.5	<.1	<.1	<.1	<.1
		03-09-89	1400	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	1440	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	1100	<.1	<.1	.7	<.1	.1	.1	<.1
74	06890900	10-02-87	1115	.4	<.1	7.0	-	-	-	-
		07-29-88	1020	<.1	.1	3.8	<.1	<.1	<.1	<.1
		11-15-88	1430	<.1	.1	4.0	<.1	<.1	<.1	<.1
		01-25-89	0840	<.1	<.1	5.0	<.1	<.1	<.1	<.1
		02-15-89	1330	<.1	<.1	4.4	<.1	<.1	<.1	<.1
		03-07-89	0800	<.1	<.1	4.0	<.1	<.1	<.1	<.1
		03-15-89	0850	<.1	<.1	4.0	<.1	<.1	<.1	<.1
		04-19-89	1230	<.1	.1	5.6	<.1	<.1	<.1	<.1
		05-17-89	1040	<.1	<.1	3.0	<.1	<.1	<.1	<.1
		05-31-89	1630	<.1	<.1	4.1	<.1	<.1	<.1	<.1
		06-14-89	1215	<.1	<.1	3.9	<.1	<.1	<.1	<.1
		07-12-89	1250	<.1	<.1	3.0	<.1	<.1	<.1	<.1
		08-16-89	1155	<.1	<.1	3.1	<.1	<.1	<.1	<.1
		09-13-89	1120	<.1	<.1	2.7	<.1	<.1	<.1	<.1
		10-11-89	1300	<.1	<.1	2.7	<.1	<.1	<.1	<.1
		11-15-89	1250	<.1	<.1	1.7	<.1	<.1	<.1	<.1
		12-13-89	1300	<.1	<.1	2.0	<.1	<.1	<.1	<.1
		01-24-90	1220	.1	<.1	1.8	<.1	<.1	<.1	<.1
		02-07-90	0940	<.1	<.1	1.7	<.1	<.1	<.1	<.1
76	06891000	07-28-88	0615	<.1	<.1	2.5	<.1	<.1	<.1	<.1
		11-14-88	1400	<.1	<.1	2.0	<.1	<.1	<.1	<.1
		03-07-89	1400	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		05-31-89	1845	<.1	<.1	.6	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
77	06891080	07-28-88	0605	<0.1	<0.1	2.7	<0.1	<0.1	<0.1	<0.1
		11-14-88	1030	<1	<1	1.9	<1	<1	<1	<1
		03-07-89	1345	<1	<1	1.4	<1	<1	<1	<1
		06-03-89	0935	<1	<1	.8	<1	<1	<1	<1
78	06891100	07-28-88	0515	.1	<1	2.6	<1	<1	<1	<1
		11-14-88	1440	<1	<1	2.2	<1	<1	<1	<1
		03-07-89	1030	<1	<1	1.3	<1	<1	<1	<1
		06-01-89	1800	<1	<1	.8	<1	<1	<1	<1
79	38532909533400	07-29-88	0645	.2	<1	1.8	<1	<1	<1	<1
		03-07-89	1600	<1	<1	.5	<1	<1	<1	<1
		05-31-89	0930	<1	<1	.4	<1	<1	<1	<1
		06-11-89	1545	<1	<1	.4	<1	<1	<1	<1
80	385608095175400	09-08-89	1510	<1	<1	.1	<1	<1	<1	<1
		09-08-89	1545	<1	<1	.1	<1	<1	<1	<1
		09-29-87	1530	<1	<1	1.8	--	--	--	--
		09-29-87	1535	<1	<1	1.4	--	--	--	--
83	06891500	07-29-88	0530	.1	<1	2.0	<1	<1	<1	<1
		01-25-89	1600	<1	<1	.2	<1	<1	<1	<1
		02-15-89	1530	<1	<1	1.4	<1	<1	<1	<1
		03-07-89	1300	<1	<1	1.2	<1	<1	<1	<1
		03-15-89	1430	<1	<1	1.4	<1	<1	<1	<1
		04-19-89	1445	<1	<1	1.7	<1	<1	<1	<1
		05-17-89	0750	<1	<1	1.2	<1	<1	<1	<1
		05-31-89	1045	<1	<1	1.5	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
72	06890100	10-11-89	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
		11-15-89	<1	<1	<1	<1	<1	<1	<1	<1
		12-13-89	<1	<1	<1	<1	<1	<1	<1	<1
		01-24-90	<1	<1	<1	<1	<1	<1	<1	<1
		02-07-90	<1	<1	<1	<1	<1	<1	<1	<1
73	392823095362800	07-27-88	<1	<1	<1	<1	<1	<1	.1	<1
		11-17-88	<1	<1	<1	<1	<1	<1	.2	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1	<1
		03-09-89	<1	<1	<1	<1	<1	<1	<1	<1
		06-02-89	<1	<1	<1	<1	.1	<1	.2	<1
74	06890900	10-02-87	.2	--	--	--	2.0	<1	<1	<1
		07-29-88	.1	<1	<1	<1	.6	<1	<1	<1
		11-15-88	.1	<1	<1	<1	.4	<1	<1	<1
		01-25-89	.1	<1	<1	<1	<1	<1	<1	<1
		02-15-89	.1	<1	<1	<1	.3	<1	<1	<1
		03-07-89	.2	<1	<1	<1	.3	<1	<1	<1
		03-15-89	.1	<1	<1	<1	.3	<1	<1	<1
		04-19-89	.2	<1	<1	.1	.2	<1	<1	<1
		05-17-89	.1	<1	<1	<1	.2	<1	<1	<1
		05-31-89	.1	<1	<1	<1	.2	<1	<1	<1
		06-14-89	<1	<1	<1	<1	.1	<1	<1	<1
		07-12-89	<1	<1	<1	<1	.2	<1	<1	<1
		08-16-89	.1	<1	<1	<1	.2	<1	<1	<1
		09-13-89	.1	<1	<1	<1	.1	<1	<1	<1
		10-11-89	.1	<1	<1	<1	.1	<1	<1	<1
		11-15-89	<1	<1	<1	<1	.1	<1	<1	<1
		12-13-89	<1	<1	<1	<1	.1	<1	<1	<1
		01-24-90	<1	<1	<1	<1	.1	<1	<1	<1
		02-07-90	<1	<1	<1	<1	.1	<1	<1	<1
76	06891000	07-28-88	.2	<1	<1	<1	.3	<1	<1	<1
		11-14-88	.1	<1	<1	<1	.2	<1	<1	<1
		03-07-89	.1	<1	<1	<1	<1	<1	<1	<1
		05-31-89	<1	<1	<1	<1	.1	<1	.1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
77	06891080	07-28-88	0.3	<.1	<.1	<.1	0.3	<.1	<.1	<.1
		11-14-88	.2	<.1	<.1	<.1	.2	<.1	<.1	<.1
		03-07-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-03-89	<.1	<.1	<.1	<.1	.1	<.1	.1	<.1
78	06891100	07-28-88	.2	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-14-88	.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		03-07-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
79	385329095353400	07-29-88	<.1	<.1	<.1	<.1	.2	.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
80	385608095175400	06-11-89	<.1	<.1	<.1	<.1	<.1	<.1	.1	<.1
		09-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-08-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
83	06891500	09-29-87	<.1	--	--	--	.2	<.1	<.1	<.1
		09-29-87	<.1	--	--	--	<.1	<.1	<.1	<.1
		07-29-88	.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		01-25-89	.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-15-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		03-07-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		03-15-89	<.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		04-19-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		05-17-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
72	06890100	10-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-13-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-24-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
73	392823095362800	02-07-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-27-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-17-88	3.1	<.1	.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-09-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
74	06890900	10-02-87	-	.1	<.1	<.1	-	<.1	-
		07-29-88	<.1	.1	<.1	<.1	<.1	<.1	<.1
		11-15-88	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-25-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-19-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
		05-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-14-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-12-89	<.1	.1	<.1	<.1	<.1	<.1	<.1
76	06891000	08-16-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-13-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-13-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-24-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-07-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-28-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (ug/L) (30295)	Propazine, total (ug/L) (39024)	Simazine, total (ug/L) (39055)	Simetryne, total (ug/L) (39054)	Terbacil, water whole, recoverable (ug/L) (30311)	Trifluralin, total recoverable (ug/L) (39030)	Vernolate, water whole, recoverable (ug/L) (30324)
77	06891080	07-28-88	<.1	0.1	0.2	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-03-89	<.1	.1	.1	<.1	<.1	<.1	<.1
78	06891100	07-28-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-01-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
79	385329095353400	07-29-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
80	385608095175400	06-11-89	<.1	<.1	<.1	<.1	<.1	8.0	<.1
		09-08-89	<.1	<.1	<.1	<.1	<.1	.9	<.1
		09-08-89	<.1	<.1	<.1	<.1	<.1	.8	<.1
83	06891500	09-29-87	--	<.1	<.1	<.1	--	<.1	--
		09-29-87	--	<.1	<.1	<.1	--	<.1	--
		07-29-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		01-25-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		03-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-19-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		05-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-31-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
83	06891500	06-14-89	1415	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	<0.1
		07-12-89	1510	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		08-16-89	1325	<.1	<.1	1.1	<.1	<.1	<.1	<.1
		09-13-89	0850	<.1	<.1	.8	<.1	<.1	<.1	<.1
		10-11-89	1520	<.1	<.1	.8	<.1	<.1	<.1	<.1
		11-15-89	1500	.1	<.1	.5	<.1	<.1	<.1	<.1
		12-13-89	1450	<.1	<.1	.8	<.1	<.1	<.1	<.1
		01-24-90	1415	<.1	<.1	.5	<.1	<.1	<.1	<.1
		02-07-90	0730	<.1	<.1	.5	<.1	<.1	<.1	<.1
		09-08-89	1520	<.1	<.1	.3	<.1	<.1	<.1	<.1
84	385516095151000	07-28-88	0615	<.1	.1	1.1	<.1	<.1	<.1	<.1
		03-08-89	1200	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-02-89	1250	<.1	<.1	.9	<.1	<.1	<.1	<.1
		09-28-87	1250	<.1	<.1	1.0	--	--	--	--
86	06891850	09-28-87	1255	<.1	<.1	.9	--	--	--	--
		07-28-88	0445	<.1	<.1	2.0	<.1	<.1	<.1	<.1
		11-14-88	1345	<.1	<.1	.5	<.1	<.1	<.1	<.1
		03-08-89	1415	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-02-89	1530	2.5	<.1	20	<.1	<.1	<.1	<.1
		07-01-88	1030	.1	<.1	1.4	<.1	<.1	<.1	<.1
88	06892350	07-28-88	0610	<.1	<.1	2.3	--	--	--	--
		11-16-88	1510	<.1	<.1	2.2	<.1	<.1	<.1	<.1
		01-23-89	1140	<.1	<.1	1.4	<.1	<.1	<.1	<.1
		02-21-89	1010	<.1	<.1	1.7	<.1	<.1	<.1	<.1
		02-21-89	1015	<.1	<.1	1.7	<.1	<.1	<.1	<.1
		03-07-89	1550	<.1	<.1	.9	<.1	<.1	<.1	<.1
		03-07-89	1630	<.1	<.1	.9	<.1	<.1	<.1	<.1
		03-13-89	0925	<.1	<.1	.9	<.1	<.1	<.1	<.1
		03-13-89	0930	<.1	<.1	1.0	<.1	<.1	<.1	<.1
		04-18-89	1255	<.1	<.1	1.0	<.1	<.1	<.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Alachlor, total recoverable (µg/L) (77825)	Ametryne, total (µg/L) (82184)	Atrazine, total (µg/L) (39630)	Bromacil, water whole, recoverable (µg/L) (30234)	Butachlor, water whole, recoverable (µg/L) (30235)	Butylate, water whole, recoverable (µg/L) (30236)	Carboxin, water whole, recoverable (µg/L) (30245)
88	06892350	04-18-89	1300	<.1	<.1	0.9	<.1	<.1	<.1	<.1
		05-19-89	0920	.1	<.1	1.5	<.1	<.1	<.1	<.1
		05-19-89	0925	.1	<.1	1.4	<.1	<.1	<.1	<.1
		05-30-89	1905	.1	<.1	1.2	.1	<.1	<.1	<.1
		06-12-89	0930	<.1	<.1	1.4	<.1	<.1	<.1	<.1
		06-12-89	0935	<.1	<.1	1.3	<.1	<.1	<.1	<.1
		07-14-89	0855	.2	<.1	3.5	<.1	<.1	<.1	<.1
		07-14-89	0900	.2	<.1	3.5	<.1	<.1	<.1	<.1
		08-15-89	0915	.1	<.1	3.3	<.1	<.1	<.1	<.1
		08-15-89	0920	.1	<.1	3.5	<.1	<.1	<.1	<.1
		09-07-89	1325	<.1	<.1	.7	<.1	<.1	<.1	<.1
		09-15-89	0915	.1	<.1	3.3	<.1	<.1	<.1	<.1
90	06892940	09-15-89	0920	<.1	<.1	.2	<.1	<.1	<.1	<.1
		10-05-89	0935	<.1	<.1	1.6	<.1	<.1	<.1	<.1
		10-05-89	0940	<.1	<.1	1.7	<.1	<.1	<.1	<.1
		11-14-89	1035	.1	<.1	.9	<.1	<.1	<.1	<.1
		11-14-89	1040	.1	<.1	.8	<.1	<.1	<.1	<.1
		12-11-89	0930	<.1	<.1	1.8	<.1	<.1	<.1	<.1
		01-12-90	0920	<.1	<.1	.9	<.1	<.1	<.1	<.1
		01-12-90	0925	<.1	<.1	.9	<.1	<.1	<.1	<.1
		02-05-90	0930	<.1	<.1	>.4 ¹	<.1	<.1	<.1	<.1
		02-05-90	0935	<.1	<.1	.8	<.1	<.1	<.1	<.1
		07-29-88	0510	<.1	<.1	1.6	<.1	<.1	.1	<.1
		11-14-88	1210	<.1	<.1	.8	<.1	<.1	<.1	<.1
91	06892950	03-07-89	0925	<.1	<.1	.2	<.1	<.1	<.1	<.1
		06-02-89	1440	<.1	<.1	.3	<.1	<.1	.1	<.1
		07-29-88	0615	<.1	<.1	2.8	<.1	<.1	<.1	<.1
		11-14-88	1000	<.1	<.1	2.8	<.1	<.1	<.1	<.1
		03-07-89	1320	<.1	<.1	.9	<.1	<.1	<.1	<.1
		06-02-89	1145	<.1	<.1	1.2	<.1	<.1	.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometon, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
83	06891500	06-14-89	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1
		07-12-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		08-16-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		09-13-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	.1	<0.1
		10-11-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
84	385516095151000	11-15-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		12-13-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		01-24-90	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		02-07-90	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		09-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
86	06891850	07-28-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-02-89	<0.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		09-28-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
		09-28-87	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1
87	06892000	07-28-88	.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		11-14-88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-08-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		06-02-89	1.4	<0.1	<0.1	<0.1	.6	.1	.1	<0.1
		07-01-88	.1	<0.1	<0.1	<0.1	.4	.1	.3	<0.1
88	06892350	07-28-88	.2	--	--	--	.3	<0.1	<0.1	<0.1
		11-16-88	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		01-23-89	.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		02-21-89	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		02-21-89	.1	<0.1	<0.1	<0.1	.2	<0.1	<0.1	<0.1
		03-07-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-07-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		03-13-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		03-13-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1
		03-13-89	.1	<0.1	<0.1	<0.1	.1	<0.1	<0.1	<0.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Cyanazine, total (µg/L) (81757)	Cycloate, water whole, recoverable (µg/L) (30254)	Diphenamid, water whole, recoverable (µg/L) (30255)	Hexazinone, water whole, recoverable (µg/L) (30264)	Metolachlor, water whole, total recoverable (µg/L) (82612)	Metribuzin, water whole, total recoverable (µg/L) (82611)	Prometone, total (µg/L) (39056)	Prometryne, total (µg/L) (39057)
88	06892350	04-18-89	0.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		04-18-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-19-89	<.1	<.1	<.1	<.1	.2	<.1	<.1	<.1
		05-19-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		05-30-89	.1	<.1	<.1	<.1	.2	<.1	.1	<.1
		06-12-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-12-89	.1	<.1	<.1	<.1	.1	<.1	.1	<.1
		07-14-89	.1	<.1	<.1	<.1	.4	<.1	<.1	<.1
		07-14-89	.1	<.1	<.1	<.1	.4	.1	<.1	<.1
		08-15-89	.2	<.1	<.1	<.1	.3	<.1	<.2	<.1
90	06892940	08-15-89	.2	<.1	<.1	<.1	.4	<.1	<.1	<.1
		09-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-15-89	.1	<.1	<.1	<.1	.3	<.1	<.1	<.1
		09-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-05-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		10-05-89	.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		11-14-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		11-14-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		12-11-89	<.1	<.1	<.1	<.1	.1	<.1	<.1	<.1
		01-12-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
91	06892950	01-12-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-05-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		02-05-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-29-88	.1	<.1	<.1	<.1	.1	<.1	.3	<.1
		11-14-88	<.1	<.1	<.1	<.1	<.1	<.1	.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	<.1	.1	<.1	<.1	<.1	<.1	.1	<.1
		07-29-88	.3	<.1	<.1	<.1	.3	<.1	<.1	<.1
		11-14-88	.2	<.1	<.1	<.1	.2	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	.1	<.1	<.1	<.1	.1	<.1	.1	<.1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (µg/L) (30295)	Propazine, total (µg/L) (39024)	Simazine, total (µg/L) (39055)	Simetryne, total (µg/L) (39054)	Terbacil, water whole, recoverable (µg/L) (30311)	Trifluralin, total recoverable (µg/L) (39030)	Vernolate, water whole, recoverable (µg/L) (30324)
83	06891500	06-14-89	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		07-12-89	<1	<1	<1	<1	<1	<1	<1
		08-16-89	<1	<1	<1	<1	<1	<1	<1
		09-13-89	<1	<1	<1	<1	<1	<1	<1
		10-11-89	<1	<1	<1	<1	<1	<1	<1
		11-15-89	<1	<1	<1	<1	<1	<1	<1
		12-13-89	<1	<1	<1	<1	<1	<1	<1
		01-24-90	<1	<1	<1	<1	<1	<1	<1
		02-07-90	<1	<1	<1	<1	<1	<1	<1
		09-08-89	<1	<1	<1	<1	<1	<1	<1
84	385516095151000	07-28-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
		06-02-89	<1	<1	<1	<1	<1	<1	<1
		09-28-87	--	<1	<1	<1	--	<1	--
86	06891850	09-28-87	--	<1	<1	<1	--	<1	--
		07-28-88	<1	<1	<1	<1	<1	<1	<1
		11-14-88	<1	<1	<1	<1	<1	<1	<1
		03-08-89	<1	<1	<1	<1	<1	<1	<1
87	06892000	06-02-89	.1	.1	.2	<1	<1	.1	<1
		07-01-88	<1	<1	.1	<1	<1	.1	<1
		07-28-88	--	.1	.2	<1	--	<1	--
		11-16-88	<1	<1	.1	<1	<1	<1	<1
88	06892350	01-23-89	<1	<1	.1	<1	<1	<1	<1
		02-21-89	<1	<1	.1	<1	<1	<1	<1
		02-21-89	<1	<1	.1	<1	<1	<1	<1
		03-07-89	<1	<1	.1	<1	<1	<1	<1
		03-07-89	<1	<1	<1	<1	<1	<1	<1
		03-13-89	<1	<1	<1	<1	<1	<1	<1
		03-13-89	<1	<1	.1	<1	<1	<1	<1
		04-18-89	<1	<1	.1	<1	<1	<1	<1

Table 16. Concentrations of triazine and other nitrogen-containing herbicides in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Propachlor, water whole, recoverable (ug/L) (30295)	Propazine, total (ug/L) (39024)	Simazine, total (ug/L) (39055)	Simetryne, total (ug/L) (39054)	Terbacil, water whole, recoverable (ug/L) (30311)	Trifluralin, total recoverable (ug/L) (39030)	Vernolate, water whole, recoverable (ug/L) (30324)
88	06892350	04-18-89	<.1	<.1	0.1	<.1	<.1	<.1	<.1
		05-19-89	<.1	<.1	.4	<.1	<.1	<.1	<.1
		05-19-89	<.1	<.1	.4	<.1	<.1	<.1	<.1
		05-30-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-12-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		06-12-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		07-14-89	<.1	.5	.1	<.1	<.1	<.1	<.1
		07-14-89	<.1	.5	.1	<.1	<.1	<.1	<.1
		08-15-89	<.1	.1	.1	<.1	<.1	<.1	<.1
		08-15-89	<.1	.2	.1	<.1	<.1	<.1	<.1
		09-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		09-15-89	<.1	.1	.1	<.1	<.1	<.1	<.1
		09-15-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		10-05-89	<.1	.1	.1	<.1	<.1	<.1	<.1
90	06892940	10-05-89	<.1	.1	.1	<.1	<.1	<.1	<.1
		11-14-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		11-14-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		12-11-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		01-12-90	<.1	<.1	.1	<.1	<.1	<.1	<.1
		01-12-90	<.1	.1	.1	<.1	<.1	<.1	<.1
		02-05-90	<.1	<.1	<.1	<.1	<.1	<.1	<.1
91	06892950	02-05-90	<.1	<.1	.1	<.1	<.1	<.1	<.1
		07-29-88	<.1	<.1	.1	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		07-29-88	<.1	.1	.2	<.1	<.1	<.1	<.1
		11-14-88	<.1	<.1	.2	<.1	<.1	<.1	<.1
		03-07-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1
		06-02-89	<.1	<.1	.1	<.1	<.1	<.1	<.1
		07-29-88	<.1	<.1	.2	<.1	<.1	<.1	<.1

¹ Value is reported with exceedance qualifier due to unexpectedly low surrogate recovery during analysis.

Table 17. Concentrations of purgeable-industrial organic compounds in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. µg/L, micrograms per liter; <, less than; --, not determined]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Benzene, total (µg/L) (34030)	Bromoform, total (µg/L) (32104)	Carbon-tetra-chloride, total (µg/L) (32102)	Chloro-benzene, total (µg/L) (34301)	Chlorodi-bromo-methane, total (µg/L) (32105)	Chloro-ethane, total (µg/L) (34311)	Chloro-form, total (µg/L) (32106)	cis 1,3-di-chloro-propene, total (µg/L) (34704)
5	06879820	09-07-88	1340	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16	403611098200600	09-06-88	1145	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
21	405029097322100	09-06-88	1440	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
26	06881000	09-07-88	0840	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
76	06891000	08-26-88	1440	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
91	06892950	08-26-88	0950	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,2-dibromo-ethane, water whole, total (µg/L) (77651)	Dibromo-methane, water whole, recoverable (µg/L) (30217)	1,2-dichloro-benzene, total (µg/L) (34536)	1,3-dichloro-benzene, total (µg/L) (34566)	1,4-dichloro-benzene, total (µg/L) (34571)	Dichloro-bromo-methane, total (µg/L) (32101)	Dichloro-difluoro-methane, total (µg/L) (34668)	1,1-dichloro-ethane, total (µg/L) (34496)	1,2-dichloro-ethane, total (µg/L) (32103)
5	06879820	09-07-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16	403611098200600	09-06-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
21	405029097322100	09-06-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
26	06881000	09-07-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
76	06891000	08-26-88	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
91	06892950	08-26-88	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 17. Concentrations of purgeable-industrial organic compounds in water--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,1-dichloro-ethylene, total (µg/L) (34501)	1,2-dichloro-propane, total (µg/L) (34541)	Ethyl-benzene, total (µg/L) (34371)	Methyl bromide, total (µg/L) (34413)	Methyl-chloride, total (µg/L) (34418)	Methylene chloride, total (µg/L) (34423)	Styrene, total (µg/L) (77128)	1,1,2,2-tetrachloro-ethane, total (µg/L) (34516)	Tetrachloro-ethylene, total (µg/L) (34475)
5	06879820	09-07-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16	403611098200600	09-06-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
21	405029097322100	09-06-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
26	06881000	09-07-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
76	06891000	08-26-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
91	06892950	08-26-88	<2	<2	<2	<2	<2	<2	<2	<2	<2

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Toluene, total (µg/L) (34010)	Trans-1,3-dichloro-propene, total (µg/L) (34699)	1,1,1-trichloro-ethane, total (µg/L) (34506)	1,1,2-trichloro-ethane, total (µg/L) (34511)	Trichloro-ethylene, total (µg/L) (39180)	Trichloro-fluoro-methane, total (µg/L) (34488)	1,2,3-trichloro-propane, water whole, total (µg/L) (77443)	Vinyl chloride, total (µg/L) (39175)	Xylene, total, water whole, total recoverable (µg/L) (81551)
5	06879820	09-07-88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16	403611098200600	09-06-88	<2	<2	1.5	<2	<2	<2	<2	<2	<2
21	405029097322100	09-06-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
26	06881000	09-07-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
76	06891000	08-26-88	<2	<2	<2	<2	<2	<2	<2	<2	<2
91	06892950	08-26-88	<2	<2	<2	<2	<2	<2	<2	<2	<2

Table 18. Concentrations of carbon and organic compounds in bed sediment

[Number in parentheses is the U.S. Environmental Protection Agency identification code. Varying levels of detection are the result of analyses being performed by different laboratories, the use of different standard concentrations during analysis, or, in the cases of phenanthrene (code 34464) and phenol (code 34695), the nature of the sample was such that these compounds were detectable at lower levels. g/kg, grams per kilogram; mg/kg, milligrams per kilogram, µg/kg, micrograms per kilogram; --, not determined; <, less than]

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Agency analyzing sample ¹	Carbon, inorganic, total (g/kg as C) (00686)	Carbon, organic, total (g/kg as C) (00687)	Carbon, inorganic and organic, total (g/kg as C) (00693)	Oil and grease, total (mg/kg) (00553)	Acenaphthene (µg/kg) (34208)	Acenaphthylene (µg/kg) (34203)	Aldrin, total (µg/kg) (39333)	Alpha BHC, total (µg/kg) (39076)
1	06879100	04-12-89	1240	TVA	--	53	--	1,300	<250	<250	<2.5	<2.5
4	390833096332500	04-12-89	0945	TVA	--	38	--	2,700	<250	<250	<2.5	<2.5
6	06879900	04-14-89	1150	TVA	--	47	--	730	<250	<250	<2.5	<2.5
7	405457097071800	04-14-89	1345	TVA	--	48	--	850	<250	<250	<2.5	<2.5
8	405249098010000	04-10-89	1315	TVA	--	13	--	530	<250	<250	<2.5	<2.5
9	405221097582100	04-14-89	1000	TVA	--	53	--	1,000	<250	<250	<2.5	<2.5
10	405438097354800	04-10-89	1715	TVA	--	25	--	520	<250	<250	<1	<1
11	06880000	04-11-89	1015	TVA	--	47	--	420	<250	<250	<2.5	<2.5
13	405220097042500	04-14-89	1415	TVA	--	28	--	580	<250	<250	<2.5	<2.5
16	403611098200600	10-15-87 04-11-89	1105 1200	USGS TVA	<0.1 --	8.2 7.0	8.2 --	-- 6,500	<200 <250	<200 <250	-- <2.5	-- <2.5
18	403749097503400	04-11-89	1100	TVA	--	19	--	370	<250	<250	<2.5	<2.5
19	404327097354600	04-10-89	1540	TVA	--	9.0	--	310	<250	<250	<2.5	<2.5
21	405029097322100	04-10-89	1635	TVA	--	8.0	--	490	<250	<250	<2.5	<2.5
23	06880800	10-14-87 04-11-89	0930 1300	USGS TVA	.2 --	9.9 26	10 --	-- 1,100	<200 <250	<200 <250	-- <2.5	-- <2.5
25	404007096583000	04-11-89	1645	TVA	--	14	--	3,900	<250	<250	<1	<1
26	06881000	04-11-89	1600	TVA	--	7.0	--	3,900	<250	<250	<2.5	<2.5
27	403304097311400	04-11-89	1000	TVA	--	9.0	--	250	<250	<250	<2.5	<2.5
28	06881200	04-11-89 04-11-89	1415 1420	TVA TVA	-- --	35 34	-- --	400 200	<250 <250	<250 <250	<1 <1	<1 <1

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Agency analyzing sample ¹	Carbon, inorganic, total (g/kg as C) (00686)	Carbon, organic, total (g/kg as C) (00687)	Carbon, inorganic and organic, total (g/kg as C) (00693)	Oil and grease, (mg/kg) (00553)	Acenaphthene (µg/kg) (34208)	Acenaphthylene (µg/kg) (34203)	Aldrin, total (µg/kg) (39333)	Alpha BHC, total (µg/kg) (39076)
29	402348096591100	04-11-89	1510	TVA	--	13	--	340	<250	<250	<0.1	<0.1
30	401823096480700	04-10-89	1530	TVA	--	3.0	--	640	<250	<250	<2.5	<2.5
33	401425096412200	10-14-87 04-10-89	1520 1445	USGS TVA	0.3 --	7.5 23	7.8 --	-- 910	<200 <250	<200 <250	-- <.1	-- <.1
34	400632096401600	04-10-89	1400	TVA	--	22	--	260	<250	<250	<2.5	<2.5
35	06882000	04-10-89	1320	TVA	--	5.0	--	300	<250	<250	<.1	<.1
36	06882510	04-11-89	1245	TVA	--	28	--	730	<250	<250	<2.5	<2.5
38	06883000	04-11-89 04-11-89	1320 1325	TVA TVA	-- --	23 24	-- --	970 6,000	<250 <250	<250 <250	<2.5 <2.5	<2.5 <2.5
40	06883570	04-11-89 04-11-89	1520 1525	TVA TVA	-- --	20 19	-- --	360 340	<250 <250	<250 <250	<2.5 <.1	<2.5 <.1
42	06883940	10-15-87 04-11-89 04-11-89	1510 1545 1550	USGS TVA TVA	.2 -- --	8.5 4.0 7.0	8.7 -- --	-- 180 10,300	<200 <250 <250	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5
43	400940097122000	04-10-89	1020	TVA	--	15	--	310	<250	<250	<2.5	<2.5
45	400519097080700	10-15-87 04-10-89	1130 1100	USGS TVA	.6 --	8.9 10	9.5 --	-- 480	<200 <250	<200 <250	-- <2.5	-- <2.5
46	400359097101400	04-10-89	1130	TVA	--	23	--	690	<250	<250	<2.5	<2.5
47	06884025	04-10-89	1230	TVA	--	13	--	470	<250	<250	<2.5	<2.5
49	06884400	10-14-87 04-11-89	1730 1340	USGS TVA	4.3 --	11 43	16 --	-- 930	<200 <250	<200 <250	-- <2.5	-- <2.5
50	06885500	10-14-87 04-11-89 04-11-89	1150 1000 1100	USGS TVA TVA	1.7 -- --	8.7 47 52	10 -- --	-- 720 690	<200 <250 <250	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5
51	06886500	10-15-87 04-11-89	1030 1445	USGS TVA	12 --	12 52	24 --	-- 2,700	<200 <250	<200 <250	-- <2.5	-- <2.5
52	06887000	04-11-89	1610	TVA	--	22	--	1,200	<250	<250	<.1	<.1
53	391002096300100	04-12-89	0900	TVA	--	27	--	980	<250	<250	<2.5	<2.5

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Agency analyzing sample	Carbon, inorganic, total (g/kg as C) (00686)	Carbon, organic, total (g/kg as C) (00687)	Carbon, inorganic and organic, total (g/kg as C) (00693)	Oil and grease, total (mg/kg) (00553)	Acenaphthene (µg/kg) (34208)	Acenaphthylene (µg/kg) (34203)	Aldrin, total (µg/kg) (39333)	Alpha BHC, total (µg/kg) (39076)
54	391109096251000	04-12-89	0800	TVA	--	29	--	830	<250	<250	<2.5	<2.5
56	06888030	04-13-89	1115	TVA	--	46	--	780	<250	<250	<2.5	<2.5
57	06888300	04-13-89	1300	TVA	--	48	--	1,900	<250	<250	<2.5	<2.5
58	06888350	04-13-89	0945	TVA	--	32	--	1,200	<250	<250	<2.5	<2.5
59	06888500	04-13-89	0920	TVA	--	22	--	780	<250	<250	<2.5	<2.5
60	390820095571500	04-13-89	1100	TVA	--	37	--	830	<250	<250	<2.5	<2.5
61	06888705	04-13-89	1020	TVA	--	52	--	650	<250	<250	<2.5	<2.5
62	06889000	04-12-89	0845	TVA	--	31	--	1,100	<250	<250	<2.5	<2.5
64	06889500	04-12-89	1300	TVA	--	43	--	1,100	<250	<250	<2.5	<2.5
		04-12-89	1400	TVA	--	55	--	890	<250	<250	<2.5	<2.5
65	390545095394600	04-12-89	1115	TVA	--	22	--	1,700	<250	<250	<2.5	<2.5
69	390316095364600	04-12-89	1630	TVA	--	19	--	2,000	<250	<250	<2.5	<2.5
		04-12-89	1730	TVA	--	54	--	1,900	<250	<250	<2.5	<2.5
70	390334095354300	04-12-89	1000	TVA	--	33	--	1,100	<250	<250	<2.5	<2.5
72	06890100	04-11-89	0945	TVA	--	19	--	420	<250	<250	<.1	<.1
		04-11-89	1045	TVA	--	13	--	330	<250	<250	<.1	<.1

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Anthracene (µg/kg) (34223)	Aroclor 1221 (µg/kg) (39491)	Aroclor 1016 PCB (µg/kg) (39514)	Aroclor 1232 (µg/kg) (39495)	Aroclor 1242 PCB (µg/kg) (39499)	Aroclor 1248 PCB (µg/kg) (39503)	Aroclor 1254 PCB (µg/kg) (39507)	Aroclor 1260 PCB (µg/kg) (39511)	Benzidine (µg/kg) (39121)
1	06879100	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
4	390833096332500	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
6	06879900	04-14-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
7	405457097071800	04-14-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
8	405249098010000	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
9	405221097582100	04-14-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
10	405438097354800	04-10-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
11	06880000	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
13	405220097042500	04-14-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
16	403611098200600	10-15-87 04-11-89	<200 <250	<25	<25	<25	<25	<25	<25	<25	<2,500
18	403749097503400	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
19	404327097354600	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
21	405029097322100	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
23	06880800	10-14-87 04-11-89	<200 <250	<25	<25	<25	<25	<25	<25	<25	<2,500
25	404007096583000	04-11-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
26	06881000	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
27	403304097311400	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
28	06881200	04-11-89 04-11-89	<250 <250	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2,500 <2,500
29	402348096591100	04-11-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
30	401823096480700	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Anthracene (µg/kg) (34223)	Aroclor 1221 (µg/kg) (39491)	Aroclor 1016 PCB (µg/kg) (39514)	Aroclor 1232 (µg/kg) (39495)	Aroclor 1242 PCB (µg/kg) (39495)	Aroclor 1248 PCB (µg/kg) (39503)	Aroclor 1254 PCB (µg/kg) (39507)	Aroclor 1260 PCB (µg/kg) (39511)	Benidine (µg/kg) (39121)
33	401425096412200	10-14-87 04-10-89	<200 <250	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2,500 <2,500
34	400632096401600	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
35	06882000	04-10-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
36	06882510	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
38	06883000	04-11-89 04-11-89	<250 <250	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<2,500 <2,500
40	06883570	04-11-89 04-11-89	<250 <250	<25 <1.0	<25 <1.0	<25 <1.0	<25 <1.0	<25 <1.0	<25 <1.0	<25 <1.0	<2,500 <2,500
42	06883940	10-15-87 04-11-89 04-11-89	<200 <250 <250	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<2,500 <2,500 <2,500
43	400940097122000	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
45	400519097080700	10-15-87 04-10-89	<200 <250	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<2,500 <2,500
46	400359097101400	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
47	06884025	04-10-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
49	06884400	10-14-87 04-11-89	<200 <250	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2,500 <2,500
50	06885500	10-14-87 04-11-89 04-11-89	<200 <250 <250	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<25 <25 <25	<2,500 <2,500 <2,500
51	06886500	10-15-87 04-11-89	<200 <250	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<2,500 <2,500
52	06887000	04-11-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
53	391002096300100	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
54	391109096251000	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
56	06888030	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Anthracene (µg/kg) (34223)	Aroclor 1221 (µg/kg) (39491)	Aroclor 1016 PCB (µg/kg) (39514)	Aroclor 1232 (µg/kg) (39495)	Aroclor 1242 PCB (µg/kg) (39499)	Aroclor 1248 PCB (µg/kg) (39503)	Aroclor 1254 PCB (µg/kg) (39507)	Aroclor 1260 PCB (µg/kg) (39511)	Benzidine (µg/kg) (39121)
57	06888300	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
58	06888350	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
59	06888500	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
60	390820095571500	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
61	06888705	04-13-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
62	06889000	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
64	06889500	04-12-89 04-12-89	<250 <250	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<2,500 <2,500
65	390545095394600	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
69	390316095364600	04-12-89 04-12-89	<250 <250	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<25 <25	<2,500 <2,500
70	390334095354300	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
72	06890100	04-11-89 04-11-89	<250 <250	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2,500 <2,500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Benzo (a) anthracene, 1,2-benzanthracene ($\mu\text{g/kg}$) (34529)	Benzo (a) pyrene ($\mu\text{g/kg}$) (34250)	Benzo (b) fluoranthene ($\mu\text{g/kg}$) (34233)	Benzo (k) fluoranthene ($\mu\text{g/kg}$) (34245)	Benzo (ghi) perylene, 1,12-benzoperylene ($\mu\text{g/kg}$) (34524)	Bis (2-chloroethoxy) methane ($\mu\text{g/kg}$) (34281)	Bis (2-chloroethyl) ether ($\mu\text{g/kg}$) (34276)	Bis (2-chloroisopropyl) ether ($\mu\text{g/kg}$) (34286)	Bis (2-ethylhexyl) phthalate ($\mu\text{g/kg}$) (39102)
1	06879100	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	330
4	390833096332500	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
6	06879900	04-14-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
7	405457097071800	04-14-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
8	405249098010000	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
9	405221097582100	04-14-89	<250	<500	<500	<500	<500	<250	<250	<250	270
10	405438097354800	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
11	06880000	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
13	405220097042500	04-14-89	<250	<500	500	<500	<500	<250	<250	<250	300
16	403611098200600	10-15-87 04-11-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	16 9,500
18	403749097503400	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	1,600
19	404327097354600	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
21	405029097322100	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
23	06880800	10-14-87 04-11-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 <250
25	404007096583000	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
26	06881000	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
27	403304097311400	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
28	06881200	04-11-89 04-11-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250
29	402348096591100	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
30	401823096480700	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Benzo (a) anthracene, 1,2-benzanthracene (µg/kg) (34529)	Benzo (a) pyrene (µg/kg) (34250)	Benzo (b) fluoranthene (µg/kg) (34233)	Benzo (k) fluoranthene (µg/kg) (34245)	Benzo (ghi) perylene, 1,12-benzoperylene (µg/kg) (34524)	Bis (2-chloroethoxy) methane (µg/kg) (34281)	Bis (2-chloroethyl) ether (µg/kg) (34276)	Bis (2-chloroisopropyl) ether (µg/kg) (34286)	Bis (2-ethylhexyl) phthalate (µg/kg) (39102)
33	401425098412200	10-14-87 04-10-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 720
34	400632096401600	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	1,100
35	06882000	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
36	06882510	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
38	06883000	04-11-89 04-11-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	2,900 <250
40	06883570	04-11-89 04-11-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250
42	06883940	10-15-87 04-11-89 04-11-89	<400 <250 <250	<400 <500 <500	<400 <500 <500	<400 <500 <500	<400 <500 <500	<200 <250 <250	<200 <250 <250	<200 <250 <250	<200 <250 <250
43	400940097122000	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
45	400519097080700	10-15-87 04-10-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 <250
46	400359097101400	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
47	06884025	04-10-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
49	06884400	10-14-87 04-11-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 <250
50	06885500	10-14-87 04-11-89 04-11-89	<400 <250 <250	<400 <500 <500	<400 <500 <500	<400 <500 <500	<400 <500 <500	<200 <250 <250	<200 <250 <250	<200 <250 <250	<200 <250 <250
51	06886500	10-15-87 04-11-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 1,200
52	06887000	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
53	391002096300100	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
54	391109096251000	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
56	06888030	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	<250

Table 18. *Concentrations of carbon and organic compounds in bed sediment--Continued*

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Benzo (a) anthracene, 1,2-benzanth- racene ($\mu\text{g/kg}$) (34529)	Benzo (a) pyrene ($\mu\text{g/kg}$) (34250)	Benzo (b) fluor- anthene ($\mu\text{g/kg}$) (34233)	Benzo (k) fluor- anthene ($\mu\text{g/kg}$) (34245)	Benzo (ghi) perylene, 1,12-benzo- perylene ($\mu\text{g/kg}$) (34524)	Bis (2-chloro- ethoxy) methane ($\mu\text{g/kg}$) (34281)	Bis (2- chloroethyl, ether ($\mu\text{g/kg}$) (34276)	Bis (2-chloro isopropyl) ether ($\mu\text{g/kg}$) (34286)	Bis (2- ethylhexyl) phthalate ($\mu\text{g/kg}$) (39102)
57	06888300	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
58	06888350	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
59	06888500	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
60	390820095571500	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	2,300
61	06888705	04-13-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
62	06889000	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
64	06889500	04-12-89 04-12-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250
65	390545095394600	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	55,000
69	390316095364600	04-12-89 04-12-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 420
70	390334095354300	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	310
72	06890100	04-11-89 04-11-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	4-bromo-phenyl ether (µg/kg) (34639)	N-butyl benzyl phthalate (µg/kg) (34295)	Chlordane, total (µg/kg) (39351)	2-chloro-naphthalene (µg/kg) (34584)	2-chloro-phenol (µg/kg) (34589)	4-chloro-phenyl ether (µg/kg) (34644)	Chrysene (µg/kg) (34323)	1,2,5,6-dibenz-anthracene (µg/kg) (34559)
1	06879100	04-12-89	<250	4,900	<2.5	<250	<250	<250	<500	<500
4	390833096332500	04-12-89	<250	760	<2.5	<250	<250	<250	<500	<500
6	06879900	04-14-89	<250	670	<2.5	<250	<250	<250	<500	<500
7	405457097071800	04-14-89	<250	<250	<2.5	<250	<250	<250	<500	<500
8	405249098010000	04-10-89	<250	<250	<2.5	<250	<250	<250	<500	<500
9	405221097582100	04-14-89	<250	1,100	<2.5	<250	<250	<250	<500	<500
10	405438097354800	04-10-89	<250	580	<1	<250	<250	<250	<500	<500
11	06880000	04-11-89	<250	<250	<2.5	<250	<250	<250	<500	<500
13	405220097042500	04-14-89	<250	<250	<2.5	<250	<250	<250	<500	<500
16	403611098200600	10-15-87 04-11-89	<200 <250	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
18	403749097503400	04-11-89	<250	<250	<2.5	<250	<250	<250	<500	<500
19	404327097354600	04-10-89	<250	<250	<2.5	<250	<250	<250	<500	<500
21	405029097322100	04-10-89	<250	<250	<2.5	<250	<250	<250	<500	<500
23	06880800	10-14-87 04-11-89	<200 <250	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
25	404007096583000	04-11-89	<250	<250	<1	<250	<250	<250	<500	<500
26	06881000	04-11-89	<250	<250	<2.5	<250	<250	<250	<500	<500
27	403304097311400	04-11-89	<250	<250	<2.5	<250	<250	<250	<500	<500
28	06881200	04-11-89 04-11-89	<250 <250	<250 <250	<1 <1	<250 <250	<250 <250	<250 <250	<500 <500	<500 <500
29	402348096591100	04-11-89	<250	<250	<1	<250	<250	<250	<500	<500
30	401823096480700	04-10-89	<250	<250	<2.5	<250	<250	<250	<500	<500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	4-bromo- phenyl ether (µg/kg) (34639)	N-butyl benzyl phthalate (µg/kg) (34295)	Chlordane, total (µg/kg) (39351)	2-chloro- naphthalene (µg/kg) (34584)	2-chloro- phenol (µg/kg) (34589)	4-chloro- phenyl ether (µg/kg) (34644)	Chrysene (µg/kg) (34323)	1,2,5,6- dibenz- anthracene (µg/kg) (34559)
33	401425096412200	10-14-87 04-10-89	<200 <250	<200 610	-- <0.1	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
34	400632096401600	04-10-89	<250	4,700	<2.5	<250	<250	<250	<500	<500
35	06882000	04-10-89	<250	4,400	<.1	<250	<250	<250	<500	<500
36	06882510	04-11-89	<250	2,100	<2.5	<250	<250	<250	<500	<500
38	06883000	04-11-89 04-11-89	<250 <250	<250 510	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<500 <500	<500 <500
40	06883570	04-11-89 04-11-89	<250 <250	<250 <250	<2.5 <.1	<250 <250	<250 <250	<250 <250	<500 <500	<500 <500
42	06883940	10-15-87 04-11-89 04-11-89	<200 <250 <250	<200 250 <250	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<400 <500 <500	<400 <500 <500
43	400940097122000	04-10-89	<250	5,600	<2.5	<250	<250	<250	<500	<500
45	400519097080700	10-15-87 04-10-89	<200 <250	<200 4,200	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
46	400359097101400	04-10-89	<250	5,400	<2.5	<250	<250	<250	<500	<500
47	06884025	04-10-89	<250	<370	<2.5	<250	<250	<250	<500	<500
49	06884400	10-14-87 04-11-89	<200 <250	<200 3,500	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
50	06885500	10-14-87 04-11-89 04-11-89	<200 <250 <250	<200 3,000 <250	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<400 <500 <500	<400 <500 <500
51	06886500	10-15-87 04-11-89	<200 <250	<200 1100	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
52	06887000	04-11-89	<250	2,500	<.1	<250	<250	<250	<500	<500
53	391002096300100	04-12-89	<250	1,100	<2.5	<250	<250	<250	<500	<500
54	391109096251000	04-12-89	<250	1,800	<2.5	<250	<250	<250	<500	<500
56	06888030	04-13-89	<250	1,200	<2.5	<250	<250	<250	<500	<500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	4-bromo-phenyl ether (µg/kg) (34639)	N-butyl benzyl phthalate (µg/kg) (34295)	Chlordane, total (µg/kg) (39351)	2-chloro-naphthalene (µg/kg) (34584)	2-chloro-phenol (µg/kg) (34589)	4-chloro-phenyl ether (µg/kg) (34644)	Chrysene (µg/kg) (34323)	1,2,5,6-dibenz-anthracene (µg/kg) (34559)
57	06888300	04-13-89	<250	2200	<2.5	<250	<250	<250	<500	<500
58	06888350	04-13-89	<250	<250	<2.5	<250	<250	<250	<500	<500
59	06888500	04-13-89	<250	5,900	<2.5	<250	<250	<250	<500	<500
60	390820095571500	04-13-89	<250	8,000	<2.5	<250	<250	<250	<500	<500
61	06888705	04-13-89	<250	6,600	<2.5	<250	<250	<250	<500	<500
62	06889000	04-12-89	<250	1,300	<2.5	<250	<250	<250	<500	<500
64	06889500	04-12-89	<250	<250	<2.5	<250	<250	<250	<500	<500
		04-12-89	<250	<250	<2.5	<250	<250	<250	<500	<500
65	390545095394600	04-12-89	<250	310	<2.5	<250	<250	<250	<500	<500
69	390316095364600	04-12-89	<250	5,800	<2.5	<250	<250	<250	<500	<500
		04-12-89	<250	270	<2.5	<250	<250	<250	<500	<500
70	390334095354300	04-12-89	<250	690	<2.5	<250	<250	<250	<500	<500
72	06890100	04-11-89	<250	<250	<1	<250	<250	<250	<500	<500
		04-11-89	<250	<250	<1	<250	<250	<250	<500	<500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,2-dichloro- benzene ($\mu\text{g/kg}$) (34539)	1,3-dichloro- benzene ($\mu\text{g/kg}$) (34569)	1,4-dichloro- benzene ($\mu\text{g/kg}$) (34574)	3,3'-dichloro- benzidine ($\mu\text{g/kg}$) (34634)	2,4-dichloro- phenol ($\mu\text{g/kg}$) (34604)	PP' DDE, total ($\mu\text{g/kg}$) (39321)	PP' DDT, total ($\mu\text{g/kg}$) (39301)	Dieldrin, total ($\mu\text{g/kg}$) (39383)	Diethyl phthalate ($\mu\text{g/kg}$) (34339)
1	06879100	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
4	390833096332500	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
6	06879900	04-14-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
7	405457097071800	04-14-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
8	405249098010000	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
9	405221097582100	04-14-89	<250	<250	<250	<1,200	<250	3.1	<2.5	<2.5	<250
10	405438097354800	04-10-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
11	06880000	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
13	405220097042500	04-14-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
16	403611098200600	10-15-87 04-11-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <2.5	-- <2.5	-- <2.5	<200 <250
18	403749097503400	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
19	404327097354600	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
21	405029097322100	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
23	06880800	10-14-87 04-11-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <2.5	-- <2.5	-- <2.5	<200 <250
25	404007096583000	04-11-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
26	06881000	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
27	403304097311400	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
28	06881200	04-11-89 04-11-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<1 <1	<1 <1	<1 <1	<250 <250
29	402348096591100	04-11-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
30	401823096480700	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,2-dichloro- benzene (µg/kg) (34535)	1,3-dichloro- benzene (µg/kg) (34569)	1,4-dichloro- benzene (µg/kg) (34574)	3,3'-dichloro- benzidine (µg/kg) (34634)	2,4-dichloro- phenol (µg/kg) (34604)	PP' DDE, total (µg/kg) (39321)	PP' DDT, total (µg/kg) (39301)	Dieldrin, total (µg/kg) (39383)	Diethyl phthalate (µg/kg) (34339)
33	401425096412200	10-14-87 04-10-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <0.1	-- <0.1	-- <0.1	<200 <250
34	400632096401600	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
35	06882000	04-10-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
36	06882510	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
38	06883000	04-11-89 04-11-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<2.5 <2.5	<2.5 <2.5	<2.5 <2.5	<250 <250
40	06883570	04-11-89 04-11-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<2.5 <1	<2.5 <1	<2.5 <1	<250 <250
42	06883940	10-15-87 04-11-89 04-11-89	<200 <250 <250	<200 <250 <250	<200 <250 <250	-- <1,200 <1,200	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5	-- <2.5 <2.5	<200 <250 <250
43	400940097122000	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
45	400519097080700	10-15-87 04-10-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <2.5	-- <2.5	-- <2.5	<200 <250
46	400359097101400	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
47	06884025	04-10-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
49	06884400	10-14-87 04-11-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <2.5	-- <2.5	-- <2.5	<200 <250
50	06885500	10-14-87 04-11-89 04-11-89	<200 <250 <250	<200 <250 <250	<200 <250 <250	-- <1,200 <1,200	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5	-- <2.5 <2.5	<200 <250 <250
51	06886500	10-15-87 04-11-89	<200 <250	<200 <250	<200 <250	-- <1,200	<200 <250	-- <2.5	-- <2.5	-- <2.5	<200 <250
52	06887000	04-11-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
53	391002096300100	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
54	391109096251000	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
56	06888030	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,2-dichloro- benzene (µg/kg) (34539)	1,3-dichloro- benzene (µg/kg) (34569)	1,4-dichloro- benzene (µg/kg) (34574)	3,3'-dichloro- benzidine (µg/kg) (34634)	2,4-dichloro- phenol (µg/kg) (34604)	P,P' DDE, total (µg/kg) (39321)	P,P' DDT, total (µg/kg) (39301)	Dieldrin, total (µg/kg) (39383)	Diethyl phthalate (µg/kg) (34339)
57	06888300	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
58	06888350	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
59	06888500	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
60	390820095571500	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
61	06888705	04-13-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
62	06889000	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
64	06889500	04-12-89 04-12-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<2.5 <2.5	<2.5 <2.5	<2.5 <2.5	<250 <250
65	390545095394600	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
69	390316095364600	04-12-89 04-12-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<2.5 <2.5	<2.5 <2.5	<2.5 <2.5	<250 <250
70	390334095354300	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
72	06890100	04-11-89 04-11-89	<250 <250	<250 <250	<250 <250	<1,200 <1,200	<250 <250	<1 <1	<1 <1	<0.1 <0.1	<250 <250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dimethyl- phthalate (µg/kg) (34344)	Di-N-butyl- phthalate (µg/kg) (39112)	4,6-dinitro- orthocresol (µg/kg) (34660)	2,4-dinitro- phenol (µg/kg) (34619)	2,4-dinitro- toluene (µg/kg) (34614)	2,6-dinitro- toluene (µg/kg) (34629)	Di-N-octyl phthalate (µg/kg) (34599)	2,4-DP (µg/kg) (34609)	Endosulfan, alpha (µg/kg) (34364)
1	06879100	04-12-89	<250	<250	<1,500	<1,000	<250	<250	2,700	<250	<2.5
4	390833096332500	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
6	06879900	04-14-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
7	405457097071800	04-14-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
8	405249098010000	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
9	405221097582100	04-14-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
10	405438097354800	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<1.0
11	06880000	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
13	405220097042500	04-14-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
16	403611098200600	10-15-87 04-11-89	<200 780	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 <500	<200 <250	-- <2.5
18	403749097503400	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
19	404327097354600	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
21	405029097322100	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
23	06880800	10-14-87 04-11-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 <500	<200 <250	-- <2.5
25	404007096583000	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<1.0
26	06881000	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
27	403304097311400	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
28	06881200	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	2.0 <1.0
29	402348096591100	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<1.0
30	401823096480700	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dimethyl-phthalate (µg/kg) (34344)	Di-N-butyl-phthalate (µg/kg) (39112)	4,6-dinitro-orthocresol (µg/kg) (34660)	2,4-dinitro-phenol (µg/kg) (34619)	2,4-dinitro-toluene (µg/kg) (34614)	2,6-dinitro-toluene (µg/kg) (34629)	Di-N-octyl-phthalate (µg/kg) (34599)	2,4-DP (µg/kg) (34609)	Endosulfan, alpha (µg/kg) (34364)
33	401425096412200	10-14-87 04-10-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 <500	<200 <250	-- <0.10
34	400632096401600	04-10-89	<250	<250	<1,500	<1,000	<250	<250	2,200	<250	<2.5
35	06882000	04-10-89	<250	<250	<1,500	<1,000	<250	<250	940	<250	<10
36	06882510	04-11-89	<250	<250	<1,500	<1,000	<250	<250	870	<250	<2.5
38	06883000	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	2,100 <500	<250 <250	<2.5 <2.5
40	06883570	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	<2.5 <10
42	06883940	10-15-87 04-11-89 04-11-89	<200 <250 <250	<200 <250 <250	<600 <1,500 <1,500	<600 <1,000 <1,000	<200 <250 <250	<200 <250 <250	<400 <500 <500	<200 <250 <250	-- <2.5 <2.5
43	400940097122000	04-10-89	<250	<250	<1,500	<1,000	<250	<250	1,000	<250	<2.5
45	400519097080700	10-15-87 04-10-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 1,900	<200 <250	-- <2.5
46	400359097101400	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
47	06884025	04-10-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
49	06884400	10-14-87 04-11-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 1,200	<200 <250	-- <2.5
50	06885500	10-14-87 04-11-89 04-11-89	<200 <250 <250	<200 <250 <250	<600 <1,500 <1,500	<600 <1,000 <1,000	<200 <250 <250	<200 <250 <250	<400 830 <500	<200 <250 <250	-- <2.5 <2.5
51	06886500	10-15-87 04-11-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 <500	<200 <250	-- <2.5
52	06887000	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<10
53	391002096300100	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
54	391109096251000	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
56	06888030	04-13-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dimethyl-phthalate (µg/kg) (34344)	Di-N-butyl-phthalate (µg/kg) (39112)	4,6-dinitro-orthocresol (µg/kg) (34660)	2,4-dinitro-phenol (µg/kg) (34619)	2,4-dinitro-toluene (µg/kg) (34614)	2,6-dinitro-toluene (µg/kg) (34629)	Di-N-octyl phthalate (µg/kg) (34599)	2,4-DP (µg/kg) (34609)	Endosulfan, alpha (µg/kg) (34364)
57	06888300	04-13-89	<250	<250	<1,500	<1,000	<250	<250	850	<250	<2.5
58	06888350	04-13-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
59	06888500	04-13-89	<250	<250	<1,500	<1,000	<250	<250	1,200	<250	<2.5
60	390820095571500	04-13-89	<250	<250	<1,500	<1,000	<250	<250	3,000	<250	<2.5
61	06888705	04-13-89	<250	<250	<1,500	<1,000	<250	<250	1,900	<250	<2.5
62	06889000	04-12-89	<250	<250	<1,500	<1,000	<250	<250	2,300	<250	<2.5
64	06889500	04-12-89 04-12-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	<2.5 <2.5
65	390545095394600	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
69	390316095364600	04-12-89 04-12-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	1,000 <500	<250 <250	<2.5 <2.5
70	390334095354300	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
72	06890100	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	<10 <10

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Endrin, total (µg/kg) (39393)	Fluoro- anthene (µg/kg) (34379)	Fluorene (µg/kg) (34384)	Heptachlor epoxide, total (µg/kg) (39423)	Heptachlor, total (µg/kg) (39413)	Hexachloro- benzene, total (µg/kg) (39701)	Hexachloro- butadiene (µg/kg) (39705)	Hexachloro- cyclo- pentadiene (µg/kg) (34389)	Hexa- chloroethane (µg/kg) (34399)
1	06879100	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
4	390833096332500	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
6	06879900	04-14-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
7	405457097071800	04-14-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
8	405249098010000	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
9	405221097582100	04-14-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
10	405438097354800	04-10-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
11	06880000	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
13	405220097042500	04-14-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
16	403611098200600	10-15-87 04-11-89	-- <2.5	<200 <250	<200 <250	-- 14	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
18	403749097503400	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
19	404327097354600	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
21	405029097322100	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
23	06880800	10-14-87 04-11-89	-- <2.5	<200 <250	<200 <250	-- <2.5	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
25	404007096583000	04-11-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
26	06881000	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
27	403304097311400	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
28	06881200	04-11-89 04-11-89	<1 <1	<250 <250	<250 <250	<1 <1	<1 <1	<250 <250	<250 <250	<250 <250	<250 <250
29	402348096591100	04-11-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
30	401823096480700	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Endrin, total (µg/kg) (33393)	Fluoro- anthene (µg/kg) (34379)	Fluorene (µg/kg) (34384)	Heptachlor epoxide, total (µg/kg) (39423)	Heptachlor, total (µg/kg) (39413)	Hexachloro- benzene, total (µg/kg) (39701)	Hexachloro- butadiene (µg/kg) (39705)	Hexachloro- cyclo- pentadiene (µg/kg) (34389)	Hexa- chloroethane (µg/kg) (34399)
33	401425096412200	10-14-87 04-10-89	-- <0.1	<200 <250	<200 <250	-- <0.1	-- <0.1	<200 <250	<200 <250	<200 <250	<200 <250
34	400632096401600	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
35	06882000	04-10-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
36	06882510	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
38	06883000	04-11-89 04-11-89	<2.5 <2.5	<250 <250	<250 <250	<2.5 <2.5	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<250 <250
40	06883570	04-11-89 04-11-89	<2.5 2.8	<250 <250	<250 <250	<2.5 <1	<2.5 <1	<250 <250	<250 <250	<250 <250	<250 <250
42	06883940	10-15-87 04-11-89 04-11-89	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<200 <250 <250
43	400940097122000	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
45	400519097080700	10-15-87 04-10-89	-- <2.5	<200 <250	<200 <250	-- <2.5	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
46	400359097101400	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
47	06884025	04-10-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
49	06884400	10-14-87 04-11-89	-- <2.5	<200 <250	<200 <250	-- <2.5	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
50	06885500	10-14-87 04-11-89 04-11-89	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	-- <2.5 <2.5	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<200 <250 <250
51	06886500	10-15-87 04-11-89	-- <2.5	<200 <250	<200 <250	-- <2.5	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
52	06887000	04-11-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
53	391002096300100	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
54	391109096251000	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
56	06888030	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Endrin, total (µg/kg) (39393)	Fluoranthene (µg/kg) (34379)	Fluorene (µg/kg) (34384)	Heptachlor epoxide, total (µg/kg) (39423)	Heptachlor, total (µg/kg) (39413)	Hexachloro-benzene, total (µg/kg) (39701)	Hexachloro-butadiene (µg/kg) (39705)	Hexachloro-cyclopentadiene (µg/kg) (34389)	Hexachloroethane (µg/kg) (34399)
57	06888300	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
58	06888350	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
59	06888500	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
60	390820095571500	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
61	06888705	04-13-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
62	06889000	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
64	06889500	04-12-89 04-12-89	<2.5 <2.5	<250 <250	<250 <250	<2.5 <2.5	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<250 <250
65	390545095394600	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
69	390316095364600	04-12-89 04-12-89	<2.5 <2.5	<250 <250	<250 <250	<2.5 <2.5	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<250 <250
70	390334095354300	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
72	06890100	04-11-89 04-11-89	8.0 <.1	<250 <250	<250 <250	<.1 <.1	<.1 <.1	<250 <250	<250 <250	<250 <250	<250 <250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Indeno pyrene ($\mu\text{g/kg}$) (34406)	Isophorone ($\mu\text{g/kg}$) (34411)	Lindane, total ($\mu\text{g/kg}$) (39343)	Naphthalene ($\mu\text{g/kg}$) (34445)	Nitrobenzene ($\mu\text{g/kg}$) (34450)	2-nitrophenol ($\mu\text{g/kg}$) (34594)	4-nitrophenol ($\mu\text{g/kg}$) (34649)	N-nitrosodi-N- propylamine ($\mu\text{g/kg}$) (34431)	N-nitrosodi- methylamine ($\mu\text{g/kg}$) (34441)
1	06879100	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
4	390833096332500	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
6	06879900	04-14-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
7	405457097071800	04-14-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
8	405249098010000	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
9	405221097582100	04-14-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
10	405438097354800	04-10-89	<500	<250	<1	<250	<250	<250	<1,500	<250	--
11	06880000	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
13	405220097042500	04-14-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
16	403611098200600	10-15-87 04-11-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	² <2,000 --
18	403749097503400	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
19	404327097354600	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
21	405029097322100	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
23	06880800	10-14-87 04-11-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200 --
25	404007096583000	04-11-89	<500	<250	<1	<250	<250	<250	<1,500	<250	--
26	06881000	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
27	403304097311400	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
28	06881200	04-11-89 04-11-89	<500 <500	<250 <250	<1 <1	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	-- --
29	402348096591100	04-11-89	<500	<250	<1	<250	<250	<250	<1,500	<250	--
30	401823096480700	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Indeno (1,2,3-Cd) pyrene (µg/kg) (34406)	Isophorone (µg/kg) (34411)	Lindane, total (µg/kg) (39343)	Naphthalene (µg/kg) (34445)	Nitrobenzene (µg/kg) (34450)	2-nitrophenol (µg/kg) (34594)	4-nitrophenol (µg/kg) (34649)	N-nitrosodi-N-propylamine (µg/kg) (34431)	N-nitrosodimethylamine (µg/kg) (34441)
33	401425096412200	10-14-87 04-10-89	<400 <500	<200 <250	-- <0.1	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200 --
34	400632096401600	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
35	06882000	04-10-89	<500	<250	1.1	<250	<250	<250	<1,500	<250	--
36	06882510	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
38	06883000	04-11-89 04-11-89	<500 <500	<250 <250	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	--
40	06883570	04-11-89 04-11-89	<500 <500	<250 <250	<2.5 <1	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	--
42	06883940	10-15-87 04-11-89 04-11-89	<400 <500 <500	<200 <250 <250	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<600 <1,500 <1,500	<200 <250 <250	<200 -- --
43	400940097122000	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
45	400519097080700	10-15-87 04-10-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200 --
46	400359097101400	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
47	06884025	04-10-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
49	06884400	10-14-87 04-11-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200 --
50	06885500	10-14-87 04-11-89 04-11-89	<400 <500 <500	<200 <250 <250	-- <2.5 <2.5	<200 <250 <250	<200 <250 <250	<200 <250 <250	<600 <1,500 <1,500	<200 <250 <250	<200 -- --
51	06886500	10-15-87 04-11-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200 --
52	06887000	04-11-89	<500	<250	<1	<250	<250	<250	<1,500	<250	--
53	391002096300100	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
54	391109096251000	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
56	06888030	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Indeno (1,2,3-Cd) pyrene (µg/kg) (34406)	Isophorone (µg/kg) (34411)	Lindane, total (µg/kg) (39343)	Naphthalene (µg/kg) (34445)	Nitrobenzene (µg/kg) (34450)	2-nitrophenol (µg/kg) (34594)	4-nitrophenol (µg/kg) (34649)	N-nitrosodi-N- propylamine (µg/kg) (34431)	N-nitrosodi- methylamine (µg/kg) (34441)
57	06888300	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
58	06888350	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
59	06888500	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
60	390820095571500	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
61	06888705	04-13-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
62	06889000	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
64	06889500	04-12-89 04-12-89	<500 <500	<250 <250	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	-- --
65	390545095394600	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
69	390316095364600	04-12-89 04-12-89	<500 <500	<250 <250	<2.5 <2.5	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	-- --
70	390334095354300	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
72	06890100	04-11-89 04-11-89	<500 <500	<250 <250	<1 <1	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	-- --

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	N-nitrosodi- phenyl- amine (µg/kg) (34436)	Para- chlorometa- cresol (µg/kg) (34455)	Penta- chloro- phenol (µg/kg) (39061)	Phenan- threne (µg/kg) (34464)	Phenol (C6H-5OH) (µg/kg) (34695)	Pyrene (µg/kg) (34472)	Toxaphene, total (µg/kg) (39403)	1,2,4- trichloro- benzene (µg/kg) (34554)	2,4,6- trichloro- phenol (µg/kg) (34624)
1	06879100	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
4	390833096332500	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
6	06879900	04-14-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
7	405457097071800	04-14-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
8	405249098010000	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
9	405221097582100	04-14-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
10	405438097354800	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
11	06880000	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
13	405220097042500	04-14-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
16	403611098200600	10-15-87 04-11-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	5,260 580	<200 <250	-- <100	<200 <250	<600 <1,000
18	403749097503400	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
19	404327097354600	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
21	405029097322100	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
23	06880800	10-14-87 04-11-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	<200 <250	<200 <250	-- <100	<200 <250	<600 <1,000
25	404007096583000	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
26	06881000	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
27	403304097311400	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
28	06881200	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<5.0 <5.0	<250 <250	<1,000 <1,000
29	402348096591100	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
30	401823096480700	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	N-nitrosodi- phenyl- amine (µg/kg) (34436)	Para- chlorometa- cresol (µg/kg) (34455)	Penta- chloro- phenol (µg/kg) (39061)	Phenan- threne (µg/kg) (34464)	Phenol (O6H-5OH) (µg/kg) (34695)	Pyrene (µg/kg) (34472)	Toxaphene, total (µg/kg) (39403)	1,2,4- trichloro- benzene (µg/kg) (34554)	2,4,6- trichloro- phenol (µg/kg) (34624)
33	401425096412200	10-14-87 04-10-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	<200 <250	<200 <250	-- <5.0	<200 <250	<600 <1,000
34	400632096401600	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
35	06882000	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
36	06882510	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
38	06883000	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<100 <100	<250 <250	<1,000 <1,000
40	06883570	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<100 <5.0	<250 <250	<1,000 <1,000
42	06883940	10-15-87 04-11-89 04-11-89	<200 <250 <250	<600 <1,500 <1,500	<600 <1,500 <1,500	<200 <250 <250	<200 <250 <250	<200 <250 <250	-- <100 <100	<200 <250 <250	<600 <1,000 <1,000
43	400940097122000	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
45	400519097080700	10-15-87 04-10-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	<200 <250	<200 <250	-- <100	<200 <250	<600 <1,000
46	400359097101400	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
47	06884025	04-10-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
49	06884400	10-14-87 04-11-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	389 <250	<200 <250	-- <100	<200 <250	<600 <1,000
50	06885500	10-14-87 04-11-89 04-11-89	<200 <250 <250	<600 <1,500 <1,500	<600 <1,500 <1,500	22 <250 <250	<200 <250 <250	<200 <250 <250	-- <100 <100	<200 <250 <250	<600 <1,000 <1,000
51	06886500	10-15-87 04-11-89	<200 <250	<600 <1,500	<600 <1,500	<200 <250	508 <250	<200 <250	-- <100	<200 <250	<600 <1,000
52	06887000	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<5	<250	<1,000
53	391002096300100	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
54	391109096251000	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
56	06888030	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	N-nitrosodi- phenyl- amine (µg/kg) (34436)	Para- chlorometa- cresol (µg/kg) (34455)	Penta- chloro- phenol (µg/kg) (39061)	Phenan- threne (µg/kg) (34464)	Phenol (C6H-5OH) (µg/kg) (34695)	Pyrene (µg/kg) (34472)	Toxaphene, total (µg/kg) (39403)	1,2,4- trichloro- benzene (µg/kg) (34554)	2,4,6- trichloro- phenol (µg/kg) (34624)
57	06888300	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
58	06888350	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
59	06888500	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
60	390820095571500	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
61	06888705	04-13-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
62	06889000	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
64	06889500	04-12-89 04-12-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<100 <100	<250 <250	<1,000 <1,000
65	390545095394600	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
69	390316095364600	04-12-89 04-12-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<100 <100	<250 <250	<1,000 <1,000
70	390334095354300	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
72	06890100	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<5.0 <5.0	<250 <250	<1,000 <1,000

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	Agency analyzing sample ¹	Carbon, inorganic, total (g/kg as C) (00686)	Carbon, organic, total (g/kg as C) (00687)	Carbon, inorganic and organic, total (g/kg as C) (00693)	Oil and grease, total (mg/kg) (00553)	Acenaphthene (µg/kg) (34208)	Acenaphthylene (µg/kg) (34203)	Aldrin, total (µg/kg) (39333)	Alpha BHC, total (µg/kg) (39076)
72	06890100	04-11-89 04-11-89	1145 1245	TVA TVA	-- --	10 14	-- --	320 360	<250 <250	<250 <250	<0.1 <2.5	<0.1 <2.5
74	06890900	04-12-89	0900	TVA	--	22	--	620	<250	<250	<2.5	<2.5
75	390157095262500	10-17-87	1000	USGS	--	--	--	--	<200	<200	--	--
76	06891000	04-12-89	0830	TVA	--	38	--	1,700	<250	<250	<2.5	<2.5
77	06891080	04-12-89	1000	TVA	--	23	--	950	<250	<250	<1	<1
78	06891100	04-12-89	1100	TVA	--	43	--	1,700	<250	<250	<2.5	<2.5
79	385329095353400	10-16-87 04-11-89	0930 1545	USGS TVA	2.8 --	12 22	15 --	-- 630	<200 <250	<200 <250	-- <2.5	-- <2.5
83	06891500	04-11-89	1745	TVA	--	33	--	580	<250	<250	<1	<1
87	06892000	04-11-89	1315	TVA	--	19	--	400	<250	<250	<1	<1
88	06892350	04-11-89 04-11-89	0900 1000	TVA TVA	-- --	55 69	-- --	990 1,000	<250 <250	<250 <250	<1 <2.5	<1 <2.5
89	06892500	04-11-89	1030	TVA	--	36	--	860	<250	<250	<2.5	<2.5
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	1130 1230 1330 1430	TVA TVA TVA TVA	-- -- -- --	20 30 36 20	-- -- -- --	3,400 3,600 3,100 3,000	<250 <250 <250 <250	<250 <250 <250 <250	<2.5 <2.5 <2.5 <2.5	<2.5 <2.5 <2.5 <2.5
91	06892950	04-11-89	1400	TVA	--	42	--	1,000	<250	<250	<2.5	<2.5

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Anthracene ($\mu\text{g/kg}$) (34223)	Aroclor 1221 ($\mu\text{g/kg}$) (39491)	Aroclor 1016 PCB ($\mu\text{g/kg}$) (39514)	Aroclor 1232 ($\mu\text{g/kg}$) (39495)	Aroclor 1242 PCB ($\mu\text{g/kg}$) (39499)	Aroclor 1248 PCB ($\mu\text{g/kg}$) (39503)	Aroclor 1254 PCB ($\mu\text{g/kg}$) (39507)	Aroclor 1260 PCB ($\mu\text{g/kg}$) (39511)	Benzidine ($\mu\text{g/kg}$) (39121)
72	06890100	04-11-89 04-11-89	<250 <250	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<2,500 <2,500
74	06890900	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
75	390157095262500	10-17-87	<200	--	--	--	--	--	--	--	--
76	06891000	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
77	06891080	04-12-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
78	06891100	04-12-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
79	385329095353400	10-16-87 04-11-89	<200 <250	-- <25	-- <25	-- <25	-- <25	-- <25	-- <25	-- <25	-- <2,500
83	06891500	04-11-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
87	06892000	04-11-89	<250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2,500
88	06892350	04-11-89 04-11-89	<250 <250	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<1.0 <25	<2,500 <2,500
89	06892500	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<250 <250 <250 470	<25 <25 <25 <25	<25 <25 <25 <25	<25 <25 <25 <25	<25 <25 <25 <25	<25 <25 <25 <25	<25 <25 <25 <25	<25 <25 <25 <25	<2,500 <2,500 <2,500 <2,500
91	06892950	04-11-89	<250	<25	<25	<25	<25	<25	<25	<25	<2,500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Benzo (a) anthracene, 1,2-benzanth- racene (µg/kg) (34529)	Benzo (a) pyrene (µg/kg) (34250)	Benzo (b) fluor- anthene (µg/kg) (34233)	Benzo (k) fluor- anthene (µg/kg) (34245)	Benzo (ghi) perylene, 1,12-benzo- perylene (µg/kg) (34524)	Bis (2-chlor- ethoxy) methane (µg/kg) (34281)	Bis (2-chloro- chloroethyl) ether (µg/kg) (34276)	Bis (2-chloro isopropyl) ether (µg/kg) (34286)	Bis (2- ethylhexyl) phthalate (µg/kg) (39102)
72	06890100	04-11-89 04-11-89	<250 <250	<500 <500	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250
74	06890900	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
75	390157095262500	10-17-87	<400	<400	<400	<400	<400	<200	<200	<200	<200
76	06891000	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	630
77	06891080	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
78	06891100	04-12-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
79	38532909533400	10-16-87 04-11-89	<400 <250	<400 <500	<400 <500	<400 <500	<400 <500	<200 <250	<200 <250	<200 <250	<200 <250
83	06891500	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
87	06892000	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	500
88	06892350	04-11-89 04-11-89	<250 <250	<500 <600	<500 <500	<500 <500	<500 <500	<250 <250	<250 <250	<250 <250	<250 <250
89	06892500	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	<250
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	370 <250 980 1,400	<500 <500 <500 <500	970 <500 <500 1,000	<500 <500 <500 <500	830 <500 <500 <500	<250 <250 <250 <250	<250 <250 <250 <250	<250 <250 <250 <250	1,800 1,200 1,000 1,200
91	06892950	04-11-89	<250	<500	<500	<500	<500	<250	<250	<250	400

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	4-bromo- phenyl ether (µg/kg) (34639)	N-butyl benzyl phthalate (µg/kg) (34295)	Chlordane, total (µg/kg) (39351)	2-chloro- naphthalene (µg/kg) (34584)	2-chloro- phenol (µg/kg) (34589)	4-chloro- phenyl ether (µg/kg) (34644)	Chrysene (µg/kg) (34323)	1,2,5,6- dibenz- anthracene (µg/kg) (34559)
72	06890100	04-11-89 04-11-89	<250 <250	<250 <250	<0.1 <2.5	<250 <250	<250 <250	<250 <250	<500 <500	<500 <500
74	06890900	04-12-89	<250	<250	<2.5	<250	<250	<250	<500	<500
75	390157095262500	10-17-87	<200	<200	--	<200	<200	<200	<400	<400
76	06891000	04-12-89	<250	<250	<2.5	<250	<250	<250	<500	<500
77	06891080	04-12-89	<250	<250	<1	<250	<250	<250	<500	<500
78	06891100	04-12-89	<250	<250	<2.5	<250	<250	<250	<500	<500
79	385329095353400	10-16-87 04-11-89	<200 <250	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<400 <500	<400 <500
83	06891500	04-11-89	<250	<250	<1	<250	<250	<250	<500	<500
87	06892000	04-11-89	<250	<250	<1	<250	<250	<250	<500	<500
88	06892350	04-11-89 04-11-89	<250 <250	<250 <250	<1 <2.5	<250 <250	<250 <250	<250 <250	<500 <500	<500 <500
89	06892500	04-11-89	<250	280	<2.5	<250	<250	<250	<500	<500
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<250 <250 <250 <250	<250 <250 420 280	82 87 95 120	<250 <250 <250 <250	<250 <250 <250 <250	<250 <250 <250 <250	540 <500 770 990	<500 <500 <500 <500
91	06892950	04-11-89	<250	340	39	<250	<250	<250	<500	<500

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down- stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	1,2-dichloro- benzene (µg/kg) (34539)	1,3-dichloro- benzene (µg/kg) (34569)	1,4-dichloro- benzene (µg/kg) (34574)	3,3'-dichloro- benzidine (µg/kg) (34634)	2,4-dichloro- phenol (µg/kg) (34604)	P,P' DDE, total (µg/kg) (39321)	P,P' DDT, total (µg/kg) (39301)	Dieldrin, total (µg/kg) (39383)	Diethyl phthalate (µg/kg) (34339)
72	06890100	04-11-89	<250	<250	<250	<1,200	<250	<0.1	<0.1	<0.1	<250
		04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
74	06890900	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
75	390157095262500	10-17-87	<200	<200	<200	--	<200	--	--	--	<200
76	06891000	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
77	06891080	04-12-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
78	06891100	04-12-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
79	385329095353400	10-16-87	<200	<200	<200	--	<200	--	--	--	<200
		04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
83	06891500	04-11-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
87	06892000	04-11-89	<250	<250	<250	<1,200	<250	<1	<1	<1	<250
88	06892350	04-11-89	<250	<250	<250	<1,200	<250	<1	5.0	<1	<250
		04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
89	06892500	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
90	06892940	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
		04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
		04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250
91	06892950	04-11-89	<250	<250	<250	<1,200	<250	<2.5	<2.5	<2.5	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Dimethyl- phthalate (µg/kg) (34344)	Di-N-butyl- phthalate (µg/kg) (39112)	4,6-dinitro- orthocresol (µg/kg) (34660)	2,4-dinitro- phenol (µg/kg) (34619)	2,4-dinitro- toluene (µg/kg) (34614)	2,6-dinitro- toluene (µg/kg) (34629)	Di-N-octyl phthalate (µg/kg) (34599)	2,4-DP (µg/kg) (34609)	Endosulfan, alpha (µg/kg) (34364)
72	06890100	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	<0.10 <2.5
74	06890900	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
75	390157095262500	10-17-87	<200	<200	<600	<600	<200	<200	<400	<200	--
76	06891000	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
77	06891080	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<.10
78	06891100	04-12-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
79	385329095353400	10-16-87 04-11-89	<200 <250	<200 <250	<600 <1,500	<600 <1,000	<200 <250	<200 <250	<400 <500	<200 <250	-- <2.5
83	06891500	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<.10
87	06892000	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<.10
88	06892350	04-11-89 04-11-89	<250 <250	<250 <250	<1,500 <1,500	<1,000 <1,000	<250 <250	<250 <250	<500 <500	<250 <250	<.10 <2.5
89	06892500	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<250 <250 <250 <250	<250 <250 <250 <250	<1,500 <1,500 <1,500 <1,500	<1,000 <1,000 <1,000 <1,000	<250 <250 <250 <250	<250 <250 <250 <250	<500 <500 <500 <500	<250 <250 <250 <250	<2.5 <2.5 <2.5 <2.5
91	06892950	04-11-89	<250	<250	<1,500	<1,000	<250	<250	<500	<250	<2.5

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Endrin, total (µg/kg) (39393)	Fluoro- anthene (µg/kg) (34379)	Fluorene (µg/kg) (34384)	Heptachlor epoxide, total (µg/kg) (39423)	Heptachlor, total (µg/kg) (39413)	Hexachloro- benzene, total (µg/kg) (39701)	Hexachloro- butadiene (µg/kg) (39705)	Hexachloro- cyclo- pentadiene (µg/kg) (34389)	Hexa- chloroethane (µg/kg) (34399)
72	06890100	04-11-89 04-11-89	<0.1 <2.5	<250 <250	<250 <250	<0.1 <2.5	<0.1 <2.5	<250 <250	<250 <250	<250 <250	<250 <250
74	06890900	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
75	390157095262500	10-17-87	--	<200	<200	--	--	<200	<200	<200	<200
76	06891000	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
77	06891080	04-12-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
78	06891100	04-12-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
79	385329095353400	10-16-87 04-11-89	-- <2.5	<200 <250	<200 <250	-- <2.5	-- <2.5	<200 <250	<200 <250	<200 <250	<200 <250
83	06891500	04-11-89	<1	<250	<250	<1	<1	<250	<250	<250	<250
87	06892000	04-11-89	<1	<250	<250	<1	4.1	<250	<250	<250	<250
88	06892350	04-11-89 04-11-89	<1 <2.5	<250 <250	<250 <250	<1 <2.5	<1 <2.5	<250 <250	<250 <250	<250 <250	<250 <250
89	06892500	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<2.5 <2.5 <2.5 <2.5	680 390 580 770	<250 <250 <250 <250	<2.5 <2.5 <2.5 <2.5	<2.5 <2.5 <2.5 <2.5	<250 <250 <250 <250	<250 <250 <250 <250	<250 <250 <250 <250	<250 <250 <250 <250
91	06892950	04-11-89	<2.5	<250	<250	<2.5	<2.5	<250	<250	<250	<250

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Down-stream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Indeno (1,2,3-Cd) pyrene (µg/kg) (34406)	Isophorone (µg/kg) (34411)	Lindane, total (µg/kg) (39343)	Naphthalene (µg/kg) (34445)	Nitrobenzene (µg/kg) (34450)	2-nitrophenol (µg/kg) (34594)	4-nitrophenol (µg/kg) (34649)	N-nitrosodi-propylamine (µg/kg) (34431)	N-nitrosodi-methylamine (µg/kg) (34441)
72	06890100	04-11-89 04-11-89	<500 <500	<250 <250	<0.1 <2.5	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	--
74	06890900	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
75	390157095262500	10-17-87	<400	<200	--	<200	<200	<200	<600	<200	<200
76	06891000	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
77	06891080	04-12-89	<500	<250	<.1	<250	<250	<250	<1,500	<250	--
78	06891100	04-12-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
79	385329095353400	10-16-87 04-11-89	<400 <500	<200 <250	-- <2.5	<200 <250	<200 <250	<200 <250	<600 <1,500	<200 <250	<200
83	06891500	04-11-89	<500	<250	<.1	<250	<250	<250	<1,500	<250	--
87	06892000	04-11-89	<500	<250	<.1	<250	<250	<250	<1,500	<250	--
88	06892350	04-11-89 04-11-89	<500 <500	<250 <250	<.1 <2.5	<250 <250	<250 <250	<250 <250	<1,500 <1,500	<250 <250	--
89	06892500	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<500 <500 <500 <500	<250 <250 <250 <250	<2.5 <2.5 <2.5 <2.5	<250 <250 <250 <250	<250 <250 <250 <250	<250 <250 <250 <250	<1,500 <1,500 <1,500 <1,500	<250 <250 <250 <250	-- -- -- --
91	06892950	04-11-89	<500	<250	<2.5	<250	<250	<250	<1,500	<250	--

Table 18. Concentrations of carbon and organic compounds in bed sediment--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	N-nitrosodiphenylamine (µg/kg) (34436)	Parachlorometacresol (µg/kg) (34455)	Pentachlorophenol (µg/kg) (39061)	Phenanthrene (µg/kg) (34464)	Phenol (C6H-5OH) (µg/kg) (34695)	Pyrene (µg/kg) (34472)	Toxaphene, total (µg/kg) (39403)	1,2,4-trichlorobenzene (µg/kg) (34554)	2,4,6-trichlorophenol (µg/kg) (34624)
72	06890100	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<5.0 <100	<250 <250	<1,000 <1,000
74	06890900	04-12-89	<250	<1500	<1,500	<250	<250	<250	<100	<250	<1,000
75	390157095262500	10-17-87	<200	<600	<600	<200	<200	<200	--	<200	<600
76	06891000	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
77	06891080	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
78	06891100	04-12-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
79	385329095353400	10-16-87 04-11-89	<200 <250	<600 <1,500	<600 <1,500	27 <250	93 <250	<200 <250	-- <100	<200 <250	<600 <1,000
83	06891500	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
87	06892000	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<5.0	<250	<1,000
88	06892350	04-11-89 04-11-89	<250 <250	<1,500 <1,500	<1,500 <1,500	<250 <250	<250 <250	<250 <250	<5.0 <100	<250 <250	<1,000 <1,000
89	06892500	04-11-89	<250	<1,500	<1,500	<250	<250	<250	<100	<250	<1,000
90	06892940	04-11-89 04-11-89 04-11-89 04-11-89	<250 <250 <250 <250	<1,500 <1,500 <1,500 <1,500	<1,500 <1,500 <1,500 <1,500	680 700 1,000 1,500	<250 <250 <250 <250	490 570 960 1,200	<100 <100 <100 <100	<250 <250 <250 <250	<1,000 <1,000 <1,000 <1,000
91	06892950	04-11-89	<250	<1,500	<1,500	<250	<250	310	<100	<250	<1,000

¹ TVA, Tennessee Valley Authority laboratory (Chattanooga, Tenn.).

USGS, U.S. Geological Survey laboratory (Arvada, Colo.).

Detection levels may differ.

² Different detection level due to chemical interference during analysis.

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water

[Number in parentheses is the U.S. Environmental Protection Agency identification code. Detection levels of chlorophyll-*b* vary according to the volume of sample collected and volume of dilution used during analysis. col/100 mL, colonies per 100 milliliters; µg/L, micrograms per liter; --, not determined; K, results based on colony count outside the acceptable range; E, estimated; <, less than]

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
1	06879100	09-29-87 07-27-88 11-15-88 03-08-89 06-01-89	1000 1300 1205 1000 1010	-- K210	93 56 44 33 110	2.8 9.6 1.0 12 3.8
		07-19-89	1150	330	--	--
2	390255096435000	09-29-87 07-27-88 11-15-88 03-08-89 06-01-89	1200 1150 1050 1140 0830	-- K9	76 12 4.9 2.7 15	11 3.4 .1 .6 1.8
5	06879820	09-29-87 07-24-88 11-16-88 03-09-89 06-02-89	1515 1020 0850 0930 0820	-- 96 -- -- --	62 27 30 51 78	1.8 2.8 .6 23 3.5
6	06879900	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1250 0730 1200 1015 1445	-- 160 -- -- --	23 45 16 1.1 63	2.8 12 1.0 .6 21
		07-18-89	1300	800	--	--
9	405221097582100	09-29-87 07-26-88 11-15-88 03-07-89 05-31-89	1045 0945 0815 1015 0930	-- 2,600 -- -- --	170 12 11 9.9 71	37 5.0 .9 7.6 12

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
10	405438097354800	09-28-87 07-26-88 11-14-88 03-07-89 05-31-89	1150 0900 1345 1000 1330	-- 1,900 -- -- --	23 24 12 1.7 1.5	2.9 5.6 1.0 .8 .2
11	06880000	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1350 0845 1050 1215 1600	-- 5,500 -- -- --	12 39 4.9 2.2 45	.8 .7 .3 .3 4.4
12	06880500	07-17-89 09-28-87 07-26-88 11-14-88 03-08-89 07-17-89	1440 1425 1000 0845 1130 1505	2,600 -- 10,000 -- -- 2,600	-- 13 68 100 1.6 --	-- .9 21 3.0 .3 --
16	403611098200600	09-29-87 07-26-88 11-15-88 03-07-89 05-30-89	1545 0630 1015 1600 1145	-- K260,000 -- -- --	6.7 1.6 4.6 1.3 17	.9 <.3 .7 1.8 4.5
17	404247097580600	07-18-89 09-29-87 07-25-88 11-15-88 03-07-89	1630 1215 1230 1130 1300	K790,000 -- -- -- --	-- 11 50 2.5 1.4	-- 1.4 14 .2 .7
18	403749097503400	09-29-87 07-25-88 11-15-88 03-07-89	1315 1130 1230 1445	-- 6,000 -- --	6.5 7.4 5.4 .8	.5 1.6 .3 <.5

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
18	403749097503400	05-30-89 07-18-89	1445 1135	-- K880	57 --	17 --
19	404327097354600	09-29-87 07-25-88 11-15-88 03-07-89 05-31-89	1030 1200 1300 1245 1100	-- -- -- -- --	18 43 8.9 .7 29	2.5 12 .3 .4 3.1
21	405029097322100	09-28-87 07-26-88 11-14-88 03-07-89 05-31-89	1030 1010 1425 1145 1245	-- 2,500 -- -- --	4.0 14 5.5 7.4 10	.4 3.1 <.1 1.1 1.0
23	06880800	07-18-89 09-29-87 07-25-88 11-15-88 03-08-89 05-31-89	1025 1545 1245 1420 1345 1430	4,700 -- 2,400 -- -- --	-- 26 31 5.3 2.1 29	-- 3.1 7.0 .1 .8 4.3
26	06881000	07-18-89 09-29-87 07-25-88 11-14-88 03-08-89 05-31-89	1450 1430 1030 1530 1500 1300	5,200 -- 1,500 -- -- --	-- 13 110 20 .5 43	-- 1.4 9.4 .4 .4 3.7
		07-17-89	1145	13,000	--	--

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
27	403304097311400	09-29-87	1145	--	100	11
		07-25-88	1325	--	19	5.4
		11-15-88	1110	--	29	3.5
		03-07-89	1345	--	3.1	.6
		05-30-89	1445	--	50	11
28	06881200	09-29-87	1320	--	6.5	.6
		07-25-88	0600	3,200	12	2.5
		11-14-88	1445	--	.9	<.1
		03-07-89	0855	--	.9	<.2
		05-31-89	1215	--	71	6.2
		07-17-89	1120	3,400	--	--
		09-28-87	1620	--	10	1.0
29	402348096591100	07-25-88	0630	4,100	52	7
		11-14-88	1200	--	1.4	<.1
		03-07-89	1240	--	.6	<.2
		05-31-89	1100	--	34	3.2
		09-28-87	1445	--	2.9	.4
		07-26-88	0510	10,000	14	3.6
		11-14-88	1045	--	.7	<.1
31	401730096500200	03-08-89	0900	--	1.7	<.2
		05-30-89	1630	--	14	6.5
		07-18-89	0755	95,000	--	--
		09-28-87	1315	--	6.8	1.2
		07-25-88	1330	--	47	9.2
		07-25-88	1700	--	39	8.8
		07-25-88	2100	--	36	8.0
32	06881500	07-27-88	0510	2,000	80	13
		11-14-88	0900	--	25	1.0
		03-07-89	1000	--	1.0	.5
		05-30-89	1000	--	77	9.1

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
34	400632096401600	09-28-87	1215	--	2.1	0.2
		07-25-88	0650	1,800	7.1	.6
		11-14-88	1020	--	5.3	.3
		03-07-89	1520	--	2.9	.6
		05-30-89	1345	--	16	2.1
35	06882000	07-16-89	1355	K640	--	--
		09-28-87	1050	--	13	1.8
		07-25-88	0540	K380	15	3.1
		11-14-88	1145	--	62	1.1
		03-07-89	1435	--	1.2	.6
		05-30-89	1245	--	26	4.1
		07-18-89	1330	5,200	--	--
36	06882510	09-30-87	1300	--	13	1.9
		07-25-88	1230	770	20	3.1
		11-16-88	1050	--	44	1.7
		03-09-89	0940	--	2.2	.9
		05-31-89	1240	--	72	8.1
		07-18-89	0800	4,900	--	--
37	402726098240500	09-30-87	0815	--	3.4	.1
		07-26-88	0515	K3,800	18	4.7
		11-15-88	1100	--	6.1	.1
		03-08-89	0800	--	.8	.5
		05-30-89	1200	--	.5	.2
38	06883000	09-30-87	0925	--	3.4	.2
		07-26-88	0810	940	32	7.6
		11-15-88	0940	--	3.3	<.1
		03-08-89	0920	--	1.6	.4
		05-30-89	1320	--	1.4	.3
		07-17-89	1020	50,000	--	--

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
39	401243097433500	09-30-87 07-26-88 11-15-88 03-08-89 05-31-89	1045 0630 0815 1100 1030	-- 3,000 -- -- --	4.2 70 2.7 .7 6.2	0.4 19 <.1 <.2 .6
40	06883570	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1450 0630 1655 1345 1200	-- 100 -- -- --	22 120 3.0 .9 6.4	.7 30 <.1 .5 .7
41	401826097451100	07-26-88	0600	30,000	19	4.1
42	06883940	09-28-87 07-26-88 11-14-88 03-08-89 05-31-89	1530 0545 1730 1250 1130	-- 530 -- -- --	12 2.9 1.1 .5 1.0	.3 .4 <.1 .4 .3
44	06884000	07-17-89 09-28-87 07-25-88 11-14-88 03-08-89 05-31-89	0850 1240 0845 1555 1225 1300	8,500 -- 1,200 -- -- --	-- 30 89 1.8 .7 9.6	-- 13 24 <.1 .4 .9
46	400359097101400	07-17-89 09-28-87 07-25-88 11-14-88 03-08-89 05-31-89 07-17-89	1545 1200 0615 1515 1200 1330 1445	24,000 -- 5,500 -- -- -- 9,200	-- 33 5.1 1.8 .6 33 --	-- 3.2 .9 <.1 <.2 5.0 --

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll-a phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll-b phytoplankton, chromofluorometer (µg/L) (70954)
47	06884025	09-28-87	1030	--	30	1.5
		07-25-88	1150	620	98	20
		11-14-88	1350	--	2.7	.1
		03-08-89	1040	--	.7	<.2
		05-31-89	1420	--	17	2.1
48	395513096561100	07-18-89	1040	10,000	--	--
		09-30-87	1210	--	22	2.4
		07-26-88	1215	770	13	2.4
		11-16-88	1400	--	1.6	.1
		03-09-89	0830	--	2.7	.5
		05-31-89	1415	--	26	6.3
		09-30-87	1420	--	55	2.4
		07-25-88	1400	470	61	15
		11-16-88	1130	--	5.7	.1
		11-16-88	1135	--	<.1	.2
49	06884400	03-08-89	1630	--	1.0	<.3
		03-08-89	1635	--	1.1	<.3
		03-08-89	1715	--	1.2	<.3
		03-08-89	1720	--	1.1	.4
		05-31-89	1540	--	48	6.2
		05-31-89	1545	--	57	6.9
		05-31-89	1550	--	58	8.6
		05-31-89	1555	--	53	7.6
		07-18-89	1145	10,000	--	--
		09-30-87	1430	--	9.6	.8
		07-24-88	1320	710	58	7.1
		11-16-88	1340	--	1.5	.1
		11-16-88	1350	--	1.6	<.1
		03-09-89	1130	--	1.3	.3
		05-31-89	1055	--	46	8.7
		07-19-89	0925	990	--	--
50	06885500	09-30-87	1430	--	9.6	.8
		07-24-88	1320	710	58	7.1
		11-16-88	1340	--	1.5	.1
		11-16-88	1350	--	1.6	<.1
		03-09-89	1130	--	1.3	.3

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
51	06886500	09-30-87	1050	--	32	2.9
		07-24-88	1445	120	40	5.0
		11-16-88	0940	--	5.3	.4
		03-09-89	1115	--	8.3	2.7
		05-31-89	1730	--	4.3	.6
52	06887000	09-30-87	1045	--	3.3	.7
		09-30-87	1125	--	1.2	<.1
		07-24-88	1045	K7	3.3	.3
		11-15-88	1445	--	3.6	<.1
		03-08-89	1430	--	2.6	.2
55	392844096093500	06-02-89	1030	--	8.9	1.1
		07-19-89	1100	K16	--	--
		09-29-87	1245	--	11	1.4
		07-27-88	0930	120	22	3.9
		11-15-88	1330	--	11	.3
56	06888030	03-08-89	1345	--	.8	.7
		05-31-89	0900	--	18	3.8
		09-29-87	1410	--	47	5.0
		07-27-88	1120	K32	11	2.1
		11-15-88	1115	--	4.5	.2
57	06888300	03-08-89	1100	--	.9	<.3
		06-01-89	1450	--	52	11
		07-19-89	1330	590	--	--
		09-30-87	1325	--	51	3.3
		07-29-88	0815	K64	6.6	1.4
58	06888350	03-08-89	1645	--	.8	<.3
		06-01-89	1645	--	8.1	1.5
		09-29-87	0930	--	62	1.3
		07-27-88	0910	K48	34	3.7
		11-15-88	1445	--	16	.4

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
58	06888350	03-10-89	1110	--	16	21
		05-30-89	1845	--	32	4.6
		07-19-89	1430	360	--	--
59	06888500	09-29-87	1515	--	35	2.7
		07-27-88	1010	21	11	2.1
		11-15-88	1100	--	2.0	.1
		03-08-89	1310	--	1.3	.7
		06-01-89	1145	--	9.8	1.1
60	390820095571500	07-19-89	1525	45	--	--
		09-29-87	1340	--	32	3.6
		07-29-88	0535	140	23	3.6
		11-15-88	1240	--	9.3	<.1
		03-09-89	1230	--	3.2	1.0
		06-01-89	1310	--	23	3.8
		09-29-87	1015	--	84	1.7
61	06888705	07-29-88	0415	K9	44	4.4
		11-15-88	1030	--	12	.3
		03-08-89	1030	--	3.7	2.3
		05-31-89	1710	--	61	7.7
		09-28-87	1400	--	110	2.7
62	06889000	07-29-88	0530	E24	27	4.1
		07-29-88	0535	K24	38	5.7
		11-15-88	0755	--	6.8	.3
		03-07-89	1510	--	4.9	.7
		06-01-89	1815	--	65	10
63	06889160	07-20-89	1320	530	--	--
		09-28-87	1010	--	21	2.2
		07-29-88	0910	K88	23	9.4
		11-14-88	1000	--	.5	<.1
		03-07-89	1010	--	2.9	.1
		06-01-89	1300	--	18	1.8

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
64	06889500	09-28-87	1200	--	43	4.8
		09-28-87	1215	--	42	4.1
		07-28-88	1230	K42	13	5.8
		07-28-88	1235	--	12	4.7
		11-14-88	1530	--	9.3	.3
		03-07-89	1230	--	4.2	.6
		03-07-89	1235	--	3.8	.6
		03-07-89	1330	--	2.7	.5
		03-07-89	1335	--	2.4	.3
		05-31-89	1430	--	32	6.1
71	394757095434300	05-31-89	1435	--	31	5.3
		07-20-89	1440	390	--	--
		09-29-87	1030	--	9.9	1.1
		07-27-88	0610	190	15	2.1
		11-17-88	1230	--	1.1	<.1
		03-09-89	1100	--	2.2	.5
		06-01-89	1445	--	42	6.8
		09-29-87	1200	--	11	1.1
		09-29-87	1205	--	11	1.1
		07-27-88	0745	160	17	3.5
72	06890100	11-17-88	1020	--	5.5	.2
		03-09-89	1230	--	3.5	.4
		06-02-89	0945	--	22	3.5
		07-21-89	0955	480	--	--
		09-29-87	1330	--	8.0	.5
		07-27-88	0810	1,000	4.4	1.6
		11-17-88	1300	--	11	.5
		11-17-88	1305	--	7.3	.3
		11-17-88	1345	--	7.6	.2
73	392823095362800					

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
73	392823095362800	11-17-88	1350	--	8.8	0.3
		03-09-89	1400	--	6.8	1.2
		03-09-89	1405	--	6.9	1.4
		03-09-89	1440	--	6.7	1.0
		03-09-89	1445	--	6.8	1.3
		06-02-89	1100	--	2.3	.4
74	06890900	06-02-89	1105	--	2.0	.4
		10-02-87	1115	--	4.3	.2
		07-29-88	1020	<1	1.7	.4
		11-15-88	1430	--	2.1	<1
		03-07-89	0800	--	5.5	1.3
		05-31-89	1630	--	.9	.2
		07-21-89	1000	5	--	--
		09-28-87	1500	--	14	3.8
		07-28-88	0615	560	75	10
		03-07-89	1400	--	5.7	.5
76	06891000	03-07-89	1405	--	5.8	.5
		03-07-89	1410	--	4.8	.5
		05-31-89	1845	--	46	4.6
		07-21-89	0930	K10,000	--	--
		09-28-87	1205	--	120	3.5
		07-28-88	0605	K27	30	5.1
		11-14-88	1030	--	22	1.0
		03-07-89	1345	--	2.7	.8
		06-03-89	0935	--	67	6.7
		09-28-87	0930	--	140	3.0
77	06891080	07-28-88	0515	250	34	5.5
		11-14-88	1440	--	7.8	.4
		03-07-89	1030	--	1.7	.7
		06-01-89	1800	--	52	6.1
		09-28-87	0930	--	140	3.0
		07-28-88	0515	250	34	5.5
78	06891100	11-14-88	1440	--	7.8	.4
		03-07-89	1030	--	1.7	.7
		06-01-89	1800	--	52	6.1
		09-28-87	0930	--	140	3.0
		07-28-88	0515	250	34	5.5
		11-14-88	1440	--	7.8	.4

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
78	06891100	07-20-89	1010	1,200	--	--
79	385329095353400	09-28-87	1545	--	49	7.1
		07-29-88	0645	210	16	2.7
		03-07-89	1600	--	3.2	.2
		05-31-89	0930	--	3.8	.5
83	06891500	09-29-87	1530	--	6.5	1.2
		09-29-87	1535	--	7.9	1.5
		07-29-88	0530	280	12	.8
		03-07-89	1300	--	1.3	.1
		05-31-89	1045	--	7.5	.5
86	06891850	07-20-89	0915	100	--	--
		09-28-87	1045	--	58	7.5
		07-28-88	0615	--	12	1.3
		07-28-88	0620	--	11	1.2
		07-28-88	1200	--	93	14
		03-08-89	1200	--	3.6	.7
87	06892000	06-02-89	1250	--	11	2.6
		09-28-87	1250	--	24	3.3
		09-28-87	1255	--	24	3.7
		07-28-88	0445	K62	16	2.2
		11-14-88	1345	--	1	.2
		11-14-88	1350	--	8.8	.8
		03-08-89	1415	--	3.5	.4
		06-02-89	1530	--	23	4.6
		07-19-89	1630	K1,500	--	--
88	06892350	09-28-87	1500	--	140	4.7
		07-28-88	0610	K54	40	7.7
		11-16-88	1510	--	9.5	.6
		11-16-88	1515	--	9.2	.5
		03-07-89	1550	--	3.0	1.0

Table 19. Colony counts of *Escherichia coli* (*E. coli*) and concentrations of chlorophyll in water--Continued

Downstream order and map reference number (plate 1)	U.S. Geological Survey identification number	Date	Time (24-hour)	<i>E. coli</i> , water whole, total (col/100 mL) (31648)	Chlorophyll- <i>a</i> phytoplankton, chromofluorometer (µg/L) (70953)	Chlorophyll- <i>b</i> phytoplankton, chromofluorometer (µg/L) (70954)
88	06892350	03-07-89	1555	--	3.5	0.8
		03-07-89	1630	--	2.8	.8
		03-07-89	1635	--	2.9	1.1
		05-30-89	1905	--	51	5.7
		05-30-89	1910	--	57	8.0
90	06892940	07-20-89	1520	K2,500	--	--
		09-28-87	1250	--	.6	<.1
		07-29-88	0510	184	3.3	.6
		07-29-88	0515	190	2.5	.8
		11-14-88	1210	--	.3	<.1
		11-14-88	1215	--	.3	<.1
		11-14-88	1315	--	.2	<.1
		11-14-88	1320	--	.5	<.1
		03-07-89	0925	--	2.0	1.3
		06-02-89	1440	--	.7	.1
91	06892950	07-20-89	1400	1,000	--	--
		09-28-87	1115	--	220	5.5
		07-29-88	0615	390	40	5.5
		11-14-88	1000	--	16	.6
		03-07-89	1320	--	9.7	3.1
		06-02-89	1145	--	23	3.2
		07-20-89	1140	330	--	--

Table 20. Concentrations of selenium in streambed sediment, 1987

[Map reference numbers do not necessarily correspond to those in tables 1-19. <, less than. Number in parentheses is the U.S. Environmental Protection Agency identification code]

Map reference number (fig. 1)	Map refere- nce number corre- sponding to plate 1 and tables 1-19, if applicable	Latitude (degrees, minutes, seconds)	Longitude (degrees, minutes, seconds)	U.S. Geological Survey station number	Date	Selenium concentrations (micrograms per gram)	
						<63 micron, wet sieve, field, total as Se (34950)	<63 micron, dry sieve, laboratory, total as Se (34952)
SITES ON PRINCIPAL STREAMS							
S-1	1	39 03 09	96 46 33	06879100	10/14/1987	0.5	--
S-2	3	39 06 07	96 35 42	06879650	10/14/1987	.8	--
S-3	4	39 08 33	96 33 25	390833096332500	10/14/1987	.4	--
S-4	6	41 06 05	97 18 35	06879900	10/14/1987	.4	--
S-5	7	40 54 57	97 07 18	405457097071800	10/14/1987	.7	--
S-6	8	40 52 49	98 01 00	405249098010000	10/15/1987	.5	--
S-7	9	40 52 21	97 58 21	405221097582100	10/15/1987	.6	--
S-8	10	40 54 38	97 35 48	405438097354800	10/14/1987	.7	--
S-9	11	40 54 57	97 08 43	06880000	10/14/1987	.9	--
S-10	13	40 52 20	97 04 25	405220097042500	10/14/1987	.4	--
S-11	20	40 51 08	97 38 06	405108097380600	10/14/1987	.4	--
S-12	21	40 50 29	97 32 21	405029097322100	10/14/1987	.6	--
S-13	--	40 36 11	98 20 06	403611098200600	10/15/1987	.6	--
S-14	--	40 37 49	97 50 34	403749097503400	10/15/1987	.3	--
S-15	--	40 43 27	97 35 46	404327097354600	10/14/1987	.5	--
S-16	23	40 43 52	97 10 38	06880800	10/14/1987	.7	--
S-17	25	40 40 07	96 58 30	404007096583000	10/14/1987	.6	--
S-18	26	40 35 47	96 57 33	06881000	10/14/1987	.5	--
S-19	27	40 33 04	97 31 14	403304097311400	10/15/1987	.3	--
S-20	28	40 28 48	97 00 43	06881200	10/14/1987	.7	--
S-21	29	40 23 48	96 59 11	402348096591100	10/14/1987	.5	--
S-22	30	40 18 23	96 48 07	401823096480700	10/14/1987	.4	--
S-23	33	40 14 25	96 41 22	401425096412200	10/14/1987	.5	--
S-24	34	40 06 32	96 40 16	400632096401600	10/14/1987	.6	--
S-25	35	40 02 40	96 35 12	06882000	10/15/1987	.4	--
S-26	36	39 50 31	96 39 39	06882510	10/14/1987	.4	--
S-27	38	40 19 58	98 04 00	06883000	10/15/1987	.2	--
S-28	40	40 12 25	97 23 18	06883570	10/15/1987	.5	--
S-29	41	40 18 26	97 45 11	401826097451100	10/15/1987	.2	--
S-30	42	40 14 06	97 23 20	06883940	10/15/1987	.4	--
S-31	43	40 09 40	97 12 20	400940097122000	10/15/1987	.3	--
S-32	45	40 05 19	97 08 07	400519097080700	10/15/1987	.4	--
S-33	46	40 03 59	97 10 14	400359097101400	10/15/1987	.5	--
S-34	47	39 58 48	97 00 16	06884025	10/15/1987	.3	--
S-35	49	39 46 33	96 51 29	06884400	10/14/1987	.6	--
S-36	50	39 41 03	96 26 15	06885500	10/14/1987	.4	--
S-37	51	39 28 20	96 49 55	06886500	10/15/1987	.7	--
S-38	52	39 14 14	96 34 16	06887000	10/14/1987	.4	--
S-39	54	39 11 09	96 25 10	391109096251000	10/15/1987	.5	--
S-40	56	39 21 00	96 13 10	06888030	10/15/1987	.5	--

Table 20. Concentrations of selenium in streambed sediment, 1987--Continued

Map reference number (fig. 1)	Map refere- ence number corre- sponding to plate 1 and tables 1-19, if applicable	Latitude (degrees, minutes, seconds)	Longitude (degrees, minutes, seconds)	U.S. Geological Survey station number	Date	Selenium concentrations (micrograms per gram)	
						<63 micron, wet sieve, field, total as Se (34950)	<63 micron, dry sieve, laboratory, total as Se (34952)
SITES ON PRINCIPAL STREAMS--Continued							
S-41	57	39 15 53	96 22 47	06888300	10/15/1987	0.6	--
S-42	58	39 11 15	96 08 50	06888350	10/15/1987	.5	--
S-43	59	39 03 44	96 10 52	06888500	10/15/1987	.5	--
S-44	60	39 08 20	95 57 15	390820095571500	10/15/1987	.4	--
S-45	61	39 05 54	95 56 47	06888705	10/15/1987	.4	--
S-46	62	39 04 00	95 38 58	06889000	10/13/1987	.5	--
S-47	64	39 06 00	95 43 27	06889500	10/13/1987	.5	--
S-48	65	39 05 45	95 39 46	390545095394600	10/13/1987	.5	--
S-49	69	39 03 16	95 36 46	390316095364600	10/13/1987	.5	--
S-50	70	39 03 34	95 35 43	390334095354300	10/13/1987	.4	--
S-51	72	39 31 17	95 31 57	06890100	10/16/1987	.6	--
S-52	74	39 06 51	95 25 33	06890900	10/16/1987	.7	--
S-53	76	39 03 07	95 23 15	06891000	10/17/1987	.4	--
S-54	77	38 58 31	95 14 08	06891080	10/16/1987	.6	--
S-55	78	38 57 22	95 05 43	06891100	10/16/1987	.4	--
S-56	79	38 53 29	95 35 34	385329095353400	10/16/1987	.5	--
S-57	83	38 54 40	95 15 37	06891500	10/16/1987	.4	--
S-58	87	39 06 59	95 00 39	06892000	10/16/1987	.5	--
S-59	88	38 59 00	94 57 52	06892350	10/16/1987	.7	--
S-60	89	39 03 37	94 52 21	06892500	10/13/1987	.6	--
S-61	90	39 03 31	94 37 33	06892940	10/13/1987	.9	--
S-62	91	39 05 24	94 36 32	06892950	10/13/1987	.7	--
SITES ON FIRST- AND SECOND-ORDER STREAMS							
S-63	--	38 53 54	95 46 53	385355095465300	10/13/1987	--	0.3
S-64	--	38 55 39	96 39 13	385539096391300	10/14/1987	--	.4
S-65	--	38 56 37	94 46 43	385637094464300	10/11/1987	--	.4
S-66	--	38 57 24	96 16 21	385724096162100	10/19/1987	--	.2
S-67	--	39 02 36	94 51 11	390237094511100	10/11/1987	--	.4
S-68	--	39 03 06	95 50 54	390306095505500	10/13/1987	--	.2
S-69	--	39 04 45	95 56 46	390445095564700	10/13/1987	--	.3
S-70	--	39 08 35	94 52 10	390835094521000	10/11/1987	--	.4
S-71	--	39 08 36	95 05 34	390836095053400	10/12/1987	--	.4
S-72	--	39 12 14	95 55 25	391214095552500	10/13/1987	--	.4
S-73	--	39 13 17	96 08 14	391317096081400	10/18/1987	--	.2
S-74	--	39 16 51	96 21 07	391651096210700	10/14/1987	--	.5
S-75	--	39 16 51	96 39 04	391651096390400	10/18/1987	--	.2
S-76	--	39 23 53	95 21 58	392353095215800	10/13/1987	--	.4
S-77	--	39 25 15	96 17 51	392515096175100	10/14/1987	--	.4

Table 20. Concentrations of selenium in streambed sediment, 1987--Continued

Map refer- ence number (fig. 1)	Map refere- nce corre- sponding to plate 1 and tables 1-19, if applicable	Latitude (degrees, minutes, seconds)	Longitude (degrees, minutes, seconds)	U.S. Geological Survey station number	Date	Selenium concentrations (micrograms per gram)	
						<63 micron, wet sieve, field, total as Se (34950)	<63 micron, dry sieve, laboratory, total as Se (34952)
SITES ON FIRST- AND SECOND-ORDER--Continued							
S-78	--	39 30 29	96 43 09	393029096430900	10/18/1987	--	0.3
S-79	--	39 30 54	95 39 49	393054095394900	10/14/1987	--	.5
S-80	--	39 36 33	96 27 31	393633096273100	10/17/1987	--	.2
S-81	--	39 41 48	95 49 48	394147095494800	10/14/1987	--	.4
S-82	--	39 47 54	96 26 40	394754096264000	10/17/1987	--	.3
S-83	--	39 48 37	96 59 37	394837096593700	10/15/1987	--	.3
S-84	--	39 50 35	97 25 41	395032097254000	10/14/1987	--	.4
S-85	--	39 51 24	97 29 13	395124097291300	10/14/1987	--	.4
S-86	--	39 54 00	97 02 18	395447097021800	10/15/1987	--	.5
S-87	--	40 00 56	96 22 33	400057096223300	10/13/1987	--	.4
S-88	--	40 07 04	97 14 17	400704097141700	10/14/1987	--	.2
S-89	--	40 12 16	97 08 34	401216097083400	10/12/1987	--	.4
S-90	--	41 13 08	96 26 30	401309096263000	10/13/1987	--	.3
S-91	--	40 15 45	97 05 35	401545097053500	10/12/1987	--	.3
S-92	--	40 20 09	98 37 16	402009098371600	09/21/1987	--	.6
S-93	--	40 27 07	97 53 33	402707097533300	09/22/1987	--	.4
S-94	--	40 43 38	98 17 52	404338098175200	09/20/1987	--	.3
S-95	--	40 47 08	97 32 44	404708097324400	09/18/1987	--	.4
S-96	--	40 49 44	97 08 07	404944097080700	09/18/1987	--	.4
S-97	--	40 54 40	98 11 16	405440098111700	09/20/1987	--	.4