Hydrologic Data, Colorado River and Major Tributaries, Glen Canyon Dam to Diamond Creek, Arizona, Water Years 1990–95

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Hydrologic Data, Colorado River and Major Tributaries, Glen Canyon Dam to Diamond Creek, Arizona, Water Years 1990–95

By John J. Rote, Marilyn E. Flynn, and Donald J. Bills

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CONVERSION FACTORS

Multiply	By	To obtain
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
cubic foot per second (ft^3/s)	0.02832	cubic meter per second

In this report, air temperature is reported in degrees Fahrenheit (°F), which can be converted to degrees Celsius (°C) by using the following equation:

$$°C = (°F-32)/1.8$$

ABBREVIATED WATER-QUALITY UNITS

Chemical concentration and water temperature are given only in metric units. Chemical concentration in water is given in milligrams per liter (mg/L) or micrograms per liter (mg/L). Milligrams per liter is a unit expressing the solute mass (milligrams) per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. For concentrations less than 7,000 milligrams per liter, the numerical value is about the same as for concentrations in parts per million. Specific conductance is given in microsiemens per centimeter (mS/cm) at 25°C. Chemical concentration in bottom sediment is given in grams per kilogram (g/kg), micrograms per gram (mg/g), milligrams per kilogram (mg/kg), or micrograms per kilogram (mg/kg). Grams per kilogram is equal to parts per thousands (ppt). Milligrams per kilogram and micrograms per gram are equal to parts per million (ppm). Micrograms per kilogram are equal to parts per billion (ppb).

VERTICAL DATUM

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929

Hydrologic Data, Colorado River and Major Tributaries, Glen Canyon Dam to Diamond Creek, Arizona, Water Years 1990–95

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Abstract

The U.S. Geological Survey collected hydrologic data at 12 continuous-record stations along the Colorado River and its major tributaries between Glen Canyon Dam and Diamond Creek. The data were collected from October 1989 through September 1995 as part of the Bureau of Reclamation's Glen Canyon Environmental Studies. The data include daily values for streamflow discharge, suspended-sediment discharge, temperature, specific conductance, pH, and dissolved-oxygen concentrations, and discrete values for physical properties and chemical constituents of water. All data are presented in tabular form.

INTRODUCTION

The Colorado River, which originates in Colorado, flows about 1,400 mi through portions of five western States to the Gulf of California. The Colorado drains a large area of the arid West where water is an important resource. The management of this resource has resulted in the placement of many controls on the river for power production and irrigation. Currently 13 reservoirs are on the Colorado River and its tributaries. The newest reservoir, Lake Powell, was formed after the completion of Glen Canyon Dam in 1963 (fig. 1).

Downstream from Lake Powell, the Colorado River flows through Glen, Marble, and Grand Canyons, which provide habitat for several endangered species as well as being popular scenic and recreational areas. The completion of Glen Canyon Dam in 1963 and the filling of Lake Powell in 1980 changed the behavior and characteristics of the Colorado River below the dam.

In 1982, the Bureau of Reclamation (BOR) began Phase I of the Glen Canyon Environmental Studies (GCES), to determine the effects of dam operations on the downstream riverine environment. The U.S. Geological Survey (USGS) collected streamflow and sediment-transport data during this first phase (Garrett and others, 1993). During Phase I, unexpected floodflows in 1983, 1984, 1985, and 1986 prevented adequate study of flows typical of the dam's powerplant operating criteria. After a review of Phase I by the National Academy of Science, the U.S. Department of the Interior directed that further studies be done. Phase II of the GCES program was initiated in 1989 to collect and analyze additional physical, chemical, and biological information. The USGS, in cooperation with the BOR, began to collect various hydrologic data in 1989. As of 1996, the USGS continues to monitor, collect, and evaluate hydrologic data from the Colorado River below Glen Canyon Dam. This report presents hydrologic data collected from October 1989 through September 1995 at 12 continuous-record stations (fig. 1) along the main stem of the Colorado River and its major tributaries between Glen Canyon Dam and Diamond Creek.

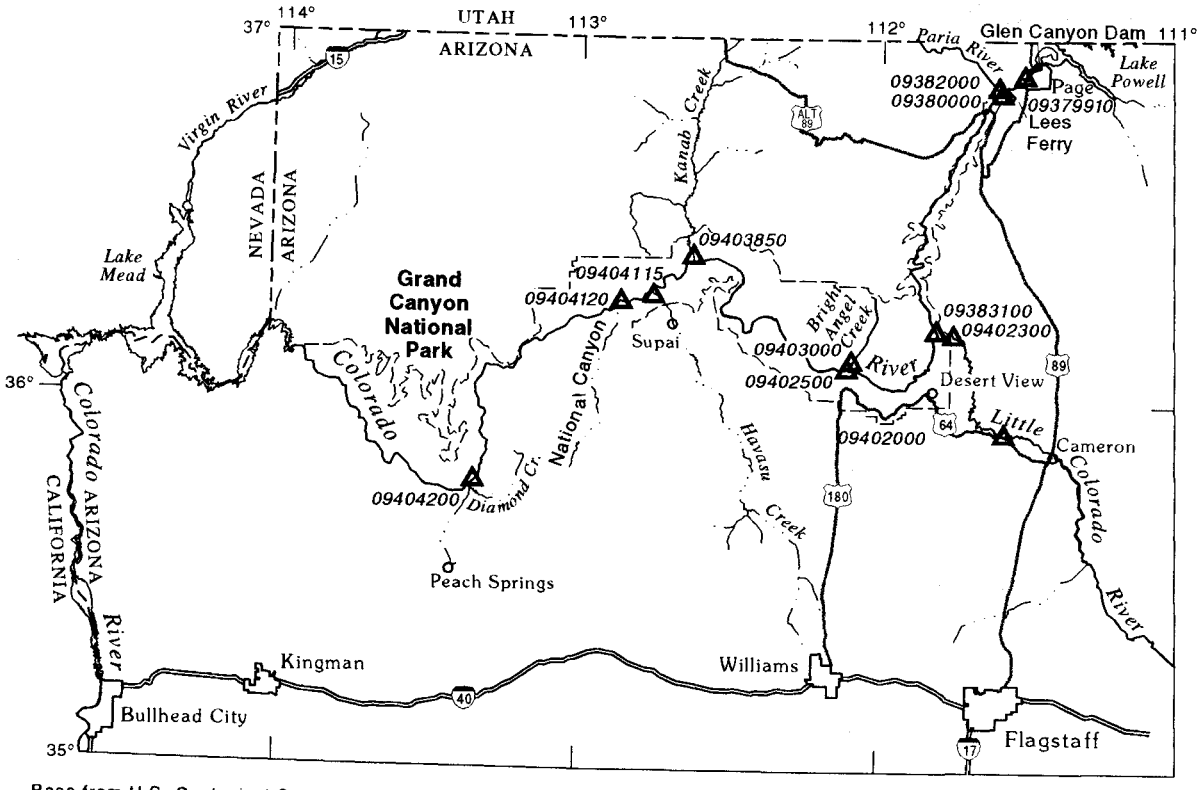

Figure 1. Study area and selected continuous-record streamflow-gaging stations used for data collection, Colorado River through the Grand Canyon, Arizona.

Acknowledgments

The data in this report are a direct result of the collaboration of several agencies and many individuals. The staff of Grand Canyon National Park assisted with access to data-collection sites, data collection, and equipment repair. The staff also responded in a timely manner to unusual flow events during the course of this study. OARS, Inc., operated the rafts and provided food and field support. The professionalism and support of the boatmen and cooks created a comfortable work environment under primitive conditions. Many volunteers donated their time and talents to provide crucial support in the collection of this data.

Description of the Study Area

The study area includes the Colorado River and its major tributaries between Glen Canyon Dam and Diamond Creek. Diamond Creek, which is at the downstream end of the study area, joins the Colorado River about 225 mi downstream from Glen Canyon Dam. The study area contains about 242 river miles and includes parts of Glen Canyon National Recreational Area and Grand Canyon National Park (fig. 1). The Colorado River originates in Colorado and has a drainage area of about 250,000 mi^2 at its mouth at the Gulf of California. Water is released from the upper Colorado River Basin (Colorado, Wyoming, New Mexico, and Utah) to the lower Colorado River Basin (Arizona, Nevada, and California) at Glen Canyon Dam on Lake Powell. The Colorado River Compact of 1923 requires by law that at least 8.23 million acre-ft/yr be released to the lower basin.

For much of its length through the Grand Canyon, the Colorado River is confined by bedrock, large blocks of talus, or by alluvial debris that is too coarse to be transported except during high flows. Flow depths in the thalweg range from about 5 to 105 ft at a discharge of 25,000 ft^3/s. Depths can change abruptly, and there are near-vertical drops of as much as 50 ft in gorges formed in the metamorphic and igneous rock (Wilson, 1986).

Climate in the study area is typical of the arid plateaus in deserts of the western United States with hot, dry summers and dry winters. Daily temperatures can range from below freezing in the winter to over 100°F during the summer. Annual precipitation ranges from 6 to 25 in. (J.P. Bennett, hydrologist, USGS, written commun., 1990).

In the study area, tributaries to the Colorado River can be categorized as those that originate outside the inner canyon and drain large plateau areas and those that originate within the canyon. The Paria River, Little Colorado River, Kanab Creek, and Havasu Creek originate outside the inner canyon and are the major drainage features between Glen Canyon Dam and Diamond Creek. The Paria and Little Colorado Rivers account for most of the suspended sediment in the Colorado River in this reach. Tributaries that have drainage basins largely within the inner canyon transport sediment as debris flows and appear to be the primary mechanism for the distribution of rapids on the Colorado River (Cooley and others, 1977; Howard and Dolan, 1981; Webb and others, 1989).

Hydrologic Conditions

Before Glen Canyon Dam was constructed, the Colorado River in the Grand Canyon had highly variable discharge and suspended-sediment concentration and a high seasonal variation in water temperature (figs. 2–4). During late spring and summer, the melting of the snowpack in the Rocky Mountains commonly produced annual maximum daily flows of about 80,000 ft^3/s. In contrast, flows of about 3,000 ft^3/s were typical throughout late summer, fall, and winter. High flow from spring snowmelt and thunderstorms produced flash floods from tributaries or side canyons and had the potential to cause dramatic changes in flow for intervals of a few days or less. Suspended-sediment discharge increased during the spring runoff and again in late summer as a result of tributary floods. Annual suspended-sediment load at Lees Ferry was 65.4 million tons during 1948–62 (Garrett and others, 1993). Water temperatures ranged from near freezing in winter to more than 26°C in late summer (Bureau of Reclamation, 1995).

During the period of filling of the reservoir (1963–80), flow remained within powerplant capacity (33,100 ft^3/s) except for 49 days during April, May, and June 1965. Average annual peak discharge during 1963–80 was about 29,000 ft^3/s.

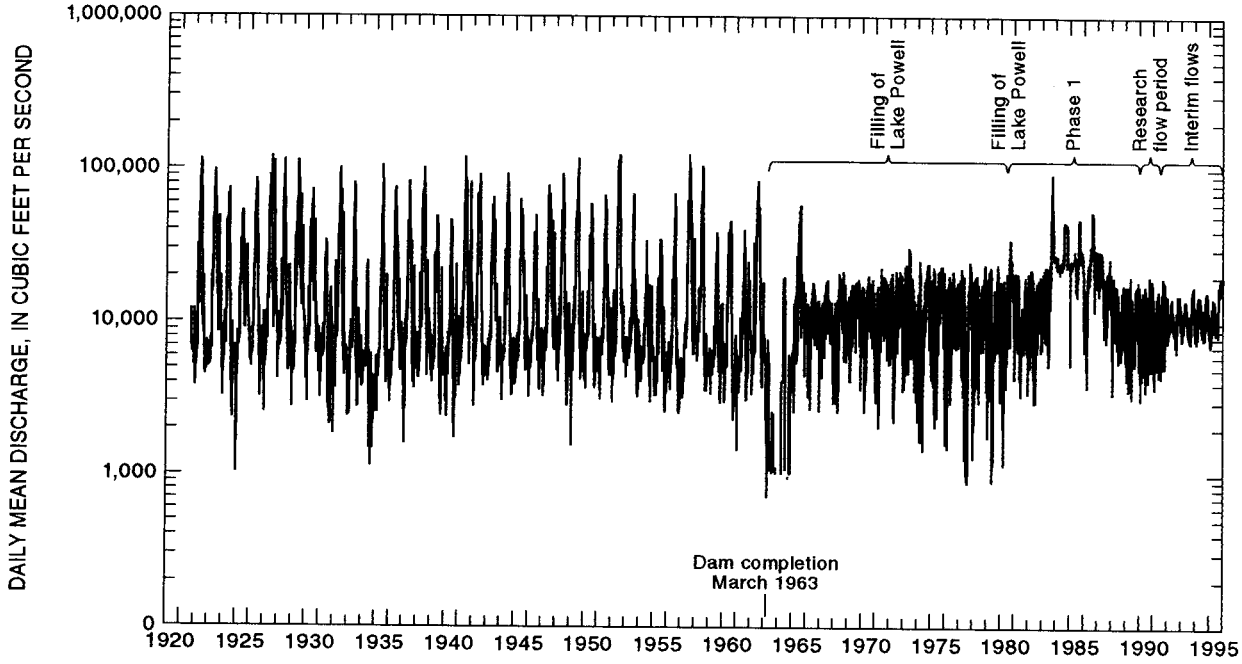

Figure 2. Daily mean discharge at streamflow-gaging station, Colorado River at Lees Ferry (station number *09380000*), 1921–95.

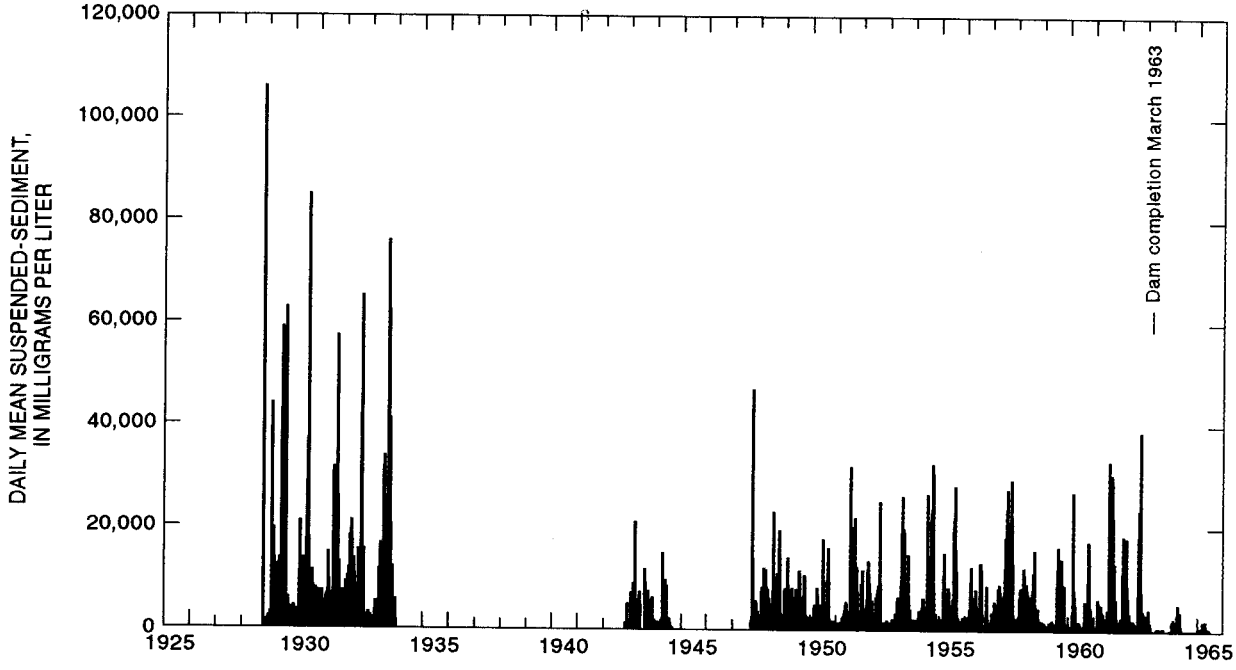

Figure 3. Daily mean suspended-sediment concentration at streamflow-gaging station, Colorado River at Lees Ferry (station number *09380000*); periods of record 1928–33, 1942–44, 1947–65.

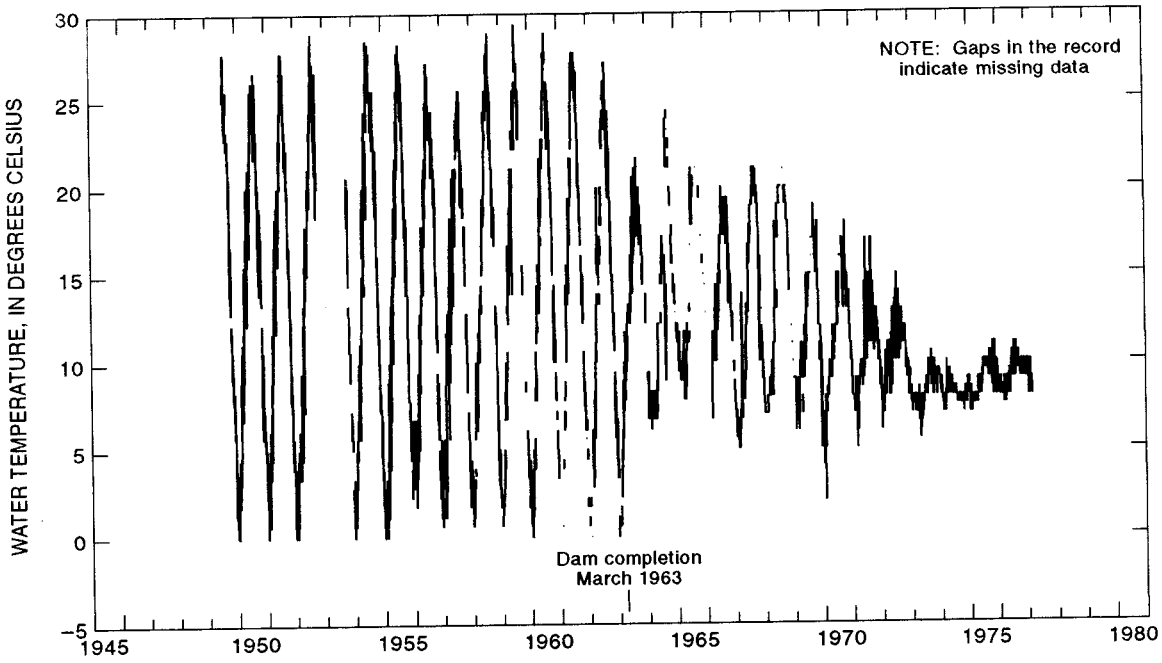

Figure 4. Daily water temperature at streamflow-gaging station, Colorado River at Lees Ferry (station number *09380000*), 1949–77. Temperature values represent instantaneous measurements made once a day.

Postdam-flow regulation has replaced seasonal-flow variations and daily fluctuations by reducing the frequency of discharges that were greater than powerplant capacity and increasing the range and rate of change of discharge during each day. Dam releases through the powerplant can range from 1,000 to 33,200 ft^3/s daily (fig. 5). River temperatures also have been lowered significantly by the release of cold water from deep in the lake. Temperatures at Lees Ferry ranged from approximately 7° to 16°C during 1977–95 (fig. 6). Lake Powell functions as a sediment trap and has reduced annual sediment load at Lees Ferry from 65.4 million tons during 1948–62 to an estimated 0.4 million tons during 1982–86 (Garrett and others, 1993). As of 1996, the suspended-sediment load of the Colorado River is derived primarily from the Paria and Little Colorado Rivers, which supplied only about 10 percent of the sediment load before the dam was built.

Reservoir releases designed and recommended by the GCES scientists were implemented in 1990 and 1991 (fig. 7) and are closely reflected in the measured flows at the continuous-record station at Colorado River at Lees Ferry (fig. 8). On the basis of information collected and analyzed during this period, a set of interim operating regulations for the dam was adopted and was to be used until the final Environmental Impact Statement (EIS) on dam operation could be completed. Operating regulations were defined on the basis of meeting the annual release requirements, maximum and minimum discharge rates, total change of discharge per day, and rate of change of discharge within a given day (fig. 9). These regulations were implemented on November 1, 1991, and are being used as of 1996.

In addition to flow release from the dam, the Colorado River in the Grand Canyon received significant inflow from the Little Colorado River in 1993, and Havasu Creek in 1990, 1991, and 1993. In January 1993, the Little Colorado River watershed received 572 percent of normal precipitation, and the runoff recorded at the station at the Little Colorado River near Cameron exceeded the 100-year floodflow volume for January by 68 percent. The magnitude of the high inflow is illustrated by comparing the discharge at two continuous-record stations upstream and downstream from the confluence of the Colorado River and the Little Colorado River (fig. 10).

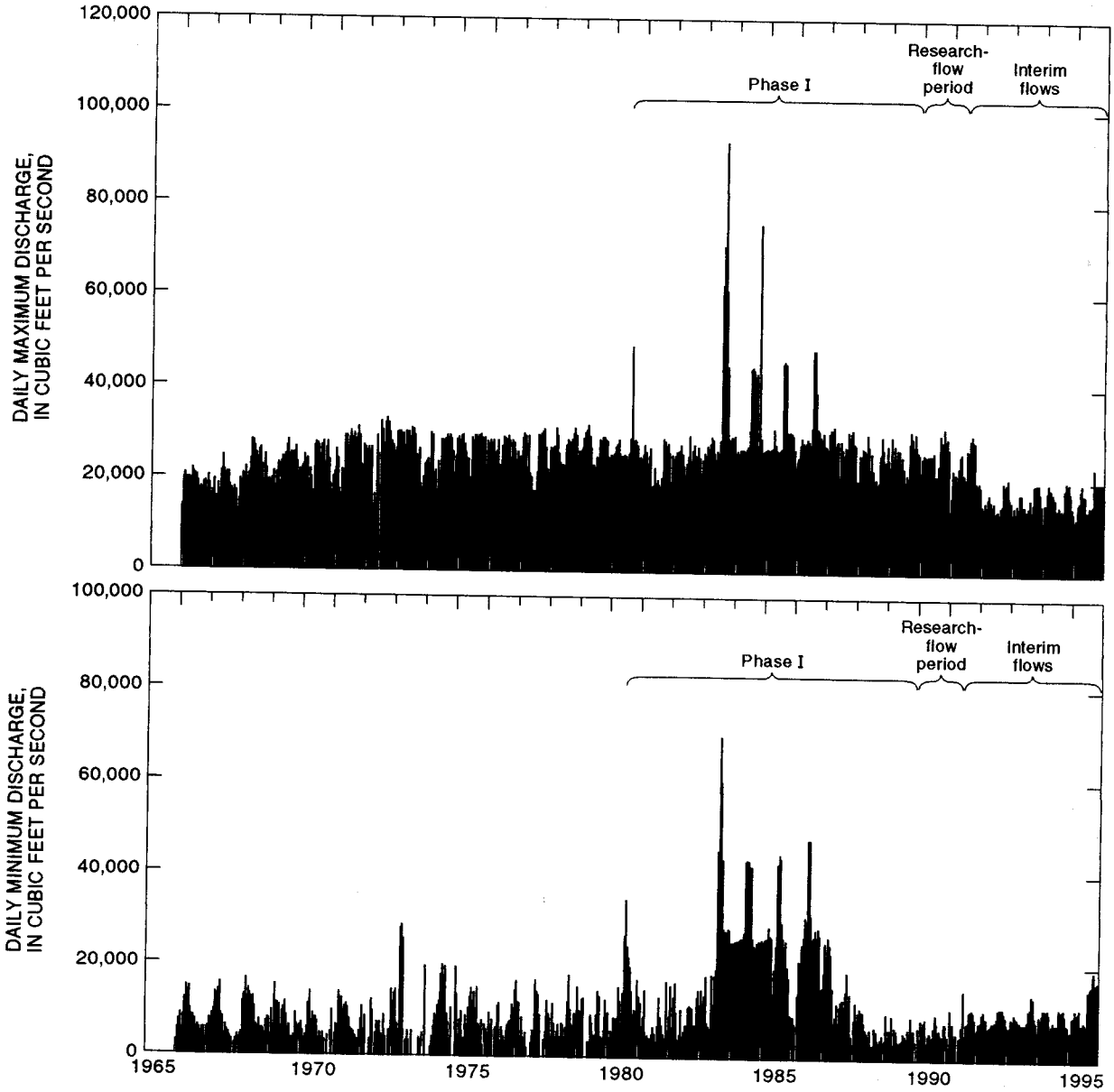

Figure 5. Maximum and minimum daily reservoir releases from Glen Canyon Dam near Page (station number *09379901*), 1966–95 (records furnished by the Bureau of Reclamation).

DATA COLLECTION

The gaging network consisted of 12 continuous-record stations on the main stem of the Colorado River and major tributaries of the Colorado River. All sites monitored during Phase I of the GCES study were included in the network (Garrett and others, 1993). All sites consisted of instrumentation to measure and record stage and some physical and chemical characteristics of the water (temperature, pH, specific conductance, and dissolved-oxygen concentration). Samples were collected and analyzed for suspended-sediment concentration and grain-size distribution at most sites. Daily total sediment and sand loads were computed only for samples collected at Little Colorado River near Cameron when the daily

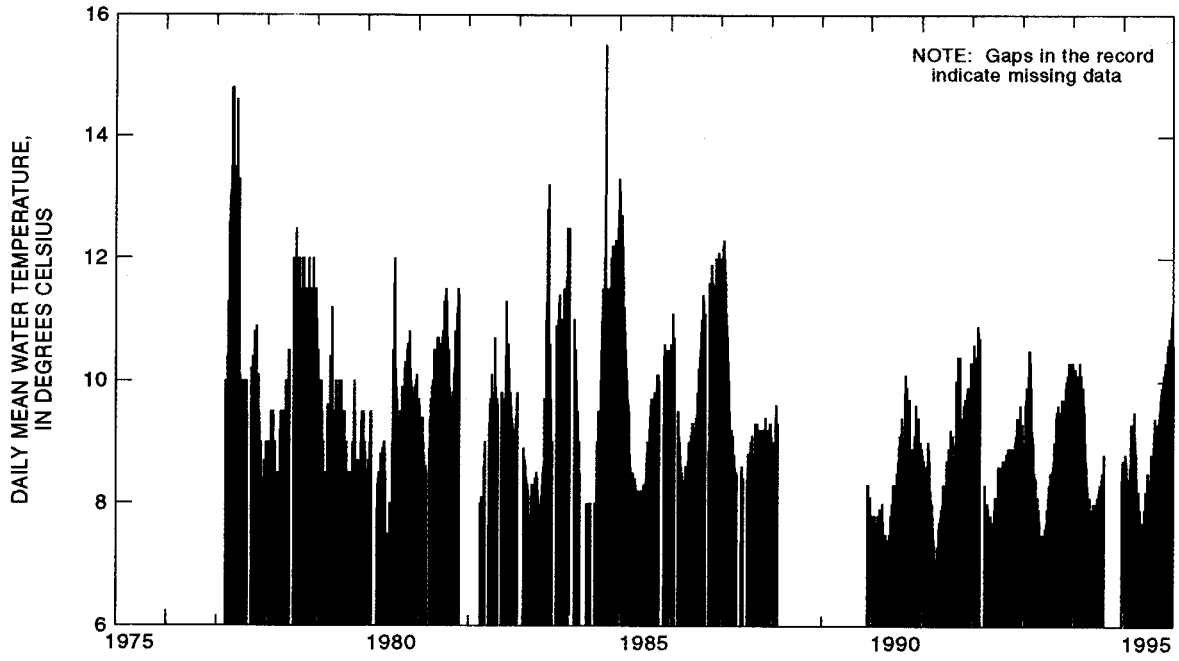

Figure 6. Daily mean water temperature at streamflow-gaging station, Colorado River at Lees Ferry (station number *09380000*), 1977–95.

discharge exceeded 20 ft^3/s and at Paria River at Lees Ferry when the daily discharge exceeded 30 ft^3/s. Station names and identifications, river-mile locations, data-collection periods, drainage areas, instrumentation, and types of collected data for the continuous-record sites are given in table 1.

Physical and chemical data were collected at several sites during the constant flow of 5,000 ft^3/s in October 1989 and at the continuous-record stations (table 1) during site visits. Most of the data in this report were collected using standard methods of the USGS. Methods for collection, examination, and computation of records of discharge, sediment, and water chemistry, and methods of identifying data-collection sites are described by Smith and others (1995).

INSTRUMENTATION

The stage at continuous-record stations was sensed by a float-driven shaft encoder or by a nonsubmersible pressure transducer driven by a nitrogen gas-feed system. River stage then was recorded from these devices by various instruments. Except for the stations at Little Colorado River above the mouth near Desert View and Havasu Creek above the mouth near Supai, the primary source of stage for all stations was received by telemetry using data-collection platforms (DCP's). A duplicate backup record was collected using dataloggers and analog strip-chart recorders. Telemetry data were transmitted at 4-hour intervals, and a backup record was retrieved when the gaging station was serviced. Instantaneous stage readings were collected at 15- or 30-minute intervals from which discharge was determined from a stage-discharge rating table. Stage-discharge ratings were verified by routine measurements of discharge using current meters.

Minimonitors and (or) automated-pumping samplers were used to monitor physical and chemical characteristics of water. Minimonitors were used to monitor pH, water temperature, specific conductance, and dissolved-oxygen concentration. DCP's recorded and transmitted constituent values and stage data. Analog digital recorders (ADR's) provided duplicate a backup record. Minimonitor instrumentation was discontinued in 1993 except for collection of water temperature and specific conductance at Colorado River at Lees Ferry. Monitoring of water temperature also was continued at Colorado River

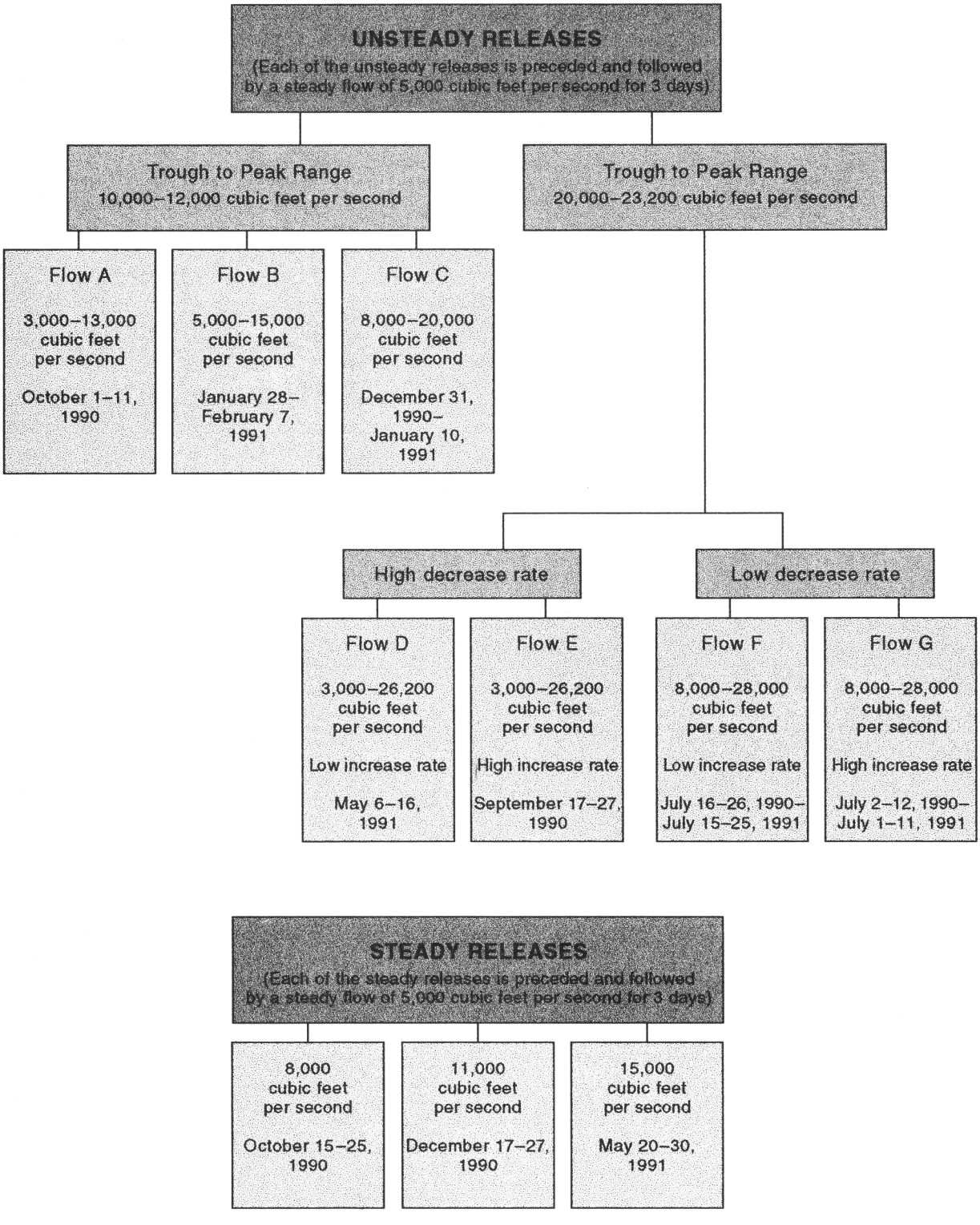

Figure 7. Research flows, June 1990 to July 1991.

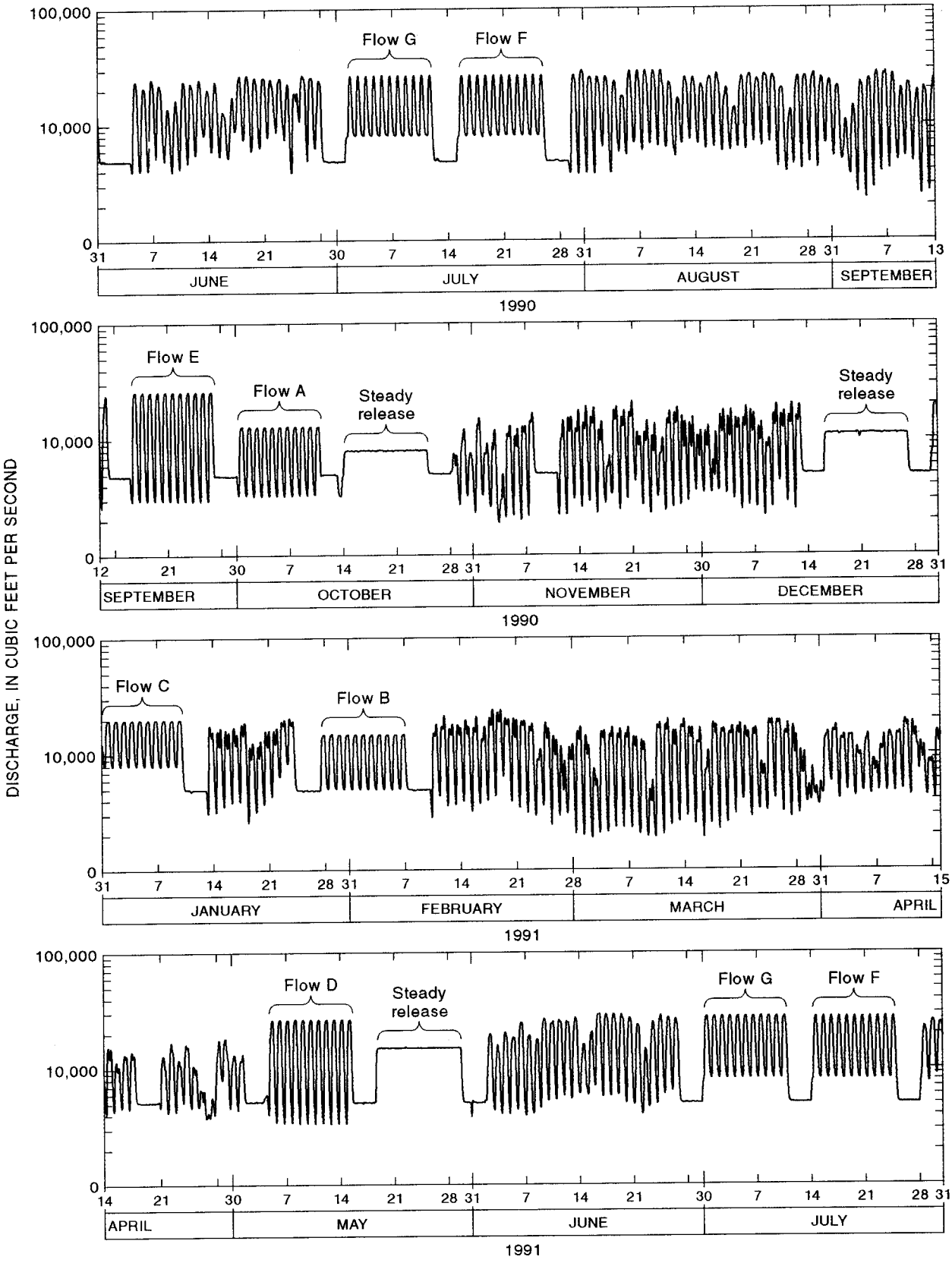

Figure 8. Discharge at streamflow-gaging station, Colorado River at Lees Ferry (station number *09380000*), 1990 and 1991.

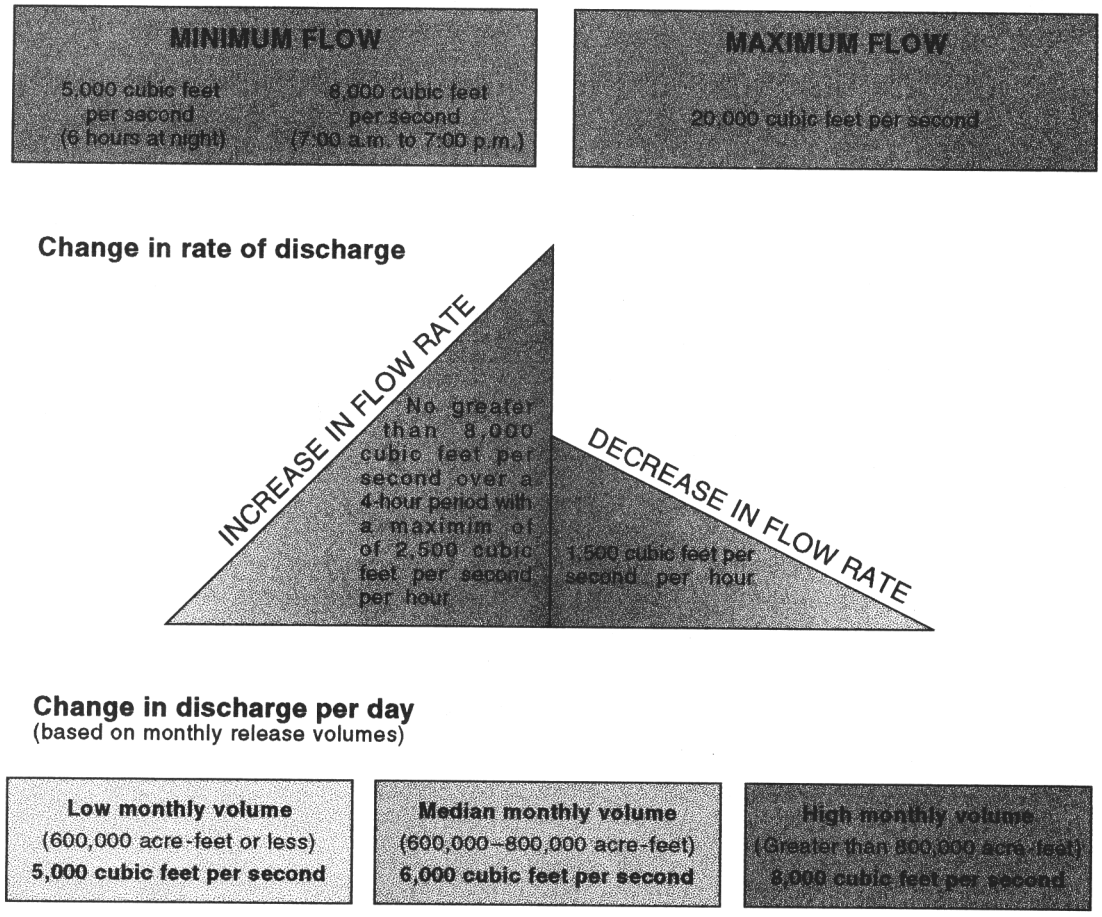

Figure 9. Interim operating regulations for Glen Canyon Dam.

above Little Colorado River and at Havasu Creek. In these cases, thermistors were wired directly to dataloggers for sensing and recording. Instantaneous readings at all sites were collected on 1-hour intervals. Suspended-sediment samples were collected by automatic-pumping samplers for concentration and grain-size analysis. Samplers were activated by DCP's or dataloggers on the basis of site-specific time and stage criteria.

Water samples were collected at the continuous-record stations during October 1989 and during routine site visits by field personnel. Samples were analyzed for alkalinity, dissolved-oxygen concentration, pH, specific conductance, and water temperature on-site and for specific chemical constituents at the USGS National Water-Quality Laboratory in Denver, Colorado. Suspended-sediment samples were analyzed at the USGS Sediment Laboratory in Vancouver, Washington, and Iowa City, Iowa. Standard methods were used to collect, treat, and analyze the samples (L.R. Kister, hydrologist, USGS, written commun., 1983).

DATA TABLES

Data for the continuous-record stations are presented in tables 2 through 13 at the back of the report. Daily mean discharge for continuous-record stations on the main stem of the Colorado River were estimated for periods of no gage-height record. Discharge for tributary stations is presented for days with complete gage-height record; no attempt was made to estimate discharge for periods of no gage-height record. Physical-property and

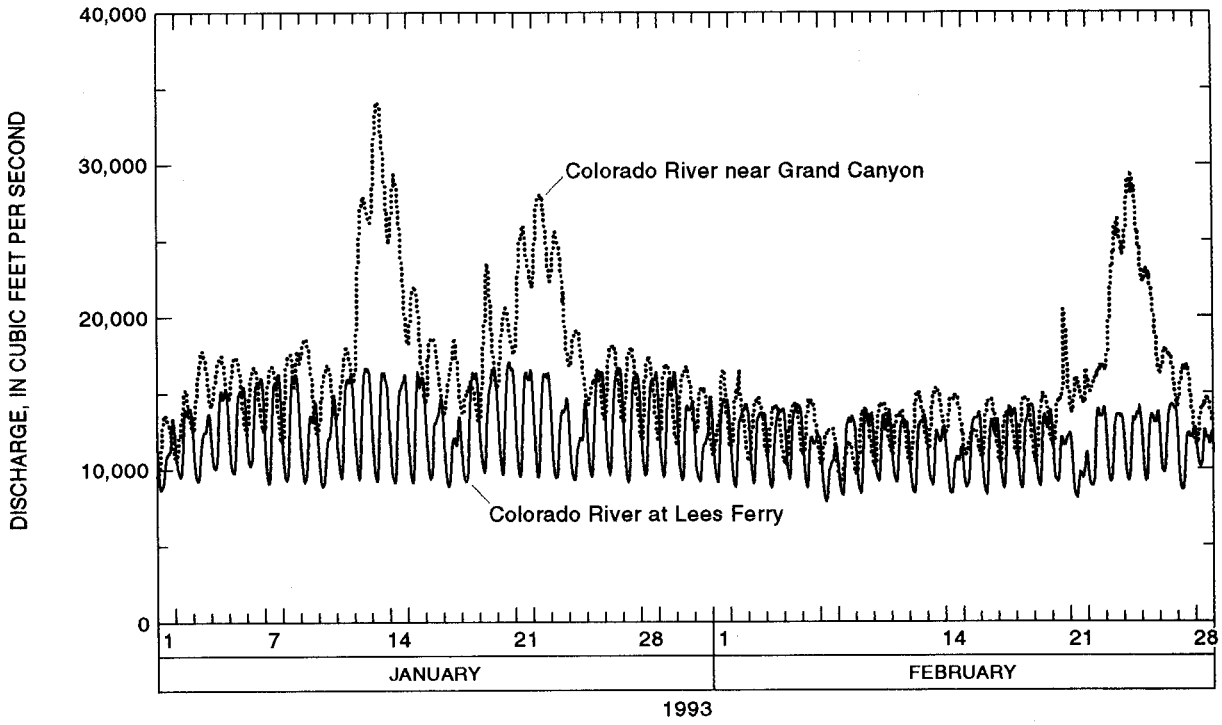

Figure 10. Discharge at streamflow-gaging stations, Colorado River at Lees Ferry (station number *09380000*) and Colorado River near Grand Canyon (station number *09402500*), January 1–February 28, 1993.

chemical data for water at continuous-record stations are presented for days with a complete record.

Data tables also are available in electronic form. The 15-minute unit-value data for gage height, discharge, and 60-minute data for physical properties and chemistry also are available in electronic form for continuous-record stations. Data files are maintained by the USGS District Office in Tucson, Arizona.

SUMMARY

The USGS collected hydrologic data at 12 continuous-record stations along the Colorado River and its major tributaries between Glen Canyon Dam and Diamond Creek. The data were collected from October 1989 through September 1995 as part of the GCES study of the BOR.

The Colorado River, which originates in Colorado, flows about 1,400 mi through parts of five western States to the Gulf of California. The Colorado River drains a large area of the arid West where water is an important resource. The management of this important resource has resulted in the placement of many controls on the river for power production and irrigation. Currently 13 reservoirs are on the Colorado River and its tributaries. The most recent reservoir, Lake Powell, was formed after the completion of Glen Canyon Dam in 1963.

In 1982, the BOR began Phase I of the GCES to determine the effects of dam operations on the downstream riverine environment. Phase II of the GCES program was initiated in 1989 to collect and analyze additional physical, chemical, and biological information. As of 1996, the USGS continues to monitor, collect, and evaluate hydrologic data from the Colorado River below Glen Canyon Dam.

REFERENCES CITED

Bureau of Reclamation, 1995, Operation of Glen Canyon Dam, Final Environmental Impact Statement: Bureau of Reclamation report, 337 p.

Table 1. Site information for continuous-record stations, Colorado River, Glen Canyon Dam to Diamond Creek, Arizona

[SRF, stage sensor, float; SRP, stage sensor, pressure transducer; WQR, physical and chemical constituent recorder; PS, pumping sampler; DVD, daily values, discharge; DVWQ, daily values, physical and chemical constituents; DVS, daily values, sediment; SWQ, samples, water chemistry]

Station number	Station name	River mile	Period of record	Drainage area, in square miles[1]	Instrumentation	Type of data
09379910	Colorado River below Glen Canyon Dam	-15.2	1990–93	111,700	SRF WQR	DVD DVWQ SWQ
09380000	Colorado River at Lees Ferry	0	1990–95	111,800	SRF WQR	DVD DVWQ SWQ
09382000	Paria River at Lees Ferry	1.0	1990–95	1,410	SRF PS	DVD DVS
09383100	Colorado River above Little Colorado River, near Desert View	61.1	1990–95	114,272	SRP WQR	DVD DVWQ SWQ
09402000	Little Colorado River near Cameron	([2])	1990–95	26,459	SRF PS	DVD DVS
09402300	Little Colorado River above the mouth, near Desert View	61.3	1990–93	26,946	SRP WQR	DVD DVWQ SWQ
09402500	Colorado River near Grand Canyon	87.5	1990–95	141,600	SRF WQR	DVD DVWQ SWQ
09403000	Bright Angel Creek near Grand Canyon	87.8	1991–93	101	SRP WQR SP	DVD DVWQ SWQ
09403850	Kanab Creek above the mouth, near Supai	143.5	1990–93	2,359	SRP WQR SP	DVD DVWQ SWQ
09404115	Havasu Creek above the mouth, near Supai	157.0	1991–95	3,020	SRP WQR PS	DVD DVWQ SWQ
09404120	Colorado River above National Canyon, near Supai	166.5	1990–93	147,931	SRP WQR PS	DVD DVWQ SWQ
09404200	Colorado River above Diamond Creek, near Peach Springs	225.0	1990–95	149,316	SRP WQR	DVD DVWQ SWQ

[1]Glen Canyon Dam impounds 111,700 square miles of the Colorado River drainage area.

[2]Streamflow-gaging station, Little Colorado River near Cameron, is 45 miles upstream from the mouth of the Little Colorado River.

Cooley, M.E., Akers, J.P., and Stevens, P.R., 1964, Selected lithologic logs, drillers' logs, and stratigraphic sections, pt. 3 *of* Geohydrologic data in the Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah: Arizona State Land Department Water Resources Report 12–C, 157 p.

Garrett, W.B., Van De Vanter, E.K., and Graf, J.B., 1993, Streamflow and sediment-transport data, Colorado River and three tributaries in Grand Canyon, Arizona, 1983 and 1985–86: U.S. Geological Survey Open-File Report 93–174, 624 p.

Howard, A.D., and Dolan, Robert, 1981, Geomorphology of the Colorado River in the Grand Canyon: Journal of Geology, v. 89, no. 3, p. 269–298.

Smith, C.F., Anning, D.W., Duet, N.R., Fisk, G.G., McCormack, H.F., Pope, G.L., Rigas, P.D., and Wallace, B.L., 1995, Water-resources data for Arizona, water year 1994: U.S. Geological Survey Water-Data Report AZ–94–1, 320 p.

Webb, R.H., Pringle, P.T., and Rink, G.R., 1987, Debris flows from tributaries of the Colorado River, Grand Canyon National Park, Arizona: U.S. Geological Survey Professional Paper 1492, 39 p.

Wilson, R.P., 1986, Sonar patterns of Colorado riverbed, Grand Canyon: Fourth Federal Interagency Sedimentation Conference Proceedings, v. 2, Las Vegas, Nevada, March 24–27, 1986, p. 5–133 to 5–142.

TABLES 2–13

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93

STATION DESCRIPTION

LOCATION—Lat 36°55'18", long 111°28'58", in NW1/4, SE1/4, sec. 25, T.41 N., R.8 E., Coconino County, Hydrologic Unit 14070006, on left bank, 4,500 ft downstream from Glen Canyon Dam, 2 mi west of Page, 13 mi downstream from Utah-Arizona State line, and 14.5 mi upstream from Lees Ferry.

DRAINAGE AREA—Approximately 111,700 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—October 1989 to March 1993 (discontinued).

GAGE—Water-stage recorder. Datum of gage is 3,100 ft above sea level.

REMARKS—Records good. Flow completely regulated since March 13, 1963, by Lake Powell 4,500 ft upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial use. No diversions or inflow between Lake Powell and the gage.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 30,600 ft^3/s, June 17, 1991, gage height, 38.29 ft; minimum daily discharge, 2,570 ft^3/s, October 29, 1989.

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4670	11900	9910	7760	9520	13900	5190	9270	5270	5090	16300	13500
2	10700	13500	6140	11400	11500	12700	9540	10500	5270	14800	15800	7160
3	9700	11700	3700	15600	7800	9160	9720	8580	5280	14800	16400	8640
4	7440	6380	6230	15000	6920	8350	10000	9880	5310	14700	13000	13600
5	10600	4550	7810	11200	9320	15000	10100	8580	14200	18100	11800	14400
6	5220	10900	8820	14300	9530	16000	8610	10100	13000	14900	15700	16500
7	5170	11400	10700	8540	9800	11600	5860	15000	14900	14700	17400	18300
8	5180	11700	11700	12900	11400	10800	4980	12500	14700	14700	17800	15100
9	5180	10800	8700	11000	11200	9840	9530	10600	9160	14700	17800	11900
10	9930	8690	7440	12500	5450	5260	11600	13200	9790	14700	18000	14800
11	11300	6330	15100	10600	4610	4140	15000	11700	14200	14800	14400	11800
12	13600	5780	14400	12100	7760	9190	14800	9880	14200	15100	10400	12100
13	14100	14000	14600	8590	8540	10300	10600	6530	15300	5610	16100	13300
14	7850	12800	14300	6530	15400	12300	7860	12200	14300	5020	16300	5160
15	3840	11700	14300	11000	15000	10900	7380	11900	14900	5080	15600	5160
16	14900	11000	10900	13900	13200	9880	12600	12600	10100	15200	17700	5120
17	16400	13000	7140	12400	9520	7480	14000	13200	10500	15200	17100	14500
18	14800	7320	12800	15200	8050	3200	10200	10400	17500	15200	13400	14500
19	10400	6900	12100	13700	10000	11000	10900	5590	17800	15200	9910	14500
20	11000	10200	11900	12000	13200	11200	10400	4300	14500	15200	16600	14300
21	7020	10900	14600	6310	12900	8920	8060	8980	17500	15200	18000	14500
22	6860	9190	13800	13600	10700	12200	5450	10700	17300	14700	17400	14400
23	10600	4200	8470	11800	11100	16200	8640	13900	17800	15000	19100	14400
24	11400	7540	6070	11400	9490	6050	9530	14000	14100	15200	17500	14500
25	10200	7020	4700	7960	6910	4000	10900	11500	13200	15200	14700	14400
26	10800	5170	8520	8510	13300	7880	9880	8360	20300	15000	8510	14400
27	9620	12300	10300	8920	17000	9360	10200	5980	16700	5080	16400	14500
28	5310	13000	12900	6110	17600	12400	10200	8200	15900	5050	17100	5130
29	2570	12500	12300	9600	---	14100	9390	10100	5340	5020	17700	5130
30	6490	10700	12100	11100	---	14200	10800	10900	5000	15800	15800	5100
31	8310	---	6770	8180	---	9430	---	10700	---	18500	15600	---
TOTAL	281160	293070	319220	339710	296720	316940	291920	319830	383320	402550	485320	360800
MEAN	9070	9769	10300	10960	10600	10220	9731	10320	12780	12990	15660	12030
MAX	16400	14000	15100	15600	17600	16200	15000	15000	20300	18500	19100	18300
MIN	2570	4200	3700	6110	4610	3200	4980	4300	5000	5020	8510	5100
ACRE-FT	557700	581300	633200	673800	588500	628700	579000	634400	760300	798500	962600	715600

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1990	4090560	11210	20300	2570	8114000

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8430	8690	8010	14200	10100	10500	10700	8960	4890	18400	14400	9340
2	8370	6190	5990	14100	10200	8440	12300	9020	5040	18500	14400	9740
3	8340	6860	11200	14100	10100	4720	10100	5000	12700	18500	14400	14400
4	8380	2760	10400	14100	10200	10300	10600	5030	9490	18500	14100	14600
5	8360	8050	9660	14200	10200	9810	8080	5320	12700	18500	14600	14500
6	8410	7290	11000	14100	10100	9950	9710	14600	12300	18500	14500	14500
7	8400	8330	10800	14100	10200	10300	6860	15000	15600	18500	14600	13200
8	8410	10100	8280	14100	5060	8830	9420	14900	11500	18500	14900	9100
9	8410	5070	6570	14200	5050	7950	10700	15000	10300	18500	14600	14400
10	8380	5090	11500	14200	5080	3670	11000	14900	17000	18500	14000	14400
11	8440	5090	11100	5110	11200	11300	13400	14900	16800	18500	14100	14100
12	5130	7850	11600	5000	13100	11700	12200	14900	17300	5260	14600	14300
13	5140	9910	11300	5040	11800	9910	9620	14900	16500	5250	15000	14300
14	4230	9620	4990	11000	11900	12600	6900	15000	17300	5320	14900	13200
15	7980	10400	4980	10700	12600	11400	10700	14900	10800	17300	14900	9190
16	7970	11000	4980	10800	12100	9720	8240	15000	12400	17300	14900	14600
17	8000	8140	10400	11300	10500	6050	9500	4940	20300	17300	14500	14400
18	8000	4730	10600	13000	14900	11800	9790	4970	19300	17300	12400	14100
19	7990	11700	10600	8390	16000	10700	5020	5170	19400	17300	15000	14200
20	7950	10300	10700	8350	14900	11200	5030	14600	18800	17200	15000	14500
21	7990	12400	10600	10900	13100	11700	5050	14600	17200	17300	15100	13700
22	8000	7900	10700	11300	13500	11300	8960	14500	14300	17300	15000	9920
23	8020	8380	10700	14300	11700	10700	10300	14600	8200	17300	14900	14900
24	8010	7280	10700	15300	7320	6050	8300	14600	15300	17300	14700	15100
25	7940	6150	10700	5140	12100	13200	11400	14600	17500	17200	10400	15000
26	5180	10100	10700	5000	9060	13300	7700	14700	17400	5250	15100	14800
27	5150	11100	10700	5020	6550	11400	5350	14700	17200	5260	15000	15000
28	5160	9110	5140	10100	8030	10000	4070	14700	5130	5280	14900	14400
29	6260	8850	4990	10200	---	6910	10300	14700	5140	15900	15000	9860
30	7640	7580	4990	10200	---	4800	12800	14500	5210	18400	14900	12800
31	5590	---	14100	10200	---	4480	---	5070	---	18200	14500	---
TOTAL	229660	246020	288680	337750	296650	294690	274100	378280	403000	477620	449300	400550
MEAN	7408	8201	9312	10900	10590	9506	9137	12200	13430	15410	14490	13350
MAX	8440	12400	14100	15300	16000	13300	13400	15000	20300	18500	15100	15100
MIN	4230	2760	4980	5000	5050	3670	4070	4940	4890	5250	10400	9100
ACRE-FT	455500	488000	572600	669900	588400	584500	543700	750300	799400	947400	891200	794500

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	3961470	10850	20300	2760	7858000
WY 1991	4076300	11170	20300	2760	8085000

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9280	10100	9680	9790	10500	8720	9790	10400	10100	14800	14800	12800
2	9420	9720	11800	13300	8780	9800	9900	9380	11700	14900	11500	13000
3	9280	8690	11700	13300	11700	9990	9710	8390	11800	11600	15300	12500
4	9450	10400	11700	11800	11500	9750	9650	10800	11700	10700	15000	12600
5	7270	10400	11700	9730	11600	9540	7850	10700	11600	10900	14900	10500
6	7830	10200	11700	13200	11600	9540	9950	10600	10900	15000	14900	9080
7	9600	10300	10900	13300	11600	9380	9950	10600	8720	14900	14800	10300
8	9410	10300	9690	13200	10500	8690	9980	10600	11300	15100	14300	12900
9	9490	9290	11600	13300	8900	10200	10200	9640	10900	15200	11100	13000
10	9490	8560	11600	13300	11500	10000	10200	8770	11700	14900	15100	13300
11	9280	10200	11700	12500	11500	9720	9880	10300	11800	14800	15000	13200
12	7650	10400	11700	10400	11600	10100	7810	10600	11700	12800	15000	11300
13	7980	10400	11700	13200	11900	9880	10100	10800	10300	14800	15100	9630
14	9320	10400	10900	13200	11600	9330	9970	10600	8470	14300	15200	12600
15	9310	10600	9500	13300	10600	8570	9970	10400	11600	14700	14800	12500
16	9200	9620	11700	13300	8880	10200	9840	9670	11500	14500	12200	12800
17	10400	8610	11500	13300	11600	10200	9920	8710	11200	15000	15200	12700
18	9080	10700	11700	12600	11600	10200	8850	10500	11500	13900	15200	12200
19	8080	10400	11600	10500	11400	10000	7720	10400	11500	10500	14800	11100
20	8050	10300	11700	13700	11400	10100	10200	10100	10500	14700	14900	9760
21	9130	10400	10900	13800	11500	9250	10300	10100	8400	14700	14000	12200
22	9520	10400	9640	13800	10500	8530	10100	10200	12000	14700	13500	12600
23	9080	9540	11600	14200	8800	9820	10400	9210	12300	14900	10900	12500
24	9130	8850	11700	13300	11400	9700	10100	8360	12000	14400	13200	12600
25	8940	10400	9470	12700	11400	9840	8170	8320	12200	13100	12500	12300
26	9050	10400	11600	10500	11500	9510	6870	9840	12000	10100	13100	10500
27	7810	10400	11600	13000	10600	9410	9430	9730	12400	14200	13100	9570
28	8980	8800	11000	12800	10400	8930	9240	9270	10700	14300	13000	12100
29	8970	10400	9600	12500	9520	7990	9250	9210	13300	14800	13400	11300
30	9750	9550	11600	12200	---	8940	9570	7270	13600	14600	11100	11500
31	9220	---	11600	11500	---	8080	---	6710	---	14500	13000	---
TOTAL	278450	298730	346080	390520	315880	293910	284870	300180	339390	432300	429900	354940
MEAN	8982	9958	11160	12600	10890	9481	9496	9683	11310	13950	13870	11830
MAX	10400	10700	11800	14200	11900	10200	10400	10800	13600	15200	15300	13300
MIN	7270	8560	9470	9730	8780	7990	6870	6710	8400	10100	10900	9080
ACRE-FT	552300	592500	686400	774600	626500	583000	565000	595400	673200	857500	852700	704000

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4235200	11600	20300	3670	8401000
WY 1992	4065150	11110	15300	6710	8063000

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9320	8860	11500	10700	12200	10000	---	---	---	---	---	---
2	9250	10500	11600	12100	12200	9740	---	---	---	---	---	---
3	8220	10300	11400	11500	11900	10000	---	---	---	---	---	---
4	7760	9920	11900	13000	12000	9990	---	---	---	---	---	---
5	9370	10200	11000	12900	12300	9760	---	---	---	---	---	---
6	9480	10100	10700	13500	11000	9750	---	---	---	---	---	---
7	8720	9910	11600	13000	9660	8660	---	---	---	---	---	---
8	9700	8480	11500	13100	11400	9960	---	---	---	---	---	---
9	9180	10500	11600	11800	11600	10100	---	---	---	---	---	---
10	8060	10300	11800	11600	11700	9990	---	---	---	---	---	---
11	8090	10200	11600	13300	11400	10300	---	---	---	---	---	---
12	8380	10700	11000	13500	11300	10200	---	---	---	---	---	---
13	9650	10600	10200	13000	11200	9950	---	---	---	---	---	---
14	9640	10000	11800	13000	9850	9360	---	---	---	---	---	---
15	9710	8830	12100	13300	11700	10400	---	---	---	---	---	---
16	9150	10500	12100	12000	11300	11200	---	---	---	---	---	---
17	7870	10300	11500	10900	11900	10900	---	---	---	---	---	---
18	7780	10300	11300	13100	11900	e10800	---	---	---	---	---	---
19	9440	10600	10700	13700	11700	e10200	---	---	---	---	---	---
20	9540	10700	9890	13900	11100	e10000	---	---	---	---	---	---
21	9470	9810	11500	13700	9310	e8610	---	---	---	---	---	---
22	9700	8720	11100	13500	12000	e10200	---	---	---	---	---	---
23	9680	10700	10900	12100	11800	e9940	---	---	---	---	---	---
24	8030	10600	10600	11400	12000	e9580	---	---	---	---	---	---
25	7890	10700	10200	13600	12000	e9780	---	---	---	---	---	---
26	9160	9030	10700	13600	12400	e9700	---	---	---	---	---	---
27	8430	10600	10000	13000	11100	e9050	---	---	---	---	---	---
28	8760	10100	11100	13400	11200	e8120	---	---	---	---	---	---
29	8810	9220	11000	13400	---	e9200	---	---	---	---	---	---
30	9550	10600	11100	12000	---	e9470	---	---	---	---	---	---
31	8680	---	11000	11400	---	e9500	---	---	---	---	---	---
TOTAL	276470	301880	345990	394000	321120	304410	---	---	---	---	---	---
MEAN	8918	10060	11160	12710	11470	9820	---	---	---	---	---	---
MAX	9710	10700	12100	13900	12400	11200	---	---	---	---	---	---
MIN	7760	8480	9890	10700	9310	8120	---	---	---	---	---	---
ACRE-FT	548400	598800	686300	781500	636900	603800	---	---	---	---	---	---

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4066230	11110	15300	6710	8065000

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD— October 1989, November 1990, and June 1990 to March 1993.
PERIOD OF DAILY RECORD—
WATER TEMPERATURE: June 1990 to March 1993.
SPECIFIC CONDUCTANCE: June 1990 to March 1993.
pH: June 1990 to March 1993.
DISSOLVED-OXYGEN CONCENTRATION: June 1990 to March 1993.

INSTRUMENTATION—Water temperature, specific conductance, pH, dissolved-oxygen concentration recorded from June 1990 to March 1993.

REMARKS—Extreme values for the period of record include only those obtained after a normal flow-release pattern from Glen Canyon Dam was begun after July 31, 1965.
WATER TEMPERATURE: Record good and within 0.5°C.
SPECIFIC CONDUCTANCE: Record good and within 5 percent.
pH: Record good and within 0.2 units, except for December 2, 1992, to January 10, 1993, which is fair and within 0.4 units.
DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L, except for December 12, 1990, to March 22, 1991, January 15, 1992, to February 12, 1992, and July 15, 1992, to August 19, 1992, which is fair and within 1.0 mg/L.
EXTREMES FOR PERIOD OF RECORD—
WATER TEMPERATURE: Maximum, 11.5°C, December 2, 1991; minimum, 6.6°C, February 21, 1993.
SPECIFIC CONDUCTANCE: Maximum, 1,040 microsiemens per centimeter at 25°C (μS/cm), April 10, 29–30, 1991; minimum, 798 μS/cm, January 3, 1992.
pH: Maximum, 8.6 units, March 30–31, 1991; minimum, 7.6 units, August 7, 1991, and on several days in 1992.
DISSOLVED-OXYGEN CONCENTRATION: Maximum, 10.7 mg/L, July 12–14, 1991; minimum, 5.8 mg/L, September 18, 1991.

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	9.0	8.0	8.4	---	---	---	8.4	8.0	8.2
2	---	---	---	8.1	7.7	7.9	---	---	---	8.4	8.1	8.3
3	---	---	---	8.2	7.8	8.0	8.2	7.9	8.1	---	---	---
4	---	---	---	8.1	7.8	7.9	---	---	---	---	---	---
5	---	---	---	8.0	7.8	7.9	8.1	8.0	8.0	---	---	---
6	---	---	---	8.0	7.9	8.0	8.2	8.0	8.1	---	---	---
7	---	---	---	8.2	7.6	7.9	8.2	8.0	8.1	---	---	---
8	---	---	---	8.0	7.8	7.9	8.2	8.0	8.1	8.5	8.2	8.3
9	---	---	---	8.0	7.8	7.9	8.2	8.0	8.1	8.5	8.2	8.3
10	---	---	---	8.0	7.7	7.9	8.2	7.9	8.1	8.4	8.1	8.3
11	---	---	---	8.1	7.9	8.0	8.2	8.0	8.1	---	---	---
12	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1	---	---	---
13	---	---	---	8.8	8.1	8.3	8.2	7.9	8.0	---	---	---
14	---	---	---	8.8	8.1	8.3	8.3	8.0	8.1	9.0	8.2	8.5
15	---	---	---	8.8	7.9	8.2	8.3	8.0	8.2	9.0	8.2	8.5
16	---	---	---	8.0	7.8	8.0	8.2	8.0	8.1	---	---	---
17	---	---	---	8.2	7.9	8.0	8.1	8.0	8.0	---	---	---
18	---	---	---	8.1	7.8	8.0	8.2	8.0	8.1	---	---	---
19	---	---	---	8.0	7.8	8.0	8.2	8.0	8.1	---	---	---
20	---	---	---	8.2	8.0	8.0	8.1	7.9	8.0	---	---	---
21	---	---	---	8.2	7.9	8.0	8.2	8.0	8.0	---	---	---
22	---	---	---	8.2	7.8	8.1	8.2	8.0	8.1	---	---	---
23	---	---	---	8.1	7.8	8.0	8.3	8.0	8.2	---	---	---
24	---	---	---	8.2	7.9	8.1	8.2	7.9	8.0	---	---	---
25	---	---	---	8.2	7.8	8.1	8.2	8.0	8.1	---	---	---
26	---	---	---	8.2	7.8	8.0	8.5	8.0	8.2	---	---	---
27	8.0	7.8	7.9	9.0	8.0	8.3	8.3	8.0	8.2	---	---	---
28	8.1	7.8	7.9	9.0	8.1	8.4	---	---	---	8.8	8.2	8.5
29	8.9	7.9	8.2	9.0	8.0	8.3	8.4	8.0	8.2	9.2	8.4	8.6
30	8.9	8.0	8.3	8.7	7.9	8.1	---	---	---	8.8	8.4	8.6
31	---	---	---	---	---	---	8.2	8.0	8.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
2	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
3	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	9.2	8.6	8.7	---	---	---	---	---	---
10	---	---	---	9.0	8.4	8.6	---	---	---	---	---	---
11	---	---	---	8.8	8.4	8.5	---	---	---	---	---	---
12	9.0	8.4	8.5	---	---	---	---	---	---	---	---	---
13	9.0	8.4	8.5	---	---	---	---	---	---	7.7	7.5	7.6
14	---	---	---	---	---	---	8.8	8.2	8.5	---	---	---
15	8.6	8.2	8.3	---	---	---	---	---	---	---	---	---
16	8.4	8.2	8.2	---	---	---	8.8	8.4	8.6	---	---	---
17	8.4	8.0	8.2	---	---	---	8.8	8.4	8.6	---	---	---
18	8.4	8.2	8.2	---	---	---	---	---	---	---	---	---
19	8.6	8.4	8.5	---	---	---	---	---	---	---	---	---
20	8.6	8.2	8.4	---	---	---	---	---	---	---	---	---
21	8.4	8.2	8.3	---	---	---	8.2	8.0	8.0	---	---	---
22	8.8	8.4	8.5	8.4	8.2	8.3	8.2	7.8	8.1	---	---	---
23	8.8	8.4	8.6	---	---	---	8.4	7.8	8.1	---	---	---
24	8.8	8.4	8.5	---	---	---	8.4	8.2	8.4	---	---	---
25	8.6	8.4	8.4	---	---	---	8.6	8.4	8.5	---	---	---
26	9.0	8.4	8.5	---	---	---	8.6	8.6	8.6	---	---	---
27	9.0	8.4	8.5	---	---	---	8.6	8.6	8.6	---	---	---
28	8.8	8.2	8.4	---	---	---	8.8	8.4	8.5	---	---	---
29	---	---	---	---	---	---	8.6	8.2	8.4	---	---	---
30	---	---	---	---	---	---	8.4	8.0	8.2	---	---	---
31	---	---	---	---	---	---	8.2	8.0	8.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	7.6	7.4	7.5	7.7	7.4	7.6
2	---	---	---	---	---	---	7.7	7.4	7.5	7.7	7.4	7.5
3	---	---	---	---	---	---	7.6	7.4	7.5	8.3	7.5	7.8
4	---	---	---	---	---	---	7.7	7.4	7.5	8.4	7.6	7.9
5	---	---	---	---	---	---	7.7	7.5	7.5	8.3	7.5	7.7
6	---	---	---	---	---	---	7.6	7.5	7.5	---	---	---
7	---	---	---	---	---	---	7.9	7.4	7.6	---	---	---
8	7.5	7.1	7.2	---	---	---	7.8	7.4	7.5	---	---	---
9	7.5	7.1	7.2	---	---	---	7.6	7.4	7.5	---	---	---
10	7.5	7.1	7.2	---	---	---	7.6	7.3	7.4	---	---	---
11	---	---	---	---	---	---	7.6	7.4	7.5	---	---	---
12	7.3	7.1	7.2	---	---	---	7.5	7.4	7.4	---	---	---
13	---	---	---	---	---	---	7.8	7.4	7.5	---	---	---
14	---	---	---	---	---	---	7.9	7.5	7.6	---	---	---
15	---	---	---	---	---	---	7.6	7.4	7.5	---	---	---
16	---	---	---	---	---	---	7.8	7.5	7.6	---	---	---
17	---	---	---	---	---	---	7.7	7.4	7.5	8.5	7.5	7.9
18	7.5	7.3	7.4	---	---	---	7.7	7.5	7.6	8.7	7.6	7.9
19	7.5	7.3	7.4	---	---	---	8.2	7.5	7.7	8.6	7.4	7.8
20	7.5	7.5	7.5	---	---	---	8.4	7.5	7.7	7.6	7.4	7.5
21	---	---	---	---	---	---	8.4	7.5	7.7	7.7	7.4	7.5
22	---	---	---	---	---	---	7.7	7.4	7.5	7.7	7.5	7.6
23	---	---	---	---	---	---	7.6	7.4	7.5	7.7	7.5	7.6
24	---	---	---	---	---	---	7.7	7.4	7.5	7.7	7.4	7.6
25	---	---	---	---	---	---	7.7	7.4	7.5	7.9	7.6	7.7
26	---	---	---	7.5	7.3	7.4	7.9	7.4	7.6	7.8	7.6	7.7
27	---	---	---	---	---	---	7.9	7.4	7.6	7.8	7.5	7.6
28	---	---	---	---	---	---	8.8	7.4	7.8	7.7	7.5	7.6
29	---	---	---	---	---	---	7.5	7.3	7.4	7.7	7.5	7.5
30	---	---	---	8.6	7.4	7.7	7.6	7.3	7.4	7.8	7.5	7.6
31	---	---	---	8.5	7.5	7.7	---	---	---	8.3	7.6	7.9
MONTH	---	---	---	---	---	---	8.8	7.3	7.5	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.5	7.7	8.4	7.9	8.2	8.7	8.2	8.5	9.2	8.8	9.0
2	8.4	7.5	7.9	8.6	8.2	8.4	8.9	8.2	8.6	9.3	8.9	9.1
3	8.0	7.7	7.9	8.4	8.3	8.3	8.7	8.1	8.4	8.9	8.6	8.8
4	7.9	7.7	7.8	8.4	8.2	8.3	8.8	8.2	8.5	9.1	8.6	8.8
5	8.0	7.7	7.8	8.5	8.2	8.4	8.5	8.2	8.4	9.3	8.9	9.1
6	8.0	7.7	7.8	8.5	8.2	8.3	8.9	8.3	8.5	9.8	9.0	9.2
7	7.9	7.6	7.8	8.4	7.9	8.2	9.1	8.5	8.8	9.2	8.9	9.0
8	8.1	7.7	7.9	8.6	8.0	8.3	8.9	8.6	8.8	9.1	8.7	8.9
9	8.2	7.9	8.0	8.5	8.0	8.3	8.8	8.4	8.6	9.1	8.8	9.0
10	8.1	7.7	7.8	8.6	8.3	8.5	8.8	8.4	8.6	9.2	8.8	9.0
11	8.0	7.7	7.8	8.7	8.2	8.4	8.7	8.3	8.5	9.1	8.6	8.8
12	8.2	7.8	8.0	9.5	8.7	8.9	8.7	8.4	8.6	9.3	8.7	9.1
13	8.2	7.7	7.9	9.2	8.3	8.7	8.7	8.4	8.5	9.3	8.8	9.0
14	8.1	7.7	7.9	9.5	8.4	8.8	8.7	8.4	8.5	9.2	8.9	9.0
15	8.1	7.7	7.9	8.7	8.2	8.5	8.6	8.3	8.5	9.2	8.8	9.0
16	8.2	7.7	8.0	8.5	8.2	8.3	8.8	8.4	8.6	9.6	9.0	9.3
17	8.0	7.7	7.9	8.6	8.4	8.5	8.9	8.5	8.7	9.6	9.2	9.4
18	8.0	7.8	7.9	8.4	8.2	8.3	8.7	8.6	8.6	9.6	9.1	9.3
19	8.1	7.9	8.0	8.5	8.3	8.4	8.7	8.5	8.6	9.4	9.0	9.2
20	8.0	7.8	7.9	8.4	8.2	8.3	8.7	8.4	8.6	9.7	9.3	9.5
21	8.0	7.9	7.9	8.7	8.3	8.6	8.7	8.5	8.6	9.6	9.4	9.5
22	8.3	8.1	8.2	8.6	8.4	8.5	8.9	8.6	8.7	9.5	9.1	9.3
23	8.5	7.9	8.2	8.6	8.3	8.4	9.0	8.6	8.8	9.3	9.0	9.1
24	8.2	7.9	8.1	9.0	8.2	8.5	9.1	8.9	9.0	9.5	9.0	9.3
25	8.2	7.9	8.0	9.0	8.3	8.5	9.1	8.5	8.8	9.6	9.4	9.5
26	8.1	7.7	7.9	10.0	8.4	9.1	9.1	8.4	8.7	9.7	9.5	9.6
27	8.3	7.8	8.0	9.1	8.4	8.6	9.1	8.5	8.7	9.5	9.3	9.4
28	8.9	8.0	8.5	9.5	8.5	8.9	9.1	8.4	8.8	9.5	9.2	9.4
29	9.2	8.0	8.5	8.7	8.2	8.4	8.8	8.7	8.8	9.5	9.1	9.3
30	8.9	7.9	8.3	9.2	8.2	8.7	8.9	8.7	8.8	9.7	9.2	9.4
31	---	---	---	8.8	8.2	8.5	9.2	8.7	8.9	---	---	---
MONTH	9.2	7.5	8.0	10.0	7.9	8.5	9.2	8.1	8.6	9.8	8.6	9.2

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.8	9.3	9.5	10.4	10.0	10.3	11.3	11.1	11.2	10.2	10.1	10.1
2	9.8	9.5	9.6	10.3	10.0	10.1	11.5	11.2	11.3	10.1	9.9	10.0
3	9.7	9.4	9.5	10.7	10.1	10.5	11.2	10.6	11.0	9.9	9.8	9.9
4	9.6	9.3	9.4	10.8	10.4	10.6	10.6	10.2	10.4	9.8	9.7	9.8
5	10.0	9.5	9.6	10.7	10.2	10.5	10.7	10.3	10.5	9.7	9.6	9.6
6	10.1	9.6	9.8	10.4	10.2	10.3	11.2	10.6	11.0	9.7	9.5	9.6
7	9.9	9.7	9.8	10.3	10.1	10.2	11.3	11.0	11.1	9.5	9.2	9.3
8	9.9	9.6	9.8	10.3	10.0	10.1	11.0	10.7	10.9	9.3	9.1	9.2
9	9.8	9.6	9.7	10.3	10.0	10.2	10.7	10.5	10.6	9.3	9.0	9.2
10	9.7	9.5	9.6	10.4	10.1	10.3	10.8	10.5	10.6	9.1	8.8	8.9
11	9.9	9.6	9.8	10.1	9.9	10.0	10.9	10.7	10.8	9.1	8.9	9.0
12	10.1	9.8	9.9	10.3	9.9	10.1	11.0	10.8	10.9	9.1	8.9	9.0
13	9.9	9.6	9.7	10.3	10.0	10.2	10.9	10.7	10.8	9.0	8.9	8.9
14	9.7	9.5	9.6	10.3	10.0	10.2	10.7	10.2	10.5	8.9	8.8	8.9
15	9.7	9.4	9.6	10.3	10.0	10.1	10.5	10.2	10.3	8.8	8.7	8.8
16	9.9	9.6	9.7	10.0	9.7	9.8	10.9	10.5	10.7	8.8	8.6	8.7
17	9.8	9.6	9.7	9.9	9.5	9.7	11.2	10.9	11.1	8.7	8.5	8.5
18	9.8	9.5	9.7	9.7	9.3	9.6	11.3	11.0	11.2	8.6	8.5	8.6
19	9.8	9.5	9.6	9.3	9.0	9.1	11.2	10.8	10.9	8.7	8.5	8.5
20	9.8	9.5	9.6	9.5	9.1	9.3	10.9	10.6	10.7	8.5	8.4	8.5
21	10.1	9.7	9.9	10.1	9.5	9.9	10.6	10.4	10.5	8.5	8.4	8.5
22	10.1	9.7	9.9	10.1	9.8	10.0	10.6	10.4	10.5	8.5	8.4	8.4
23	9.8	9.4	9.6	10.3	9.7	10.0	10.8	10.5	10.6	8.4	8.3	8.4
24	9.6	9.3	9.4	10.3	9.7	10.1	10.8	10.5	10.7	8.3	8.2	8.3
25	9.9	9.6	9.7	10.5	10.2	10.3	10.6	10.5	10.5	8.2	8.1	8.1
26	9.9	9.5	9.7	10.5	10.3	10.4	10.6	10.5	10.6	8.2	8.0	8.1
27	9.7	9.1	9.4	10.7	10.4	10.5	10.6	10.4	10.5	8.1	8.0	8.1
28	9.8	8.8	9.3	10.4	9.9	10.1	10.4	10.3	10.4	8.1	8.0	8.1
29	10.1	8.9	9.3	10.2	9.4	9.8	10.4	10.3	10.4	8.1	8.0	8.1
30	10.4	9.7	10.1	11.1	9.8	10.2	10.4	10.3	10.3	8.1	8.0	8.0
31	10.2	9.9	10.0	---	---	---	10.3	10.2	10.2	8.0	7.9	8.0
MONTH	10.4	8.8	9.7	11.1	9.0	10.1	11.5	10.2	10.7	10.2	7.9	8.8

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.9	7.9	7.5	7.4	7.4	7.4	7.1	7.2	7.5	7.2	7.4
2	8.0	7.8	7.9	7.5	7.4	7.4	7.5	7.1	7.3	7.8	7.2	7.4
3	7.9	7.8	7.8	7.6	7.4	7.5	7.5	7.2	7.3	7.8	7.2	7.4
4	8.0	7.9	7.9	7.6	7.3	7.5	7.6	7.2	7.3	7.7	7.4	7.5
5	8.0	7.8	7.9	7.7	7.2	7.4	7.6	7.2	7.3	7.6	7.2	7.5
6	7.9	7.8	7.8	7.5	7.2	7.3	7.5	7.2	7.3	7.7	7.3	7.5
7	7.9	7.8	7.8	7.4	7.2	7.3	7.4	7.0	7.2	7.7	7.3	7.5
8	7.8	7.7	7.8	7.3	7.1	7.2	7.3	7.1	7.2	7.6	7.4	7.5
9	7.8	7.8	7.8	7.4	7.2	7.3	7.6	7.2	7.3	7.7	7.2	7.5
10	7.8	7.8	7.8	7.6	7.3	7.4	7.6	7.2	7.3	8.0	7.1	7.4
11	7.9	7.8	7.8	7.4	7.2	7.3	7.4	7.1	7.2	7.6	7.1	7.4
12	7.9	7.7	7.7	7.5	7.2	7.3	7.6	7.2	7.3	7.8	7.4	7.5
13	7.7	7.6	7.7	7.5	7.2	7.3	7.4	7.3	7.3	7.8	7.3	7.5
14	7.7	7.6	7.6	7.5	7.2	7.3	7.4	7.2	7.3	7.6	7.3	7.5
15	7.7	7.5	7.6	7.5	7.2	7.3	7.4	7.2	7.3	7.6	7.3	7.4
16	7.6	7.2	7.5	7.4	7.1	7.2	7.6	7.1	7.3	7.7	7.3	7.4
17	7.4	7.0	7.2	7.3	7.0	7.1	7.5	7.2	7.3	7.9	7.3	7.5
18	7.5	7.1	7.3	7.4	7.0	7.1	7.7	7.2	7.4	7.6	7.4	7.5
19	7.5	7.4	7.4	7.3	7.0	7.1	7.6	7.1	7.2	7.7	7.3	7.5
20	7.5	7.4	7.4	7.3	6.9	7.1	7.5	7.2	7.3	7.7	7.2	7.4
21	7.7	7.4	7.5	7.5	7.1	7.3	7.5	7.3	7.4	7.7	7.2	7.5
22	7.6	7.4	7.5	7.5	7.3	7.4	7.6	7.2	7.4	7.7	7.4	7.5
23	7.7	7.4	7.5	7.3	6.9	7.1	7.4	7.2	7.3	7.7	7.4	7.5
24	7.8	7.5	7.6	7.4	7.0	7.2	7.6	7.2	7.4	7.7	7.4	7.5
25	7.7	7.5	7.6	7.3	7.0	7.2	7.8	7.4	7.6	7.8	7.5	7.7
26	7.6	7.4	7.5	7.4	7.1	7.2	7.9	7.4	7.6	7.8	7.5	7.6
27	7.7	7.4	7.5	7.3	7.2	7.2	7.7	7.4	7.5	7.7	7.2	7.4
28	7.6	7.4	7.4	7.3	7.1	7.2	7.8	7.4	7.5	7.7	7.3	7.4
29	7.5	7.4	7.4	7.6	7.1	7.3	7.7	7.3	7.5	7.7	7.4	7.5
30	---	---	---	7.4	7.2	7.3	7.6	7.3	7.4	7.9	7.4	7.6
31	---	---	---	7.4	7.1	7.2	---	---	---	8.0	7.5	7.7
MONTH	8.0	7.0	7.6	7.7	6.9	7.3	7.9	7.0	7.3	8.0	7.1	7.5

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.7	7.4	7.6	7.9	7.5	7.7	8.2	8.0	8.1	8.5	8.2	8.4
2	7.8	7.5	7.6	8.0	7.3	7.6	8.1	8.0	8.0	8.6	8.4	8.5
3	7.7	7.5	7.6	8.2	8.0	8.1	8.2	8.0	8.0	8.4	8.2	8.2
4	7.8	7.5	7.7	8.2	8.0	8.1	8.3	7.8	8.0	8.5	8.1	8.3
5	7.9	7.5	7.7	8.2	8.0	8.1	8.3	8.0	8.1	8.6	7.9	8.3
6	8.0	7.5	7.7	8.1	7.7	7.9	8.6	7.8	8.1	8.8	8.5	8.7
7	8.0	7.5	7.8	7.8	7.5	7.7	8.3	7.8	8.1	8.9	8.6	8.7
8	7.9	7.4	7.7	8.1	7.6	7.8	8.3	7.9	8.1	8.6	8.3	8.4
9	7.9	7.5	7.6	8.0	7.7	7.9	8.1	7.8	8.0	8.5	8.2	8.4
10	7.9	7.6	7.8	8.1	7.8	8.0	8.4	7.9	8.1	8.6	8.4	8.5
11	7.7	7.6	7.6	8.2	7.8	7.9	8.2	7.9	8.0	8.5	8.2	8.4
12	7.7	7.5	7.6	8.1	7.8	7.9	8.4	8.1	8.2	8.7	8.4	8.6
13	7.9	7.5	7.7	7.9	7.6	7.7	8.4	8.0	8.2	8.7	8.4	8.5
14	8.0	7.4	7.7	8.2	7.7	7.9	8.2	8.0	8.1	8.7	8.4	8.6
15	8.0	7.3	7.6	8.1	7.9	8.0	8.3	7.9	8.1	8.7	8.4	8.6
16	7.9	7.2	7.6	8.0	7.8	7.9	8.3	8.1	8.2	8.6	8.2	8.5
17	7.6	7.4	7.5	8.1	7.9	8.0	8.6	8.2	8.3	8.6	8.4	8.5
18	8.0	7.6	7.9	8.2	7.9	8.0	8.3	8.1	8.2	8.6	8.3	8.4
19	7.9	7.7	7.8	8.4	7.9	8.1	8.3	8.1	8.2	8.7	8.5	8.6
20	7.9	7.8	7.9	8.1	7.8	7.9	8.4	8.1	8.2	8.9	8.6	8.7
21	8.2	7.8	7.9	8.3	7.9	8.0	8.3	7.8	8.1	8.9	8.5	8.6
22	7.8	7.7	7.7	8.1	7.9	7.9	8.3	7.5	8.0	8.8	8.6	8.7
23	7.9	7.7	7.8	8.2	8.0	8.1	8.9	7.9	8.3	9.0	8.7	8.8
24	8.1	7.6	7.9	8.2	7.7	8.0	8.5	8.0	8.3	9.0	8.8	8.9
25	7.9	7.6	7.7	8.0	7.7	7.9	8.4	8.2	8.3	8.9	8.5	8.7
26	8.0	7.5	7.8	8.2	7.8	8.0	8.4	8.0	8.2	9.1	8.5	8.8
27	8.0	7.7	7.8	8.1	7.9	8.0	8.3	8.1	8.2	9.5	9.1	9.2
28	8.1	7.9	8.0	8.1	7.9	8.0	8.6	8.2	8.4	9.2	8.8	9.0
29	8.2	7.8	8.0	8.2	7.9	8.1	8.5	8.3	8.4	9.0	8.7	8.8
30	8.0	7.6	7.7	8.2	8.0	8.1	8.4	8.1	8.2	9.1	8.9	9.0
31	---	---	---	8.4	7.9	8.1	8.5	8.1	8.3	---	---	---
MONTH	8.2	7.2	7.7	8.4	7.3	7.9	8.9	7.5	8.2	9.5	7.9	8.6

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.0	8.8	8.9	8.9	8.5	8.7	10.5	10.2	10.4	8.9	8.6	8.8
2	9.0	8.7	8.8	9.3	8.9	9.0	10.4	10.0	10.2	8.6	8.4	8.6
3	9.0	8.7	8.9	9.2	8.9	9.0	10.3	10.0	10.1	8.5	8.0	8.3
4	8.9	8.6	8.7	9.3	8.9	9.1	10.7	10.0	10.4	8.5	8.0	8.3
5	9.0	8.6	8.7	9.5	9.0	9.2	10.9	10.4	10.7	8.5	8.2	8.4
6	9.0	8.7	8.8	9.3	9.1	9.2	10.8	10.4	10.6	8.3	8.1	8.2
7	9.2	8.6	8.9	9.7	9.2	9.5	10.9	10.4	10.7	8.5	8.3	8.4
8	9.1	8.6	8.8	9.8	9.5	9.6	10.4	10.0	10.2	8.5	8.4	8.4
9	9.2	8.8	9.0	9.6	9.2	9.5	10.8	10.1	10.4	8.5	8.3	8.4
10	9.0	8.8	8.9	9.2	8.9	9.1	10.9	10.4	10.8	8.4	8.3	8.4
11	9.1	8.8	8.8	9.3	8.9	9.1	10.4	9.6	10.0	8.3	7.7	8.1
12	9.2	8.9	9.0	9.6	8.9	9.3	9.6	9.4	9.5	7.8	7.4	7.6
13	9.1	8.8	8.9	9.5	9.3	9.4	10.1	9.3	9.6	7.9	7.5	7.7
14	9.0	7.8	8.8	9.7	9.5	9.6	10.3	9.9	10.1	8.0	7.8	7.9
15	8.8	8.6	8.7	9.8	9.6	9.7	10.2	10.0	10.0	8.0	7.8	7.9
16	8.9	8.6	8.7	10.0	9.8	9.9	10.1	9.7	9.9	8.2	8.0	8.1
17	8.8	8.5	8.7	10.0	9.7	9.8	9.9	9.4	9.6	8.2	8.1	8.1
18	8.9	8.6	8.7	9.9	9.5	9.7	9.5	9.2	9.4	8.1	8.0	8.0
19	8.8	8.6	8.7	9.7	9.3	9.5	9.5	9.1	9.3	8.0	7.7	7.9
20	9.1	8.8	9.0	9.4	8.4	9.0	9.5	9.1	9.3	7.8	7.7	7.7
21	9.2	8.9	9.0	9.5	8.4	9.0	9.4	9.2	9.3	7.8	7.7	7.8
22	9.2	8.9	9.1	9.6	9.1	9.4	9.6	9.4	9.5	7.8	7.6	7.8
23	9.2	8.9	9.0	9.7	8.8	9.3	9.5	9.4	9.5	7.7	7.5	7.6
24	9.3	9.1	9.2	9.4	8.7	9.1	9.5	9.4	9.4	7.7	7.5	7.6
25	9.4	8.9	9.3	9.8	8.9	9.5	9.4	9.1	9.3	7.7	7.4	7.5
26	9.5	9.0	9.3	10.3	9.5	10.0	9.2	9.0	9.1	7.6	7.5	7.5
27	9.2	9.0	9.1	10.5	10.2	10.3	9.1	9.0	9.0	7.7	7.5	7.6
28	9.2	9.0	9.1	10.4	10.2	10.3	9.0	8.9	9.0	7.8	7.6	7.7
29	9.1	8.9	9.0	10.5	10.2	10.3	8.9	8.9	8.9	7.8	7.6	7.7
30	9.1	8.9	9.0	10.6	10.3	10.4	9.0	8.8	8.9	7.9	7.7	7.7
31	9.0	8.5	8.8	---	---	---	9.0	8.8	8.9	8.0	7.8	7.9
MONTH	9.5	7.8	8.9	10.6	8.4	9.5	10.9	8.8	9.7	8.9	7.4	8.0

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.9	7.6	7.8	7.4	7.1	7.2	---	---	---	---	---	---
2	7.8	7.5	7.7	7.2	6.8	7.0	---	---	---	---	---	---
3	7.9	7.6	7.7	7.3	6.7	7.0	---	---	---	---	---	---
4	7.8	7.6	7.7	7.3	6.9	7.1	---	---	---	---	---	---
5	7.6	7.4	7.5	7.1	6.9	6.9	---	---	---	---	---	---
6	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
7	7.5	7.3	7.4	7.2	6.9	7.0	---	---	---	---	---	---
8	7.6	7.5	7.5	7.3	7.0	7.1	---	---	---	---	---	---
9	7.8	7.6	7.7	7.2	7.0	7.0	---	---	---	---	---	---
10	7.8	7.6	7.7	7.1	6.9	7.0	---	---	---	---	---	---
11	7.8	7.6	7.7	7.1	6.8	7.0	---	---	---	---	---	---
12	---	---	---	7.2	6.8	7.0	---	---	---	---	---	---
13	7.6	7.4	7.5	7.3	6.8	7.0	---	---	---	---	---	---
14	7.4	7.3	7.3	7.2	6.8	6.9	---	---	---	---	---	---
15	7.4	7.1	7.3	7.2	6.9	7.0	---	---	---	---	---	---
16	7.3	7.0	7.1	7.4	6.9	7.1	---	---	---	---	---	---
17	7.4	7.0	7.2	7.1	6.9	7.0	---	---	---	---	---	---
18	7.4	7.1	7.3	---	---	---	---	---	---	---	---	---
19	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
20	7.2	6.7	7.1	---	---	---	---	---	---	---	---	---
21	7.2	6.6	6.8	---	---	---	---	---	---	---	---	---
22	7.2	6.7	6.9	---	---	---	---	---	---	---	---	---
23	7.2	6.7	6.9	---	---	---	---	---	---	---	---	---
24	7.2	6.8	7.0	---	---	---	---	---	---	---	---	---
25	7.2	6.8	7.0	---	---	---	---	---	---	---	---	---
26	7.2	6.8	7.0	---	---	---	---	---	---	---	---	---
27	7.2	6.9	7.1	---	---	---	---	---	---	---	---	---
28	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	878	862	869	---	---	---	851	824	840
2	---	---	---	918	862	896	---	---	---	842	821	832
3	---	---	---	918	862	884	894	844	875	---	---	---
4	---	---	---	925	868	895	---	---	---	---	---	---
5	---	---	---	918	872	897	904	860	878	---	---	---
6	---	---	---	894	866	881	882	848	867	---	---	---
7	---	---	---	941	880	904	886	847	869	---	---	---
8	---	---	---	910	868	887	894	838	874	---	---	---
9	---	---	---	878	850	872	910	860	887	855	818	838
10	---	---	---	918	866	896	902	876	889	856	818	841
11	---	---	---	910	870	889	886	858	873	---	---	---
12	---	---	---	894	862	880	878	842	865	---	---	---
13	---	---	---	880	858	865	896	850	879	---	---	---
14	---	---	---	878	856	867	894	855	879	846	814	820
15	---	---	---	878	864	875	894	868	881	817	815	816
16	---	---	---	933	864	900	902	856	880	---	---	---
17	---	---	---	894	860	877	918	858	890	---	---	---
18	---	---	---	902	858	876	894	855	873	---	---	---
19	---	---	---	925	864	897	871	858	867	---	---	---
20	---	---	---	894	868	885	902	852	876	---	---	---
21	---	---	---	902	856	880	902	846	880	---	---	---
22	---	---	---	886	862	878	894	854	875	---	---	---
23	---	---	---	925	874	888	886	850	872	---	---	---
24	---	---	---	918	870	892	894	850	876	---	---	---
25	---	---	---	910	863	888	887	839	856	---	---	---
26	---	---	---	894	871	884	854	827	842	---	---	---
27	908	870	890	884	858	865	853	822	839	---	---	---
28	902	870	885	862	850	856	---	---	---	836	818	829
29	880	872	876	872	862	867	875	817	857	823	815	818
30	878	870	873	906	862	886	877	828	856	---	---	---
31	---	---	---	---	---	---	859	830	847	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	855	831	841
2	---	---	---	---	---	---	---	---	---	848	824	836
3	---	---	---	---	---	---	---	---	---	824	801	816
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	826	819	822
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	830	822	829	---	---	---	---	---	---
10	---	---	---	844	829	839	---	---	---	---	---	---
11	---	---	---	844	829	833	---	---	---	---	---	---
12	854	846	853	---	---	---	---	---	---	---	---	---
13	846	839	844	---	---	---	---	---	---	815	807	810
14	---	---	---	---	---	---	852	836	841	---	---	---
15	854	846	847	---	---	---	---	---	---	---	---	---
16	855	846	848	---	---	---	838	821	833	---	---	---
17	855	840	849	---	---	---	854	830	840	---	---	---
18	855	840	847	---	---	---	---	---	---	---	---	---
19	841	832	838	---	---	---	---	---	---	---	---	---
20	856	833	844	---	---	---	---	---	---	---	---	---
21	848	841	847	---	---	---	880	863	873	---	---	---
22	841	833	839	847	824	834	888	864	868	---	---	---
23	849	834	842	---	---	---	881	857	870	---	---	---
24	849	842	846	---	---	---	865	842	855	---	---	---
25	849	842	843	---	---	---	851	834	843	---	---	---
26	843	834	836	---	---	---	835	827	833	---	---	---
27	835	835	835	---	---	---	836	828	831	---	---	---
28	843	835	837	---	---	---	821	820	821	---	---	---
29	---	---	---	---	---	---	837	821	825	---	---	---
30	---	---	---	---	---	---	854	837	843	---	---	---
31	---	---	---	---	---	---	863	838	854	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	1010	991	1000	1010	977	995
2	---	---	---	---	---	---	1010	969	989	1020	973	999
3	---	---	---	---	---	---	1000	979	989	995	968	983
4	---	---	---	---	---	---	1000	988	992	998	974	986
5	---	---	---	---	---	---	995	980	987	1020	992	1010
6	---	---	---	---	---	---	995	976	985	---	---	---
7	---	---	---	---	---	---	999	976	989	---	---	---
8	---	---	---	---	---	---	993	973	982	---	---	---
9	---	---	---	---	---	---	1030	978	1000	---	---	---
10	---	---	---	---	---	---	1040	985	1010	---	---	---
11	---	---	---	---	---	---	1010	966	988	---	---	---
12	---	---	---	---	---	---	1030	974	1010	---	---	---
13	---	---	---	---	---	---	1030	995	1010	---	---	---
14	---	---	---	---	---	---	995	957	976	---	---	---
15	---	---	---	---	---	---	1000	962	983	---	---	---
16	---	---	---	---	---	---	989	973	982	---	---	---
17	---	---	---	---	---	---	1010	973	988	983	945	967
18	---	---	---	---	---	---	991	953	970	989	949	968
19	---	---	---	---	---	---	985	955	969	994	959	977
20	---	---	---	---	---	---	987	973	981	995	971	987
21	---	---	---	---	---	---	989	975	982	995	976	986
22	---	---	---	---	---	---	995	963	982	984	955	969
23	---	---	---	---	---	---	1010	971	990	979	961	971
24	---	---	---	---	---	---	996	965	981	984	961	975
25	---	---	---	---	---	---	1000	958	979	963	953	958
26	---	---	---	1030	1000	1020	1010	953	978	972	952	964
27	---	---	---	---	---	---	1030	963	997	986	950	968
28	---	---	---	---	---	---	1010	959	981	974	955	962
29	---	---	---	---	---	---	1040	993	1020	974	962	969
30	---	---	---	986	933	966	1040	1010	1020	966	947	957
31	---	---	---	1000	952	976	---	---	---	965	926	942
MONTH	---	---	---	---	---	---	1040	953	990	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	990	937	963	945	916	933	935	912	924	911	896	904
2	955	932	946	931	909	922	952	912	925	911	896	904
3	945	921	934	952	918	934	944	916	934	921	905	913
4	951	916	939	952	917	933	933	914	925	927	901	915
5	962	931	945	943	915	927	936	913	926	908	889	901
6	959	932	945	949	914	932	942	907	923	907	882	895
7	967	926	948	954	919	938	940	908	923	909	892	900
8	952	930	941	949	912	928	941	922	932	917	896	905
9	938	910	924	950	902	927	930	918	924	913	896	903
10	950	902	931	944	912	929	941	927	932	904	894	899
11	964	921	939	953	923	937	942	928	933	910	889	898
12	967	906	932	923	916	920	931	917	924	902	880	893
13	954	903	929	927	915	922	935	918	927	899	881	891
14	956	905	931	925	914	921	942	924	933	901	889	895
15	946	911	932	947	925	935	934	918	928	888	874	881
16	939	915	923	957	916	937	930	911	922	884	871	877
17	950	915	934	950	913	929	929	911	920	895	875	886
18	948	921	935	957	914	935	926	914	919	900	883	891
19	942	914	926	949	922	936	929	915	923	901	884	893
20	946	913	931	950	920	936	930	914	923	898	884	889
21	945	911	932	945	911	929	928	911	921	901	883	891
22	931	900	918	947	912	931	920	907	914	900	884	888
23	942	897	921	945	911	932	932	902	913	907	889	896
24	941	912	928	947	914	926	918	904	911	906	895	900
25	949	917	933	954	903	930	919	907	914	902	893	898
26	952	913	932	921	899	908	921	908	917	901	891	896
27	937	902	926	920	913	917	929	900	914	909	894	903
28	926	892	912	912	906	909	932	905	917	915	901	908
29	926	903	913	942	912	928	923	903	913	911	895	904
30	936	922	929	947	911	927	920	908	914	913	892	902
31	---	---	---	943	915	927	916	905	911	---	---	---
MONTH	990	892	932	957	899	928	952	900	922	927	871	897

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	897	886	893	902	890	896	921	895	910	879	866	872
2	896	889	893	907	894	900	920	891	908	871	826	854
3	902	887	895	901	891	897	930	879	910	840	798	818
4	902	890	897	904	898	901	939	884	921	830	805	818
5	897	889	892	908	895	902	924	877	907	842	821	831
6	895	889	892	905	896	901	933	861	901	852	835	841
7	900	890	895	909	894	901	926	864	903	863	846	854
8	899	888	893	910	894	903	915	841	895	862	846	855
9	915	886	902	909	900	904	927	865	902	867	850	860
10	917	905	913	910	899	904	924	875	907	881	862	871
11	914	903	908	913	900	907	919	882	895	887	850	873
12	908	902	905	912	904	909	884	868	880	898	879	888
13	910	903	908	917	902	910	871	864	868	894	876	886
14	914	905	910	919	902	910	873	863	868	895	870	885
15	917	905	910	921	900	912	871	811	846	896	862	880
16	909	902	906	916	907	912	881	861	873	869	856	864
17	912	901	906	918	906	912	877	853	868	874	858	868
18	911	899	906	920	910	915	879	867	874	870	858	865
19	908	899	904	930	912	924	887	869	878	861	855	857
20	912	892	903	931	914	923	894	868	880	860	854	857
21	906	886	898	922	912	918	894	881	887	859	852	855
22	905	893	899	937	899	916	889	875	882	855	850	853
23	910	893	901	924	914	920	887	867	876	854	844	849
24	912	894	904	925	914	921	877	860	870	859	854	857
25	907	889	897	922	899	913	874	867	871	866	856	863
26	904	889	895	921	912	917	881	866	873	867	861	864
27	918	891	899	922	911	916	886	869	878	868	858	864
28	911	890	900	927	914	920	882	867	876	862	854	859
29	908	885	901	934	883	917	878	875	876	859	854	857
30	894	885	888	924	907	917	879	868	874	860	854	857
31	899	886	892	---	---	---	879	872	875	863	855	859
MONTH	918	885	900	937	883	911	939	811	885	898	798	859

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	871	856	863	938	928	934	995	973	985	983	943	965
2	871	860	866	944	927	936	993	967	978	980	933	959
3	873	856	868	943	915	933	990	965	978	972	946	960
4	870	857	862	956	915	936	987	967	974	951	926	942
5	866	854	860	964	926	943	985	962	973	966	924	941
6	871	860	866	969	950	959	990	966	980	961	916	942
7	874	861	869	969	953	960	1010	976	988	959	919	939
8	881	861	875	984	956	968	1000	982	992	961	931	945
9	881	869	875	963	946	953	983	970	975	970	929	945
10	877	869	872	951	934	942	986	961	973	978	914	954
11	877	867	872	964	951	958	1000	981	989	983	908	945
12	888	870	880	961	953	958	987	969	980	962	908	934
13	908	879	891	965	955	960	980	964	973	948	896	926
14	906	893	899	970	960	966	989	972	981	947	915	933
15	914	897	904	974	952	965	985	975	981	947	929	937
16	952	897	920	978	965	971	998	969	984	945	920	935
17	981	931	951	987	968	978	991	972	984	942	916	932
18	973	924	942	986	960	977	988	928	964	943	916	930
19	935	914	924	1000	975	989	995	981	986	960	916	936
20	929	919	924	1000	981	990	985	967	975	964	917	943
21	926	910	919	988	963	975	973	950	967	956	914	935
22	920	910	915	970	953	962	977	941	961	943	914	932
23	925	901	913	1000	953	981	988	969	977	955	904	932
24	911	896	905	997	965	981	975	943	962	961	918	943
25	921	899	912	995	966	982	953	946	949	946	921	936
26	928	915	922	988	977	981	961	948	953	950	921	935
27	931	918	924	984	973	978	962	951	956	955	924	941
28	942	922	931	985	972	978	966	950	956	944	911	927
29	934	925	930	986	974	978	968	958	963	927	907	919
30	---	---	---	988	975	980	971	954	963	925	899	910
31	---	---	---	990	970	983	---	---	---	932	905	917
MONTH	981	854	898	1000	915	966	1010	928	973	983	896	938

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	928	909	917	934	909	924	915	885	900	897	875	888
2	922	903	913	951	895	928	909	892	899	895	882	889
3	929	905	918	911	887	902	911	876	898	903	882	894
4	927	905	917	921	905	914	909	873	892	900	889	895
5	928	905	915	928	916	922	912	875	893	910	868	889
6	927	897	915	931	912	920	911	867	893	891	869	880
7	920	893	911	938	912	921	899	876	891	892	872	882
8	936	902	915	934	909	921	895	861	885	901	884	893
9	934	901	918	935	912	924	903	883	892	904	884	893
10	921	902	908	933	909	920	912	875	888	892	879	889
11	924	902	916	931	905	916	902	870	890	897	877	886
12	937	917	928	927	899	910	905	869	887	883	873	877
13	935	909	925	938	908	924	900	867	885	887	870	878
14	938	908	924	925	895	912	912	880	897	885	870	877
15	941	900	925	919	895	908	905	871	890	885	870	878
16	962	918	934	928	901	916	891	864	877	884	869	876
17	955	918	947	914	901	909	890	870	881	886	871	880
18	927	899	916	919	894	907	897	873	885	896	867	883
19	947	918	937	913	885	900	901	870	886	880	868	875
20	955	934	944	920	897	910	913	882	897	875	863	869
21	941	925	933	917	899	908	910	888	903	884	864	874
22	948	927	936	917	894	905	931	882	900	882	864	874
23	944	923	934	916	889	900	924	865	885	872	865	870
24	941	909	925	919	885	901	906	880	895	878	865	871
25	932	914	924	925	894	912	902	887	894	879	861	871
26	934	905	918	911	888	901	913	888	900	876	854	864
27	928	903	915	919	890	903	912	889	900	868	855	861
28	922	909	915	914	899	906	901	876	892	882	864	873
29	941	918	929	909	893	902	895	871	884	878	863	870
30	935	912	925	906	883	894	898	886	890	884	867	874
31	---	---	---	910	875	895	919	877	890	---	---	---
MONTH	962	893	923	951	875	911	931	861	892	910	854	879

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	877	858	867	883	864	876	893	883	888	855	837	848
2	877	856	866	883	861	871	893	883	887	864	851	855
3	868	854	861	885	862	874	891	882	887	873	850	860
4	875	862	869	882	858	871	889	877	883	874	848	858
5	876	861	870	884	863	875	883	872	877	856	842	849
6	872	859	866	889	863	878	883	874	879	856	847	853
7	880	858	868	879	871	876	882	874	878	864	845	856
8	889	861	876	876	865	870	891	878	886	852	843	848
9	876	869	873	888	866	879	885	869	878	850	845	847
10	893	873	885	890	870	881	875	867	870	850	843	846
11	890	872	881	885	868	875	894	873	884	895	842	865
12	884	869	877	881	840	875	902	886	893	924	882	901
13	885	866	878	885	840	877	897	879	891	907	865	887
14	888	824	875	885	869	878	882	872	878	877	859	867
15	892	871	880	883	872	879	882	872	879	872	846	862
16	892	872	883	889	875	882	880	874	877	846	833	842
17	889	874	882	885	870	878	887	873	881	838	831	834
18	885	872	879	885	870	878	890	880	884	852	836	845
19	887	871	879	883	871	878	893	874	883	862	837	851
20	878	869	873	893	873	884	880	873	876	874	854	864
21	880	858	871	890	865	879	883	871	877	871	849	860
22	873	858	866	878	861	870	874	863	869	868	848	858
23	877	858	868	892	869	880	869	863	865	880	849	867
24	871	854	863	892	872	885	867	861	863	882	864	873
25	879	855	865	891	877	886	868	861	864	883	850	868
26	874	862	868	881	871	877	870	862	866	868	851	860
27	877	862	869	885	877	881	870	862	866	851	830	844
28	875	857	866	887	875	882	868	858	863	837	826	833
29	884	863	874	885	878	882	862	851	858	861	826	845
30	881	871	875	886	876	881	853	845	849	849	831	844
31	887	864	873	---	---	---	849	837	844	854	817	836
MONTH	893	824	872	893	840	878	902	837	875	924	817	856

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	854	820	842	911	887	899	---	---	---	---	---	---
2	870	841	850	933	900	914	---	---	---	---	---	---
3	861	829	846	940	899	921	---	---	---	---	---	---
4	871	849	857	923	896	912	---	---	---	---	---	---
5	884	836	864	927	914	924	---	---	---	---	---	---
6	894	864	884	---	---	---	---	---	---	---	---	---
7	892	866	880	924	914	919	---	---	---	---	---	---
8	884	840	866	921	908	916	---	---	---	---	---	---
9	863	834	849	928	913	921	---	---	---	---	---	---
10	852	840	846	933	919	929	---	---	---	---	---	---
11	854	835	845	938	925	929	---	---	---	---	---	---
12	863	851	857	938	919	930	---	---	---	---	---	---
13	883	858	873	944	906	929	---	---	---	---	---	---
14	896	882	889	951	933	940	---	---	---	---	---	---
15	902	874	887	945	924	938	---	---	---	---	---	---
16	919	888	903	942	917	929	---	---	---	---	---	---
17	919	885	899	942	923	935	---	---	---	---	---	---
18	899	873	888	---	---	---	---	---	---	---	---	---
19	897	881	890	---	---	---	---	---	---	---	---	---
20	939	887	909	---	---	---	---	---	---	---	---	---
21	940	911	924	---	---	---	---	---	---	---	---	---
22	936	893	914	---	---	---	---	---	---	---	---	---
23	930	893	908	---	---	---	---	---	---	---	---	---
24	922	886	904	---	---	---	---	---	---	---	---	---
25	922	895	909	---	---	---	---	---	---	---	---	---
26	929	898	913	---	---	---	---	---	---	---	---	---
27	931	886	916	---	---	---	---	---	---	---	---	---
28	917	890	905	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	940	820	883	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
2	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
3	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	8.4	8.2	8.3
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
14	---	---	---	---	---	---	7.9	7.8	7.9	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	8.0	7.8	7.9	---	---	---
17	---	---	---	---	---	---	7.9	7.9	7.9	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	7.9	7.8	7.9	---	---	---
22	---	---	---	---	---	---	7.9	7.9	7.9	---	---	---
23	---	---	---	---	---	---	8.0	7.9	7.9	---	---	---
24	---	---	---	---	---	---	8.0	8.0	8.0	---	---	---
25	---	---	---	---	---	---	8.1	8.0	8.1	---	---	---
26	---	---	---	---	---	---	8.2	8.1	8.2	---	---	---
27	---	---	---	---	---	---	8.2	8.2	8.2	---	---	---
28	---	---	---	---	---	---	8.4	8.2	8.3	---	---	---
29	---	---	---	---	---	---	8.4	8.2	8.3	---	---	---
30	---	---	---	---	---	---	8.4	8.2	8.2	---	---	---
31	---	---	---	---	---	---	8.3	8.2	8.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	8.3	8.1	8.3	8.1	7.9	8.0
2	---	---	---	---	---	---	8.3	8.1	8.2	8.0	7.9	7.9
3	---	---	---	---	---	---	8.2	8.1	8.1	8.1	7.9	8.0
4	---	---	---	---	---	---	8.2	8.1	8.2	8.1	7.9	8.0
5	---	---	---	---	---	---	8.3	8.2	8.3	8.1	7.8	7.9
6	---	---	---	---	---	---	8.3	8.2	8.3	---	---	---
7	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
8	---	---	---	---	---	---	8.4	8.2	8.3	---	---	---
9	---	---	---	---	---	---	8.3	8.2	8.2	---	---	---
10	---	---	---	---	---	---	8.3	8.1	8.2	---	---	---
11	---	---	---	---	---	---	8.3	8.2	8.2	---	---	---
12	---	---	---	---	---	---	8.4	8.1	8.3	---	---	---
13	---	---	---	---	---	---	8.3	8.1	8.2	---	---	---
14	---	---	---	---	---	---	8.3	8.1	8.2	---	---	---
15	---	---	---	---	---	---	8.2	8.1	8.2	---	---	---
16	---	---	---	---	---	---	8.2	8.0	8.1	---	---	---
17	---	---	---	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1
18	---	---	---	---	---	---	8.2	8.0	8.1	8.3	8.1	8.2
19	---	---	---	---	---	---	8.3	8.0	8.1	8.2	8.1	8.1
20	---	---	---	---	---	---	8.3	8.0	8.1	8.1	8.0	8.1
21	---	---	---	---	---	---	8.3	8.1	8.2	8.0	8.0	8.0
22	---	---	---	---	---	---	8.1	8.0	8.0	8.1	8.0	8.1
23	---	---	---	---	---	---	8.1	7.9	8.0	8.1	8.0	8.0
24	---	---	---	---	---	---	8.1	7.9	8.0	8.1	8.0	8.1
25	---	---	---	---	---	---	8.1	8.0	8.0	8.1	8.1	8.1
26	---	---	---	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.1
27	---	---	---	---	---	---	8.2	7.9	8.1	8.1	7.9	8.0
28	---	---	---	---	---	---	8.2	7.9	8.0	8.0	7.9	8.0
29	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	7.9
30	---	---	---	8.6	8.2	8.3	8.0	8.0	8.0	8.0	7.9	8.0
31	---	---	---	8.6	8.2	8.4	---	---	---	8.1	7.9	8.0
MONTH	---	---	---	---	---	---	8.4	7.9	8.1	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.2	8.0	8.0	8.0	7.9	8.0	7.9	7.9	7.9	7.9	7.9	7.9
2	8.1	7.9	8.0	8.1	7.9	8.0	7.9	7.9	7.9	8.0	7.8	7.9
3	8.0	7.9	7.9	8.0	7.9	8.0	8.0	7.9	7.9	7.8	7.8	7.8
4	8.0	7.9	7.9	8.0	7.9	8.0	8.0	7.9	7.9	7.8	7.8	7.8
5	8.0	7.8	7.9	8.0	7.9	8.0	7.9	7.9	7.9	7.8	7.8	7.8
6	8.0	7.7	7.9	8.0	7.9	7.9	8.0	7.9	7.9	7.9	7.8	7.8
7	8.0	7.8	7.9	7.9	7.9	7.9	8.1	7.6	8.0	7.8	7.8	7.8
8	8.0	7.9	8.0	7.9	7.9	7.9	8.1	8.0	8.1	7.9	7.8	7.8
9	8.1	7.9	8.0	7.9	7.9	7.9	8.1	8.0	8.1	7.9	7.8	7.8
10	7.9	7.9	7.9	8.0	7.7	7.9	8.1	8.0	8.1	7.9	7.8	7.8
11	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.0	7.9	7.7	7.8
12	7.9	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.1	---	---	---
13	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.0	---	---	---
14	8.0	7.8	7.9	8.3	8.0	8.1	8.0	8.0	8.0	---	---	---
15	7.9	7.9	7.9	8.1	8.0	8.0	8.0	8.0	8.0	---	---	---
16	7.9	7.8	7.8	8.1	8.0	8.1	8.0	7.9	7.9	---	---	---
17	7.8	7.8	7.8	8.1	8.0	8.1	8.0	7.9	7.9	---	---	---
18	7.8	7.8	7.8	8.0	7.9	8.0	7.9	7.9	7.9	---	---	---
19	8.0	7.8	7.9	8.0	7.9	8.0	7.9	7.9	7.9	---	---	---
20	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
21	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
22	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
23	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
24	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
25	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
26	8.0	7.9	8.0	8.3	8.0	8.1	7.9	7.9	7.9	---	---	---
27	8.0	7.9	8.0	8.2	8.0	8.1	7.9	7.9	7.9	---	---	---
28	8.1	8.0	8.0	8.2	8.0	8.1	7.9	7.9	7.9	---	---	---
29	8.1	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	---	---	---
30	8.2	8.0	8.1	8.1	8.0	8.0	7.9	7.9	7.9	---	---	---
31	---	---	---	8.0	7.9	7.9	7.9	7.9	7.9	---	---	---
MONTH	8.2	7.7	7.9	8.3	7.7	8.0	8.1	7.6	7.9	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.0	8.0	8.0	---	---	---	---	---	---
2	---	---	---	8.0	8.0	8.0	---	---	---	---	---	---
3	---	---	---	8.1	8.0	8.0	---	---	---	---	---	---
4	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
11	8.0	8.0	8.0	---	---	---	---	---	---	---	---	---
12	8.0	7.9	8.0	---	---	---	---	---	---	---	---	---
13	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
14	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
15	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
16	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
17	8.1	8.0	8.1	---	---	---	---	---	---	---	---	---
18	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
19	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
20	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
21	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
22	8.2	8.0	8.1	---	---	---	---	---	---	---	---	---
23	8.0	8.0	8.0	---	---	---	---	---	---	---	---	---
24	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
25	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
26	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
27	8.1	7.9	8.0	---	---	---	---	---	---	---	---	---
28	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
29	8.0	7.9	8.0	---	---	---	---	---	---	---	---	---
30	8.0	7.9	8.0	---	---	---	---	---	---	---	---	---
31	8.0	8.0	8.0	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	7.9	7.6	7.7
2	---	---	---	---	---	---	---	---	---	7.8	7.6	7.7
3	---	---	---	---	---	---	---	---	---	7.9	7.6	7.6
4	---	---	---	---	---	---	---	---	---	7.7	7.6	7.6
5	---	---	---	---	---	---	---	---	---	7.7	7.6	7.7
6	---	---	---	---	---	---	---	---	---	7.7	7.6	7.6
7	---	---	---	---	---	---	---	---	---	7.8	7.6	7.7
8	---	---	---	---	---	---	---	---	---	7.7	7.7	7.7
9	---	---	---	---	---	---	---	---	---	7.8	7.7	7.7
10	---	---	---	---	---	---	---	---	---	7.9	7.7	7.8
11	---	---	---	---	---	---	---	---	---	7.8	7.7	7.8
12	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
13	---	---	---	---	---	---	---	---	---	8.2	7.8	8.0
14	---	---	---	---	---	---	---	---	---	8.1	8.0	8.1
15	---	---	---	---	---	---	---	---	---	8.1	8.0	8.1
16	---	---	---	---	---	---	7.9	7.7	7.8	8.1	8.0	8.1
17	---	---	---	---	---	---	7.8	7.8	7.8	8.2	8.0	8.1
18	---	---	---	---	---	---	7.9	7.8	7.9	8.1	8.0	8.1
19	---	---	---	---	---	---	7.9	7.8	7.8	8.1	8.1	8.1
20	---	---	---	---	---	---	7.9	7.8	7.9	8.1	8.1	8.1
21	---	---	---	---	---	---	7.9	7.8	7.9	8.2	8.1	8.1
22	---	---	---	---	---	---	7.9	7.8	7.9	8.3	8.2	8.2
23	---	---	---	---	---	---	7.9	7.8	7.9	8.3	8.2	8.2
24	---	---	---	---	---	---	8.0	7.8	7.9	8.3	8.2	8.2
25	---	---	---	---	---	---	8.0	7.9	7.9	8.3	8.2	8.2
26	---	---	---	---	---	---	8.0	7.9	7.9	8.3	8.1	8.2
27	---	---	---	---	---	---	8.0	7.9	7.9	8.3	8.2	8.2
28	---	---	---	---	---	---	8.0	7.9	7.9	8.2	8.1	8.1
29	---	---	---	---	---	---	7.9	7.9	7.9	8.1	8.0	8.0
30	---	---	---	---	---	---	7.9	7.7	7.9	8.0	7.9	8.0
31	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
MONTH	---	---	---	---	---	---	---	---	---	8.3	7.6	8.0

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.9	7.9	7.9	7.9	7.7	7.8	7.8	7.7	7.7	8.1	8.0	8.0
2	7.9	7.8	7.9	8.0	7.7	7.8	7.8	7.7	7.7	8.1	8.0	8.0
3	7.9	7.8	7.8	7.9	7.8	7.8	7.8	7.7	7.7	8.1	8.0	8.0
4	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.6	7.7	8.1	8.0	8.0
5	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.7	8.0	7.9	8.0
6	7.9	7.8	7.8	7.8	7.7	7.7	7.9	7.6	7.8	8.0	7.8	7.9
7	7.9	7.8	7.8	7.8	7.6	7.7	7.9	7.7	7.8	7.9	7.8	7.8
8	8.0	7.9	7.9	8.1	7.7	8.0	7.8	7.7	7.7	7.8	7.7	7.8
9	7.9	7.9	7.9	8.1	8.0	8.1	7.9	7.7	7.8	7.8	7.7	7.7
10	8.0	7.9	7.9	8.1	7.9	8.0	7.9	7.7	7.8	7.8	7.7	7.7
11	8.0	7.9	7.9	8.1	7.8	7.9	7.9	7.7	7.8	7.7	7.7	7.7
12	7.9	7.9	7.9	8.1	8.1	8.1	7.9	7.7	7.8	7.7	7.7	7.7
13	8.0	7.9	7.9	8.1	8.0	8.1	7.9	7.7	7.8	7.8	7.7	7.8
14	8.0	7.9	7.9	8.1	8.1	8.1	7.8	7.7	7.8	7.8	7.8	7.8
15	8.0	7.9	7.9	8.1	7.7	7.9	7.9	7.7	7.8	7.9	7.8	7.8
16	8.2	7.8	7.9	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8
17	7.9	7.8	7.9	7.9	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8
18	8.0	7.9	8.0	7.9	7.8	7.8	7.9	7.8	7.8	8.0	7.8	7.8
19	8.0	7.9	8.0	7.9	7.8	7.8	8.0	7.8	7.9	8.2	8.0	8.1
20	8.0	7.9	7.9	8.0	7.9	7.9	8.0	7.9	8.0	8.1	8.1	8.1
21	8.0	7.9	8.0	7.9	7.9	7.9	8.0	7.9	7.9	8.1	8.0	8.1
22	8.0	7.9	8.0	7.9	7.8	7.9	7.9	7.9	7.9	8.0	7.9	7.9
23	8.0	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9	7.9	7.8	7.9
24	8.0	7.8	7.9	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8
25	7.9	7.8	7.8	7.8	7.7	7.7	8.0	7.8	7.9	7.9	7.8	7.8
26	8.0	7.8	7.8	7.8	7.7	7.7	8.0	7.9	8.0	7.8	7.8	7.8
27	7.9	7.8	7.8	7.7	7.7	7.7	8.1	7.9	8.0	7.8	7.8	7.8
28	7.8	7.7	7.8	7.8	7.7	7.7	8.1	8.0	8.1	7.9	7.8	7.8
29	7.8	7.7	7.7	7.8	7.7	7.8	8.1	8.1	8.1	7.8	7.7	7.8
30	7.9	7.7	7.7	7.8	7.7	7.7	8.1	8.0	8.1	7.9	7.7	7.9
31	---	---	---	7.8	7.7	7.7	8.1	8.0	8.1	---	---	---
MONTH	8.2	7.7	7.9	8.1	7.6	7.8	8.1	7.6	7.9	8.2	7.7	7.9

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.9	7.8	7.9	8.1	8.0	8.0	8.0	7.9	8.0	8.0	7.9	8.0
2	8.0	7.8	7.9	8.1	8.0	8.0	8.1	8.0	8.0	8.0	7.9	8.0
3	7.9	7.8	7.9	8.0	7.9	8.0	8.4	8.1	8.3	7.9	7.7	7.8
4	7.9	7.8	7.9	8.0	7.9	7.9	8.4	8.3	8.4	7.8	7.7	7.8
5	7.9	7.8	7.9	8.0	7.8	7.9	8.4	8.3	8.4	7.8	7.7	7.8
6	7.9	7.8	7.9	7.9	7.8	7.9	8.4	8.4	8.4	7.9	7.7	7.8
7	7.9	7.8	7.9	7.9	7.8	7.8	8.5	8.3	8.4	8.0	7.8	7.9
8	8.1	7.8	8.0	7.9	7.8	7.8	8.4	8.3	8.3	8.0	7.9	8.0
9	8.1	8.0	8.1	7.9	7.8	7.8	8.4	8.3	8.3	7.9	7.9	7.9
10	8.1	8.1	8.1	7.8	7.7	7.8	8.3	8.1	8.2	8.0	7.9	7.9
11	8.1	8.0	8.1	7.8	7.7	7.8	8.2	8.0	8.1	---	---	---
12	8.0	7.9	8.0	7.8	7.7	7.8	8.1	8.0	8.0	---	---	---
13	8.0	7.9	7.9	7.8	7.7	7.8	8.1	8.0	8.1	---	---	---
14	8.0	7.9	7.9	7.8	7.8	7.8	8.1	8.0	8.1	---	---	---
15	7.9	7.8	7.9	7.8	7.8	7.8	8.1	8.0	8.1	---	---	---
16	7.9	7.8	7.8	7.9	7.8	7.8	8.1	8.0	8.0	---	---	---
17	7.8	7.7	7.8	7.9	7.8	7.8	8.0	7.9	8.0	---	---	---
18	7.8	7.7	7.8	7.9	7.8	7.8	8.1	7.9	8.0	---	---	---
19	7.8	7.7	7.7	7.9	7.8	7.8	8.0	7.9	8.0	---	---	---
20	7.8	7.7	7.7	7.8	7.7	7.8	8.0	7.9	7.9	---	---	---
21	7.8	7.7	7.7	7.8	7.7	7.8	8.0	7.9	8.0	---	---	---
22	7.8	7.7	7.7	7.8	7.7	7.8	8.0	7.9	8.0	---	---	---
23	7.8	7.7	7.7	7.8	7.7	7.8	8.0	8.0	8.0	---	---	---
24	8.0	7.7	7.8	7.8	7.7	7.8	8.1	7.9	8.0	---	---	---
25	8.1	7.9	8.0	7.9	7.8	7.8	8.1	8.0	8.0	---	---	---
26	8.1	7.9	8.0	7.9	7.8	7.9	8.0	7.9	8.0	---	---	---
27	8.1	8.0	8.0	8.0	7.9	7.9	8.0	7.9	7.9	---	---	---
28	8.1	8.0	8.0	8.0	7.9	7.9	8.1	7.9	8.0	---	---	---
29	8.1	8.0	8.0	8.0	7.9	8.0	8.1	8.0	8.1	---	---	---
30	8.1	8.0	8.0	8.0	7.9	8.0	8.1	8.0	8.0	---	---	---
31	8.1	8.0	8.0	---	---	---	8.0	8.0	8.0	---	---	---
MONTH	8.1	7.7	7.9	8.1	7.7	7.9	8.5	7.9	8.1	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Concentrations of dissolved oxygen, in milligrams per liter, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.5	7.1	7.6	---	---	---	7.4	6.5	6.8
2	---	---	---	7.4	6.4	6.8	---	---	---	7.5	6.9	7.1
3	---	---	---	7.0	6.4	6.7	6.9	6.4	6.7	---	---	---
4	---	---	---	7.4	6.6	6.8	---	---	---	---	---	---
5	---	---	---	7.2	6.6	6.8	7.3	6.6	6.9	---	---	---
6	---	---	---	7.4	6.7	6.9	7.3	6.5	6.8	---	---	---
7	---	---	---	7.2	6.5	6.7	7.3	6.5	6.8	---	---	---
8	---	---	---	7.4	6.6	6.8	7.2	6.4	6.7	---	---	---
9	---	---	---	7.4	6.7	6.9	6.9	6.3	6.5	---	---	---
10	---	---	---	7.2	6.5	6.7	6.8	6.3	6.5	7.3	6.3	6.6
11	---	---	---	7.3	6.6	6.8	7.2	6.6	6.8	---	---	---
12	---	---	---	7.3	6.6	6.8	7.5	6.7	6.9	---	---	---
13	---	---	---	8.4	6.8	7.3	7.5	6.2	6.6	---	---	---
14	---	---	---	7.6	6.8	7.1	7.1	6.2	6.5	8.6	6.5	7.6
15	---	---	---	7.7	6.7	7.1	7.0	6.4	6.5	8.5	7.0	7.5
16	---	---	---	7.1	6.3	6.6	7.1	6.4	6.6	---	---	---
17	---	---	---	7.2	6.5	6.7	7.1	6.3	6.6	---	---	---
18	---	---	---	7.1	6.5	6.7	7.2	6.3	6.7	---	---	---
19	---	---	---	7.2	6.4	6.7	7.3	6.5	6.9	---	---	---
20	---	---	---	7.0	6.5	6.7	7.2	6.3	6.7	---	---	---
21	---	---	---	7.2	6.5	6.7	7.1	6.3	6.6	---	---	---
22	---	---	---	6.9	6.5	6.7	6.9	6.3	6.6	---	---	---
23	---	---	---	7.0	6.5	6.6	6.9	6.3	6.5	---	---	---
24	---	---	---	6.9	6.4	6.6	---	---	---	---	---	---
25	---	---	---	7.0	6.4	6.7	---	---	---	---	---	---
26	---	---	---	6.9	6.5	6.6	---	---	---	---	---	---
27	---	---	---	7.9	6.6	7.3	---	---	---	---	---	---
28	7.2	6.7	6.9	7.8	7.0	7.4	---	---	---	9.0	7.2	7.8
29	8.0	6.9	7.4	7.7	6.2	7.2	---	---	---	9.4	7.2	7.7
30	8.3	7.1	7.6	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	7.2	6.3	6.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.0	7.4	7.7
2	---	---	---	---	---	---	---	---	---	8.1	7.6	7.8
3	---	---	---	---	---	---	---	---	---	8.3	7.8	8.0
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	8.2	7.8	8.0
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	8.4	7.1	7.5	---	---	---	---	---	---	---	---	---
13	8.3	7.1	7.4	---	---	---	---	---	---	9.3	8.4	8.7
14	---	---	---	---	---	---	7.2	6.4	6.7	---	---	---
15	7.6	6.9	7.1	---	---	---	---	---	---	---	---	---
16	7.6	6.9	7.1	---	---	---	7.1	6.4	6.6	---	---	---
17	7.6	7.0	7.1	---	---	---	6.7	6.0	6.3	---	---	---
18	7.6	6.9	7.1	---	---	---	---	---	---	---	---	---
19	7.2	6.9	7.0	---	---	---	---	---	---	---	---	---
20	7.4	6.9	7.0	---	---	---	---	---	---	---	---	---
21	7.4	6.9	7.0	---	---	---	---	---	---	---	---	---
22	7.4	6.7	7.0	---	---	---	6.4	5.9	6.1	---	---	---
23	7.0	6.5	6.6	---	---	---	6.5	5.9	6.2	---	---	---
24	6.9	6.4	6.6	---	---	---	6.7	6.2	6.5	---	---	---
25	7.3	6.5	6.8	---	---	---	7.2	6.7	7.0	---	---	---
26	8.0	6.7	7.3	---	---	---	7.7	7.2	7.5	---	---	---
27	8.2	7.2	7.4	---	---	---	7.7	7.5	7.6	---	---	---
28	8.2	7.2	7.5	---	---	---	9.0	7.7	8.3	---	---	---
29	---	---	---	---	---	---	9.0	8.1	8.4	---	---	---
30	---	---	---	---	---	---	9.0	8.0	8.3	---	---	---
31	---	---	---	---	---	---	8.0	7.2	7.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1991											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	10.0	9.0	9.4	---	---	---	---	---	---	---	---	---
9	10.0	9.0	9.3	---	---	---	---	---	---	---	---	---
10	10.1	9.1	9.5	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	10.1	8.3	9.2	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	8.8	7.5	7.9	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	7.4	7.1	7.3	6.8	6.6	6.7
2	---	---	---	---	---	---	7.3	6.9	7.2	7.0	6.5	6.7
3	---	---	---	---	---	---	7.3	6.9	7.1	6.7	6.5	6.6
4	---	---	---	---	---	---	7.3	6.9	7.1	6.8	6.5	6.6
5	---	---	---	---	---	---	7.2	6.9	7.0	6.8	6.7	6.8
6	---	---	---	---	---	---	7.2	6.8	7.0	6.8	6.6	6.7
7	---	---	---	---	---	---	7.2	6.6	6.9	6.8	6.5	6.6
8	---	---	---	---	---	---	6.7	6.4	6.5	7.1	6.7	6.8
9	---	---	---	---	---	---	6.8	6.5	6.7	6.9	6.7	6.8
10	---	---	---	8.5	7.5	8.0	6.9	6.6	6.7	6.9	6.7	6.8
11	---	---	---	8.5	7.7	8.2	6.8	6.5	6.6	7.0	6.3	6.7
12	---	---	---	10.7	8.3	9.4	6.8	6.5	6.7	6.5	6.2	6.4
13	---	---	---	10.7	8.7	9.4	6.7	6.4	6.5	6.5	6.3	6.4
14	---	---	---	10.7	8.6	9.3	6.6	6.4	6.5	6.5	6.1	6.3
15	---	---	---	8.7	7.8	8.1	6.7	6.5	6.6	6.8	6.1	6.4
16	---	---	---	8.3	7.8	8.0	6.7	6.5	6.6	6.6	6.2	6.4
17	---	---	---	8.4	7.9	8.1	6.7	6.4	6.5	6.4	5.9	6.1
18	---	---	---	8.4	7.6	8.0	6.8	6.5	6.6	6.3	5.8	6.0
19	---	---	---	8.0	7.6	7.8	6.6	6.4	6.5	6.4	6.2	6.3
20	---	---	---	8.2	7.4	7.8	6.6	6.4	6.5	6.4	6.2	6.3
21	---	---	---	8.1	7.6	7.8	6.6	6.4	6.5	6.7	6.1	6.3
22	---	---	---	8.0	7.5	7.7	6.6	6.4	6.5	6.9	6.3	6.6
23	---	---	---	8.0	7.4	7.6	6.7	6.5	6.6	6.4	6.2	6.3
24	---	---	---	8.0	7.4	7.7	6.7	6.4	6.6	6.5	6.2	6.4
25	---	---	---	7.8	7.2	7.5	6.9	6.4	6.7	6.5	6.3	6.4
26	---	---	---	10.5	7.7	8.9	6.7	6.4	6.5	6.6	6.4	6.5
27	---	---	---	10.1	8.0	8.8	6.7	6.5	6.6	6.6	6.3	6.5
28	---	---	---	10.1	8.1	8.8	6.7	6.5	6.6	6.7	6.3	6.5
29	---	---	---	8.1	7.1	7.4	6.7	6.4	6.6	7.5	6.5	6.8
30	---	---	---	7.7	7.0	7.4	6.6	6.4	6.5	6.7	6.4	6.6
31	---	---	---	7.4	6.8	7.2	6.7	6.5	6.6	---	---	---
MONTH	---	---	---	---	---	---	7.4	6.4	6.7	7.5	5.8	6.5

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.5	6.5	7.0	---	---	---	---	---	---	---	---	---
2	7.3	6.5	6.7	---	---	---	---	---	---	---	---	---
3	6.9	6.5	6.7	---	---	---	---	---	---	---	---	---
4	6.9	6.5	6.7	---	---	---	---	---	---	---	---	---
5	7.3	6.7	6.9	---	---	---	---	---	---	---	---	---
6	7.3	6.7	6.9	---	---	---	---	---	---	---	---	---
7	7.0	6.5	6.8	---	---	---	---	---	---	---	---	---
8	7.0	6.6	6.8	---	---	---	---	---	---	---	---	---
9	7.7	6.5	6.8	---	---	---	---	---	---	---	---	---
10	6.9	6.5	6.7	---	---	---	---	---	---	---	---	---
11	6.9	6.4	6.6	---	---	---	---	---	---	---	---	---
12	6.9	6.3	6.6	---	---	---	---	---	---	---	---	---
13	7.0	6.4	6.6	---	---	---	---	---	---	---	---	---
14	6.8	6.4	6.6	---	---	---	---	---	---	---	---	---
15	6.8	6.4	6.5	---	---	---	---	---	---	---	---	---
16	6.7	6.3	6.5	---	---	---	---	---	---	8.4	8.1	8.2
17	6.7	6.3	6.5	---	---	---	---	---	---	8.3	8.0	8.1
18	7.0	6.5	6.6	---	---	---	---	---	---	8.4	8.2	8.3
19	6.9	6.4	6.6	---	---	---	---	---	---	8.7	8.2	8.4
20	6.8	6.3	6.6	---	---	---	---	---	---	8.6	8.3	8.4
21	6.8	6.3	6.5	---	---	---	---	---	---	8.6	8.4	8.5
22	6.7	6.3	6.5	---	---	---	---	---	---	8.6	8.4	8.5
23	7.0	6.4	6.6	---	---	---	---	---	---	8.6	8.5	8.5
24	7.0	6.5	6.7	---	---	---	---	---	---	8.7	8.5	8.6
25	6.9	6.4	6.6	---	---	---	---	---	---	8.6	8.4	8.5
26	7.0	6.4	6.6	---	---	---	---	---	---	8.8	8.5	8.6
27	6.9	6.4	6.6	---	---	---	---	---	---	8.9	8.4	8.5
28	6.9	6.5	6.7	---	---	---	---	---	---	8.9	8.6	8.7
29	6.9	6.4	6.6	---	---	---	---	---	---	8.9	8.7	8.8
30	6.8	6.1	6.4	---	---	---	---	---	---	8.9	8.7	8.8
31	---	---	---	---	---	---	---	---	---	9.0	8.7	8.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.9	8.6	8.8	7.8	7.4	7.6	7.1	6.3	6.7	6.9	6.4	6.6
2	9.0	8.7	8.8	7.8	7.2	7.4	7.2	6.3	6.7	7.4	6.4	6.8
3	9.0	8.6	8.7	8.3	7.2	7.5	7.2	6.4	6.8	7.5	6.4	6.8
4	9.1	8.9	8.9	8.1	6.9	7.5	7.4	6.5	6.9	7.3	6.6	6.9
5	9.4	8.7	8.9	7.9	6.9	7.3	7.7	6.5	6.9	7.5	6.6	7.1
6	9.0	8.7	8.8	7.5	6.7	7.1	7.0	6.2	6.6	7.3	6.9	7.1
7	9.0	8.7	8.8	7.3	6.7	6.9	6.9	6.1	6.5	7.5	6.7	7.1
8	9.0	8.6	8.8	7.1	6.7	6.9	6.8	6.2	6.4	7.2	6.8	7.0
9	9.1	8.8	8.9	7.2	6.9	7.1	7.1	6.2	6.6	7.5	6.5	7.0
10	9.0	8.7	8.8	7.7	7.1	7.4	7.1	6.2	6.6	7.9	6.4	6.9
11	9.0	8.8	8.9	7.4	6.9	7.1	6.8	6.1	6.4	7.6	6.4	7.1
12	9.0	8.2	8.6	7.3	6.9	7.1	7.3	6.2	6.7	7.8	6.9	7.3
13	8.3	7.7	8.0	7.4	6.8	7.2	6.9	6.2	6.5	7.9	6.9	7.3
14	8.0	7.6	7.8	7.4	6.8	7.0	7.1	6.0	6.5	7.3	6.6	6.9
15	7.8	7.5	7.7	7.5	7.0	7.3	6.9	6.2	6.4	7.2	6.6	6.8
16	8.2	6.8	7.6	7.4	6.8	7.1	7.0	6.0	6.4	7.5	6.8	7.0
17	7.2	6.2	6.8	7.4	6.7	6.9	6.8	6.1	6.4	7.8	6.8	7.2
18	7.2	6.4	6.9	7.6	6.7	7.1	7.4	6.4	6.8	7.2	6.8	7.0
19	7.4	7.1	7.3	7.2	6.4	6.8	7.1	6.2	6.6	7.4	6.6	7.0
20	7.5	7.2	7.3	7.1	6.4	6.7	7.0	6.2	6.5	7.4	6.6	7.0
21	7.7	7.3	7.5	7.4	6.6	7.0	7.1	6.3	6.7	7.5	6.8	7.2
22	7.8	7.4	7.6	8.2	6.9	7.5	7.2	6.2	6.7	7.6	6.9	7.2
23	7.8	7.5	7.7	7.5	6.2	7.0	6.9	6.2	6.4	8.0	6.8	7.3
24	8.1	7.6	7.8	7.3	6.5	7.0	7.2	6.4	6.8	7.5	6.9	7.2
25	7.8	7.4	7.6	7.3	6.3	6.9	7.6	6.7	7.0	7.6	7.0	7.3
26	7.6	7.3	7.5	7.2	6.5	6.8	8.0	6.5	7.1	7.5	6.9	7.2
27	7.8	7.4	7.6	7.1	6.4	6.7	7.2	6.4	6.8	7.6	6.6	7.1
28	7.6	7.3	7.5	7.2	6.5	6.8	7.3	6.5	6.9	7.6	6.9	7.2
29	7.7	7.4	7.6	8.0	6.4	7.1	7.3	6.4	6.8	7.6	7.1	7.4
30	---	---	---	7.6	6.3	6.8	7.1	6.3	6.8	8.3	7.1	7.6
31	---	---	---	7.1	6.4	6.7	---	---	---	8.4	7.1	7.5
MONTH	9.4	6.2	8.1	8.3	6.2	7.1	8.0	6.0	6.7	8.4	6.4	7.1

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.6	7.0	7.3	7.0	6.7	6.9	6.9	6.6	6.7	6.9	6.3	6.6
2	7.6	6.9	7.2	7.1	6.5	6.8	7.0	6.6	6.8	6.8	6.3	6.5
3	7.3	6.8	7.0	7.4	7.0	7.2	7.0	6.6	6.7	6.7	6.2	6.5
4	7.3	6.9	7.1	7.2	6.8	7.0	7.1	6.5	6.8	6.6	6.3	6.4
5	7.5	6.8	7.1	7.0	6.7	6.8	7.1	6.6	6.8	6.8	6.4	6.6
6	7.6	6.9	7.2	7.0	6.7	6.8	7.0	6.5	6.7	7.0	6.5	6.7
7	7.6	7.0	7.3	6.9	6.6	6.8	6.9	6.7	6.8	7.0	6.3	6.6
8	7.4	7.0	7.2	7.1	6.8	7.0	7.0	6.7	6.9	6.5	6.2	6.4
9	7.3	6.8	7.1	7.2	6.8	7.1	7.0	6.8	6.9	6.6	6.3	6.4
10	7.6	6.9	7.3	7.2	6.8	7.0	7.1	6.5	6.9	6.8	6.4	6.6
11	7.3	7.0	7.2	7.2	6.8	7.0	7.1	6.5	6.8	7.0	6.5	6.7
12	7.4	6.9	7.1	7.3	6.9	7.0	7.0	6.6	6.8	7.1	6.7	6.9
13	7.5	6.9	7.2	7.1	6.8	7.0	7.0	6.6	6.8	7.3	6.7	6.9
14	7.9	7.0	7.4	7.4	7.0	7.2	6.8	6.5	6.6	7.0	6.6	6.8
15	7.9	6.9	7.2	7.3	6.7	7.0	7.0	6.7	6.8	6.9	6.6	6.7
16	7.9	6.7	7.2	6.9	6.5	6.7	7.2	6.8	7.0	7.0	6.6	6.8
17	7.1	6.7	6.9	6.9	6.7	6.8	7.2	6.7	6.9	6.9	6.6	6.7
18	7.3	6.8	7.1	6.9	6.6	6.8	6.9	6.6	6.8	7.0	6.7	6.8
19	7.3	6.7	6.9	7.3	6.7	6.9	6.9	6.6	6.8	7.3	6.7	6.9
20	7.1	6.5	6.8	7.0	6.5	6.8	6.9	6.4	6.7	7.3	6.7	7.0
21	7.4	6.7	6.9	7.0	6.7	6.8	6.7	6.5	6.6	7.0	6.7	6.8
22	7.0	6.5	6.7	6.9	6.6	6.8	6.9	6.3	6.6	6.9	6.6	6.7
23	6.9	6.5	6.7	6.9	6.7	6.8	7.1	6.4	6.8	6.9	6.5	6.7
24	7.2	6.7	6.9	6.9	6.5	6.7	6.8	6.5	6.7	6.8	6.5	6.6
25	7.1	6.6	6.9	6.8	6.4	6.6	6.9	6.5	6.6	7.2	6.5	6.7
26	7.3	6.7	6.9	7.0	6.5	6.7	6.9	6.3	6.6	7.3	6.7	6.9
27	7.1	6.6	6.9	6.9	6.5	6.7	6.6	6.3	6.5	7.2	6.7	6.9
28	7.2	6.7	6.9	6.8	6.6	6.7	7.2	6.3	6.6	6.8	6.4	6.5
29	7.0	6.6	6.8	6.8	6.6	6.7	6.9	6.3	6.5	6.8	6.4	6.6
30	7.1	6.6	6.8	7.0	6.7	6.8	6.8	6.4	6.5	6.6	6.3	6.4
31	---	---	---	7.0	6.7	6.8	7.0	6.3	6.5	---	---	---
MONTH	7.9	6.5	7.0	7.4	6.4	6.9	7.2	6.3	6.7	7.3	6.2	6.7

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.0	6.6	6.7	---	---	---	---	---	---	8.4	8.0	8.2
2	7.1	6.7	6.8	---	---	---	---	---	---	8.1	7.8	8.0
3	7.5	6.5	6.9	---	---	---	7.0	6.5	6.7	8.1	7.5	7.9
4	7.3	6.6	6.9	---	---	---	6.9	6.5	6.7	8.1	7.5	7.8
5	7.2	6.7	6.9	---	---	---	6.9	6.7	6.8	8.0	7.6	7.8
6	7.5	6.8	7.1	---	---	---	7.0	6.8	6.9	8.2	7.7	7.8
7	7.6	6.6	7.0	---	---	---	7.1	6.8	7.0	8.2	7.8	8.0
8	7.6	6.8	7.1	---	---	---	7.3	6.8	7.0	8.4	8.1	8.2
9	---	---	---	---	---	---	7.3	7.0	7.1	8.5	8.2	8.3
10	---	---	---	---	---	---	7.4	7.1	7.3	8.5	8.1	8.4
11	---	---	---	---	---	---	7.2	6.8	7.0	8.6	7.6	8.1
12	---	---	---	---	---	---	7.1	6.7	6.8	7.9	6.9	7.5
13	---	---	---	---	---	---	7.1	6.8	6.9	7.9	7.2	7.6
14	---	---	---	---	---	---	7.3	7.0	7.2	8.0	7.6	7.8
15	---	---	---	---	---	---	7.3	7.1	7.2	8.2	7.9	8.0
16	---	---	---	---	---	---	7.4	7.1	7.2	8.5	8.2	8.3
17	---	---	---	---	---	---	7.4	7.1	7.2	8.7	8.4	8.5
18	---	---	---	---	---	---	7.4	7.1	7.2	8.5	8.2	8.3
19	---	---	---	---	---	---	7.5	7.1	7.3	8.7	7.9	8.2
20	---	---	---	---	---	---	7.5	7.2	7.4	8.2	7.8	8.0
21	---	---	---	---	---	---	7.6	7.3	7.4	8.4	7.7	8.0
22	---	---	---	---	---	---	7.9	7.5	7.7	8.4	7.9	8.1
23	---	---	---	---	---	---	7.9	7.6	7.8	8.2	7.8	8.0
24	---	---	---	---	---	---	8.0	7.7	7.8	8.1	7.7	7.8
25	---	---	---	---	---	---	8.0	7.7	7.9	7.9	7.6	7.7
26	---	---	---	---	---	---	8.0	7.6	7.8	7.9	7.7	7.8
27	---	---	---	---	---	---	8.2	7.7	7.9	8.3	7.9	8.0
28	---	---	---	---	---	---	8.3	7.7	7.9	8.3	8.1	8.2
29	---	---	---	---	---	---	8.2	7.8	8.0	8.6	8.1	8.3
30	---	---	---	---	---	---	8.2	8.0	8.1	8.8	8.4	8.5
31	---	---	---	---	---	---	8.3	8.1	8.2	8.9	8.5	8.7
MONTH	---	---	---	---	---	---	---	---	---	8.9	6.9	8.1

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1990–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.9	8.4	8.6	8.3	7.5	7.9	---	---	---	---	---	---
2	8.8	8.3	8.5	7.9	7.3	7.6	---	---	---	---	---	---
3	8.8	8.4	8.6	8.0	7.2	7.6	---	---	---	---	---	---
4	8.7	8.2	8.5	8.0	7.4	7.7	---	---	---	---	---	---
5	8.5	8.0	8.2	7.9	7.2	7.6	---	---	---	---	---	---
6	8.1	7.8	7.9	---	---	---	---	---	---	---	---	---
7	8.2	7.9	8.1	7.9	7.4	7.6	---	---	---	---	---	---
8	8.5	8.1	8.2	7.8	7.3	7.6	---	---	---	---	---	---
9	8.8	8.3	8.5	7.8	7.4	7.6	---	---	---	---	---	---
10	8.9	8.4	8.7	7.9	7.3	7.6	---	---	---	---	---	---
11	8.8	8.5	8.7	7.8	7.0	7.5	---	---	---	---	---	---
12	8.8	8.3	8.5	7.9	7.0	7.4	---	---	---	---	---	---
13	8.4	7.9	8.2	7.8	7.1	7.4	---	---	---	---	---	---
14	8.2	7.7	7.9	7.8	7.0	7.4	---	---	---	---	---	---
15	8.1	7.4	7.8	7.5	6.9	7.2	---	---	---	---	---	---
16	7.8	7.1	7.5	7.9	7.0	7.3	---	---	---	---	---	---
17	7.9	7.2	7.6	7.6	7.0	7.2	---	---	---	---	---	---
18	8.0	7.5	7.8	---	---	---	---	---	---	---	---	---
19	7.8	7.4	7.7	---	---	---	---	---	---	---	---	---
20	7.7	6.6	7.4	---	---	---	---	---	---	---	---	---
21	7.6	6.7	7.1	---	---	---	---	---	---	---	---	---
22	7.6	6.7	7.1	---	---	---	---	---	---	---	---	---
23	7.8	6.7	7.3	---	---	---	---	---	---	---	---	---
24	7.8	7.0	7.4	---	---	---	---	---	---	---	---	---
25	7.8	6.9	7.2	---	---	---	---	---	---	---	---	---
26	7.7	6.9	7.3	---	---	---	---	---	---	---	---	---
27	7.8	7.3	7.5	---	---	---	---	---	---	---	---	---
28	8.1	7.3	7.7	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	8.9	6.6	7.9	---	---	---	---	---	---	---	---	---

Table 2. 09379910, Colorado River below Glen Canyon Dam, Arizona, water years 1989–93—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT												
05...	1820	18200	35.00	872	804	7.8	8.0	--	8.0	1.2	683	6.8
06...	1230	5220	29.97	--	--	--	--	--	9.5	--	687	10.6
06...	1315	5240	29.98	803	791	8.2	8.1	23.5	9.5	0.20	687	10.6
06...	1600	5250	29.99	--	--	--	--	--	11.0	--	686	9.9
06...	1900	5200	29.96	--	--	--	--	--	8.0	--	685	7.0
07...	0915	5180	29.95	789	796	8.2	7.9	--	8.0	0.30	690	8.5
07...	1130	5160	29.94	--	--	--	--	14.0	8.0	--	688	8.6
07...	1500	5160	29.94	802	--	8.2	--	24.0	10.0	--	688	10.5
07...	1615	5160	29.94	--	--	--	--	19.5	9.0	--	688	10.0
07...	1810	5160	29.94	802	--	8.2	--	11.5	8.0	--	688	7.7
08...	0930	5180	29.95	803	818	8.1	8.0	12.5	8.0	0.20	691	8.4
08...	1200	5180	29.95	--	--	--	--	13.0	8.0	--	689	8.4
08...	1350	5180	29.95	805	--	8.1	--	24.5	9.5	--	685	9.9
08...	1545	5180	29.95	--	--	--	--	--	9.0	--	687	10.1
08...	1745	5180	29.95	829	--	8.1	--	13.0	8.0	--	686	8.0
09...	0945	5180	29.95	801	809	8.1	7.9	9.0	8.0	0.20	690	8.0
09...	1150	5180	29.95	--	--	--	--	13.5	8.0	--	689	8.6
09...	1610	5180	29.95	--	--	--	--	22.0	9.0	--	687	9.9
09...	1630	5180	29.95	798	--	8.1	--	21.0	9.0	--	687	9.4
09...	1945	5180	29.95	795	--	8.1	--	11.5	8.0	--	687	7.1
10...	0915	11000	32.55	--	--	--	--	9.0	8.0	--	689	7.2
10...	1345	15500	34.14	805	803	8.1	8.0	22.0	8.0	0.20	686	6.9

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (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 WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT												
05...	64	260	65	23	66	2.9	168	138	134	220	40	0.30
06...	102	--	--	--	--	--	--	--	--	--	--	--
06...	102	260	65	23	63	2.9	171	140	133	220	39	0.30
06...	100	--	--	--	--	--	--	--	--	--	--	--
06...	66	--	--	--	--	--	--	--	--	--	--	--
07...	79	260	65	23	65	3.1	171	140	133	220	41	0.30
07...	80	--	--	--	--	--	--	--	--	--	--	--
07...	103	--	--	--	--	--	--	--	--	--	--	--
07...	96	--	--	--	--	--	--	--	--	--	--	--
07...	72	--	--	--	--	--	--	--	--	--	--	--
08...	78	260	66	24	67	3.0	170	139	135	220	41	0.30
08...	79	--	--	--	--	--	--	--	--	--	--	--
08...	98	--	--	--	--	--	--	--	--	--	--	--
08...	98	--	--	--	--	--	--	--	--	--	--	--
08...	75	--	--	--	--	--	--	--	--	--	--	--
09...	75	260	66	24	67	3.0	164	134	134	220	41	0.30
09...	80	--	--	--	--	--	--	--	--	--	--	--
09...	95	--	--	--	--	--	--	--	--	--	--	--
09...	90	--	--	--	--	--	--	--	--	--	--	--
09...	66	--	--	--	--	--	--	--	--	--	--	--
10...	67	--	--	--	--	--	--	--	--	--	--	--
10...	65	260	65	23	67	2.9	165	135	133	220	41	0.30

Table 2. 09379910 Colorado River below Glen Canyon Dam, Arizona, water years 1989–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
OCT											
05...	8.6	521	510	0.400	<0.010	0.400	0.020	0.020	0.18	0.20	0.60
06...	--	--	--	--	--	--	--	--	--	--	--
06...	8.5	511	507	0.340	<0.010	0.340	0.010	0.010	0.39	0.40	0.74
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
07...	8.6	514	512	0.400	<0.010	0.400	0.010	0.010	0.19	0.20	0.60
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	0.400	<0.010	0.400	0.020	0.010	0.18	0.20	0.60
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	0.400	<0.010	0.400	0.010	<0.010	0.19	0.20	0.60
08...	8.6	528	515	0.400	<0.010	0.400	0.020	0.010	0.18	0.20	0.60
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	0.400	<0.010	0.400	0.010	0.010	0.29	0.30	0.70
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	0.400	<0.010	0.400	0.010	<0.010	0.19	0.20	0.60
09...	8.6	503	512	0.350	<0.010	0.350	0.010	0.010	--	<0.20	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	0.400	<0.010	0.400	0.010	0.010	--	<0.20	--
09...	--	--	--	0.400	<0.010	0.400	0.010	0.010	0.29	0.30	0.70
10...	--	--	--	--	--	--	--	--	--	--	--
10...	8.6	518	511	0.400	<0.010	0.400	0.010	<0.010	0.19	0.20	0.60

DATE	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
05...	2.7	0.020	--	0.010	<0.010	<0.010	--	2.7	8	393	88
06...	--	--	--	--	--	--	--	--	--	--	--
06...	3.3	<0.010	--	<0.010	<0.010	<0.010	--	3.0	3	42	41
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
07...	2.7	<0.010	0.03	<0.010	0.010	<0.010	--	2.7	2	28	42
07...	--	--	--	--	--	--	--	--	--	--	--
07...	2.7	<0.010	0.06	<0.010	0.020	0.010	0.03	2.7	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	2.7	<0.010	0.03	<0.010	0.010	<0.010	--	2.7	--	--	--
08...	2.7	0.010	--	0.030	<0.010	<0.010	--	3.0	1	14	88
08...	--	--	--	--	--	--	--	--	--	--	--
08...	3.1	<0.010	0.03	<0.010	0.010	<0.010	--	2.7	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	2.7	<0.010	0.03	<0.010	0.010	<0.010	--	2.6	--	--	--
09...	--	<0.010	--	<0.010	<0.010	<0.010	--	2.7	1	14	71
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	<0.010	--	<0.010	<0.010	<0.010	--	2.9	--	--	--
09...	3.1	<0.010	--	<0.010	<0.010	<0.010	--	2.8	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	2.7	<0.010	--	<0.010	<0.010	<0.010	--	2.8	0	0.0	71

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95

STATION DESCRIPTION

LOCATION—Lat 36°51'53", long 111°35'15", in NE1/4, SE1/4, sec. 13, T.40 N., R.7 E., Coconino County, Hydrologic Unit 14070006, in Navajo Indian Reservation, on left bank at head of Marble Gorge at Lees Ferry, just upstream from Paria River, 16 mi downstream from Glen Canyon Dam, 28 mi downstream from Utah-Arizona State line, and 61.5 mi upstream from Little Colorado River.

DRAINAGE AREA—Approximately 111,800 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—January 1895 to current year. Estimates of monthly and annual discharge only for some periods, published in WSP 1313.

GAGE—Water-stage recorder. Datum of gage is 3,106.16 ft above sea level. Prior to January 19, 1923, nonrecording gages or reference points within 400 ft of present gage, at different datums.

REMARKS—No estimated daily discharge. Records good. Flow regulated since March 13, 1963, by Lake Powell, 16 mi upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial use. No diversions or inflow between Lake Powell and the gage.

EXTREMES FOR PERIOD OF RECORD—1895–1962: Maximum discharge, 220,000 ft^3/s, June 18, 1921; gage height, 26.5 ft, from floodmarks and from rating curve extended above 120,000 ft^3/s on basis of discharge computed for station near Grand Canyon; minimum daily discharge, 750 ft^3/s, December 27, 1924.

1963–93: Maximum discharge, 97,300 ft^3/s, June 29, 1983, gage height, 18.14 ft; minimum daily discharge, 700 ft^3/s, January 23 and 24, 1963, was the result of closure of coffer dam at Glen Canyon Dam.

EXTREMES OUTSIDE PERIOD OF RECORD—Maximum discharge since at least 1868, about 300,000 ft^3/s, July 7, 1884, gage height, 31.5 ft, present site and datum from floodmark at mouth of Paria River and from rating curve extended above 120,000 ft^3/s on basis of discharge computed for flood of June 18, 1921, for station near Grand Canyon.

EXTREMES FOR DATA PERIOD—Maximum discharge, 29,500 ft^3/s, July 31, 1990, and June 17, 1991, gage height, 11.95 ft; minimum daily discharge, 3,040 ft^3/s, October 29, 1989.

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5090	11100	10000	7430	9090	15300	5920	9210	5710	4810	16500	13700
2	10200	13500	6660	11300	11900	12800	9390	10600	4850	14100	15800	8060
3	9360	12100	4160	15700	8340	9600	9820	8960	4850	14900	16500	8300
4	7550	6680	6160	15800	6990	8690	10100	9560	4860	14900	13600	13100
5	9690	4780	7620	12000	9470	14200	10600	8700	13200	14900	12300	14200
6	6060	9920	8430	14900	9600	16400	8750	9760	12400	14900	16900	16200
7	4930	11400	10800	8890	9570	12600	6380	15000	14200	14900	17300	17800
8	4920	11700	11500	12800	11300	10700	5020	12100	15000	14900	17900	15700
9	4920	10900	9240	11900	11700	10500	9060	11100	9630	14900	18400	12000
10	9130	8820	7440	12600	6050	5230	11600	12700	9510	14900	18400	14700
11	10900	6590	14600	11100	4490	4200	14800	11700	13700	14900	14900	12200
12	13300	5530	14700	12100	7480	8520	15000	10300	14000	14900	10900	12100
13	13800	13200	14500	9300	8500	10500	11000	6770	15000	5590	16300	12900
14	8230	12600	14500	6730	14600	12200	7910	11300	14100	4790	16900	6090
15	4120	11800	14200	10500	15800	11300	7590	12000	14800	4780	14800	4800
16	13400	11500	11700	14400	13700	10200	12400	12300	10000	14600	17400	4800
17	15900	12500	7680	12500	9790	8140	14000	13000	9920	15300	17800	14100
18	15000	7560	12100	15700	8140	3500	10700	11000	17000	15300	13900	14400
19	10500	7330	12800	14300	9900	10200	11000	5990	17600	15300	10600	14400
20	11200	10100	12200	12300	13100	11500	10800	4020	16400	15400	16200	14300
21	6660	10800	14000	6610	13100	9060	8390	8100	16500	15400	18200	14400
22	6990	9460	14600	13300	11500	11700	5750	10600	17400	15400	17500	14400
23	10200	4680	8930	12500	11100	16500	8090	13200	17400	15400	18800	14400
24	11000	7500	6730	11300	9990	6810	9530	14100	14500	15400	18800	14400
25	10200	7090	5120	8640	7120	4730	10700	11600	12300	15400	13900	14400
26	10600	5240	8350	8420	12700	7290	10100	8900	20000	15400	8950	14400
27	9510	11500	10300	9220	16800	9630	10100	5970	17500	5500	15300	14400
28	5770	13300	12900	6240	17200	12100	10100	8050	15300	4820	17200	5100
29	3040	12700	12900	9510	---	14300	9860	9560	6250	4760	17400	4820
30	6220	11000	12200	11100	---	14200	10800	10500	4810	14800	15800	4800
31	7730	---	7810	8710	---	10200	---	10600	---	17800	15900	---
TOTAL	276120	292880	324830	347800	299020	322800	295260	317250	378690	399050	491050	359370
MEAN	8907	9763	10480	11220	10680	10410	9842	10230	12620	12870	15840	11980
MAX	15900	13500	14700	15800	17200	16500	15000	15000	20000	17800	18800	17800
MIN	3040	4680	4160	6240	4490	3500	5020	4020	4810	4760	8950	4800
AC-FT	547700	580900	644300	689900	593100	640300	585600	629300	751100	791500	974000	712800

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1989	4041990	11070	19900	3040	8017000
WY 1990	4104120	11240	20000	3040	8141000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8330	8150	8090	14400	10200	10400	9940	9840	4950	17300	14900	9830
2	8420	6680	6370	14300	10200	8770	12200	9200	5050	18200	14300	9240
3	8350	6710	10800	14400	10200	5430	10500	5790	12000	18300	14100	14100
4	8390	3630	10800	14400	10200	9570	10900	5180	10000	18300	13900	14500
5	8380	7360	10300	14400	10200	9660	8470	5390	12300	18300	14500	14500
6	8420	7630	10600	14400	10200	10100	9640	14700	12400	18300	14400	14600
7	8410	8390	11500	14400	10200	10300	7330	15200	15300	18300	14500	13200
8	8430	10100	8590	14300	5450	9210	9330	15200	12000	18300	14700	9240
9	8430	5710	6970	14400	4870	8030	10900	15200	10400	18300	14500	14000
10	8400	5040	11000	14400	4890	4340	11100	15200	16600	18300	13900	14300
11	8420	5030	11600	6080	10200	10300	13500	15200	16600	18300	13900	14000
12	5070	7440	11600	4900	13000	11700	12300	15200	17100	5910	14500	14200
13	4970	9650	11700	4920	12000	10400	10400	15200	17000	5010	14900	14300
14	4080	10000	6160	10500	12000	11800	7270	15200	17100	5010	14900	13300
15	7550	10400	4990	10600	12700	12000	10600	15200	11500	16100	14900	9240
16	7970	11300	4990	10700	11900	9900	8810	15200	12300	17000	14900	14200
17	7980	8650	9820	11400	10700	6540	9590	5300	19600	17000	14500	14500
18	8000	5510	10900	12700	14300	11400	10200	5090	19300	17000	12400	14100
19	8010	11100	10800	9070	16100	10900	5680	5090	19300	17000	14900	14100
20	7950	10500	10900	8620	15500	10900	5120	13800	18600	17000	14900	14400
21	7980	12100	10800	10600	13400	12100	5130	15000	17400	17000	15100	13700
22	8010	8990	10900	11300	13500	11300	8890	15000	14300	17000	15000	9910
23	8010	8410	10900	14200	11900	10900	10300	15000	9150	17100	14900	14200
24	8030	7740	10900	15400	7890	6680	8830	15000	14600	17000	14700	14900
25	8010	6440	10900	6360	11600	12300	11600	15000	17400	17000	10600	15000
26	5470	10100	10900	4850	9560	13500	8330	15000	17100	5860	14800	14700
27	5000	11200	10900	4860	7020	11800	5920	15000	17200	4980	15000	15000
28	5010	9620	5990	9570	7580	10500	4270	15000	6280	4980	15000	14600
29	6210	9040	4950	10200	---	7140	9660	15000	5020	14400	15000	9980
30	7130	7900	4930	10200	---	5160	13300	15000	5010	17600	14900	12600
31	6170	---	13200	10200	---	4610	---	6310	---	18000	14600	---
TOTAL	228990	250520	293750	341030	297460	297640	280010	387690	402860	468150	448000	398440
MEAN	7387	8351	9476	11000	10620	9601	9334	12510	13430	15100	14450	13280
MAX	8430	12100	13200	15400	16100	13500	13500	15200	19600	18300	15100	15000
MIN	4080	3630	4930	4850	4870	4340	4270	5090	4950	4980	10600	9240
AC-FT	454200	496900	582700	676400	590000	590400	555400	769000	799100	928600	888600	790300

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	3983550	10910	20000	3500	7901000
WY 1991	4094540	11220	19600	3630	8122000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9430	9700	9410	9920	10800	8820	9750	10200	9650	14600	14600	12500
2	9250	9520	11300	13100	8990	9910	10100	9380	11400	14800	11600	12700
3	9050	8470	11500	13400	11600	10200	9990	8380	11700	11800	14700	12300
4	9310	9980	11500	12000	11800	9930	9830	10400	11600	10700	15000	12200
5	7330	10100	11500	9970	11700	9730	8300	10500	11500	10800	14600	10400
6	7550	10000	11500	13000	11800	9660	9940	10500	10700	14500	14700	8970
7	9300	9950	10800	13400	11800	9430	10100	10400	8830	14700	14600	9850
8	9160	10100	9730	13300	10900	8940	10100	10500	11000	15100	14000	12300
9	9330	9180	11200	13500	9150	10200	10300	9500	10800	14900	11200	12700
10	9300	8310	11500	13500	11400	10300	10500	8720	11500	15000	14500	13000
11	9200	9680	11500	12800	11700	9780	10100	9980	11600	14700	14700	13000
12	7610	10100	11500	10600	11900	10200	8180	10400	11500	12800	14900	11200
13	7670	10200	11600	13200	12000	10000	9990	10600	10200	14600	14700	9360
14	8960	10100	10800	13400	11900	9460	10200	10400	8420	14200	15100	12100
15	9130	10300	9580	13500	11000	8740	10100	10300	11200	14500	14600	11900
16	9000	9530	11300	13400	9110	10200	9980	9590	11300	14400	12200	12500
17	9950	8350	11400	13500	11600	10500	9970	8500	11100	14700	14700	12200
18	9070	10100	11600	12800	11800	10300	9130	10100	11300	14000	14900	12000
19	8040	10300	11600	10800	11700	10200	7840	10200	11400	10500	14700	10900
20	7750	10100	11700	13600	11700	10200	9890	10000	10500	14300	14400	9480
21	8780	10100	11100	14000	11700	9470	10400	9890	8560	14500	14100	11500
22	9270	10100	9900	14100	11000	8700	10300	9920	11500	14600	13200	12200
23	8910	9400	11300	14400	9030	10100	10400	9110	12100	14700	11000	12100
24	8940	8610	11600	13700	11300	9900	10200	8280	11900	14300	12900	12100
25	8630	10000	9700	13000	11700	10100	8440	8090	12000	13100	12100	11900
26	8630	10100	11400	10800	11700	9770	6910	9480	11700	10100	12800	10300
27	7790	10100	11600	13000	10900	9610	9110	9530	12300	13700	12800	9290
28	8550	8720	11100	13000	10700	9110	9150	9230	10800	14100	12600	11300
29	8630	9960	9790	12700	9810	8280	9090	8890	12700	14500	13200	11100
30	9170	9420	11400	12400	---	9050	9420	7320	13400	14600	11100	11100
31	9370	---	11700	11800	---	8350	---	6310	---	14100	12600	---
TOTAL	272060	290580	343110	395590	322190	299140	287710	294600	334160	427900	422800	344450
MEAN	8776	9686	11070	12760	11110	9650	9590	9503	11140	13800	13640	11480
MAX	9950	10300	11700	14400	12000	10500	10500	10600	13400	15100	15100	13000
MIN	7330	8310	9410	9920	8990	8280	6910	6310	8420	10100	11000	8970
AC-FT	539600	576400	680600	784700	639100	593300	570700	584300	662800	848700	838600	683200

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4227030	11580	19600	4270	8384000
WY 1992	4034290	11020	15100	6310	8002000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9170	8350	11200	10600	12400	9910	9870	8870	9740	14500	14300	12800
2	8810	10100	11400	12000	12000	9780	10000	7470	10100	14800	16000	12300
3	8130	10100	11200	11400	12200	9890	9010	10100	9540	13200	16200	12000
4	7550	9660	11600	12900	11800	9980	7690	10700	9990	10800	16300	11100
5	8970	9890	11000	12900	12500	9660	9960	10800	7800	11100	16200	9720
6	9300	9940	10400	13500	11100	9670	10300	10700	7240	14600	16100	9990
7	8560	9650	11400	13100	9910	8660	10300	11300	9510	14700	15800	11900
8	9540	8480	11300	13100	11300	9710	10100	9060	9310	14700	14700	11900
9	9060	9950	11600	11900	11600	9880	9740	7830	9760	15000	16300	11900
10	7980	10100	11600	11500	11700	9940	8740	10300	10600	14600	16200	11800
11	7930	10000	11500	13300	11500	9980	7720	11000	10800	12600	16200	10800
12	8120	10200	11000	13600	11200	10200	10200	10800	9420	14900	16200	8640
13	9350	10500	10200	13200	11100	9940	10600	11100	8210	15200	16800	11400
14	9540	9780	11400	12900	10100	9160	10900	10900	9830	15100	16600	11700
15	9480	8820	11900	13300	11500	10100	10400	9070	10700	14900	15900	11700
16	9160	10100	11900	12200	11300	11000	11200	7760	11200	14900	17300	11600
17	7800	10100	11600	11100	11900	10900	10500	10100	11600	14400	15900	11600
18	7590	10000	11100	13000	11900	10600	9960	10500	11600	12400	15300	10400
19	8950	10300	10600	13500	11800	10200	10800	10200	10500	15000	14700	8660
20	9180	10400	9990	14000	11000	9830	11000	10000	10300	15500	14300	11300
21	9380	9970	11200	13700	9640	8680	11000	9720	10600	15500	13900	11500
22	9370	8540	11100	13700	11800	9790	10500	9120	10800	15400	12900	11900
23	9570	10200	10700	12200	11900	9840	10600	9530	11800	15400	14100	11700
24	8030	10200	10600	11500	11900	9490	9020	10700	11000	14400	14300	11700
25	7650	10600	10100	13600	12000	9750	7970	8340	10900	13100	14300	10100
26	8710	9030	10700	13700	12400	9640	10100	10000	10800	15400	14300	8420
27	8320	10200	10000	13200	11000	9220	10200	9570	10100	16000	14100	11100
28	8370	10000	10900	13400	11500	8250	9870	9120	11500	16100	13700	11400
29	8570	8980	10900	13400	---	9010	10400	8090	12000	16100	11300	11200
30	9220	10300	11200	12400	---	9400	10000	8050	12100	16100	14000	11100
31	8720	---	10900	11400	---	9280	---	8080	---	15500	13500	---
TOTAL	270080	294440	342190	395200	321950	301340	298650	298880	309350	451900	467700	333330
MEAN	8712	9815	11040	12750	11500	9721	9955	9641	10310	14580	15090	11110
MAX	9570	10600	11900	14000	12500	11000	11200	11300	12100	16100	17300	12800
MIN	7550	8350	9990	10600	9640	8250	7690	7470	7240	10800	11300	8420
AC-FT	535700	584000	678700	783900	638600	597700	592400	592800	613600	896300	927700	661200

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4035250	11030	15100	6310	8004000
WY 1993	4085010	11190	17300	7240	8103000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9830	9830	11500	12200	12900	10400	9630	7750	10200	14400	15000	11900
2	8100	12300	13300	10600	12700	10100	8580	9830	10500	13500	15200	11900
3	7630	12700	13400	13800	13200	10300	8040	10100	10100	11100	15100	10000
4	8840	12100	12300	13700	13100	10000	9410	10600	8160	10600	15200	9510
5	8960	12000	11600	14100	11800	9830	10400	10700	7740	14600	15200	9530
6	9000	9890	13700	14300	10300	8720	10400	10600	9560	14700	13500	11600
7	8910	8430	13200	14900	13200	9790	10600	8730	9940	14600	12400	11500
8	8680	12000	13800	12700	13900	9990	10700	7600	10300	14300	14800	11600
9	8510	12500	13400	10900	13800	9980	10100	9860	10500	13000	15600	11800
10	7960	11600	13000	14500	13500	10000	9190	10700	10400	11100	15500	10000
11	8740	11500	11600	14700	13500	10300	10800	10700	9860	14700	14900	8890
12	9110	11200	10900	14500	11700	9870	11000	10900	9220	15300	15300	10800
13	9010	9690	13300	14900	9840	9600	10900	11100	11500	14700	13100	11100
14	9170	8920	14000	14600	12800	10300	10900	10500	11500	14900	11300	11200
15	8940	10500	14000	12500	13400	10300	11700	11000	11400	15300	15300	11000
16	8010	10800	14700	10300	13600	10400	10500	10800	11300	13400	15600	11100
17	7710	10700	14300	13500	12900	10400	9580	11000	11200	12500	15200	9490
18	8960	10300	13400	13800	13200	10400	11900	11300	9620	14600	15800	8700
19	8980	10700	12700	14200	12000	10200	12400	11300	8800	14800	14800	11000
20	8790	9090	14300	14100	9760	9260	12300	10800	11700	14300	12800	11300
21	8920	8090	13700	12600	12600	10500	11600	8320	12200	15000	12300	11300
22	9380	10100	13800	10700	13300	11000	11200	7750	11500	14500	13900	10900
23	8190	10300	14000	9610	13000	10900	9650	10800	11300	12900	13700	11000
24	7780	10200	12500	12100	13100	10900	8690	10900	11600	11000	14200	9410
25	9170	8540	11200	12900	12900	10500	11000	10100	10200	14300	14200	8490
26	9340	9260	11500	13300	11400	9650	11300	9840	9790	15100	14300	11000
27	8710	8720	13400	13600	9680	8690	11300	9650	10800	15200	12400	11000
28	8570	7770	13200	13400	12700	10300	11300	8400	11500	15800	10800	11100
29	8560	9640	11800	11300	---	10200	11000	8150	12400	15400	14200	10900
30	8840	10100	12500	10700	---	9530	9550	8150	14100	13500	14400	10800
31	7280	---	11200	14600	---	9890	---	10300	---	11900	14400	---
TOTAL	268580	309470	401200	403610	349780	312200	315620	308230	318890	431000	440400	319820
MEAN	8664	10320	12940	13020	12490	10070	10520	9943	10630	13900	14210	10660
MAX	9830	12700	14700	14900	13900	11000	12400	11300	14100	15800	15800	11900
MIN	7280	7770	10900	9610	9680	8690	8040	7600	7740	10600	10800	8490
AC-FT	532700	613800	795800	800600	693800	619200	626000	611400	632500	854900	873500	634400

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1993	4157550	11390	17300	7240	8246000
WY 1994	4178800	11450	15800	7280	8289000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8150	8180	10300	8960	11500	11000	8800	10900	17300	15400	18600	18200
2	8160	7920	11400	8920	10100	10700	8610	10900	17200	14600	18600	17600
3	8460	8160	10600	12100	10500	10500	10500	10800	15600	16600	19000	17000
4	8670	8780	9360	13000	9850	9710	10600	10700	15300	15600	19300	16600
5	8330	7750	12000	14100	9100	8860	11100	10700	16700	16200	19400	18300
6	8150	7660	12300	14300	10700	9890	10800	9390	16900	16700	19400	18200
7	8610	8820	12200	13000	10800	9210	10900	8420	16900	17000	19400	18300
8	7940	8610	12500	12000	10900	9330	8800	11100	16900	17200	19200	17800
9	8010	8320	12200	13400	11000	9080	8500	11000	17100	16000	19100	17300
10	9450	8490	10500	13400	11400	9280	11300	11100	15500	16800	19000	17500
11	9500	9050	9860	13400	11300	8590	11500	11000	15100	17400	18400	18700
12	8730	7480	12000	13300	10100	8310	11700	11300	16500	18100	18400	18300
13	8910	7190	12200	12800	13000	9840	11700	8750	16600	17900	18600	18000
14	8370	8890	12400	11600	13900	9980	11800	8820	16700	17400	18600	18500
15	7290	8910	12600	10400	13400	10000	10000	10800	17000	17100	18600	18000
16	7220	9050	12200	13200	13900	10200	8370	11300	16800	17100	18600	18000
17	8560	9410	10800	13700	13300	10400	11400	10900	15800	18000	18500	17700
18	9040	8680	9350	13200	12400	8910	11600	11500	15500	18500	18400	18200
19	8990	8130	11400	12500	10400	9270	11800	11300	16600	18400	18200	18000
20	8500	7940	11800	12100	12300	10300	11600	8870	16700	17800	18300	18800
21	7770	8640	10700	12200	13000	10600	11600	8240	16900	17600	18000	18900
22	7710	8760	10900	11600	13100	10600	9530	10600	16600	17600	17700	18500
23	7620	8870	10800	12500	12700	10300	8520	9930	17100	17000	17400	19000
24	8440	7750	10600	13000	12100	9950	11300	10200	16900	18100	17900	18700
25	7350	8600	8770	13100	11600	9480	12000	9860	17100	18400	17800	18200
26	6840	8370	8910	13300	10900	8990	12000	9700	17000	18300	16600	18700
27	7490	7900	10700	12800	13200	10500	11600	8210	16700	18700	15000	19700
28	7710	9020	11000	11600	13400	10500	11500	8080	16500	18900	17000	18800
29	7410	8890	10400	9580	---	10300	10400	8060	15700	19100	18100	18600
30	8080	9260	11800	10200	---	10300	9530	9760	15700	19000	17600	19000
31	7860	---	10600	12100	---	9910	---	12900	---	19000	17500	---
TOTAL	253320	253480	343150	381360	329850	304790	319360	315090	494900	541500	566200	547100
MEAN	8172	8449	11070	12300	11780	9832	10650	10160	16500	17470	18260	18240
MAX	9500	9410	12600	14300	13900	11000	12000	12900	17300	19100	19400	19700
MIN	6840	7190	8770	8920	9100	8310	8370	8060	15100	14600	15000	16600
AC-FT	502500	502800	680600	756400	654300	604600	633500	625000	981600	1074000	1123000	1085000

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	4049500	11090	15800	6840	8032000
WY 1995	4650100	12740	19700	6840	9223000

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—January to July 1926, October 1926 to June 1927, August 1928 to December 1933, November 1942 to October 1945, and October 1947 to current year.

PERIOD OF DAILY RECORD—

SPECIFIC CONDUCTANCE: October 1964 to September 1981, February 1982 to December 1987, and October 1989 to current year.

pH: August 1990 to April 1993.

WATER TEMPERATURE: July 1949 to September 1981, February 1982 to December 1987, and October 1989 to current year.

DISSOLVED-OXYGEN CONCENTRATION: August 1990 to April 1993.

SUSPENDED-SEDIMENT DISCHARGE: October 1928 to December 1933, November 1942 to September 1944, and October 1947 to September 1965.

INSTRUMENTATION—Specific-conductance and water-temperature recorder, March 1977 to September 1981, February 1982 to December 1987, and October 1989 to current year; pH, August 1990 to April 1993; dissolved-oxygen recorder, August 1990 to April 1993.

REMARKS—Unpublished daily specific-conductance measurements for November 1942 to October 1945 and October 1947 to September 1964 available from the USGS office in Tucson, Arizona. Extreme values for the period of record include only those obtained after a normal flow-release pattern from Glen Canyon Dam began after July 31, 1965.

TEMPERATURE: Record good and within 0.5°C, except for June 15, 1992, to July 14, 1992, which is fair and within 1.0°C.

SPECIFIC CONDUCTANCE: Record good and within 5 percent for 1990–91, and fair and within 10 percent for 1992–93.

pH: Record good and within 0.2 units for 1990–93, except for November 2, 1990, to December 14, 1990, which is poor and may exceed 0.4 units.

DISSOLVED-OXYGEN CONCENTRATION: Record fair and within 1.0 mg/L.

EXTREMES FOR PERIOD OF RECORD—

SPECIFIC CONDUCTANCE (August 1965 to September 1981, February 1982 to December 1987, and October 1990 to current year): Maximum, 1,260 µS/cm, April 20 and 21, 1967; minimum, 460 µS/cm, August 10, 1965.

WATER TEMPERATURE (August 1965 to September 1981, February 1982 to December 1987, and October 1990 to current year): Maximum, 21.0°C on several days during August, September, and October in 1965, 1967, 1968; minimum, 2.0°C, January 29 and 30, 1970.

EXTREMES FOR DATA PERIOD—

WATER TEMPERATURE: Maximum, 11.2°C, December 2, 1991; minimum, 6.3°C, February 15, 1990.

SPECIFIC CONDUCTANCE: Maximum, 1,000 µS/cm, April 15, 1993; minimum, 739 µS/cm, November 22 and 24, 1989.

pH: Maximum, 8.4 units, September 2–3 and 10–11, 1990, and on several days in 1992; minimum, 7.6 units, March 17 and 20, 1991.

DISSOLVED-OXYGEN CONCENTRATION: Maximum, 11.2 mg/L, April 29, 1991; minimum, 6.2 mg/L, August 30, 1990.

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	7.8	7.5	7.7	7.8	7.5	7.6	7.6	7.5	7.6
2	---	---	---	7.8	7.5	7.6	7.6	7.5	7.5	8.0	7.6	7.7
3	---	---	---	7.8	7.3	7.6	7.8	7.3	7.6	7.8	7.3	7.6
4	---	---	---	7.8	7.5	7.7	7.6	7.1	7.4	7.6	7.3	7.5
5	---	---	---	8.0	7.6	7.8	7.6	7.5	7.6	7.6	7.4	7.5
6	8.4	7.6	8.0	7.8	7.6	7.7	7.8	7.5	7.6	7.8	7.5	7.6
7	8.4	8.2	8.3	7.8	7.5	7.6	7.8	7.5	7.7	7.8	7.5	7.6
8	8.4	8.0	8.3	7.6	7.3	7.5	7.6	7.5	7.6	7.8	7.5	7.7
9	8.4	8.0	8.2	7.6	7.3	7.5	7.6	7.5	7.6	7.8	7.6	7.7
10	8.6	7.8	8.2	---	---	---	7.6	7.3	7.5	7.8	7.6	7.7
11	8.2	7.6	7.9	---	---	---	7.6	7.1	7.4	7.8	7.6	7.7
12	8.2	7.6	7.8	---	---	---	7.6	7.3	7.5	7.8	7.5	7.7
13	8.0	7.6	7.8	---	---	---	7.8	7.3	7.5	7.8	7.6	7.7
14	8.4	7.6	7.9	---	---	---	7.8	7.3	7.6	8.0	7.6	7.7
15	8.4	7.8	8.1	---	---	---	7.8	7.5	7.7	7.8	7.6	7.8
16	8.4	7.6	8.1	---	---	---	7.8	7.6	7.8	8.0	7.6	7.7
17	8.0	7.5	7.7	---	---	---	7.6	7.5	7.5	7.8	7.6	7.7
18	8.0	7.5	7.7	---	---	---	7.8	7.5	7.6	8.0	7.6	7.8
19	8.2	7.6	7.8	---	---	---	7.6	7.5	7.6	8.2	7.8	8.0
20	8.2	7.6	7.9	---	---	---	7.6	7.5	7.6	7.8	7.6	7.7
21	8.0	7.8	7.9	---	---	---	7.8	7.5	7.6	7.8	7.5	7.7
22	8.4	7.8	8.1	7.8	7.5	7.7	7.8	7.6	7.6	8.0	7.5	7.7
23	8.2	7.8	8.0	8.0	7.5	7.7	7.6	7.3	7.5	7.8	7.5	7.7
24	8.0	7.6	7.8	7.8	7.3	7.6	7.6	7.5	7.5	7.8	7.3	7.5
25	8.0	7.6	7.7	7.8	7.5	7.7	7.5	7.3	7.5	7.6	7.3	7.5
26	7.8	7.5	7.6	8.0	7.6	7.8	7.6	7.3	7.4	7.6	7.3	7.5
27	7.8	7.3	7.7	7.6	7.1	7.4	7.8	7.5	7.6	7.6	7.3	7.5
28	7.8	7.5	7.6	7.6	7.1	7.3	7.8	7.6	7.7	7.5	7.1	7.3
29	7.8	7.5	7.6	7.6	7.1	7.3	8.0	7.8	7.9	7.5	7.3	7.4
30	7.8	7.1	7.5	7.8	7.3	7.5	8.0	7.6	7.7	7.6	7.1	7.3
31	7.8	7.5	7.6	---	---	---	7.8	7.5	7.7	7.6	7.3	7.5
MONTH	---	---	---	---	---	---	8.0	7.1	7.6	8.2	7.1	7.6

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1990												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.6	7.3	7.5	7.5	7.1	7.3	8.2	7.1	7.6	8.2	7.5	7.8
2	7.5	7.1	7.3	7.5	7.1	7.3	8.2	7.6	7.9	9.0	7.6	8.2
3	7.3	6.9	7.1	7.5	7.1	7.3	8.4	7.3	7.8	9.0	7.6	8.3
4	7.5	7.1	7.3	7.5	7.1	7.3	8.2	7.3	7.8	9.0	8.0	8.5
5	7.5	7.1	7.4	7.5	6.9	7.2	8.2	7.5	7.8	9.0	7.6	8.4
6	7.5	7.1	7.3	7.5	6.9	7.2	8.0	7.3	7.7	9.0	7.6	8.3
7	7.5	7.1	7.3	7.6	6.9	7.2	8.4	7.5	7.9	9.0	7.6	8.1
8	7.5	7.1	7.4	7.6	7.1	7.4	8.6	8.0	8.3	9.0	7.6	8.2
9	7.5	6.9	7.2	7.6	7.1	7.4	8.4	7.8	8.2	8.8	7.3	8.0
10	7.5	7.1	7.3	7.6	7.1	7.5	8.2	7.3	7.8	8.8	7.5	8.1
11	7.6	7.3	7.4	8.0	7.1	7.5	8.0	7.1	7.5	8.8	7.5	8.1
12	7.5	7.3	7.5	7.3	6.9	7.1	8.4	7.1	7.7	9.0	7.6	8.3
13	7.5	7.1	7.3	7.3	6.9	7.0	8.6	7.3	7.9	9.0	7.6	8.4
14	7.3	6.7	6.9	7.6	6.5	7.0	8.4	7.5	8.0	9.2	8.0	8.7
15	6.9	6.3	6.6	7.5	6.7	7.2	8.4	7.5	8.0	8.8	7.6	8.1
16	7.1	6.5	6.8	7.6	6.9	7.3	8.4	7.6	7.9	9.0	7.6	8.1
17	7.3	6.5	6.9	7.6	7.1	7.4	7.8	7.3	7.6	8.8	7.5	8.1
18	7.3	6.7	7.0	8.0	7.3	7.6	8.0	7.3	7.7	9.2	7.6	8.3
19	7.1	6.7	6.9	8.0	7.5	7.8	8.4	7.3	7.8	9.2	7.8	8.5
20	7.3	6.7	7.1	7.8	7.1	7.5	8.4	7.3	7.8	9.2	9.0	9.1
21	7.5	6.9	7.1	8.0	7.1	7.6	8.6	7.5	8.0	9.4	8.8	9.0
22	7.5	6.9	7.1	8.0	7.1	7.6	8.6	7.6	8.2	9.4	8.0	8.6
23	7.5	6.9	7.2	8.0	7.3	7.6	8.6	8.0	8.3	9.0	7.8	8.3
24	7.5	6.9	7.3	8.4	7.3	7.7	8.2	7.5	7.8	9.0	7.8	8.3
25	7.5	7.1	7.3	8.2	7.3	7.7	8.4	7.6	8.0	9.2	7.5	8.2
26	7.5	7.1	7.4	8.4	7.8	8.0	8.6	7.5	8.0	9.0	7.5	8.3
27	7.5	7.1	7.3	8.0	7.3	7.7	8.8	7.5	8.0	9.4	8.2	8.8
28	7.5	7.1	7.3	7.6	7.3	7.5	8.6	7.6	8.1	9.4	8.2	8.5
29	---	---	---	7.8	7.1	7.4	8.0	7.3	7.6	8.6	8.0	8.2
30	---	---	---	7.8	7.1	7.5	7.8	7.5	7.6	8.8	8.0	8.4
31	---	---	---	8.2	7.3	7.7	---	---	---	9.0	7.8	8.3
MONTH	7.6	6.3	7.2	8.4	6.5	7.4	8.8	7.1	7.9	9.4	7.3	8.3

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.4	7.8	8.6	10.2	10.0	10.1	9.4	8.4	8.7	9.0	8.5	8.7
2	9.4	8.8	9.1	10.2	8.2	9.3	9.2	8.2	8.6	9.3	8.5	8.9
3	9.2	8.8	9.1	9.0	8.2	8.6	9.4	8.2	8.7	9.5	8.7	9.1
4	9.8	9.2	9.4	9.4	8.2	8.7	9.6	8.2	8.7	9.4	8.7	9.0
5	10.0	8.2	9.4	9.0	8.2	8.5	9.8	8.0	8.7	9.1	8.5	8.7
6	9.6	8.0	8.6	9.4	8.4	8.8	9.4	8.4	8.8	9.3	8.5	8.8
7	9.2	7.8	8.4	9.2	8.4	8.8	9.4	8.2	8.7	9.2	8.4	8.7
8	9.0	7.8	8.4	9.0	8.2	8.5	9.2	8.2	8.6	9.4	8.4	8.8
9	9.0	7.8	8.4	9.4	8.0	8.6	9.4	8.2	8.6	9.6	8.5	8.9
10	9.6	8.4	8.9	9.4	8.2	8.6	9.0	8.2	8.6	9.2	8.4	8.8
11	9.2	8.2	8.6	9.6	8.2	8.7	9.2	8.2	8.7	9.4	8.5	8.9
12	9.4	8.0	8.6	9.6	8.4	8.8	9.6	8.4	8.9	9.4	8.4	8.9
13	9.4	7.8	8.4	9.8	8.2	9.0	8.8	8.2	8.5	9.4	8.4	8.8
14	9.6	7.8	8.5	10.2	9.8	9.9	8.8	8.2	8.5	9.5	8.4	8.9
15	9.2	7.8	8.4	9.8	9.4	9.6	9.2	8.2	8.6	9.7	9.4	9.6
16	9.4	7.6	8.4	9.4	8.4	9.0	9.0	8.4	8.6	9.8	9.3	9.6
17	9.6	7.8	8.7	9.2	8.4	8.7	9.2	8.2	8.5	9.4	8.6	9.1
18	9.4	7.8	8.5	9.4	8.4	8.7	9.6	8.2	8.8	8.9	8.3	8.7
19	9.0	8.0	8.4	9.2	8.2	8.6	9.2	8.4	8.8	9.0	8.3	8.6
20	9.2	7.8	8.4	9.4	8.4	8.8	9.4	8.2	8.8	8.5	8.3	8.5
21	9.4	7.8	8.4	9.2	8.4	8.7	9.2	8.2	8.6	9.0	8.4	8.7
22	9.2	8.0	8.5	9.2	8.2	8.7	9.2	8.2	8.6	9.0	8.5	8.7
23	9.4	8.0	8.5	9.0	8.6	8.7	9.1	8.2	8.6	8.9	8.6	8.8
24	9.4	8.0	8.5	9.2	8.4	8.8	9.1	8.2	8.6	9.0	8.5	8.8
25	9.6	8.0	8.7	9.6	8.6	8.9	9.4	8.2	8.7	9.0	8.4	8.7
26	9.2	8.0	8.5	9.2	8.4	8.8	9.6	8.3	8.9	8.9	8.4	8.6
27	9.4	8.0	8.6	9.8	8.4	9.0	9.3	8.3	8.8	8.8	8.4	8.6
28	9.4	8.0	8.6	10.0	9.4	9.7	9.2	8.4	8.7	9.3	8.4	8.8
29	9.8	8.0	8.8	10.0	9.4	9.7	9.2	8.3	8.7	9.5	9.2	9.3
30	10.0	9.6	9.8	9.8	8.4	9.4	9.3	8.4	8.7	9.6	9.1	9.4
31	---	---	---	9.2	8.2	8.6	9.2	8.3	8.7	---	---	---
MONTH	10.0	7.6	8.7	10.2	8.0	8.9	9.8	8.0	8.7	9.8	8.3	8.9

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.4	8.9	9.2	8.9	8.5	8.7	8.4	8.1	8.3	8.0	7.4	7.8
2	9.3	8.7	9.0	8.6	8.1	8.4	8.4	7.9	8.2	8.0	7.5	7.7
3	9.3	8.6	9.0	8.5	8.1	8.4	8.7	8.0	8.4	8.0	7.6	7.8
4	9.2	8.5	8.9	8.4	8.1	8.3	8.6	8.2	8.4	8.1	7.7	7.9
5	9.1	8.5	8.9	8.7	8.0	8.4	8.6	8.3	8.5	8.1	7.9	8.0
6	9.0	8.5	8.8	8.5	8.3	8.4	8.7	8.2	8.5	8.1	7.9	8.0
7	9.2	8.5	8.9	8.6	8.2	8.4	8.8	8.4	8.6	7.9	7.8	7.9
8	8.9	8.3	8.6	8.9	8.2	8.5	8.7	8.3	8.6	7.9	7.8	7.8
9	8.9	8.1	8.5	8.9	8.5	8.7	8.6	8.2	8.4	7.8	7.7	7.8
10	9.0	8.4	8.8	8.9	8.5	8.7	8.9	8.2	8.6	7.9	7.7	7.8
11	9.1	8.5	8.8	8.7	8.3	8.6	9.1	8.6	8.8	7.7	7.6	7.7
12	9.1	8.4	8.8	8.7	8.3	8.5	9.2	8.9	9.0	7.6	7.3	7.5
13	9.1	8.7	8.9	8.7	8.3	8.5	9.1	8.8	8.9	7.4	7.3	7.4
14	9.2	8.8	9.0	8.7	8.3	8.6	8.9	8.1	8.6	7.7	7.4	7.6
15	9.0	8.7	8.9	8.8	8.3	8.6	8.1	7.8	7.9	7.6	7.2	7.5
16	8.9	8.4	8.7	8.7	8.4	8.6	8.2	7.8	8.1	7.6	7.3	7.5
17	8.9	8.4	8.7	8.6	8.3	8.5	8.6	8.1	8.3	7.5	7.2	7.4
18	8.7	8.2	8.5	8.6	8.3	8.5	8.7	8.2	8.4	7.5	7.1	7.4
19	8.9	8.4	8.7	8.7	8.4	8.6	8.8	8.4	8.7	7.5	7.2	7.4
20	8.9	8.4	8.7	8.7	8.5	8.6	8.7	7.9	8.3	7.4	7.1	7.3
21	8.7	8.2	8.5	8.4	8.2	8.3	7.8	7.5	7.7	7.4	7.1	7.3
22	8.8	8.2	8.6	8.4	8.0	8.2	7.7	7.4	7.5	7.4	7.0	7.2
23	9.1	8.5	8.8	8.4	8.0	8.2	7.7	7.2	7.4	7.4	7.0	7.2
24	9.1	8.5	8.9	8.4	8.1	8.3	7.9	7.3	7.7	7.5	7.0	7.3
25	9.0	8.5	8.8	8.4	8.1	8.2	8.1	7.6	7.9	7.4	7.0	7.2
26	9.0	8.5	8.8	8.4	8.1	8.3	8.4	7.9	8.2	7.2	6.9	7.1
27	9.0	8.6	8.8	8.1	7.6	7.9	8.2	7.9	8.1	7.2	6.9	7.0
28	8.9	8.6	8.8	8.2	7.8	8.0	8.1	7.7	7.9	7.3	6.8	7.0
29	8.9	8.6	8.7	8.2	7.8	8.0	8.0	7.5	7.8	7.2	6.6	6.9
30	8.9	8.6	8.7	8.4	8.0	8.2	7.5	7.2	7.4	7.2	6.7	7.0
31	8.7	8.5	8.6	---	---	---	8.1	7.1	7.6	7.2	6.8	7.0
MONTH	9.4	8.1	8.8	8.9	7.6	8.4	9.2	7.1	8.2	8.1	6.6	7.5

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.2	6.8	7.1	7.5	7.3	7.4	8.5	7.8	8.1	8.9	7.4	8.1
2	7.2	6.8	7.0	7.7	7.1	7.5	8.5	7.4	8.0	8.5	7.7	8.2
3	7.3	6.9	7.1	7.9	7.2	7.6	8.6	7.5	8.0	8.4	7.6	8.0
4	7.3	6.9	7.1	7.9	7.6	7.7	8.6	7.5	8.1	8.9	8.3	8.6
5	---	---	---	7.9	7.5	7.7	8.4	7.6	8.1	9.0	8.7	8.9
6	7.2	6.8	7.1	7.8	7.2	7.5	8.4	7.8	8.1	8.9	7.9	8.5
7	7.2	6.8	7.0	7.7	7.0	7.4	8.7	7.7	8.2	8.7	7.7	8.1
8	7.3	6.9	7.1	7.8	7.0	7.5	8.6	7.8	8.3	8.6	7.7	8.1
9	7.2	6.9	7.1	7.8	7.1	7.6	8.5	7.4	8.0	8.8	7.8	8.3
10	7.2	6.8	7.0	8.0	7.4	7.8	8.4	7.4	7.9	8.1	7.7	7.9
11	7.2	6.8	7.0	7.9	7.4	7.7	8.2	7.0	7.6	8.4	7.6	7.9
12	7.2	6.8	7.0	8.0	7.1	7.6	8.0	7.2	7.6	8.6	7.5	8.0
13	7.3	6.8	7.1	8.0	7.2	7.6	8.3	7.3	7.8	8.4	7.5	7.9
14	7.3	6.9	7.1	7.9	7.4	7.7	8.6	7.6	8.1	8.4	7.6	8.0
15	7.4	6.9	7.1	7.7	7.4	7.5	8.6	7.9	8.3	8.6	7.6	8.0
16	7.3	7.1	7.2	8.1	7.4	7.7	8.8	7.6	8.2	8.5	7.7	8.1
17	7.4	7.1	7.3	8.1	7.2	7.7	8.7	7.7	8.3	9.3	7.6	8.4
18	7.4	6.8	7.1	8.2	7.6	7.9	8.7	7.6	8.1	9.4	9.0	9.2
19	7.5	6.9	7.2	7.8	7.4	7.6	8.7	7.6	8.2	9.2	8.8	9.1
20	7.6	7.0	7.3	8.0	7.3	7.7	8.9	8.5	8.7	9.1	7.8	8.6
21	7.6	7.0	7.3	7.8	7.4	7.6	8.9	8.6	8.7	9.0	7.5	8.3
22	7.5	7.1	7.3	8.2	7.2	7.7	8.8	8.3	8.6	8.5	7.5	8.0
23	7.5	7.1	7.3	8.2	7.3	7.8	8.7	7.9	8.3	9.0	7.6	8.3
24	7.6	7.1	7.3	8.2	7.4	7.9	8.7	7.6	8.2	8.9	7.6	8.2
25	7.5	7.0	7.3	8.2	7.6	8.0	8.5	7.9	8.2	8.9	7.7	8.3
26	7.5	6.9	7.3	7.6	7.3	7.5	8.6	7.5	8.1	9.2	7.8	8.5
27	7.4	7.0	7.3	7.6	7.2	7.4	8.5	7.6	8.1	9.1	7.7	8.4
28	7.6	7.5	7.6	8.3	7.3	7.8	8.5	7.9	8.2	9.0	7.6	8.3
29	---	---	---	8.2	7.4	7.8	8.8	8.1	8.5	9.0	7.6	8.3
30	---	---	---	8.2	7.5	7.9	8.6	7.3	7.9	9.1	7.6	8.3
31	---	---	---	8.4	8.0	8.3	---	---	---	8.9	7.9	8.5
MONTH	---	---	---	8.4	7.0	7.7	8.9	7.0	8.1	9.4	7.4	8.3

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1991											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.0	8.6	8.9	9.8	8.5	9.1	9.7	8.7	9.2	9.6	9.2	9.4
2	9.1	8.4	8.7	9.4	8.3	8.8	9.7	9.0	9.4	10.2	9.1	9.7
3	9.4	8.3	9.1	9.5	8.4	8.9	9.6	9.1	9.3	9.8	8.8	9.3
4	9.2	8.0	8.6	9.5	8.4	8.9	9.5	8.3	8.9	9.5	8.5	9.1
5	9.4	8.1	8.7	9.5	8.5	8.9	9.3	8.3	8.8	9.6	8.9	9.2
6	9.2	8.0	8.6	9.4	8.6	8.9	9.8	8.4	9.0	10.2	9.2	9.6
7	9.1	7.8	8.4	9.4	8.5	8.9	10.1	8.4	9.2	9.8	9.2	9.5
8	9.5	7.7	8.4	9.5	8.3	8.8	10.0	8.5	9.3	10.1	9.2	9.6
9	9.6	7.8	8.6	9.1	8.3	8.7	9.9	8.9	9.4	9.9	8.8	9.4
10	9.1	8.0	8.5	9.3	8.3	8.8	9.7	8.7	9.2	9.8	9.0	9.4
11	9.0	7.9	8.4	9.5	8.5	9.0	9.2	9.0	9.1	9.7	8.8	9.2
12	9.1	8.2	8.5	10.5	8.5	9.4	9.6	8.7	9.1	9.9	8.5	9.2
13	9.1	8.1	8.5	10.6	10.1	10.4	9.9	8.8	9.2	9.9	9.0	9.5
14	9.3	8.0	8.4	10.4	9.7	10.1	9.5	8.6	9.1	9.9	8.9	9.4
15	9.5	7.9	8.7	10.1	8.8	9.6	9.5	8.5	9.0	10.2	9.1	9.6
16	9.6	7.9	8.6	9.4	8.5	8.9	9.6	8.4	9.0	10.1	8.9	9.6
17	9.0	8.0	8.4	9.5	8.6	9.0	9.2	8.5	8.9	10.3	9.2	9.8
18	8.9	7.8	8.3	9.4	8.5	9.0	9.2	8.5	8.9	10.2	9.4	9.8
19	9.2	8.1	8.6	9.1	8.4	8.8	9.8	8.7	9.2	9.9	9.2	9.5
20	9.0	8.0	8.4	8.8	8.5	8.7	9.7	8.6	9.1	10.2	9.0	9.6
21	9.2	8.0	8.5	9.5	8.1	8.8	9.7	8.6	9.1	10.3	9.6	9.9
22	9.7	7.9	8.6	9.6	8.7	9.1	9.5	8.7	9.1	10.2	9.6	9.9
23	10.0	8.2	9.0	9.4	8.8	9.1	9.8	8.8	9.3	10.0	9.2	9.7
24	9.3	8.2	8.7	9.6	8.7	9.1	10.1	9.0	9.6	9.8	9.0	9.4
25	9.2	8.0	8.6	9.6	8.7	9.1	10.0	9.1	9.6	10.0	9.3	9.7
26	9.0	8.0	8.4	10.6	8.8	9.6	9.8	9.2	9.5	10.1	9.3	9.7
27	8.6	8.0	8.3	10.5	10.1	10.4	9.5	8.8	9.1	9.9	9.4	9.7
28	10.1	8.2	9.0	10.4	9.6	10.1	9.7	9.0	9.3	9.9	9.5	9.7
29	10.1	9.5	9.9	10.4	8.8	9.8	9.9	9.0	9.4	10.0	9.3	9.7
30	10.1	9.7	10.0	10.0	8.6	9.1	9.8	8.7	9.3	10.0	9.0	9.6
31	---	---	---	9.5	8.6	9.0	9.6	9.1	9.4	---	---	---
MONTH	10.1	7.7	8.7	10.6	8.1	9.2	10.1	8.3	9.2	10.3	8.5	9.5

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.9	9.0	9.5	10.5	9.6	10.0	10.7	9.7	10.2	---	---	---
2	10.3	9.3	9.8	10.4	10.0	10.2	11.2	10.4	10.8	---	---	---
3	10.2	9.3	9.9	10.5	9.8	10.1	11.1	10.7	10.9	---	---	---
4	10.0	9.5	9.7	10.7	10.2	10.5	10.8	10.2	10.4	---	---	---
5	9.6	8.8	9.4	10.8	10.4	10.6	10.4	9.8	10.1	---	---	---
6	9.9	8.8	9.5	10.6	10.1	10.4	10.9	10.1	10.5	---	---	---
7	10.4	8.8	9.6	10.5	10.1	10.4	11.0	10.5	10.8	---	---	---
8	---	---	---	10.5	10.1	10.3	11.0	10.7	10.8	---	---	---
9	---	---	---	10.4	10.1	10.3	10.8	10.4	10.5	---	---	---
10	---	---	---	10.5	10.2	10.4	10.6	10.2	10.4	---	---	---
11	10.3	9.5	10.0	10.5	10.2	10.3	10.7	10.4	10.6	---	---	---
12	10.6	9.9	10.3	10.4	9.8	10.1	10.9	10.6	10.7	---	---	---
13	10.5	10.1	10.3	10.4	9.9	10.2	10.8	10.4	10.6	---	---	---
14	10.3	9.8	10.1	10.5	10.1	10.3	10.7	10.2	10.4	---	---	---
15	10.2	9.5	9.9	10.4	10.0	10.2	10.2	9.9	10.0	---	---	---
16	10.2	9.5	9.9	10.2	9.8	10.0	10.5	9.8	10.2	---	---	---
17	10.3	9.7	10.0	9.9	9.5	9.8	11.0	10.4	10.7	---	---	---
18	10.3	9.6	10.0	9.9	9.5	9.7	---	---	---	---	---	---
19	10.3	9.6	10.0	9.5	9.0	9.2	---	---	---	---	---	---
20	10.2	9.7	10.0	9.4	8.8	9.1	---	---	---	---	---	---
21	10.3	9.5	10.0	10.1	9.1	9.6	---	---	---	---	---	---
22	10.7	10.0	10.3	10.0	9.6	9.8	---	---	---	---	---	---
23	10.4	9.9	10.1	9.8	9.4	9.7	---	---	---	8.4	8.1	8.3
24	10.0	9.7	9.9	10.1	9.6	9.8	---	---	---	8.3	8.0	8.2
25	10.1	9.3	9.7	10.4	9.7	10.0	---	---	---	8.2	7.9	8.1
26	10.1	9.7	9.9	10.4	9.9	10.2	---	---	---	8.1	7.8	8.0
27	10.0	9.4	9.7	10.6	10.1	10.4	---	---	---	8.1	7.8	8.0
28	9.5	8.9	9.2	10.6	10.0	10.2	---	---	---	8.1	7.8	8.0
29	9.2	8.6	9.0	10.0	9.4	9.6	---	---	---	8.2	7.8	8.0
30	10.2	9.0	9.6	9.9	9.4	9.6	---	---	---	8.1	7.8	8.0
31	10.0	9.3	9.7	---	---	---	---	---	---	8.1	7.7	7.9
MONTH	---	---	---	10.8	8.8	10.0	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.6	7.9	7.9	7.4	7.7	8.0	7.3	7.7	8.8	7.6	8.3
2	8.0	7.6	7.8	7.8	7.5	7.7	8.3	7.3	7.8	8.7	7.5	8.2
3	8.0	7.6	7.8	7.9	7.5	7.7	8.3	7.2	7.8	8.7	7.4	8.2
4	8.2	7.8	8.0	8.0	7.4	7.8	8.3	7.3	7.9	8.8	7.9	8.4
5	8.1	7.7	7.9	8.1	7.3	7.8	8.4	7.4	8.0	8.3	7.7	8.0
6	8.0	7.7	7.9	8.0	7.3	7.7	8.3	7.6	8.1	8.3	7.6	8.0
7	7.9	7.7	7.8	7.8	7.2	7.6	8.2	7.4	7.9	8.9	7.7	8.3
8	8.1	7.8	7.9	7.7	7.2	7.4	8.3	7.3	7.8	8.9	7.6	8.3
9	8.2	7.6	7.9	7.8	7.1	7.5	8.4	7.2	7.9	8.9	7.7	8.3
10	8.0	7.7	7.9	8.1	7.2	7.7	8.3	7.4	7.9	8.9	7.5	8.3
11	8.1	7.7	8.0	7.9	7.3	7.7	8.4	7.4	7.9	8.9	7.6	8.3
12	8.1	7.7	7.9	7.9	7.2	7.6	8.4	7.3	7.9	9.0	7.8	8.4
13	7.9	7.7	7.8	8.0	7.2	7.7	8.4	7.5	8.0	9.0	7.6	8.4
14	8.0	7.6	7.8	8.0	7.3	7.7	8.3	7.4	7.9	9.0	7.8	8.4
15	7.9	7.5	7.7	8.0	7.3	7.7	8.1	7.4	7.8	8.9	7.5	8.3
16	7.8	7.5	7.6	8.0	7.3	7.7	8.4	7.4	7.9	8.9	7.5	8.3
17	7.6	7.0	7.4	7.8	7.2	7.5	8.4	7.4	8.0	9.0	7.6	8.4
18	7.6	6.9	7.3	7.8	7.1	7.5	8.5	7.6	8.1	9.1	7.8	8.6
19	7.8	7.1	7.5	7.9	7.1	7.5	8.2	7.4	7.9	8.6	7.8	8.1
20	7.8	7.3	7.6	7.8	7.0	7.5	8.4	7.3	7.9	8.4	7.6	8.0
21	7.9	7.3	7.6	7.8	7.2	7.5	8.5	7.2	7.9	8.6	7.6	8.1
22	7.9	7.4	7.7	7.9	7.4	7.7	8.5	7.5	8.0	8.6	7.6	8.1
23	7.9	7.4	7.6	7.9	7.4	7.7	8.4	7.5	8.0	8.8	7.7	8.3
24	8.0	7.3	7.7	7.9	7.0	7.5	8.5	7.3	7.9	8.6	7.7	8.2
25	8.1	7.5	7.8	7.9	7.2	7.7	8.7	7.5	8.2	9.2	7.9	8.5
26	7.9	7.4	7.7	7.8	7.1	7.5	8.9	7.8	8.4	9.0	8.2	8.6
27	7.9	7.3	7.7	7.7	7.3	7.4	8.9	8.0	8.6	8.5	7.9	8.3
28	7.9	7.3	7.7	7.8	7.2	7.5	8.9	7.8	8.4	8.5	7.5	8.1
29	7.9	7.3	7.6	8.1	7.2	7.7	8.8	7.8	8.4	8.5	7.8	8.2
30	---	---	---	8.1	7.5	7.9	9.0	7.7	8.4	9.0	7.8	8.4
31	---	---	---	8.0	7.4	7.5	---	---	---	9.0	8.3	8.7
MONTH	8.2	6.9	7.7	8.1	7.0	7.6	9.0	7.2	8.0	9.2	7.4	8.3

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.1	8.0	8.7	8.9	7.7	8.2	9.4	8.3	8.8	9.5	8.4	8.9
2	9.0	7.8	8.5	8.8	7.6	8.1	9.6	8.1	8.8	9.6	8.6	9.0
3	9.2	8.1	8.6	9.2	7.2	8.2	9.3	8.2	8.7	9.0	8.6	8.8
4	9.0	7.7	8.4	9.7	8.0	8.8	9.0	8.4	8.7	9.6	8.3	8.9
5	9.1	8.0	8.6	9.5	8.3	8.9	9.1	8.1	8.5	9.6	8.3	8.9
6	9.4	7.8	8.6	9.3	8.2	8.8	9.0	8.4	8.7	9.9	8.4	9.2
7	9.4	7.9	8.6	8.6	7.9	8.3	9.0	8.0	8.5	9.8	8.8	9.4
8	9.2	8.1	8.6	8.2	7.4	7.8	9.1	7.9	8.5	9.4	8.6	9.1
9	9.1	8.0	8.6	8.8	7.7	8.2	9.3	7.9	8.5	9.3	8.3	8.8
10	9.0	7.8	8.4	8.8	7.6	8.1	9.2	8.4	8.9	9.4	8.3	8.8
11	9.2	7.9	8.5	8.6	7.9	8.2	8.9	8.3	8.6	9.1	8.4	8.8
12	9.2	7.8	8.5	8.7	7.8	8.3	9.3	8.0	8.6	9.5	8.4	9.0
13	9.1	7.8	8.5	8.2	7.6	8.0	9.4	8.3	8.8	9.4	8.7	9.1
14	9.2	8.1	8.7	9.4	7.4	8.2	9.2	8.1	8.6	9.3	8.5	9.0
15	---	---	---	9.3	8.0	8.6	9.3	8.2	8.7	9.5	8.7	9.1
16	9.2	7.8	8.4	9.3	8.1	8.7	9.3	8.1	8.7	9.3	8.7	9.0
17	8.9	7.8	8.4	9.1	8.0	8.6	9.2	8.3	8.8	9.4	8.4	9.0
18	---	---	---	9.0	8.1	8.5	9.3	8.3	8.8	9.1	8.4	8.7
19	---	---	---	9.8	8.2	8.9	9.2	8.2	8.7	9.6	8.7	9.1
20	9.5	7.7	8.6	9.4	8.2	8.8	9.1	8.4	8.7	9.7	8.7	9.3
21	9.6	7.8	8.7	9.4	8.2	8.8	9.3	8.3	8.8	9.6	8.9	9.3
22	9.5	8.1	8.8	9.4	8.3	8.8	8.9	8.4	8.6	9.5	8.6	9.0
23	8.7	7.8	8.3	9.4	8.3	8.9	9.4	8.6	8.9	9.7	8.7	9.1
24	8.8	7.8	8.3	8.9	8.4	8.7	9.3	8.5	9.0	9.5	8.7	9.1
25	8.9	7.6	8.2	9.1	8.3	8.7	9.0	8.5	8.8	9.1	8.3	8.6
26	8.5	7.5	8.1	9.6	8.2	8.8	9.4	8.5	8.9	9.4	8.5	9.0
27	9.2	7.6	8.4	9.3	8.1	8.8	9.4	8.3	8.8	10.0	8.8	9.4
28	9.3	7.6	8.5	9.4	8.1	8.7	9.5	8.3	8.9	10.0	9.2	9.6
29	9.1	8.0	8.6	9.4	8.1	8.7	9.6	8.6	9.1	9.6	8.7	9.2
30	9.1	7.8	8.5	9.2	8.3	8.7	9.0	8.6	8.8	9.7	8.8	9.3
31	---	---	---	9.1	8.2	8.6	8.9	8.5	8.7	---	---	---
MONTH	---	---	---	9.8	7.2	8.5	9.6	7.9	8.7	10.0	8.3	9.0

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.7	8.9	9.3	8.9	8.3	8.7	10.3	9.9	10.1	9.0	8.7	8.8
2	9.5	8.8	9.2	9.4	8.6	9.0	10.3	9.8	10.1	8.9	8.5	8.7
3	9.6	8.8	9.2	9.3	8.6	8.9	10.2	9.8	10.0	8.5	8.0	8.2
4	9.4	8.8	9.1	9.2	8.5	8.9	10.2	10.0	10.1	8.5	7.8	8.2
5	9.1	8.4	8.8	9.4	8.8	9.1	10.7	10.2	10.5	8.5	8.0	8.3
6	9.4	8.3	8.9	9.4	9.1	9.2	10.6	10.0	10.2	8.4	8.1	8.3
7	9.4	8.6	9.0	9.6	8.9	9.3	10.7	10.1	10.4	8.5	8.3	8.4
8	9.3	8.3	8.9	9.8	9.3	9.6	10.5	10.1	10.3	8.6	8.4	8.5
9	9.7	8.7	9.3	9.8	9.5	9.7	10.3	9.7	10.0	8.6	8.3	8.5
10	9.7	8.9	9.3	9.6	8.8	9.2	10.8	10.1	10.5	8.6	8.4	8.5
11	9.5	8.8	9.2	9.2	8.6	8.9	10.7	9.9	10.3	8.5	7.9	8.3
12	9.6	8.8	9.2	9.4	8.8	9.1	9.9	9.3	9.5	7.9	7.5	7.7
13	9.6	8.9	9.3	9.5	9.0	9.3	9.4	9.0	9.2	7.9	7.4	7.7
14	---	---	---	9.7	9.1	9.4	10.1	9.2	9.6	8.1	7.7	7.9
15	9.0	8.2	8.7	9.8	9.3	9.6	10.1	9.7	9.9	8.1	7.9	8.0
16	9.0	7.8	8.5	10.1	9.5	9.8	9.8	9.5	9.7	8.3	8.0	8.2
17	---	---	---	10.0	9.6	9.9	9.7	9.2	9.5	8.5	8.2	8.4
18	---	---	---	10.0	9.6	9.8	9.5	9.2	9.4	8.3	8.1	8.2
19	---	---	---	9.9	9.5	9.7	9.2	8.8	9.1	8.3	7.9	8.2
20	---	---	---	9.8	8.6	9.2	9.2	8.7	8.9	8.0	7.7	7.9
21	---	---	---	9.2	7.9	8.5	9.2	8.7	9.0	8.1	7.6	7.9
22	---	---	---	9.4	9.0	9.2	9.3	8.7	9.0	8.0	7.7	7.9
23	---	---	---	9.4	9.0	9.2	9.3	8.9	9.2	7.9	7.5	7.7
24	---	---	---	9.2	8.6	8.9	9.3	9.0	9.2	7.7	7.5	7.6
25	---	---	---	9.4	8.7	8.9	9.2	9.0	9.1	7.7	7.4	7.6
26	---	---	---	9.8	9.1	9.4	9.1	8.8	9.0	7.7	7.4	7.6
27	---	---	---	10.3	9.7	9.9	8.9	8.5	8.7	7.8	7.4	7.6
28	---	---	---	10.3	9.8	10.0	9.0	8.6	8.8	7.9	7.5	7.7
29	---	---	---	10.2	9.8	10.0	9.0	8.8	9.0	7.9	7.6	7.8
30	---	---	---	10.4	9.8	10.1	9.0	8.7	8.9	7.9	7.7	7.8
31	---	---	---	---	---	---	9.0	8.7	8.9	8.1	7.8	8.0
MONTH	---	---	---	10.4	7.9	9.3	10.8	8.5	9.6	9.0	7.4	8.1

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.2	7.9	8.1	7.8	7.3	7.5	7.8	6.6	7.3	8.8	7.6	8.3
2	8.0	7.6	7.9	7.6	7.2	7.4	8.0	7.0	7.6	8.7	7.9	8.4
3	8.0	7.6	7.8	7.5	6.9	7.2	8.1	7.0	7.6	9.1	7.8	8.5
4	8.1	7.6	7.8	7.6	7.1	7.4	8.1	7.3	7.6	8.9	7.6	8.2
5	7.8	7.5	7.7	7.5	6.9	7.3	7.7	7.0	7.4	8.4	7.0	7.7
6	7.7	7.4	7.6	7.5	6.9	7.3	8.1	7.3	7.6	8.5	7.1	7.8
7	7.7	7.3	7.5	7.6	6.9	7.3	8.1	6.7	7.4	8.7	7.5	8.1
8	7.7	7.5	7.7	7.7	7.1	7.5	8.1	7.1	7.7	8.8	7.4	8.1
9	8.0	7.6	7.9	7.8	7.1	7.5	8.1	6.7	7.5	9.0	7.3	8.1
10	8.1	7.7	7.9	7.6	7.1	7.4	8.2	7.3	7.8	9.0	7.4	8.1
11	8.1	7.6	7.9	7.6	7.0	7.3	8.2	7.4	7.9	9.1	7.5	8.4
12	8.1	7.7	7.9	7.4	6.9	7.2	8.3	7.2	7.8	9.0	7.8	8.4
13	8.0	7.5	7.7	7.4	6.9	7.2	8.1	6.9	7.5	9.0	7.8	8.5
14	7.7	7.4	7.6	7.3	6.5	6.8	8.2	7.0	7.6	9.1	8.0	8.5
15	7.6	7.2	7.5	---	---	---	8.0	6.7	7.4	8.8	7.9	8.5
16	7.6	7.3	7.5	---	---	---	8.2	7.4	7.8	8.5	8.0	8.2
17	7.7	7.1	7.4	---	---	---	8.4	7.2	7.8	8.7	7.8	8.3
18	7.7	7.2	7.5	---	---	---	8.6	7.3	7.9	8.7	7.6	8.2
19	7.7	7.3	7.5	---	---	---	8.4	7.1	7.8	9.2	7.8	8.5
20	7.6	7.2	7.5	7.4	6.6	7.0	8.3	7.2	7.8	9.3	7.9	8.6
21	7.3	6.8	7.1	---	---	---	8.2	7.0	7.7	9.3	7.9	8.6
22	7.5	6.7	7.1	---	---	---	8.7	7.4	8.1	9.1	7.8	8.6
23	7.6	6.9	7.2	---	---	---	8.6	7.6	8.1	9.0	7.8	8.5
24	7.5	7.0	7.3	7.7	6.8	7.3	8.7	7.4	8.1	9.2	7.6	8.4
25	7.4	6.9	7.2	7.9	6.7	7.5	8.8	7.7	8.3	9.4	7.8	8.6
26	7.5	7.0	7.3	7.8	7.2	7.5	8.6	7.4	8.1	9.4	8.1	8.7
27	7.6	7.0	7.4	7.6	6.9	7.4	8.8	7.6	8.2	8.9	7.9	8.4
28	7.6	7.1	7.4	7.7	7.2	7.5	8.9	7.7	8.3	9.0	7.9	8.5
29	---	---	---	8.0	7.2	7.6	8.9	7.5	8.2	9.2	7.7	8.6
30	---	---	---	7.8	7.0	7.4	8.9	7.7	8.3	9.3	8.0	8.8
31	---	---	---	7.8	6.9	7.4	---	---	---	9.3	8.0	8.8
MONTH	8.2	6.7	7.6	---	---	---	8.9	6.6	7.8	9.4	7.0	8.4

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.5	8.4	9.0	10.2	8.3	9.3	10.5	8.8	9.6	10.7	9.4	10.0
2	9.2	7.9	8.6	10.1	8.8	9.4	10.3	9.1	9.7	10.3	9.3	9.8
3	9.2	7.6	8.4	10.1	8.6	9.3	9.7	9.1	9.4	10.6	9.1	9.8
4	9.0	8.0	8.5	10.2	8.6	9.3	10.1	9.2	9.6	10.4	9.3	9.9
5	9.4	7.7	8.5	10.5	8.1	9.3	10.6	8.8	9.6	10.6	9.5	10.1
6	9.3	8.2	8.6	10.5	8.5	9.4	10.2	9.1	9.6	10.5	9.5	10.1
7	9.0	8.0	8.6	10.3	8.5	9.3	10.0	9.1	9.5	10.5	9.6	10.1
8	8.8	7.9	8.4	10.1	8.8	9.4	10.1	8.7	9.3	10.3	9.4	9.9
9	9.6	7.9	8.7	9.8	8.5	9.1	9.7	9.1	9.5	10.6	9.0	9.8
10	9.5	7.9	8.8	10.2	8.5	9.3	10.0	9.4	9.7	10.5	9.5	10.0
11	9.6	8.2	8.9	10.4	8.7	9.5	9.9	9.1	9.5	10.5	9.5	10.1
12	9.9	8.4	9.2	10.1	8.7	9.4	9.9	9.0	9.4	10.6	9.4	10.1
13	9.9	8.7	9.4	10.0	8.6	9.2	9.8	8.8	9.2	10.6	9.3	9.8
14	9.8	8.4	9.2	10.2	8.7	9.4	10.5	8.6	9.5	10.7	9.2	9.8
15	9.9	8.5	9.2	10.3	8.6	9.4	10.4	9.1	9.7	11.1	9.3	10.3
16	10.0	8.6	9.3	10.4	8.5	9.4	10.4	8.9	9.5	10.5	9.7	10.1
17	9.7	8.1	8.9	10.2	8.3	9.2	10.4	8.6	9.3	10.3	9.0	9.7
18	9.7	8.1	8.8	10.4	8.6	9.5	10.1	8.9	9.5	10.1	9.3	9.7
19	10.2	7.9	9.0	10.1	9.0	9.5	9.8	9.3	9.6	10.8	9.0	10.0
20	10.2	8.7	9.5	10.0	8.6	9.2	9.6	8.8	9.3	10.8	9.7	10.1
21	10.1	8.6	9.4	10.1	8.6	9.3	10.3	9.5	9.9	10.4	9.4	9.9
22	10.0	8.6	9.4	10.2	8.5	9.2	10.1	9.2	9.7	10.3	9.5	10.0
23	9.9	8.4	9.2	10.1	8.4	9.3	10.5	9.1	9.8	10.3	9.5	10.0
24	9.9	8.2	9.0	10.6	9.1	9.7	10.4	9.2	9.8	10.3	9.5	9.9
25	10.2	8.2	9.2	10.5	8.6	9.4	9.9	9.4	9.7	10.6	9.4	10.1
26	10.2	8.7	9.5	10.4	9.0	9.6	10.6	9.3	10.0	10.7	9.6	10.2
27	10.3	8.6	9.5	10.1	8.7	9.4	9.8	9.1	9.5	10.6	9.7	10.3
28	10.4	8.7	9.6	10.4	8.9	9.6	10.5	9.6	9.9	10.5	9.6	10.1
29	10.0	8.3	9.2	9.7	9.2	9.4	10.1	9.1	9.6	10.5	9.7	10.1
30	10.0	8.2	9.1	9.8	8.9	9.3	10.6	9.5	9.9	10.6	9.7	10.2
31	---	---	---	10.1	9.2	9.7	10.6	9.4	9.9	---	---	---
MONTH	10.4	7.6	9.0	10.6	8.1	9.4	10.6	8.6	9.6	11.1	9.0	10.0

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1994												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.6	9.8	10.3	10.6	10.2	10.3	10.8	10.4	10.5	9.9	9.4	9.7
2	10.6	9.8	10.2	10.6	9.8	10.2	10.6	10.2	10.3	9.9	9.5	9.7
3	10.4	9.6	10.1	10.4	10.0	10.2	10.4	10.0	10.2	9.7	9.3	9.5
4	10.6	9.8	10.2	10.2	9.8	10.0	10.4	10.0	10.2	9.5	9.1	9.3
5	10.6	10.0	10.3	10.0	9.2	9.5	10.4	10.0	10.3	9.3	9.1	9.2
6	10.6	10.0	10.2	9.6	9.0	9.3	10.4	10.2	10.3	9.3	8.5	8.8
7	10.6	9.8	10.2	10.0	9.2	9.6	10.4	10.0	10.2	9.1	8.3	8.6
8	10.4	10.0	10.2	10.0	9.6	9.9	10.4	10.0	10.3	9.1	8.7	8.8
9	10.4	9.8	10.0	10.0	9.6	9.8	10.4	10.0	10.2	9.1	8.5	8.8
10	10.6	9.6	10.1	10.0	9.6	9.8	10.4	10.0	10.2	9.1	8.9	9.0
11	10.6	10.2	10.4	10.0	9.8	9.9	10.2	9.8	10.0	9.1	8.7	8.9
12	10.8	10.2	10.5	10.2	9.8	9.9	10.0	9.4	9.8	9.1	8.7	8.8
13	10.6	10.0	10.3	10.0	9.4	9.6	9.8	8.2	8.9	9.1	8.7	8.9
14	10.6	10.0	10.3	9.8	9.2	9.4	9.8	9.2	9.6	8.9	8.7	8.8
15	10.4	9.8	10.2	10.4	9.2	9.7	10.2	9.4	9.8	9.1	8.7	8.8
16	10.4	10.0	10.2	10.4	10.2	10.3	10.4	10.0	10.1	8.9	8.5	8.7
17	10.2	9.8	10.1	10.4	10.0	10.2	10.0	9.6	9.9	8.9	8.5	8.7
18	10.4	9.8	10.1	10.0	9.6	9.9	10.0	9.6	9.9	8.9	8.5	8.6
19	10.2	9.6	9.9	10.2	9.8	10.0	10.0	9.6	9.8	8.7	8.3	8.6
20	10.2	9.4	9.9	10.2	9.8	9.9	10.2	9.8	9.9	8.7	8.3	8.5
21	10.4	9.8	10.2	10.0	9.8	9.9	10.0	9.8	9.9	8.7	8.3	8.5
22	10.6	10.0	10.3	10.4	10.0	10.2	10.0	9.6	9.8	8.7	8.3	8.5
23	10.6	10.0	10.3	10.4	10.0	10.3	10.2	9.6	9.8	8.7	8.3	8.5
24	10.6	9.8	10.3	10.2	9.2	9.4	10.2	10.0	10.1	8.8	8.3	8.6
25	10.6	10.0	10.3	9.4	8.8	9.2	10.0	9.4	9.7	8.6	8.4	8.5
26	10.6	9.8	10.1	9.8	8.8	9.3	9.8	9.4	9.5	8.6	8.4	8.5
27	10.8	10.0	10.3	10.0	9.8	9.9	10.0	9.6	9.8	8.6	8.2	8.4
28	10.6	10.2	10.4	10.0	9.8	9.9	10.0	9.6	9.8	8.6	8.4	8.4
29	10.8	10.0	10.4	10.4	9.8	10.0	9.8	9.6	9.7	8.6	8.4	8.4
30	10.4	9.6	10.1	10.8	10.2	10.4	9.8	9.4	9.5	8.6	8.0	8.3
31	10.6	10.2	10.4	---	---	---	9.8	9.4	9.5	8.6	8.0	8.3
MONTH	10.8	9.4	10.2	10.8	8.8	9.9	10.8	8.2	9.9	9.9	8.0	8.8

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1994												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	8.0	8.2	8.2	7.7	7.9	8.8	7.9	8.4	8.6	8.0	8.3
2	8.4	8.0	8.2	8.4	7.7	8.0	8.8	7.9	8.4	9.0	8.0	8.5
3	8.4	8.2	8.3	8.4	7.8	8.1	8.9	8.1	8.6	8.8	7.8	8.4
4	8.4	8.2	8.3	8.4	7.8	8.1	8.5	8.0	8.3	9.2	7.8	8.6
5	8.6	8.4	8.5	8.4	7.8	8.2	8.5	7.4	8.0	9.0	8.0	8.5
6	8.4	8.2	8.3	8.6	7.8	8.2	8.5	7.8	8.1	9.2	7.8	8.6
7	8.4	8.2	8.3	8.4	7.8	8.1	8.7	7.6	8.2	9.0	7.8	8.5
8	8.6	8.2	8.3	8.6	7.8	8.1	8.5	7.8	8.1	8.8	7.8	8.4
9	8.4	7.9	8.2	8.4	7.7	8.1	8.1	7.9	7.9	8.9	8.1	8.6
10	8.4	8.0	8.2	8.4	7.8	8.1	8.3	7.8	8.0	9.3	7.9	8.5
11	8.4	7.8	8.0	8.2	7.8	8.0	8.9	7.9	8.4	9.1	8.3	8.8
12	7.9	7.2	7.7	8.6	7.8	8.1	8.9	7.8	8.4	9.5	7.9	8.7
13	8.1	7.6	7.8	8.6	7.8	8.2	8.9	7.8	8.4	9.1	7.9	8.5
14	8.1	7.8	8.0	8.4	7.7	8.1	8.7	7.9	8.3	9.2	8.2	8.7
15	8.3	7.8	8.0	8.4	7.7	8.1	8.9	7.8	8.4	9.6	8.2	8.9
16	8.3	7.9	8.1	8.4	7.7	8.1	8.9	7.8	8.4	9.4	8.2	8.9
17	8.3	8.1	8.2	8.5	7.9	8.2	8.9	7.8	8.4	9.2	8.2	8.7
18	8.3	7.9	8.1	8.3	7.9	8.0	8.9	7.9	8.5	9.7	8.0	8.8
19	8.3	7.8	8.0	8.1	7.9	8.0	9.1	7.9	8.4	9.5	8.0	8.6
20	8.1	7.9	8.0	8.5	7.8	8.2	8.9	7.8	8.4	9.7	8.3	8.9
21	8.3	7.9	8.1	8.7	7.9	8.3	9.0	7.8	8.4	9.3	8.0	8.7
22	8.1	7.8	7.9	8.7	7.8	8.2	9.0	7.8	8.5	9.7	8.3	9.0
23	8.3	7.6	7.9	8.3	7.6	7.9	9.0	7.8	8.4	10.0	8.6	9.4
24	8.3	7.8	8.0	8.3	7.8	8.0	8.8	7.8	8.1	9.4	8.6	9.1
25	8.3	7.8	8.0	8.3	7.8	8.0	8.6	7.5	8.1	9.2	8.6	8.7
26	8.2	7.7	8.0	8.5	7.8	8.1	8.4	7.7	8.0	10.0	8.4	9.1
27	8.2	7.8	8.0	8.5	7.8	8.1	8.2	7.5	7.8	9.4	8.4	9.0
28	8.2	7.7	8.0	8.7	7.8	8.3	8.4	7.7	8.0	9.8	8.2	9.1
29	---	---	---	8.5	7.8	8.2	8.6	7.5	8.1	10.2	8.8	9.6
30	---	---	---	8.3	7.8	8.0	8.8	7.7	8.3	10.0	8.6	9.4
31	---	---	---	8.8	7.7	8.3	---	---	---	9.9	8.7	9.4
MONTH	8.6	7.2	8.1	8.8	7.6	8.1	9.1	7.4	8.3	10.2	7.8	8.8

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1994											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.7	8.3	9.1	9.4	8.6	9.0	9.6	8.4	9.0	10.1	8.8	9.5
2	10.1	8.3	9.2	9.6	8.4	8.9	10.0	8.4	9.1	10.1	9.1	9.4
3	9.9	8.5	9.3	10.0	8.6	9.2	9.8	8.6	9.1	10.1	9.1	9.5
4	10.1	8.5	9.3	10.0	8.4	9.2	9.8	8.4	9.0	10.2	9.4	9.9
5	10.1	9.1	9.7	9.8	8.2	9.0	9.8	8.4	9.0	9.8	9.0	9.5
6	10.1	8.7	9.4	9.6	8.2	8.9	9.6	8.6	9.0	9.8	9.0	9.4
7	10.1	8.7	9.4	9.6	8.2	8.8	9.6	8.6	9.1	9.9	8.9	9.4
8	9.9	8.5	9.2	9.8	8.0	8.9	9.4	8.4	8.8	9.9	8.9	9.5
9	10.1	8.3	9.2	9.8	8.4	9.1	9.6	8.2	8.8	9.9	8.9	9.5
10	10.0	8.6	9.3	9.9	8.5	9.2	9.6	8.6	9.0	9.8	8.8	9.3
11	9.8	8.4	9.2	9.9	8.5	9.2	9.8	8.6	9.1	9.8	8.8	9.3
12	10.4	8.6	9.5	9.7	8.1	8.9	9.4	8.8	9.1	10.2	9.2	9.7
13	10.0	8.6	9.3	9.7	8.3	9.0	9.8	8.4	9.1	10.0	8.8	9.3
14	10.0	8.4	9.2	9.7	8.3	8.9	9.8	8.8	9.3	9.7	8.1	8.9
15	10.0	8.6	9.2	9.7	8.3	9.0	9.8	8.6	9.2	9.3	8.1	8.8
16	10.2	8.4	9.3	9.0	8.3	9.1	9.6	8.6	9.1	9.7	8.5	9.1
17	9.6	8.6	9.2	9.6	8.6	9.1	10.2	8.4	9.1	9.4	8.7	9.1
18	9.4	8.8	9.1	9.6	9.0	9.3	---	---	---	9.4	8.6	9.1
19	10.4	9.0	9.6	9.8	8.6	9.2	---	---	---	9.6	8.8	9.2
20	10.0	8.7	9.3	9.6	8.6	9.1	---	---	---	9.2	8.6	8.9
21	9.1	8.3	8.7	9.2	8.2	8.8	---	---	---	9.6	8.6	9.1
22	9.9	8.1	9.1	9.2	8.2	8.6	---	---	---	9.5	8.5	9.0
23	9.9	8.7	9.3	9.4	8.4	8.9	9.3	8.3	8.8	9.3	8.5	8.9
24	9.9	8.3	9.2	9.8	8.6	9.2	9.6	8.4	8.9	9.3	8.3	8.9
25	10.3	8.5	9.4	9.8	8.8	9.2	9.6	8.6	9.0	9.3	8.5	8.9
26	10.3	8.5	9.4	9.4	8.4	8.9	9.5	8.4	8.9	9.3	8.3	8.9
27	9.9	8.5	9.3	9.8	8.6	9.2	9.5	8.7	9.1	9.3	8.3	8.9
28	9.9	8.3	9.1	9.8	8.8	9.2	9.7	8.7	9.2	9.3	8.5	8.9
29	10.1	8.5	9.3	9.8	8.8	9.1	9.7	8.7	9.2	8.9	8.5	8.7
30	9.7	8.5	9.1	9.8	8.6	9.0	9.8	8.8	9.2	9.1	8.5	8.8
31	---	---	---	9.8	8.4	9.1	9.4	8.8	9.1	---	---	---
MONTH	10.4	8.1	9.3	10.0	8.0	9.0	---	---	---	10.2	8.1	9.2

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1995											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.8	8.0	8.4	8.6	7.8	8.2	9.5	8.7	9.3	9.0	8.6	8.8
2	8.8	8.2	8.6	8.8	8.4	8.6	9.4	9.1	9.3	9.0	8.7	8.9
3	9.0	8.2	8.7	8.6	8.0	8.3	9.5	8.2	9.2	8.9	8.4	8.6
4	9.0	8.2	8.7	8.2	7.6	7.9	---	---	---	8.8	8.5	8.6
5	8.8	8.2	8.5	8.4	7.8	8.1	---	---	---	9.0	8.7	8.9
6	8.6	8.0	8.4	8.6	8.2	8.4	---	---	---	9.0	8.7	8.8
7	8.6	8.0	8.3	8.4	8.0	8.3	---	---	---	8.8	8.4	8.6
8	8.8	8.0	8.3	8.6	8.0	8.2	---	---	---	8.9	8.6	8.7
9	8.8	8.0	8.5	8.2	7.8	8.1	9.1	8.7	8.9	8.7	8.4	8.5
10	9.0	8.2	8.6	8.4	8.0	8.2	9.0	8.5	8.7	8.4	8.2	8.3
11	8.6	8.0	8.3	8.6	8.0	8.4	9.1	8.9	9.0	8.5	8.1	8.3
12	8.6	8.0	8.3	8.6	8.2	8.4	9.5	9.1	9.3	8.5	8.2	8.4
13	9.0	8.2	8.6	8.4	7.8	8.2	9.4	9.2	9.3	8.5	8.2	8.4
14	9.0	8.4	8.7	7.8	7.5	7.7	9.4	9.0	9.2	8.5	8.4	8.4
15	8.6	8.2	8.5	8.4	7.5	7.9	9.3	9.0	9.2	8.4	8.0	8.2
16	8.4	7.8	8.1	8.4	8.0	8.2	9.2	9.0	9.1	8.1	7.6	7.9
17	8.6	8.0	8.4	8.4	7.8	8.0	9.1	8.8	8.9	7.9	7.4	7.6
18	8.8	8.0	8.3	8.2	7.6	7.9	9.0	8.7	8.9	7.7	7.4	7.6
19	8.8	8.0	8.4	8.2	7.8	8.0	9.2	8.8	9.0	7.9	7.6	7.7
20	8.8	8.0	8.4	8.0	7.5	7.8	9.4	9.0	9.2	8.0	7.6	7.8
21	9.0	8.4	8.7	8.4	7.8	8.0	9.4	9.0	9.1	8.0	7.7	7.9
22	9.1	8.5	8.8	---	---	---	9.0	8.7	8.8	8.0	7.6	7.8
23	---	---	---	---	---	---	9.0	8.7	8.9	8.1	7.6	7.9
24	---	---	---	---	---	---	9.3	8.9	9.1	8.2	7.9	8.1
25	---	---	---	---	---	---	9.7	9.3	9.5	8.3	8.1	8.2
26	8.8	8.2	8.5	---	---	---	9.6	9.4	9.5	8.4	8.0	8.2
27	9.0	8.4	8.7	---	---	---	9.5	9.1	9.2	8.3	8.0	8.2
28	8.8	8.4	8.6	---	---	---	9.1	8.9	9.0	8.2	7.6	7.9
29	8.6	8.2	8.4	---	---	---	9.1	9.0	9.0	8.1	7.7	7.9
30	8.6	8.0	8.2	9.0	8.5	8.7	9.2	9.0	9.1	7.9	7.4	7.7
31	8.2	7.6	8.0	---	---	---	9.1	8.9	9.0	7.9	7.4	7.7
MONTH	---	---	---	---	---	---	---	---	---	9.0	7.4	8.2

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1995												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.6	7.8	7.8	7.6	7.7	8.8	7.7	8.3	9.3	8.1	8.7
2	8.1	7.6	7.9	7.9	7.4	7.7	8.8	7.9	8.5	---	---	---
3	8.1	7.6	7.9	7.7	7.2	7.5	9.0	8.0	8.5	9.6	8.2	8.8
4	8.0	7.6	7.8	8.0	7.3	7.7	9.0	7.9	8.5	9.2	8.0	8.7
5	7.9	7.4	7.7	8.0	7.4	7.7	9.0	7.7	8.4	9.2	8.2	8.8
6	7.9	7.0	7.7	7.9	7.2	7.6	8.9	8.0	8.5	8.8	8.0	8.4
7	7.9	7.4	7.6	7.9	7.1	7.5	---	---	---	9.2	8.0	8.6
8	7.8	7.4	7.7	7.9	7.2	7.6	---	---	---	9.2	8.2	8.7
9	7.9	7.4	7.7	8.0	7.0	7.7	---	---	---	9.4	8.0	8.7
10	7.9	7.1	7.7	8.1	7.4	7.9	---	---	---	9.0	8.2	8.6
11	7.9	7.5	7.7	8.1	7.7	7.9	---	---	---	9.4	8.2	8.8
12	7.8	7.4	7.6	8.0	7.4	7.8	8.6	7.3	7.9	9.4	8.4	8.8
13	7.8	7.1	7.5	8.2	7.4	7.8	8.4	7.5	7.9	9.6	7.9	8.7
14	7.7	7.2	7.5	8.1	7.4	7.9	8.3	7.5	7.9	9.6	8.0	8.8
15	7.4	6.9	7.1	8.0	7.4	7.8	8.7	7.6	8.1	9.6	8.4	9.1
16	7.6	6.9	7.3	8.2	7.4	7.8	8.3	7.4	7.9	9.2	8.6	8.8
17	7.6	7.1	7.4	8.5	7.6	8.1	8.3	7.4	7.9	9.0	8.2	8.6
18	7.9	7.2	7.5	8.4	7.6	8.0	8.1	7.6	7.8	9.4	8.2	8.8
19	7.9	7.3	7.6	8.5	7.7	8.2	8.3	7.6	7.9	9.4	8.2	8.8
20	8.0	7.4	7.7	8.5	7.6	8.1	8.2	7.6	7.8	9.8	8.4	9.1
21	7.9	7.4	7.7	8.6	7.8	8.2	8.4	7.7	8.0	9.8	8.8	9.4
22	8.0	7.5	7.7	---	---	---	8.8	7.7	8.2	9.8	8.8	9.1
23	8.0	7.4	7.7	---	---	---	8.8	7.7	8.3	9.2	8.4	8.8
24	8.0	7.0	7.7	---	---	---	8.8	7.8	8.4	9.0	8.4	8.6
25	7.9	7.6	7.7	---	---	---	9.2	7.7	8.4	9.4	8.0	8.7
26	8.0	7.4	7.7	---	---	---	9.3	7.8	8.5	9.0	8.4	8.7
27	7.9	7.4	7.7	---	---	---	8.9	8.1	8.5	9.6	8.2	8.9
28	7.9	7.6	7.7	---	---	---	9.3	7.9	8.6	9.6	8.6	9.2
29	---	---	---	---	---	---	9.5	7.9	8.8	9.6	8.8	9.3
30	---	---	---	---	---	---	9.3	8.3	8.7	9.8	8.6	9.3
31	---	---	---	---	---	---	---	---	---	9.8	8.4	9.1
MONTH	8.1	6.9	7.6	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1995												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.6	8.4	9.0	10.6	8.8	9.6	11.0	9.6	10.2	10.9	10.1	10.4
2	9.4	8.4	8.9	10.4	9.2	9.7	10.8	9.8	10.2	11.1	9.9	10.5
3	9.4	8.4	8.9	10.4	9.0	9.6	10.6	9.8	10.1	11.1	10.1	10.5
4	9.8	8.2	9.0	10.4	8.8	9.6	10.8	9.6	10.1	11.4	10.2	10.7
5	10.0	8.4	9.2	10.8	9.2	9.8	10.8	9.6	10.2	11.2	10.4	10.7
6	9.6	8.4	8.9	10.6	8.8	9.7	11.0	9.8	10.3	10.6	10.0	10.2
7	9.2	8.2	8.7	10.6	9.2	9.8	10.6	9.6	10.1	11.2	10.0	10.5
8	9.2	8.0	8.6	10.4	9.2	9.7	10.8	10.0	10.3	10.8	9.8	10.3
9	9.8	8.0	8.9	10.4	9.2	9.8	10.6	9.6	10.1	11.2	10.2	10.6
10	10.2	8.4	9.2	10.6	9.2	9.8	10.6	10.0	10.2	10.6	10.0	10.3
11	10.2	8.6	9.3	10.8	9.4	9.9	10.8	9.6	10.1	10.8	10.2	10.4
12	10.0	8.6	9.2	10.2	8.8	9.5	10.6	9.6	10.2	10.8	9.8	10.4
13	10.0	8.6	9.2	9.8	9.0	9.5	10.4	9.8	10.0	11.0	10.2	10.5
14	10.0	8.6	9.3	10.2	8.8	9.5	10.8	9.8	10.3	11.2	10.0	10.5
15	9.4	8.4	8.9	10.6	9.0	9.8	10.6	9.6	10.1	11.3	10.4	10.9
16	9.0	8.6	8.8	10.6	9.2	9.8	10.4	9.8	10.1	11.1	10.3	10.7
17	9.4	8.4	8.8	10.4	9.6	9.9	11.0	9.6	10.2	11.3	10.5	10.9
18	9.8	8.4	9.0	9.8	9.4	9.7	10.8	9.8	10.2	11.1	10.3	10.7
19	10.0	8.4	9.2	10.8	9.2	9.9	10.6	9.6	10.0	11.1	10.1	10.7
20	10.2	8.8	9.4	10.4	9.2	9.8	11.4	9.8	10.5	11.7	10.3	11.1
21	10.0	8.4	9.2	11.0	9.2	10.0	11.2	9.4	10.2	11.1	10.1	10.6
22	10.0	8.6	9.2	10.6	9.0	9.9	11.0	9.8	10.4	11.5	10.3	10.9
23	10.0	8.4	9.2	11.0	9.4	10.1	10.9	9.8	10.3	10.9	10.5	10.7
24	10.2	8.8	9.4	10.8	9.2	9.9	10.9	9.9	10.3	10.9	10.3	10.6
25	10.2	8.8	9.4	10.8	9.4	10.0	11.1	10.1	10.5	11.3	10.3	10.7
26	10.2	9.0	9.5	10.8	9.4	10.0	10.9	9.7	10.4	11.7	10.7	11.2
27	9.8	9.0	9.4	10.8	9.4	10.0	11.1	10.1	10.6	11.1	10.5	10.8
28	9.8	9.0	9.3	10.8	9.4	9.9	10.9	9.9	10.4	11.1	10.5	10.7
29	9.8	8.8	9.2	10.6	9.4	9.9	10.9	10.1	10.4	11.1	10.1	10.6
30	10.2	8.8	9.5	10.6	9.4	9.9	10.9	9.9	10.3	10.7	9.9	10.4
31	---	---	---	10.8	9.4	10.1	10.9	9.9	10.3	---	---	---
MONTH	10.2	8.0	9.1	11.0	8.8	9.8	11.4	9.4	10.2	11.7	9.8	10.6

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

	Specific conductance, microsiemens per centimeter at 25°C, water year 1990											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	780	773	779	784	764	773	750	743	747	781	773	776
2	800	776	784	798	763	782	754	746	750	790	773	780
3	796	773	790	779	758	774	754	746	749	815	786	799
4	812	773	796	770	749	763	758	750	754	812	796	806
5	816	776	802	765	752	761	762	750	756	818	803	811
6	812	787	801	763	752	756	758	746	753	806	794	801
7	790	782	786	771	755	764	755	747	750	794	781	788
8	801	786	796	793	770	779	760	748	754	800	784	793
9	819	805	812	793	770	784	757	749	754	800	791	797
10	808	783	799	---	---	---	755	750	752	799	783	793
11	803	787	798	---	---	---	775	751	761	810	794	800
12	806	786	800	---	---	---	777	760	769	809	797	804
13	809	781	798	---	---	---	782	769	778	804	788	798
14	804	784	796	---	---	---	778	762	772	792	771	783
15	800	783	794	---	---	---	780	763	771	798	770	783
16	810	774	786	---	---	---	776	760	769	789	774	783
17	810	777	800	---	---	---	766	755	763	797	785	793
18	801	772	792	---	---	---	775	758	766	792	772	782
19	796	767	783	---	---	---	783	768	776	779	748	768
20	790	771	783	---	---	---	781	761	772	798	770	784
21	790	765	779	---	---	---	778	762	772	777	773	774
22	781	773	776	762	739	753	795	779	788	781	768	774
23	788	772	781	750	743	748	791	780	787	787	771	781
24	792	771	785	746	739	742	789	773	785	790	779	785
25	787	770	782	750	746	748	773	766	771	794	773	784
26	808	769	785	758	743	752	771	766	768	784	772	779
27	797	772	789	805	746	768	776	767	772	802	780	791
28	792	763	778	801	746	774	781	772	777	802	783	791
29	771	763	769	786	750	773	786	774	781	798	778	788
30	774	762	768	762	743	752	782	771	778	840	797	818
31	773	757	769	---	---	---	780	775	778	803	788	797
MONTH	819	757	788	---	---	---	795	743	767	840	748	790

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1990												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	810	787	799	825	817	822	852	828	845	913	878	890
2	821	801	811	837	825	830	863	816	837	897	865	879
3	832	820	826	837	825	831	834	795	811	906	875	890
4	824	788	804	829	825	828	842	830	837	883	867	876
5	811	792	802	856	821	829	869	838	854	891	875	881
6	826	802	811	888	825	848	873	850	863	898	883	890
7	809	790	802	899	837	872	847	821	832	910	879	891
8	829	790	808	864	837	849	866	845	859	934	867	908
9	821	797	808	872	855	862	873	854	863	922	832	893
10	821	805	812	863	851	859	884	835	857	918	863	893
11	829	813	820	851	831	840	878	860	869	902	871	888
12	817	813	816	893	831	864	867	841	855	883	863	874
13	825	817	821	873	830	850	855	835	845	894	879	888
14	911	821	866	892	834	865	861	847	854	891	867	883
15	895	880	888	868	838	855	863	849	859	906	887	894
16	888	864	878	856	848	852	859	851	855	914	879	892
17	860	841	845	855	843	848	884	857	869	918	891	907
18	895	841	879	859	843	850	897	832	867	902	867	886
19	888	848	876	858	842	850	924	852	903	879	851	873
20	880	825	856	858	845	855	898	868	880	914	855	885
21	848	825	837	845	837	844	875	863	867	910	867	889
22	848	825	836	845	836	841	885	875	881	891	867	879
23	829	821	824	856	840	843	884	863	874	906	879	887
24	825	817	821	868	839	863	897	880	887	910	898	901
25	825	821	822	847	828	839	916	860	879	953	859	905
26	829	821	825	855	828	842	918	861	889	965	891	932
27	829	821	826	854	834	845	899	850	874	902	867	891
28	829	821	825	854	833	849	927	862	898	894	867	883
29	---	---	---	857	837	849	925	828	900	910	863	897
30	---	---	---	872	841	852	928	820	880	930	863	883
31	---	---	---	872	836	859	---	---	---	906	875	898
MONTH	911	787	830	899	817	848	928	795	865	965	832	891

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	894	871	887	917	908	914	912	881	897	875	848	864
2	875	867	870	955	904	922	900	877	894	867	844	858
3	926	871	902	959	912	940	903	868	889	859	840	852
4	918	868	885	954	892	919	918	868	886	866	843	856
5	906	861	879	947	915	933	914	875	895	868	853	864
6	911	893	905	934	895	917	898	867	887	866	842	860
7	914	888	907	968	914	930	893	866	880	864	832	854
8	903	884	893	937	890	909	904	861	886	863	836	857
9	899	885	894	941	893	920	912	880	899	862	829	850
10	895	884	891	947	908	923	916	895	908	859	837	852
11	921	892	907	947	903	931	915	883	900	852	831	843
12	928	896	905	931	899	918	887	859	878	847	826	840
13	946	887	920	927	898	915	906	871	887	847	828	842
14	948	898	928	898	891	895	906	870	890	847	822	840
15	935	904	920	913	891	906	897	885	893	823	819	821
16	946	920	935	956	905	923	900	873	890	822	818	820
17	916	898	906	936	896	916	912	873	892	849	818	831
18	932	896	911	924	896	916	907	872	889	849	818	838
19	950	922	930	950	903	926	887	872	878	864	806	847
20	953	920	932	942	903	922	902	874	884	858	825	847
21	955	920	942	926	894	913	909	871	893	843	813	835
22	939	911	927	926	897	916	905	877	892	855	826	843
23	942	913	924	944	905	912	904	861	883	854	832	847
24	935	913	924	928	900	913	921	885	901	862	826	846
25	934	915	928	928	881	903	910	877	897	876	839	862
26	946	913	928	915	880	899	886	863	878	881	847	869
27	943	919	933	907	884	892	878	862	872	885	853	873
28	939	914	932	886	875	883	884	843	869	902	868	881
29	938	918	932	890	871	881	896	855	879	881	855	872
30	925	909	917	921	889	901	894	869	886	864	856	859
31	---	---	---	925	885	909	894	852	874	---	---	---
MONTH	955	861	913	968	871	913	921	843	888	902	806	851

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	911	866	881	856	793	831	853	807	827	859	831	845
2	913	882	902	876	840	857	841	825	835	848	838	843
3	898	865	885	852	836	845	847	819	832	838	815	826
4	901	865	886	847	836	842	856	830	845	815	805	809
5	882	864	876	843	819	830	852	824	844	810	806	807
6	891	865	878	847	831	837	846	812	838	811	804	807
7	891	862	880	851	837	846	848	824	835	809	807	808
8	891	863	879	847	827	839	842	811	828	814	806	809
9	905	862	889	844	816	832	839	807	823	815	811	813
10	869	849	863	826	810	819	849	801	824	815	809	813
11	886	859	872	842	822	832	843	819	831	812	810	811
12	888	878	885	834	804	822	844	820	831	813	809	811
13	879	855	873	831	801	818	848	822	837	812	808	810
14	867	852	860	831	799	821	854	836	847	812	806	810
15	863	847	855	831	801	820	863	845	851	815	809	813
16	861	854	858	831	813	825	866	838	855	816	810	813
17	864	845	855	838	810	829	852	836	844	815	812	813
18	863	852	857	844	826	837	843	829	835	819	811	816
19	862	838	850	830	812	824	839	828	833	820	814	818
20	851	835	843	834	814	825	859	832	842	819	815	817
21	864	850	858	838	817	831	879	863	871	819	811	815
22	860	841	850	855	811	839	876	860	870	816	808	812
23	849	838	843	837	817	824	882	859	871	813	807	811
24	852	843	849	827	807	819	875	847	861	820	807	813
25	855	843	849	833	808	824	860	838	847	820	808	816
26	854	842	848	840	802	822	846	833	838	813	807	810
27	843	831	840	856	818	840	835	827	832	816	809	813
28	839	826	835	860	818	843	832	826	829	821	814	815
29	841	827	833	849	814	828	827	824	826	845	819	827
30	851	827	839	837	809	820	842	823	831	849	822	838
31	852	805	832	---	---	---	858	838	846	842	811	831
MONTH	913	805	861	876	793	831	882	801	841	859	804	817

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	848	823	833	---	---	---	---	---	---	---	---	---
2	839	823	831	---	---	---	---	---	---	---	---	---
3	837	818	829	---	---	---	---	---	---	---	---	---
4	830	816	825	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	985	965	976
21	---	---	---	---	---	---	---	---	---	983	966	976
22	---	---	---	---	---	---	---	---	---	981	947	964
23	---	---	---	---	---	---	---	---	---	974	954	962
24	---	---	---	---	---	---	---	---	---	976	965	970
25	---	---	---	---	---	---	---	---	---	967	949	956
26	---	---	---	---	---	---	---	---	---	961	948	954
27	---	---	---	---	---	---	---	---	---	973	958	965
28	---	---	---	---	---	---	---	---	---	968	952	959
29	---	---	---	---	---	---	---	---	---	967	955	962
30	---	---	---	---	---	---	---	---	---	972	955	964
31	---	---	---	---	---	---	---	---	---	964	947	958
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	964	941	950	932	920	924	914	898	907	915	897	909
2	986	955	972	928	904	919	918	888	900	910	902	906
3	960	937	951	936	912	923	910	884	898	923	907	912
4	961	937	951	932	912	924	912	886	899	928	916	923
5	970	951	961	928	902	916	908	886	902	927	907	915
6	978	957	967	932	904	920	912	882	901	914	878	900
7	968	945	960	936	914	926	910	886	897	910	896	903
8	978	949	968	940	906	924	918	898	909	914	898	906
9	967	937	957	934	898	923	913	897	906	914	902	908
10	962	931	947	934	899	912	919	906	910	910	894	902
11	971	945	959	909	890	901	919	909	913	902	890	896
12	969	935	953	911	888	902	916	900	910	914	900	906
13	962	933	952	890	886	888	918	903	908	914	894	904
14	960	931	952	898	888	892	923	912	918	911	901	905
15	953	935	947	908	892	898	923	911	916	915	895	905
16	963	928	950	912	896	907	920	902	911	897	869	887
17	966	937	950	912	880	899	914	887	903	896	878	892
18	971	944	957	912	880	896	914	897	907	902	890	898
19	960	924	943	912	890	902	914	905	910	902	881	893
20	933	898	920	908	884	899	921	904	912	893	879	886
21	944	896	923	914	876	900	921	909	916	893	871	885
22	942	912	932	912	888	904	918	905	911	884	868	877
23	926	906	918	916	898	908	920	902	911	886	872	882
24	938	918	932	914	892	903	912	901	906	886	868	877
25	938	924	931	934	878	910	914	900	909	873	851	866
26	942	914	931	928	894	911	915	909	911	871	857	864
27	928	912	922	902	888	895	920	902	912	881	861	869
28	926	896	916	904	894	901	925	905	912	888	872	880
29	916	900	909	922	894	902	914	902	910	886	868	881
30	918	898	906	920	894	908	915	905	912	884	861	871
31	---	---	---	920	894	908	916	908	912	---	---	---
MONTH	986	896	943	940	876	908	925	882	908	928	851	894

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	877	847	867	894	876	888	---	---	---	---	---	---
2	875	855	868	900	886	894	---	---	---	---	---	---
3	882	856	875	896	878	891	---	---	---	---	---	---
4	878	846	869	896	884	892	---	---	---	---	---	---
5	882	868	876	897	875	889	---	---	---	---	---	---
6	874	861	869	899	881	893	---	---	---	---	---	---
7	881	843	865	895	871	888	---	---	---	---	---	---
8	885	843	869	899	871	888	---	---	---	---	---	---
9	890	854	874	897	871	885	---	---	---	---	---	---
10	890	884	888	893	865	885	---	---	---	---	---	---
11	888	882	886	893	875	888	---	---	---	---	---	---
12	886	878	882	897	869	887	---	---	---	---	---	---
13	892	876	883	894	852	882	---	---	---	---	---	---
14	892	876	885	---	846	---	---	---	---	---	---	---
15	892	882	888	---	---	---	---	---	---	---	---	---
16	892	882	888	---	---	---	---	---	---	---	---	---
17	892	878	886	---	---	---	---	---	---	---	---	---
18	890	882	887	---	---	---	---	---	---	---	---	---
19	890	882	887	---	---	---	---	---	---	---	---	---
20	892	884	888	---	---	---	---	---	---	---	---	---
21	896	876	887	---	---	---	---	---	---	---	---	---
22	886	878	882	---	---	---	---	---	---	---	---	---
23	894	856	884	---	---	---	---	---	---	---	---	---
24	892	880	886	---	---	---	---	---	---	---	---	---
25	898	880	889	---	---	---	---	---	---	---	---	---
26	892	876	885	---	---	---	---	---	---	---	---	---
27	892	878	885	---	---	---	---	---	---	---	---	---
28	902	882	893	---	---	---	---	---	---	---	---	---
29	904	886	896	---	---	---	---	---	---	---	---	---
30	898	876	887	---	---	---	---	---	---	---	---	---
31	890	882	886	---	---	---	---	---	---	---	---	---
MONTH	904	843	882	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	873	849	865	---	---	---	---	---	---	---	---	---
7	877	867	871	---	---	---	---	---	---	---	---	---
8	883	863	875	---	---	---	---	---	---	---	---	---
9	885	863	877	---	---	---	---	---	---	---	---	---
10	885	861	875	---	---	---	---	---	---	---	---	---
11	879	827	861	---	---	---	---	---	---	---	---	---
12	877	825	859	---	---	---	---	---	---	---	---	---
13	896	859	879	---	---	---	---	---	---	---	---	---
14	908	886	899	---	---	---	---	---	---	---	---	---
15	918	882	900	---	---	---	---	---	---	---	---	---
16	912	900	902	---	---	---	---	---	---	948	926	937
17	946	912	931	---	---	---	990	966	981	944	920	935
18	970	924	946	---	---	---	982	948	968	938	908	924
19	944	912	930	---	---	---	976	930	953	---	---	---
20	932	916	926	---	---	---	---	---	---	---	---	---
21	930	922	925	---	---	---	---	---	---	---	---	---
22	922	912	917	---	---	---	---	---	---	---	---	---
23	934	876	913	---	---	---	---	---	---	---	---	---
24	920	894	906	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	946	892	927
29	---	---	---	---	---	---	---	---	---	932	884	910
30	---	---	---	---	---	---	---	---	---	930	900	912
31	---	---	---	---	---	---	---	---	---	912	880	900
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	924	874	901	949	917	937	---	---	---	893	865	875
2	920	876	906	973	928	945	---	---	---	887	873	880
3	928	892	912	977	910	941	---	---	---	895	875	884
4	932	902	920	947	931	937	---	---	---	895	883	889
5	924	900	915	956	938	947	---	---	---	897	873	886
6	930	898	914	961	935	949	---	---	---	893	861	872
7	922	874	906	969	917	944	---	---	---	877	851	866
8	932	898	910	969	932	956	---	---	---	889	869	881
9	934	890	906	960	928	950	---	---	---	889	877	882
10	934	877	915	962	942	952	---	---	---	885	873	880
11	930	903	916	961	915	941	---	---	---	895	863	882
12	952	895	927	---	---	---	---	---	---	887	867	877
13	960	913	939	---	---	---	---	---	---	879	859	871
14	957	905	940	---	---	---	---	---	---	885	865	878
15	---	---	---	---	---	---	---	---	---	885	873	879
16	959	906	935	---	---	---	---	---	---	885	873	881
17	955	922	935	---	---	---	---	---	---	893	879	886
18	953	904	932	---	---	---	---	---	---	899	887	893
19	947	914	928	---	---	---	---	---	---	899	881	887
20	954	940	946	---	---	---	---	---	---	889	873	880
21	959	923	948	---	---	---	915	901	908	887	865	879
22	951	934	941	---	---	---	923	889	906	893	857	875
23	951	939	945	---	---	---	903	871	892	889	865	877
24	950	931	941	---	---	---	907	877	889	885	851	868
25	940	908	929	---	---	---	901	889	896	883	845	871
26	943	917	932	---	---	---	907	887	893	883	853	875
27	940	902	923	---	---	---	903	879	896	867	863	865
28	947	900	928	---	---	---	899	877	890	883	861	872
29	955	922	940	---	---	---	889	861	876	887	857	876
30	956	932	946	---	---	---	887	875	881	893	855	878
31	---	---	---	---	---	---	901	869	882	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	899	845	878

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	893	855	877	---	---	---	---	---	---	881	865	875
2	883	865	874	---	---	---	---	---	---	890	879	886
3	879	849	868	---	---	---	---	---	---	902	890	895
4	879	851	867	---	---	---	---	---	---	913	881	897
5	889	857	876	---	---	---	---	---	---	901	873	891
6	887	859	878	---	---	---	---	---	---	900	886	893
7	---	---	---	---	---	---	---	---	---	893	881	887
8	---	---	---	---	---	---	---	---	---	883	861	874
9	---	---	---	---	---	---	---	---	---	873	859	870
10	863	839	856	---	---	---	---	---	---	869	837	858
11	873	843	863	---	---	---	---	---	---	885	853	868
12	---	---	---	---	---	---	---	---	---	927	883	899
13	---	---	---	---	---	---	---	---	---	933	871	907
14	---	---	---	---	---	---	---	---	---	917	821	877
15	---	---	---	---	---	---	---	---	---	893	845	875
16	873	827	861	---	---	---	---	---	---	887	825	864
17	873	835	861	---	---	---	---	---	---	873	825	853
18	873	847	863	---	---	---	901	861	891	875	837	862
19	867	833	857	---	---	---	904	869	890	883	845	865
20	---	---	---	---	---	---	908	884	896	895	851	878
21	---	---	---	---	---	---	899	890	894	897	845	874
22	---	---	---	---	---	---	899	886	891	897	839	877
23	---	---	---	---	---	---	890	876	882	899	863	883
24	---	---	---	---	---	---	893	875	883	901	861	881
25	---	---	---	---	---	---	892	878	884	911	849	884
26	---	---	---	---	---	---	893	878	886	899	865	886
27	---	---	---	---	---	---	893	885	888	903	835	867
28	---	---	---	---	---	---	888	882	885	887	837	865
29	---	---	---	---	---	---	888	883	886	877	827	853
30	---	---	---	---	---	---	887	879	884	885	831	857
31	---	---	---	---	---	---	882	876	880	863	795	836
MONTH	---	---	---	---	---	---	---	---	---	933	795	875

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Specific conductance, microsiemens per centimeter at 25°C, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	917	877	898	---	---	---	---	---	---
2	---	---	---	922	880	904	---	---	---	---	---	---
3	---	---	---	931	888	907	---	---	---	---	---	---
4	---	---	---	913	867	894	---	---	---	---	---	---
5	898	881	887	930	890	917	---	---	---	---	---	---
6	909	896	901	935	924	929	---	---	---	---	---	---
7	911	897	906	935	911	927	---	---	---	---	---	---
8	904	884	892	926	902	918	---	---	---	946	932	938
9	888	859	872	931	899	918	---	---	---	959	913	946
10	870	847	860	930	915	923	---	---	---	967	914	949
11	870	852	861	932	910	925	---	---	---	935	919	927
12	871	837	861	941	927	934	---	---	---	936	915	924
13	892	860	872	960	925	933	---	---	---	936	923	929
14	910	880	891	952	922	937	990	936	968	943	919	929
15	913	877	901	943	915	932	1000	965	980	943	920	931
16	922	886	907	948	922	935	972	952	963	948	920	938
17	934	905	923	944	924	935	977	947	968	960	905	938
18	923	893	910	947	935	942	986	952	972	948	907	932
19	920	892	909	943	924	937	975	941	964	944	924	931
20	935	882	909	953	934	944	990	953	974	938	920	931
21	961	929	944	959	929	952	993	951	976	943	912	929
22	956	926	944	958	918	943	970	920	960	949	913	933
23	957	915	932	957	925	947	975	935	966	949	898	927
24	941	909	925	957	923	947	982	950	969	958	913	936
25	938	900	919	960	928	943	989	929	962	932	870	911
26	931	893	911	959	944	951	994	946	980	930	854	913
27	940	897	919	---	---	---	975	943	962	963	904	931
28	924	890	910	---	---	---	972	944	962	952	881	928
29	---	---	---	---	---	---	---	---	---	957	882	924
30	---	---	---	---	---	---	---	---	---	949	903	929
31	---	---	---	---	---	---	---	---	---	959	910	938
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1993												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	951	885	918	941	899	916	905	873	891	891	859	875
2	963	918	938	923	899	914	905	861	891	895	871	882
3	978	914	951	938	910	927	918	886	900	888	866	879
4	962	903	932	958	914	926	926	890	902	888	864	876
5	975	916	950	960	884	922	926	886	905	888	862	878
6	951	914	929	940	890	916	916	896	905	886	857	876
7	975	890	935	937	903	925	913	891	901	887	867	875
8	971	929	948	929	889	911	915	887	902	884	870	877
9	960	921	939	931	911	922	903	881	893	890	862	877
10	955	921	940	933	903	918	882	869	877	882	862	871
11	973	934	953	918	894	908	898	872	887	874	860	867
12	973	936	955	918	874	905	906	886	897	874	860	868
13	959	931	948	924	898	910	912	890	900	892	860	875
14	959	927	944	920	890	907	912	875	894	884	844	868
15	959	931	945	921	899	909	891	863	877	888	844	863
16	956	908	937	927	883	908	905	875	886	882	872	878
17	967	900	944	921	885	907	907	873	891	886	863	876
18	970	913	947	907	888	900	911	884	898	878	847	868
19	962	891	932	912	878	897	898	882	889	878	839	858
20	947	900	925	920	900	910	906	880	897	863	847	852
21	972	918	944	920	898	907	890	866	879	871	855	862
22	975	908	936	917	889	903	899	871	884	863	855	862
23	951	916	934	925	895	911	905	873	889	863	855	859
24	943	907	930	913	875	894	901	871	886	863	847	856
25	933	904	920	915	873	903	903	875	888	863	839	851
26	926	906	915	907	880	894	896	858	878	855	831	843
27	930	906	924	912	886	900	902	882	893	847	831	840
28	922	898	914	916	874	895	892	880	883	855	839	846
29	942	905	922	920	900	910	902	884	891	855	839	850
30	933	903	921	920	895	911	895	873	883	855	839	849
31	---	---	---	903	857	885	895	859	875	---	---	---
MONTH	978	885	936	960	857	909	926	858	891	895	831	865

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1994												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	847	831	844	847	831	840	823	804	817	737	690	712
2	855	839	844	847	823	839	826	808	821	737	690	715
3	847	839	843	855	823	841	836	796	821	745	706	727
4	847	816	842	847	839	844	832	807	821	776	722	746
5	839	831	839	863	847	849	833	810	823	776	729	758
6	847	839	840	863	847	854	838	805	824	808	753	779
7	855	831	844	855	831	842	847	807	828	816	753	790
8	847	839	846	855	831	843	836	805	826	800	753	773
9	847	839	847	855	839	848	846	775	817	784	753	768
10	855	831	847	855	847	848	849	811	830	776	737	759
11	839	823	833	847	831	842	835	789	815	784	729	760
12	839	831	837	847	823	839	841	776	811	769	729	755
13	847	816	835	847	839	844	889	773	825	761	729	747
14	847	839	846	855	839	848	836	743	793	761	737	752
15	855	831	844	847	831	843	840	746	788	761	729	752
16	847	839	843	839	831	834	845	757	794	769	745	757
17	847	839	844	839	831	836	840	791	818	761	745	759
18	847	839	845	847	831	839	857	804	832	769	737	761
19	855	839	851	839	823	832	859	768	819	769	737	765
20	863	839	852	839	808	829	825	763	795	776	753	766
21	847	839	843	839	823	832	812	751	782	784	745	767
22	847	831	842	839	823	827	800	761	785	769	698	751
23	847	831	842	831	816	823	776	729	760	761	698	750
24	847	831	838	847	823	841	761	714	734	769	722	747
25	847	831	840	855	831	843	761	714	739	776	729	757
26	847	831	841	847	823	837	769	714	742	776	722	748
27	847	816	832	826	793	814	761	698	728	800	737	765
28	847	831	839	827	811	820	737	690	716	784	729	764
29	847	816	841	830	809	820	729	667	706	800	745	776
30	847	823	840	818	804	814	737	682	711	808	769	788
31	839	823	835	---	---	---	729	682	708	808	745	775
MONTH	863	816	842	863	793	837	889	667	788	816	690	758

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1994												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	800	722	759	855	823	838	847	839	843	838	823	832
2	776	737	759	839	823	833	871	823	851	839	816	832
3	776	722	749	831	823	828	878	816	834	848	824	840
4	761	729	750	839	816	826	894	831	873	840	817	833
5	761	753	758	823	816	819	864	824	844	840	809	831
6	761	761	761	823	816	819	872	817	842	841	826	832
7	776	761	771	823	816	821	872	825	852	841	833	835
8	792	769	780	855	823	838	857	825	840	841	819	835
9	839	776	803	855	823	841	850	825	838	858	819	839
10	816	784	799	855	816	832	842	820	834	850	811	837
11	831	784	802	855	831	841	827	820	822	842	811	823
12	910	831	876	863	831	847	836	820	831	843	812	827
13	878	831	858	863	839	854	828	821	827	828	796	818
14	855	808	828	871	839	858	837	821	831	843	820	831
15	816	784	804	839	823	834	845	814	830	828	820	823
16	792	776	785	839	816	830	846	814	832	836	828	834
17	776	769	771	839	816	829	838	815	827	868	821	840
18	847	769	788	863	839	853	831	808	821	844	829	836
19	863	816	844	886	847	862	831	817	829	860	829	845
20	839	816	825	878	847	858	832	817	826	830	798	819
21	831	816	823	855	831	843	840	817	830	853	822	841
22	839	823	830	863	855	859	841	810	830	845	814	837
23	894	831	858	902	831	879	842	819	830	831	798	815
24	855	823	839	871	823	850	850	827	837	831	807	823
25	839	816	824	871	847	858	859	804	837	830	802	821
26	816	808	813	871	847	860	875	812	842	831	816	826
27	823	808	816	871	816	849	860	836	850	840	831	837
28	839	816	828	839	808	817	852	830	842	848	825	834
29	---	---	---	878	839	859	861	830	845	825	810	817
30	---	---	---	855	831	849	846	830	840	833	818	828
31	---	---	---	839	831	834	---	---	---	827	811	821
MONTH	910	722	804	902	808	843	894	804	837	868	796	830

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1994												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	843	819	832	831	785	817	784	761	771	753	737	744
2	843	812	822	832	801	819	776	753	765	745	722	741
3	829	813	820	825	809	817	769	737	757	769	698	747
4	830	814	826	818	787	808	769	737	759	800	729	760
5	823	798	808	826	795	815	769	753	761	800	737	766
6	831	815	823	819	796	810	761	753	756	753	737	744
7	824	816	822	811	796	801	761	737	754	769	729	750
8	847	808	825	811	773	795	776	745	759	753	722	739
9	840	801	827	797	781	792	784	745	763	722	698	708
10	818	801	808	797	773	790	761	737	755	706	682	692
11	826	810	817	805	781	790	761	737	749	698	682	692
12	819	803	807	805	765	790	776	745	759	698	682	693
13	836	803	818	797	758	779	769	753	760	722	690	699
14	843	812	826	790	774	786	753	729	747	706	667	692
15	837	813	824	790	774	783	761	745	755	714	682	697
16	830	806	818	790	766	781	761	745	749	682	674	680
17	839	798	819	801	759	784	816	745	757	706	674	686
18	823	799	812	801	767	783	823	761	798	706	690	698
19	808	793	802	807	767	785	808	761	786	698	682	687
20	833	800	817	808	775	796	894	769	831	698	682	690
21	833	809	825	831	784	810	886	737	827	690	682	685
22	834	802	816	823	800	815	800	745	767	698	682	688
23	818	795	807	808	784	797	769	737	756	769	690	717
24	827	796	812	808	784	796	753	729	744	745	729	737
25	804	781	799	800	784	792	745	737	740	737	729	736
26	813	790	809	823	792	807	745	737	741	745	737	739
27	837	790	818	816	792	801	745	729	739	737	729	731
28	845	791	821	823	784	802	776	722	749	737	729	734
29	822	806	815	816	784	799	753	729	743	737	729	736
30	823	800	815	792	745	768	745	729	740	737	729	734
31	---	---	---	792	745	761	753	737	742	---	---	---
MONTH	847	781	817	832	745	796	894	722	761	800	667	718

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1995												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	800	722	753	673	644	655	721	677	710	792	768	777
2	761	753	756	648	638	643	748	678	717	784	742	764
3	769	667	731	659	644	653	753	650	730	793	760	775
4	737	674	704	688	659	669	---	---	---	796	773	783
5	737	674	706	688	653	664	---	---	---	791	762	771
6	737	706	724	706	656	687	---	---	---	803	762	776
7	745	722	729	714	665	699	---	---	---	787	754	769
8	745	706	727	697	685	692	---	---	---	787	758	768
9	737	714	729	708	676	687	763	707	730	838	773	790
10	753	737	745	684	663	674	759	713	735	834	728	772
11	753	737	743	684	672	678	762	720	743	732	725	728
12	753	722	732	683	673	679	770	724	748	731	720	726
13	769	714	738	700	660	682	786	662	752	727	721	724
14	808	686	738	717	682	700	753	744	748	728	721	724
15	690	671	679	722	680	695	756	752	754	736	728	733
16	686	671	677	697	686	692	761	754	757	772	734	753
17	686	671	678	711	685	696	771	754	762	783	767	776
18	682	663	676	702	681	691	771	753	761	793	778	785
19	678	663	672	700	676	685	768	749	757	792	778	785
20	682	663	676	718	687	702	755	744	751	790	782	786
21	681	655	670	717	694	705	754	741	747	783	774	780
22	673	663	668	---	---	---	763	744	755	786	778	781
23	---	---	---	---	---	---	770	741	760	784	767	774
24	---	---	---	---	---	---	779	744	759	767	751	759
25	---	---	---	---	---	---	777	750	765	759	749	756
26	679	645	659	---	---	---	818	775	797	756	741	752
27	648	626	641	---	---	---	839	808	823	758	740	748
28	662	636	646	---	---	---	838	821	832	777	747	760
29	667	649	654	---	---	---	831	786	811	772	744	759
30	659	651	655	712	693	704	808	774	790	789	770	778
31	668	653	661	---	---	---	795	728	777	787	764	780
MONTH	---	---	---	---	---	---	---	---	---	838	720	764

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1995												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	786	763	778	842	820	834	---	---	---	902	862	876
2	783	735	766	857	830	843	---	---	---	878	870	873
3	780	697	746	860	839	855	---	---	---	878	831	856
4	783	720	758	854	840	848	---	---	---	917	862	893
5	781	720	759	869	844	856	---	---	---	862	843	855
6	800	726	767	877	847	856	855	843	850	882	855	871
7	798	735	772	877	855	862	---	---	---	898	851	865
8	803	750	783	866	848	857	---	---	---	905	843	879
9	803	772	790	860	845	849	---	---	---	902	874	889
10	801	757	783	901	833	861	---	---	---	886	862	873
11	810	763	788	879	870	875	---	---	---	862	855	855
12	824	780	801	913	872	897	917	878	899	886	855	866
13	841	789	818	932	868	900	905	866	885	925	823	883
14	876	792	832	909	864	890	925	866	885	929	823	891
15	874	813	851	922	887	911	909	870	887	870	847	860
16	862	813	840	913	893	905	953	886	921	866	815	838
17	847	796	825	893	880	887	909	874	891	878	847	865
18	829	792	815	892	878	887	917	890	901	870	835	854
19	814	790	806	884	860	875	917	882	902	874	843	862
20	814	800	807	868	859	863	913	851	884	847	831	837
21	821	767	806	894	862	877	902	855	879	851	831	843
22	846	795	815	---	---	---	905	894	897	855	847	852
23	834	809	821	---	---	---	905	882	899	851	823	845
24	824	817	820	---	---	---	913	878	895	878	835	857
25	825	816	820	---	---	---	905	874	888	878	835	863
26	832	823	827	---	---	---	905	858	882	874	843	852
27	829	800	818	---	---	---	905	858	879	855	823	844
28	837	801	824	---	---	---	902	874	887	855	823	839
29	---	---	---	---	---	---	886	862	875	847	815	828
30	---	---	---	---	---	---	909	858	889	847	831	841
31	---	---	---	---	---	---	---	---	---	855	843	850
MONTH	876	697	801	---	---	---	---	---	---	929	815	860

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Specific conductance, microsiemens per centimeter at 25°C, water year 1995												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	855	835	844	770	748	761	807	788	797	792	784	788
2	835	819	829	749	735	744	804	792	799	796	784	789
3	847	807	828	780	739	753	815	796	807	796	776	786
4	847	804	826	788	727	759	815	800	807	788	768	780
5	827	807	819	753	724	736	807	792	800	796	772	783
6	858	827	847	765	734	749	807	784	794	800	784	796
7	886	819	842	738	726	733	811	800	807	804	776	789
8	886	796	838	741	713	728	815	796	805	807	780	790
9	870	811	843	738	694	721	823	796	813	800	784	793
10	839	811	827	775	724	746	807	784	798	827	788	811
11	847	811	823	811	775	791	827	796	812	827	796	807
12	847	827	835	858	804	827	819	760	805	815	796	806
13	843	823	831	843	776	793	823	780	805	804	792	798
14	847	827	834	835	792	819	815	780	797	807	788	798
15	858	821	841	815	792	806	827	800	817	792	784	787
16	851	814	837	811	800	805	831	796	812	800	788	792
17	859	807	827	807	784	800	811	792	798	792	780	786
18	880	783	839	843	784	815	819	796	807	804	784	791
19	850	804	818	819	780	799	807	792	798	796	788	792
20	820	790	804	819	800	812	800	753	784	792	772	781
21	835	809	825	815	776	796	823	768	795	807	788	800
22	828	808	821	819	780	804	800	776	788	804	788	795
23	829	790	811	804	788	792	807	780	794	807	792	801
24	797	789	793	819	792	804	796	780	786	800	788	796
25	801	784	790	815	792	804	784	776	780	811	780	794
26	787	770	779	815	788	806	800	780	790	792	764	774
27	802	765	784	819	792	805	792	780	786	800	753	780
28	801	764	785	819	807	812	804	784	796	811	796	803
29	809	755	777	815	792	804	796	788	793	819	745	796
30	788	755	773	807	784	798	800	788	793	823	784	807
31	---	---	---	811	804	808	800	788	794	---	---	---
MONTH	886	755	819	858	694	785	831	753	799	827	745	793

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.2	8.1	8.1
2	---	---	---	---	---	---	---	---	---	8.4	8.1	8.2
3	---	---	---	---	---	---	---	---	---	8.4	8.3	8.3
4	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
5	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
6	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
7	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
8	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
9	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
10	---	---	---	---	---	---	---	---	---	8.4	8.2	8.3
11	---	---	---	---	---	---	---	---	---	8.4	8.2	8.3
12	---	---	---	---	---	---	---	---	---	8.3	8.1	8.2
13	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
14	---	---	---	---	---	---	---	---	---	8.1	8.0	8.0
15	---	---	---	---	---	---	---	---	---	8.1	8.0	8.0
16	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
17	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
18	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
19	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
20	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
21	---	---	---	---	---	---	---	---	---	8.0	7.9	8.0
22	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
23	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	8.0
24	---	---	---	---	---	---	8.1	8.0	8.0	8.1	7.9	8.0
25	---	---	---	---	---	---	8.1	8.0	8.0	8.1	8.0	8.1
26	---	---	---	---	---	---	8.3	8.0	8.1	8.2	8.0	8.1
27	---	---	---	---	---	---	8.2	8.1	8.1	8.2	8.0	8.1
28	---	---	---	---	---	---	8.2	8.1	8.1	8.0	7.9	8.0
29	---	---	---	---	---	---	8.2	8.1	8.1	8.0	7.9	8.0
30	---	---	---	---	---	---	8.2	8.1	8.1	8.0	7.9	7.9
31	---	---	---	---	---	---	8.2	8.1	8.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.4	7.9	8.1

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.9	7.9	8.0	7.9	8.0	7.9	7.8	7.8	8.1	7.9	8.0
2	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.8	8.0	7.9	8.0
3	7.9	7.8	7.9	7.9	7.9	7.9	7.9	7.7	7.9	8.0	7.9	8.0
4	8.0	7.8	7.9	7.9	7.8	7.9	7.9	7.7	7.8	8.2	8.0	8.1
5	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.8	8.0	7.9	8.0
6	8.0	7.9	7.9	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.9	8.0
7	8.0	7.9	8.0	7.9	7.8	7.9	7.9	7.7	7.9	8.0	7.9	8.0
8	8.0	7.9	7.9	7.9	7.8	7.8	7.9	7.7	7.8	8.0	7.9	8.0
9	8.0	7.8	7.9	7.8	7.8	7.8	7.9	7.7	7.8	8.0	7.9	8.0
10	7.9	7.8	7.9	7.9	7.8	7.8	7.9	7.7	7.8	8.0	7.9	8.0
11	7.9	7.8	7.9	7.9	7.8	7.8	8.0	7.8	7.9	8.0	7.9	7.9
12	7.9	7.8	7.8	7.9	7.8	7.9	8.0	7.8	7.9	8.0	7.9	8.0
13	7.9	7.8	7.8	7.9	7.8	7.8	8.0	7.8	7.9	8.0	7.9	8.0
14	7.9	7.8	7.8	7.8	7.8	7.8	8.1	7.8	8.0	8.1	7.9	8.1
15	7.9	7.8	7.8	7.9	7.8	7.8	8.1	8.1	8.1	8.1	8.0	8.0
16	8.0	7.9	7.9	7.9	7.8	7.8	8.1	8.1	8.1	8.1	8.0	8.1
17	8.0	7.9	7.9	7.8	7.8	7.8	8.1	8.0	8.1	8.1	8.0	8.0
18	8.0	7.9	7.9	7.8	7.8	7.8	8.1	8.0	8.0	8.1	8.0	8.0
19	8.2	7.9	8.0	7.8	7.8	7.8	8.2	8.0	8.1	8.1	7.9	8.0
20	8.1	7.9	7.9	7.9	7.7	7.8	8.2	8.0	8.1	8.1	8.0	8.0
21	8.0	7.9	7.9	7.9	7.7	7.8	8.2	8.1	8.1	8.1	8.0	8.0
22	8.0	7.9	7.9	7.9	7.7	7.8	8.2	8.1	8.1	8.1	8.0	8.0
23	8.0	7.9	7.9	7.8	7.7	7.8	8.2	8.1	8.2	8.1	8.0	8.0
24	7.9	7.8	7.8	7.8	7.7	7.8	8.2	8.1	8.2	8.1	8.0	8.0
25	7.9	7.9	7.9	7.8	7.7	7.7	8.2	8.2	8.2	8.0	8.0	8.0
26	7.9	7.9	7.9	8.0	7.7	7.9	8.2	8.2	8.2	8.2	8.0	8.1
27	8.0	7.9	7.9	7.9	7.8	7.8	8.2	8.1	8.2	8.2	8.1	8.1
28	8.0	7.9	7.9	7.9	7.8	7.9	8.1	8.0	8.1	8.2	8.1	8.2
29	8.0	7.9	7.9	7.9	7.8	7.9	8.1	8.0	8.1	8.2	8.1	8.1
30	8.0	7.9	8.0	7.9	7.8	7.8	8.1	7.9	8.0	8.3	8.0	8.1
31	8.0	7.9	7.9	---	---	---	8.0	7.9	8.0	8.2	8.0	8.1
MONTH	8.2	7.8	7.9	8.0	7.7	7.8	8.2	7.7	8.0	8.3	7.9	8.0

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	8.0	8.2	8.1	7.9	8.0	8.3	8.1	8.2	8.1	7.9	8.0
2	8.3	8.2	8.3	8.1	7.8	8.0	8.2	8.0	8.1	8.1	8.0	8.0
3	8.3	8.2	8.3	8.0	7.8	7.9	8.3	8.0	8.1	8.1	8.0	8.0
4	8.3	8.2	8.3	8.1	7.8	8.0	8.3	8.1	8.2	8.2	8.1	8.1
5	---	---	---	8.1	7.8	8.0	8.3	8.1	8.2	8.2	8.1	8.1
6	8.2	8.1	8.2	8.1	7.7	7.9	8.3	8.1	8.2	8.2	8.0	8.1
7	8.2	8.1	8.2	7.9	7.7	7.9	8.3	8.1	8.2	8.0	7.9	8.0
8	8.2	8.1	8.2	8.0	7.7	7.8	8.3	8.1	8.2	8.0	7.9	8.0
9	8.2	8.2	8.2	8.0	7.7	7.9	8.3	8.1	8.2	8.1	7.9	8.0
10	8.2	8.2	8.2	8.0	7.8	7.9	8.3	8.1	8.2	8.0	7.9	8.0
11	8.3	8.2	8.2	8.1	7.9	8.0	8.2	8.0	8.1	8.0	7.9	8.0
12	8.3	8.2	8.3	8.0	7.7	7.9	8.2	8.0	8.1	8.0	7.9	8.0
13	8.3	8.2	8.2	8.0	7.7	7.9	8.1	8.0	8.1	8.0	7.9	8.0
14	8.3	8.2	8.2	8.0	7.7	7.9	8.1	7.9	8.0	8.0	7.9	8.0
15	8.3	8.2	8.2	8.0	7.7	7.9	8.1	7.9	8.1	8.0	7.9	8.0
16	8.3	8.2	8.2	8.0	7.7	7.8	8.1	7.9	8.0	8.0	7.9	8.0
17	8.2	8.1	8.2	7.9	7.6	7.7	8.2	7.9	8.0	8.0	7.9	8.0
18	8.1	8.1	8.1	8.0	7.7	7.9	8.2	7.9	8.1	8.2	8.0	8.1
19	8.1	8.0	8.1	7.9	7.7	7.8	8.1	7.9	8.0	8.1	8.0	8.1
20	8.1	8.0	8.1	7.9	7.6	7.8	8.1	7.9	8.0	8.2	7.9	8.1
21	8.1	8.0	8.0	8.0	7.7	7.9	8.1	7.9	8.0	8.1	7.9	8.0
22	8.1	7.9	8.0	8.0	7.7	7.9	8.1	7.9	8.0	8.1	8.0	8.0
23	8.1	7.9	8.0	8.0	7.7	7.9	8.1	7.9	8.0	8.1	8.0	8.0
24	8.2	7.9	8.0	7.9	7.7	7.8	8.2	7.8	8.0	8.1	8.0	8.0
25	8.2	8.0	8.1	8.1	7.8	7.9	8.2	8.0	8.1	8.1	8.0	8.1
26	8.1	7.9	8.0	7.9	7.7	7.9	8.3	8.0	8.1	8.2	8.0	8.1
27	8.1	7.9	8.0	8.1	7.8	7.9	8.3	8.1	8.2	8.2	8.0	8.1
28	8.1	8.0	8.0	8.2	8.0	8.1	8.3	8.2	8.2	8.2	8.0	8.1
29	---	---	---	8.2	8.0	8.1	8.3	8.0	8.1	8.1	8.0	8.1
30	---	---	---	8.2	8.0	8.1	8.0	7.9	8.0	8.2	8.0	8.1
31	---	---	---	8.3	8.1	8.2	---	---	---	8.2	8.0	8.1
MONTH	---	---	---	8.3	7.6	7.9	8.3	7.8	8.1	8.2	7.9	8.0

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	8.1	8.2	8.0	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.0
2	8.3	8.1	8.2	7.9	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.1
3	8.3	8.1	8.2	7.9	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.0
4	8.2	8.0	8.1	7.9	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.0
5	8.1	7.9	8.0	7.9	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.0
6	8.0	7.9	8.0	7.9	7.8	7.8	7.9	7.8	7.9	8.1	8.0	8.0
7	8.1	7.9	8.0	7.9	7.8	7.9	7.9	7.8	7.9	8.1	7.9	8.0
8	8.2	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.0	7.9	8.0
9	8.1	7.9	8.0	8.0	7.8	7.9	7.8	7.7	7.7	8.0	7.9	8.0
10	8.0	7.9	8.0	8.0	7.9	8.0	7.8	7.7	7.7	8.0	7.9	8.0
11	8.0	7.9	8.0	8.0	8.0	8.0	7.8	7.7	7.7	7.9	7.8	7.9
12	8.0	7.9	8.0	8.0	7.9	8.0	7.8	7.7	7.7	8.0	7.8	7.9
13	8.0	7.9	8.0	8.2	8.0	8.1	7.8	7.7	7.7	8.0	7.8	7.9
14	8.0	7.9	7.9	8.2	8.0	8.1	7.8	7.7	7.7	8.0	7.9	7.9
15	8.0	7.9	8.0	8.1	8.0	8.0	7.9	7.7	7.8	8.0	7.9	7.9
16	8.1	7.9	8.0	8.0	8.0	8.0	7.9	7.8	7.8	8.0	7.9	7.9
17	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9
18	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.9	7.9	7.8	7.9
19	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.9	7.9	7.8	7.9
20	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9
21	8.0	7.9	7.9	8.0	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9
22	8.0	7.9	7.9	8.0	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9
23	8.1	7.9	8.0	8.0	7.9	7.9	8.0	7.8	7.9	7.9	7.8	7.9
24	8.0	7.9	7.9	8.0	7.9	8.0	8.0	7.9	7.9	7.9	7.8	7.9
25	8.0	7.9	7.9	8.0	7.9	8.0	8.0	7.9	7.9	7.9	7.8	7.9
26	7.9	7.9	7.9	8.0	7.9	8.0	8.0	7.9	7.9	7.9	7.9	7.9
27	7.9	7.9	7.9	8.1	8.0	8.0	8.0	7.9	7.9	8.0	7.9	7.9
28	8.0	7.9	7.9	8.1	8.0	8.0	8.0	7.9	7.9	8.0	7.9	7.9
29	8.0	7.9	8.0	8.1	7.9	8.0	8.0	7.9	7.9	8.0	7.9	7.9
30	8.0	7.9	8.0	8.0	7.9	8.0	8.1	7.9	8.0	8.0	7.9	7.9
31	---	---	---	8.0	7.8	7.9	8.1	8.0	8.0	---	---	---
MONTH	8.3	7.9	8.0	8.2	7.8	7.9	8.1	7.7	7.8	8.1	7.8	7.9

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.9	7.9	8.1	8.0	8.0	8.2	8.1	8.2	---	---	---
2	8.0	7.9	8.0	8.0	8.0	8.0	8.2	8.2	8.2	---	---	---
3	8.0	7.9	8.0	8.0	8.0	8.0	8.2	8.2	8.2	---	---	---
4	8.0	7.9	8.0	8.0	8.0	8.0	8.2	8.2	8.2	---	---	---
5	8.0	7.9	8.0	8.0	8.0	8.0	8.2	8.1	8.2	---	---	---
6	8.0	8.0	8.0	8.0	7.9	8.0	8.2	8.2	8.2	---	---	---
7	8.0	7.9	8.0	8.0	8.0	8.0	8.3	8.2	8.2	---	---	---
8	8.0	7.9	8.0	8.0	8.0	8.0	8.3	8.2	8.3	---	---	---
9	8.0	7.9	8.0	8.1	8.0	8.0	8.3	8.2	8.2	---	---	---
10	8.1	7.9	8.0	8.0	8.0	8.0	8.2	8.2	8.2	---	---	---
11	8.1	8.0	8.0	8.0	8.0	8.0	8.2	8.2	8.2	---	---	---
12	---	---	---	8.0	8.0	8.0	8.3	8.2	8.2	---	---	---
13	---	---	---	8.0	8.0	8.0	8.3	8.2	8.3	---	---	---
14	---	---	---	8.1	8.0	8.0	8.3	8.2	8.2	---	---	---
15	---	---	---	8.1	8.0	8.0	8.3	8.2	8.2	---	---	---
16	---	---	---	8.1	8.0	8.0	8.3	8.2	8.3	---	---	---
17	---	---	---	8.1	8.0	8.0	8.4	8.2	8.3	---	---	---
18	---	---	---	8.1	8.0	8.0	---	---	---	---	---	---
19	---	---	---	8.0	8.0	8.0	---	---	---	---	---	---
20	---	---	---	8.1	8.0	8.0	---	---	---	---	---	---
21	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
22	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
23	---	---	---	8.1	8.0	8.1	---	---	---	8.4	8.3	8.3
24	---	---	---	8.1	8.1	8.1	---	---	---	8.4	8.3	8.3
25	---	---	---	8.1	8.1	8.1	---	---	---	8.4	8.3	8.3
26	---	---	---	8.1	8.1	8.1	---	---	---	8.3	8.3	8.3
27	---	---	---	8.1	8.1	8.1	---	---	---	8.3	8.3	8.3
28	---	---	---	8.1	8.1	8.1	---	---	---	8.4	8.3	8.3
29	---	---	---	8.1	8.1	8.1	---	---	---	8.3	8.3	8.3
30	---	---	---	8.2	8.1	8.1	---	---	---	8.3	8.3	8.3
31	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
MONTH	---	---	---	8.2	7.9	8.0	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	8.3	8.3	8.2	8.1	8.1	---	---	---	---	---	---
2	8.3	8.3	8.3	8.2	8.0	8.1	---	---	---	---	---	---
3	8.3	8.3	8.3	8.1	8.0	8.0	8.4	8.2	8.3	---	---	---
4	8.3	8.3	8.3	8.1	8.0	8.1	8.4	8.2	8.3	---	---	---
5	8.4	8.3	8.3	8.1	8.0	8.0	8.4	8.2	8.3	---	---	---
6	8.4	8.3	8.3	8.1	8.0	8.0	8.4	8.2	8.3	---	---	---
7	8.3	8.3	8.3	8.1	8.0	8.0	---	---	---	---	---	---
8	8.3	8.3	8.3	8.1	8.0	8.0	---	---	---	---	---	---
9	---	---	---	8.1	8.0	8.0	---	---	---	---	---	---
10	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
11	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
12	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
13	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
14	8.2	8.2	8.2	8.1	7.9	8.0	---	---	---	---	---	---
15	8.2	8.1	8.2	8.1	7.9	8.0	---	---	---	---	---	---
16	8.2	8.1	8.2	8.1	7.9	8.0	---	---	---	---	---	---
17	8.2	8.1	8.1	8.1	7.9	8.0	---	---	---	---	---	---
18	8.2	8.0	8.1	8.1	7.9	8.0	---	---	---	---	---	---
19	8.1	8.0	8.1	8.1	7.9	8.0	---	---	---	---	---	---
20	8.1	8.0	8.1	8.3	7.9	8.1	---	---	---	---	---	---
21	8.1	8.0	8.1	8.3	8.0	8.2	---	---	---	---	---	---
22	8.2	8.1	8.1	8.4	8.0	8.2	---	---	---	---	---	---
23	8.2	8.1	8.1	8.4	8.1	8.3	---	---	---	---	---	---
24	8.2	8.1	8.2	---	---	---	---	---	---	---	---	---
25	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
26	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
27	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
28	8.1	8.1	8.1	8.4	8.2	8.3	---	---	---	---	---	---
29	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.1	8.0	8.0
2	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
3	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
4	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
5	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
6	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
7	---	---	---	---	---	---	---	---	---	8.1	8.0	8.0
8	---	---	---	---	---	---	---	---	---	8.0	7.7	7.9
9	---	---	---	---	---	---	---	---	---	7.9	7.9	7.9
10	---	---	---	---	---	---	---	---	---	7.9	7.8	7.9
11	---	---	---	---	---	---	---	---	---	7.9	7.8	7.9
12	---	---	---	---	---	---	---	---	---	7.9	7.8	7.9
13	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
14	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
15	---	---	---	---	---	---	---	---	---	8.0	7.9	7.9
16	---	---	---	---	---	---	---	---	---	8.0	7.9	8.0
17	---	---	---	---	---	---	---	---	---	8.1	7.9	8.0
18	---	---	---	---	---	---	---	---	---	8.1	8.0	8.0
19	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
20	---	---	---	---	---	---	---	---	---	8.2	8.1	8.1
21	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
22	---	---	---	---	---	---	---	---	---	8.2	8.1	8.2
23	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
24	---	---	---	---	---	---	---	---	---	8.3	8.1	8.2
25	---	---	---	---	---	---	---	---	---	8.2	8.1	8.2
26	---	---	---	---	---	---	8.1	8.1	8.1	8.4	8.0	8.2
27	---	---	---	---	---	---	8.1	8.0	8.0	8.4	8.3	8.4
28	---	---	---	---	---	---	8.0	7.9	8.0	8.4	8.2	8.3
29	---	---	---	---	---	---	8.0	7.9	8.0	8.3	8.1	8.2
30	---	---	---	---	---	---	8.2	7.9	8.0	---	---	---
31	---	---	---	---	---	---	8.0	8.0	8.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
2	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
3	8.1	7.9	7.9	---	---	---	---	---	---	---	---	---
4	8.1	7.9	8.0	---	---	---	---	---	---	---	---	---
5	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
6	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
7	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
8	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
9	8.1	7.9	8.0	---	---	---	---	---	---	---	---	---
10	8.1	8.0	8.1	---	---	---	---	---	---	---	---	---
11	8.1	8.0	8.1	---	---	---	---	---	---	---	---	---
12	8.1	8.0	8.1	---	---	---	---	---	---	---	---	---
13	8.1	8.0	8.0	---	---	---	---	---	---	---	---	---
14	8.0	7.9	8.0	---	---	---	---	---	---	---	---	---
15	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
16	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
17	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
18	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
19	7.9	7.8	7.9	---	---	---	---	---	---	---	---	---
20	7.9	7.8	7.9	---	---	---	---	---	---	---	---	---
21	8.0	7.7	7.9	---	---	---	---	---	---	---	---	---
22	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
23	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Concentrations of dissolved oxygen, in milligrams per liter, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.1	6.4	7.0
2	---	---	---	---	---	---	---	---	---	8.4	6.5	7.2
3	---	---	---	---	---	---	---	---	---	9.7	7.3	7.9
4	---	---	---	---	---	---	---	---	---	8.9	6.7	7.3
5	---	---	---	---	---	---	---	---	---	9.0	6.5	7.0
6	---	---	---	---	---	---	---	---	---	8.6	6.4	6.9
7	---	---	---	---	---	---	---	---	---	8.0	6.4	6.8
8	---	---	---	---	---	---	---	---	---	9.0	6.4	6.9
9	---	---	---	---	---	---	---	---	---	8.2	6.4	7.0
10	---	---	---	---	---	---	---	---	---	7.9	6.5	6.9
11	---	---	---	---	---	---	---	---	---	8.7	6.4	7.2
12	---	---	---	---	---	---	---	---	---	8.5	6.5	7.1
13	---	---	---	---	---	---	---	---	---	8.6	6.5	7.1
14	---	---	---	---	---	---	---	---	---	8.2	6.4	7.1
15	---	---	---	---	---	---	---	---	---	9.6	8.3	8.6
16	---	---	---	---	---	---	---	---	---	9.3	8.1	8.5
17	---	---	---	---	---	---	---	---	---	9.2	6.6	7.8
18	---	---	---	---	---	---	---	---	---	7.6	6.6	6.9
19	---	---	---	---	---	---	---	---	---	7.8	6.6	6.9
20	---	---	---	---	---	---	---	---	---	7.5	6.5	6.8
21	---	---	---	---	---	---	---	---	---	7.7	6.6	7.0
22	---	---	---	---	---	---	---	---	---	7.6	6.6	6.9
23	---	---	---	---	---	---	7.4	6.4	6.8	7.3	6.4	6.7
24	---	---	---	---	---	---	8.2	6.4	6.8	7.7	6.6	7.0
25	---	---	---	---	---	---	8.5	6.3	7.0	7.7	6.6	6.9
26	---	---	---	---	---	---	9.9	6.5	7.5	7.8	6.5	6.9
27	---	---	---	---	---	---	8.6	6.5	7.3	7.8	6.5	6.9
28	---	---	---	---	---	---	8.4	6.4	6.9	8.5	6.6	7.3
29	---	---	---	---	---	---	8.1	6.3	6.8	9.0	8.2	8.4
30	---	---	---	---	---	---	8.3	6.2	6.8	9.1	8.1	8.4
31	---	---	---	---	---	---	7.7	6.3	6.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.7	6.4	7.2

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.2	7.3	8.2	8.3	7.4	7.9	---	---	---	---	---	---
2	9.5	7.0	7.6	---	---	---	---	---	---	---	---	---
3	9.8	7.1	7.7	---	---	---	---	---	---	---	---	---
4	9.6	7.1	7.7	---	---	---	---	---	---	---	---	---
5	9.5	7.1	7.7	---	---	---	---	---	---	---	---	---
6	9.9	7.2	7.8	---	---	---	---	---	---	---	---	---
7	10.2	7.2	7.9	---	---	---	---	---	---	---	---	---
8	10.1	7.5	8.0	---	---	---	---	---	---	---	---	---
9	10.0	7.4	7.9	---	---	---	---	---	---	---	---	---
10	9.9	7.4	7.9	---	---	---	---	---	---	---	---	---
11	9.0	7.3	7.7	---	---	---	---	---	---	---	---	---
12	8.2	7.2	7.5	---	---	---	---	---	---	---	---	---
13	8.9	8.1	8.3	---	---	---	---	---	---	---	---	---
14	8.6	8.0	8.2	---	---	---	---	---	---	---	---	---
15	10.5	7.6	8.4	---	---	---	---	---	---	---	---	---
16	8.0	7.5	7.7	---	---	---	---	---	---	---	---	---
17	8.0	7.7	7.8	---	---	---	---	---	---	---	---	---
18	8.0	7.6	7.8	---	---	---	---	---	---	---	---	---
19	8.1	7.4	7.7	---	---	---	---	---	---	---	---	---
20	8.1	7.8	7.9	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	8.0	7.5	7.8	---	---	---	---	---	---	---	---	---
24	7.7	7.3	7.5	---	---	---	---	---	---	---	---	---
25	7.6	7.3	7.4	---	---	---	---	---	---	---	---	---
26	7.7	7.5	7.6	---	---	---	---	---	---	---	---	---
27	8.3	7.7	8.0	---	---	---	---	---	---	---	---	---
28	8.4	7.8	8.0	---	---	---	---	---	---	---	---	---
29	8.4	7.5	8.0	---	---	---	---	---	---	---	---	---
30	8.2	7.5	7.8	---	---	---	---	---	---	---	---	---
31	8.0	7.0	7.4	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	10.5	7.4	9.1	10.1	7.2	8.4
2	---	---	---	---	---	---	8.5	7.0	7.6	10.1	7.9	8.9
3	---	---	---	---	---	---	9.8	6.8	7.7	9.7	7.6	8.4
4	---	---	---	---	---	---	8.7	7.0	7.7	10.1	9.7	10.0
5	---	---	---	---	---	---	9.8	6.9	7.9	10.1	9.7	10.0
6	---	---	---	---	---	---	9.1	7.4	8.1	10.2	7.4	9.3
7	---	---	---	---	---	---	10.2	7.1	8.2	8.7	7.2	7.7
8	---	---	---	---	---	---	9.9	7.8	8.8	8.0	7.2	7.6
9	---	---	---	---	---	---	9.8	7.4	8.3	8.8	7.3	7.9
10	---	---	---	---	---	---	9.0	7.2	7.9	8.0	7.4	7.7
11	---	---	---	---	---	---	8.2	7.1	7.7	8.3	7.4	7.8
12	---	---	---	---	---	---	8.4	7.1	7.8	8.7	7.5	7.8
13	---	---	---	---	---	---	8.3	7.1	7.6	8.1	7.2	7.6
14	---	---	---	---	---	---	9.9	7.6	8.4	8.9	7.3	7.8
15	---	---	---	---	---	---	9.5	7.7	8.4	8.1	7.3	7.7
16	---	---	---	---	---	---	8.9	7.3	8.0	8.5	7.3	7.7
17	---	---	---	---	---	---	9.4	7.5	8.3	10.1	7.3	8.3
18	---	---	---	---	---	---	8.8	7.3	8.0	10.1	10.1	10.1
19	---	---	---	---	---	---	8.9	7.5	8.1	10.2	9.1	9.7
20	---	---	---	---	---	---	10.1	8.6	9.1	9.8	7.5	8.3
21	---	---	---	---	---	---	10.2	8.6	9.2	8.3	7.0	7.6
22	---	---	---	---	---	---	10.0	8.1	8.8	8.3	7.1	7.7
23	---	---	---	---	---	---	9.1	7.5	8.0	8.4	7.3	7.8
24	---	---	---	---	---	---	10.0	7.0	8.3	8.3	7.2	7.8
25	---	---	---	---	---	---	9.9	7.9	9.0	8.4	7.3	7.8
26	---	---	---	---	---	---	9.9	7.4	8.5	8.6	7.4	7.9
27	---	---	---	---	---	---	9.9	8.0	9.2	8.5	7.3	7.9
28	---	---	---	8.4	6.6	7.3	10.1	9.9	10.0	8.4	7.3	7.8
29	---	---	---	9.1	6.9	7.9	11.2	8.6	10.3	8.5	7.4	7.9
30	---	---	---	9.9	7.7	8.7	8.8	6.7	7.7	8.6	7.4	8.0
31	---	---	---	10.4	8.8	9.7	---	---	---	9.0	7.6	8.1
MONTH	---	---	---	---	---	---	11.2	6.7	8.4	10.2	7.0	8.2

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.9	8.7	9.3	8.4	6.8	7.6	8.3	7.2	7.7	8.0	7.1	7.6
2	10.6	8.9	9.5	7.4	6.8	7.0	8.5	7.5	7.9	8.3	7.3	7.8
3	10.0	7.8	8.9	7.5	6.7	7.0	8.5	7.4	7.9	8.0	7.2	7.6
4	9.5	7.5	8.1	7.5	7.0	7.3	8.5	7.3	7.8	8.1	7.1	7.6
5	9.6	7.6	8.2	7.7	7.1	7.3	8.3	7.3	7.7	8.0	7.2	7.6
6	9.6	7.4	8.0	7.6	7.0	7.2	8.5	7.3	7.8	7.8	7.2	7.5
7	9.4	7.4	7.9	7.6	6.9	7.2	8.5	7.3	7.8	7.9	7.2	7.5
8	9.8	7.3	7.9	7.5	6.9	7.2	7.9	7.2	7.5	8.3	7.1	7.7
9	10.5	7.3	8.1	7.8	7.0	7.4	7.9	7.0	7.5	8.2	7.4	7.8
10	8.8	7.6	7.9	7.9	7.3	7.6	8.2	7.1	7.6	8.1	7.3	7.7
11	8.7	7.5	7.9	8.0	7.3	7.6	7.9	7.1	7.5	8.1	7.2	7.6
12	8.7	7.5	7.8	9.6	7.1	8.0	8.0	7.1	7.5	7.9	7.1	7.5
13	8.7	7.5	7.8	10.0	9.6	9.9	7.9	7.1	7.5	7.7	6.8	7.2
14	8.6	7.4	7.8	10.0	9.5	9.8	7.8	7.0	7.4	7.6	6.8	7.2
15	8.8	7.5	8.0	9.9	7.4	8.8	7.9	7.1	7.5	7.9	6.8	7.4
16	8.8	7.6	8.1	8.3	7.3	7.6	8.0	7.1	7.5	7.9	7.0	7.4
17	8.4	7.6	7.9	8.6	7.3	7.7	7.8	7.1	7.4	7.5	6.7	7.0
18	8.3	7.4	7.8	8.8	7.4	7.7	8.0	7.0	7.5	7.2	6.4	6.8
19	8.4	7.5	7.9	8.1	7.2	7.6	7.9	7.2	7.6	7.6	6.5	7.0
20	8.2	7.3	7.7	7.9	7.2	7.5	7.9	7.0	7.5	7.5	6.7	7.0
21	8.2	7.1	7.4	8.5	7.2	7.7	7.9	7.0	7.4	7.6	6.6	7.1
22	9.0	7.0	7.5	8.6	7.3	7.7	7.8	7.0	7.4	7.9	6.6	7.2
23	10.2	7.1	7.9	8.2	7.3	7.6	7.9	7.1	7.5	7.7	6.9	7.2
24	8.4	7.1	7.5	8.5	7.2	7.7	8.1	7.2	7.6	7.6	6.7	7.1
25	7.9	7.0	7.3	8.5	7.2	7.6	8.2	7.1	7.7	7.4	6.7	7.1
26	7.8	7.0	7.3	9.6	7.2	8.1	8.0	7.2	7.5	7.5	6.7	7.1
27	7.7	7.0	7.2	10.0	9.6	9.9	8.0	7.1	7.5	7.5	6.8	7.1
28	8.2	7.0	7.5	10.0	9.8	9.9	8.0	7.2	7.5	7.4	6.7	7.1
29	8.9	8.2	8.4	9.9	7.4	8.9	8.0	7.1	7.5	7.9	6.8	7.4
30	9.0	8.1	8.4	8.4	7.2	7.6	7.9	7.1	7.4	7.7	7.0	7.4
31	---	---	---	8.0	7.1	7.5	7.9	7.0	7.5	---	---	---
MONTH	10.6	7.0	8.0	10.0	6.7	7.9	8.5	7.0	7.6	8.3	6.4	7.3

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	6.8	7.4	7.5	6.9	7.2	8.1	7.6	7.9	---	---	---
2	7.9	7.1	7.5	7.2	6.5	6.9	8.0	7.5	7.8	---	---	---
3	7.8	7.0	7.4	7.4	6.6	7.0	8.1	7.6	7.8	---	---	---
4	7.7	7.1	7.5	7.0	6.6	6.8	8.1	7.6	7.7	---	---	---
5	7.9	7.1	7.5	7.0	6.3	6.6	8.0	7.4	7.7	---	---	---
6	7.9	7.5	7.7	7.1	6.4	6.7	8.2	7.6	7.9	---	---	---
7	7.7	7.2	7.5	7.5	6.5	7.0	8.3	7.7	8.0	---	---	---
8	7.7	7.1	7.5	7.6	6.7	7.1	8.3	7.8	8.1	---	---	---
9	7.7	7.1	7.5	7.5	6.7	7.1	8.3	7.8	8.1	---	---	---
10	7.6	7.1	7.4	7.3	6.8	7.1	8.1	7.7	8.0	---	---	---
11	7.6	6.9	7.3	7.5	6.8	7.1	8.1	7.7	7.9	---	---	---
12	7.5	6.9	7.3	7.3	6.6	6.9	7.9	7.6	7.8	---	---	---
13	7.5	6.9	7.3	7.3	6.6	6.9	7.9	7.3	7.6	---	---	---
14	7.5	7.1	7.3	7.2	6.5	6.9	7.8	7.3	7.5	---	---	---
15	7.5	6.9	7.2	7.4	6.6	6.9	7.8	7.1	7.5	---	---	---
16	7.5	6.9	7.2	7.5	6.5	7.0	7.9	7.4	7.7	---	---	---
17	7.4	6.8	7.2	7.5	6.9	7.2	8.1	7.4	7.7	---	---	---
18	7.6	6.7	7.2	7.5	7.0	7.2	---	---	---	---	---	---
19	7.7	7.0	7.4	7.5	6.9	7.2	---	---	---	---	---	---
20	7.7	7.2	7.5	7.6	6.9	7.2	---	---	---	---	---	---
21	7.6	7.1	7.4	7.7	6.8	7.3	---	---	---	---	---	---
22	7.6	7.1	7.4	7.7	6.9	7.3	---	---	---	---	---	---
23	7.7	7.1	7.4	7.8	7.1	7.4	---	---	---	8.5	8.2	8.3
24	7.8	7.1	7.5	7.9	7.2	7.5	---	---	---	8.5	8.1	8.3
25	7.8	7.1	7.5	7.8	7.3	7.5	---	---	---	8.6	8.1	8.3
26	7.9	7.2	7.6	7.7	7.1	7.4	---	---	---	8.6	8.1	8.4
27	7.8	7.5	7.6	7.7	7.0	7.4	---	---	---	8.5	8.2	8.3
28	8.2	7.7	7.9	8.0	7.2	7.6	---	---	---	8.6	8.1	8.3
29	7.8	7.4	7.6	7.8	7.2	7.5	---	---	---	8.7	8.1	8.4
30	8.0	7.3	7.6	7.9	7.1	7.5	---	---	---	8.7	8.3	8.5
31	7.9	7.3	7.6	---	---	---	---	---	---	8.8	8.3	8.6
MONTH	8.3	6.7	7.4	8.0	6.3	7.1	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.8	8.4	8.6	8.2	7.6	8.0	8.5	7.0	7.7	8.3	7.2	7.8
2	8.9	8.3	8.6	8.2	7.7	8.0	8.5	6.9	7.6	8.7	7.0	7.8
3	8.8	8.4	8.6	8.3	7.5	7.9	8.7	6.8	7.7	8.9	7.1	7.8
4	9.0	8.4	8.7	8.3	7.5	7.9	8.6	6.8	7.7	8.9	7.5	8.1
5	9.0	8.6	8.8	8.2	7.4	7.8	8.9	6.8	7.7	8.6	7.2	7.8
6	9.0	8.5	8.7	8.1	7.2	7.7	8.9	7.2	7.9	8.3	7.2	7.8
7	8.8	8.5	8.7	7.9	7.2	7.6	8.1	6.8	7.5	8.8	7.4	8.1
8	9.0	8.4	8.7	7.8	7.3	7.6	8.0	6.8	7.4	8.5	7.2	7.9
9	9.1	8.4	8.7	8.0	7.2	7.6	8.2	6.6	7.5	8.9	7.3	8.0
10	8.9	8.5	8.8	8.2	7.2	7.7	8.4	6.8	7.6	9.3	7.3	8.0
11	9.0	8.6	8.8	8.0	7.4	7.7	8.2	6.8	7.5	9.3	7.4	8.0
12	9.1	8.5	8.8	8.2	7.3	7.7	8.6	6.6	7.5	9.0	7.5	8.2
13	9.0	8.2	8.6	8.3	7.3	7.8	8.6	7.1	7.9	9.0	7.4	8.1
14	8.7	7.9	8.2	8.1	7.3	7.8	8.6	6.9	7.7	8.7	7.7	8.2
15	8.2	7.8	8.0	8.4	7.3	7.9	8.2	6.8	7.5	8.9	7.5	8.1
16	8.9	7.8	8.3	8.3	7.3	7.9	8.7	6.9	7.7	8.9	7.1	7.9
17	8.3	7.3	7.6	8.0	7.1	7.6	8.5	6.6	7.5	9.4	7.3	8.1
18	7.8	6.8	7.3	8.2	7.3	7.8	9.4	7.0	8.1	9.2	7.5	8.2
19	8.0	7.0	7.5	8.1	7.1	7.6	9.1	7.4	8.2	8.3	7.2	7.7
20	8.0	7.3	7.6	8.0	6.8	7.4	9.0	7.1	7.9	8.6	7.0	7.6
21	8.1	7.5	7.8	8.1	6.7	7.4	8.5	6.8	7.6	8.8	7.0	7.8
22	8.3	7.6	7.9	9.6	7.0	7.9	9.0	6.9	7.8	8.6	7.3	7.9
23	8.4	7.6	8.0	8.8	7.2	7.9	8.5	7.1	7.7	9.5	7.3	8.1
24	8.3	7.8	8.1	8.8	6.7	7.6	8.7	6.8	7.7	8.7	7.3	7.9
25	8.3	7.8	8.1	8.7	6.9	7.7	9.5	7.2	8.0	9.2	7.6	8.2
26	8.2	7.6	7.9	8.5	6.7	7.5	9.5	7.5	8.3	9.2	7.6	8.2
27	8.3	7.6	7.9	7.6	6.6	7.1	9.8	7.6	8.5	8.5	7.2	7.8
28	8.2	7.6	7.9	8.4	6.6	7.5	8.9	7.3	8.0	8.6	7.2	7.8
29	8.4	7.5	7.9	9.8	6.9	8.0	8.6	7.3	7.9	9.0	7.6	8.2
30	---	---	---	8.9	7.0	7.9	8.9	7.1	7.9	9.7	7.8	8.3
31	---	---	---	8.2	7.0	7.5	---	---	---	9.7	8.1	8.6
MONTH	9.1	6.8	8.2	9.8	6.6	7.7	9.8	6.6	7.8	9.7	7.0	8.0

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.6	7.8	8.5	8.1	7.3	7.7	8.1	7.2	7.6	8.8	7.3	7.9
2	8.9	7.8	8.2	8.1	7.3	7.7	8.3	7.2	7.7	8.4	7.2	7.7
3	8.5	7.7	8.1	9.0	7.0	8.0	7.9	7.2	7.6	8.3	7.2	7.7
4	8.7	7.3	8.0	8.7	7.4	8.1	8.1	7.2	7.6	8.5	7.1	7.7
5	8.7	7.5	8.0	8.2	7.3	7.8	8.1	7.2	7.6	8.6	7.1	7.8
6	9.4	7.4	8.2	8.0	7.2	7.7	7.9	7.3	7.6	8.9	7.4	8.1
7	9.7	7.5	8.3	7.9	7.3	7.6	8.0	7.2	7.6	8.9	7.5	8.1
8	9.7	7.9	8.5	7.8	7.2	7.5	8.2	7.2	7.7	8.0	7.1	7.6
9	9.0	7.7	8.2	8.2	7.3	7.7	8.3	7.3	7.8	8.0	7.0	7.5
10	9.0	7.5	8.2	8.0	7.1	7.6	8.1	7.6	7.8	8.0	7.0	7.5
11	8.9	7.7	8.2	7.9	7.2	7.6	8.0	7.3	7.7	8.1	7.0	7.6
12	8.7	7.6	8.1	8.2	7.3	7.7	8.1	7.2	7.6	9.0	7.2	8.0
13	9.0	7.7	8.3	7.9	7.3	7.6	8.1	7.3	7.7	8.8	7.3	8.0
14	10.2	8.0	8.7	8.5	7.2	7.7	8.0	7.2	7.6	8.6	7.4	7.9
15	---	---	---	7.9	7.2	7.6	8.1	7.2	7.6	8.1	7.2	7.7
16	9.5	7.4	8.3	7.9	7.1	7.5	8.4	7.2	7.8	8.2	7.1	7.7
17	8.9	7.5	8.2	7.9	7.1	7.5	7.9	7.4	7.7	7.8	7.1	7.5
18	9.8	7.3	8.3	8.0	7.2	7.6	7.9	7.2	7.6	7.4	6.6	7.0
19	9.3	7.5	8.3	8.8	7.1	7.8	8.1	7.3	7.7	7.7	6.7	7.1
20	9.3	7.3	8.1	8.4	7.3	7.7	8.5	7.4	7.9	7.7	6.6	7.2
21	9.6	7.2	8.1	7.9	7.1	7.5	8.1	7.2	7.7	7.7	6.9	7.3
22	9.6	7.5	8.2	7.9	7.1	7.5	8.4	7.4	7.8	7.5	6.6	7.1
23	8.3	7.2	7.7	7.9	7.1	7.5	9.2	7.3	8.0	7.5	6.6	7.1
24	8.5	7.1	7.8	7.8	7.2	7.4	8.3	7.5	7.9	7.5	6.6	7.1
25	8.9	7.4	8.0	8.0	7.1	7.6	8.0	7.3	7.6	7.6	6.7	7.2
26	8.9	7.4	8.0	8.2	7.0	7.6	8.2	7.3	7.7	7.7	6.7	7.3
27	8.9	7.3	8.0	8.1	7.3	7.7	8.2	7.2	7.7	7.8	6.9	7.5
28	9.0	7.1	8.0	8.0	7.1	7.5	8.6	7.1	7.8	7.8	6.9	7.3
29	8.4	7.3	7.8	7.9	7.2	7.6	8.7	7.2	7.8	7.7	6.7	7.2
30	8.3	7.3	7.8	7.9	7.2	7.5	8.0	7.2	7.7	7.5	6.8	7.3
31	---	---	---	8.1	7.2	7.6	8.0	7.4	7.6	---	---	---
MONTH	---	---	---	9.0	7.0	7.6	9.2	7.1	7.7	9.0	6.6	7.5

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.8	6.7	7.3	7.7	7.1	7.5	8.6	7.6	8.1	9.5	8.4	8.9
2	7.9	7.1	7.6	7.8	6.9	7.4	8.4	7.8	8.1	9.3	8.3	8.8
3	8.1	7.3	7.7	7.7	7.0	7.4	8.7	7.8	8.0	9.1	8.4	8.7
4	8.1	7.5	7.8	7.7	6.8	7.3	8.2	7.6	8.0	9.0	8.3	8.5
5	7.9	7.3	7.7	7.6	6.8	7.2	8.6	7.9	8.3	9.0	8.1	8.6
6	8.4	7.2	7.8	7.7	6.8	7.2	8.8	8.0	8.3	8.7	8.2	8.5
7	8.2	7.4	7.9	7.5	6.7	7.1	8.8	8.1	8.4	9.2	8.3	8.6
8	8.4	7.4	7.9	7.6	6.7	7.2	8.4	8.0	8.2	8.9	7.9	8.4
9	8.0	7.4	7.7	7.7	6.9	7.3	8.5	8.0	8.3	9.2	8.0	8.6
10	7.8	7.1	7.5	7.6	6.7	7.1	8.7	8.0	8.4	9.4	8.1	8.8
11	7.8	7.1	7.5	8.0	7.1	7.5	8.7	7.8	8.1	9.4	8.1	8.7
12	7.9	7.3	7.7	7.8	7.1	7.4	8.5	7.2	7.9	8.3	7.3	7.9
13	7.9	7.2	7.6	7.7	6.9	7.3	7.9	7.3	7.5	8.2	7.2	7.6
14	7.9	6.8	7.4	7.7	6.9	7.3	8.9	6.7	8.1	8.7	7.5	8.0
15	7.8	6.9	7.4	7.9	6.9	7.5	7.0	6.6	6.8	8.6	7.8	8.2
16	8.0	6.9	7.4	7.8	7.2	7.5	7.5	6.9	7.2	9.2	8.0	8.6
17	7.7	7.1	7.4	7.8	6.9	7.4	8.1	7.5	7.8	9.8	8.4	9.1
18	7.7	7.1	7.4	8.0	6.9	7.5	7.9	7.4	7.7	9.5	8.6	9.0
19	7.6	7.1	7.4	8.0	7.1	7.5	8.1	7.4	7.7	9.4	8.3	8.8
20	7.5	6.9	7.3	8.4	7.1	7.8	8.1	7.5	7.8	8.7	8.1	8.4
21	7.5	6.9	7.2	8.0	7.5	7.7	8.1	7.6	7.9	9.1	7.9	8.4
22	7.8	6.9	7.4	8.3	7.3	7.8	8.4	7.6	8.0	9.2	8.0	8.5
23	7.8	7.0	7.4	8.2	7.4	7.8	8.8	7.9	8.3	8.9	8.1	8.4
24	7.8	7.0	7.5	8.1	7.5	7.8	8.9	7.9	8.3	8.6	8.1	8.3
25	7.7	7.1	7.3	8.2	7.4	7.8	8.8	8.0	8.4	8.4	8.1	8.2
26	7.7	7.0	7.4	8.4	7.6	8.0	8.8	8.0	8.4	8.5	8.1	8.3
27	7.7	7.0	7.4	8.3	7.7	8.1	9.1	8.0	8.5	9.0	8.0	8.4
28	7.6	7.0	7.3	8.4	7.6	8.0	9.2	8.1	8.6	9.2	8.2	8.6
29	7.5	6.9	7.3	8.4	7.6	8.0	8.9	8.0	8.4	9.5	8.3	8.9
30	7.5	6.8	7.2	9.1	7.7	8.1	9.3	8.2	8.6	9.2	8.5	8.9
31	7.8	6.9	7.4	---	---	---	9.4	8.3	8.8	9.9	8.6	9.3
MONTH	8.4	6.7	7.5	9.1	6.7	7.5	9.4	6.6	8.1	9.9	7.2	8.5

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.0	9.2	9.6	---	---	---	8.5	6.7	7.6	---	---	---
2	9.8	8.8	9.3	---	---	---	9.4	6.7	7.8	---	---	---
3	9.9	8.7	9.4	---	---	---	9.7	7.1	8.0	---	---	---
4	---	---	---	---	---	---	9.6	7.1	8.1	---	---	---
5	---	---	---	---	---	---	9.0	7.0	7.9	---	---	---
6	---	---	---	---	---	---	8.5	6.8	7.7	---	---	---
7	---	---	---	---	---	---	8.3	6.8	7.6	---	---	---
8	---	---	---	---	---	---	8.5	6.9	7.7	---	---	---
9	---	---	---	---	---	---	9.2	6.6	7.7	---	---	---
10	---	---	---	---	---	---	9.5	7.1	8.1	---	---	---
11	---	---	---	---	---	---	9.9	7.4	8.5	---	---	---
12	---	---	---	9.3	7.6	8.4	9.9	7.3	8.4	---	---	---
13	---	---	---	9.2	7.5	8.4	8.3	7.0	7.7	---	---	---
14	---	---	---	9.4	7.4	8.3	8.4	6.8	7.6	---	---	---
15	---	---	---	9.2	7.4	8.2	---	---	---	---	---	---
16	---	---	---	9.6	7.2	8.2	---	---	---	---	---	---
17	---	---	---	9.1	7.2	7.9	---	---	---	---	---	---
18	---	---	---	8.8	7.1	7.9	---	---	---	---	---	---
19	---	---	---	9.4	7.3	8.2	---	---	---	---	---	---
20	---	---	---	9.4	7.3	8.2	---	---	---	---	---	---
21	---	---	---	9.3	7.0	8.0	---	---	---	---	---	---
22	---	---	---	9.1	7.2	8.1	---	---	---	---	---	---
23	---	---	---	8.9	7.0	7.9	---	---	---	---	---	---
24	---	---	---	9.4	7.1	8.0	---	---	---	---	---	---
25	---	---	---	10.2	7.1	8.3	---	---	---	---	---	---
26	---	---	---	9.4	7.2	8.1	---	---	---	---	---	---
27	---	---	---	8.5	7.0	7.7	---	---	---	---	---	---
28	---	---	---	9.4	7.3	8.1	---	---	---	---	---	---
29	---	---	---	9.6	7.5	8.4	---	---	---	---	---	---
30	---	---	---	9.3	7.1	8.0	---	---	---	---	---	---
31	---	---	---	8.6	6.9	7.7	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1989–95—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT												
05...	1730	15200	9.81	720	812	8.2	7.9	20.0	8.0	0.30	685	8.8
06...	1215	4970	7.09	740	804	8.2	7.8	18.0	7.0	0.30	688	11.1
06...	1415	4970	7.09	700	--	8.3	--	17.0	7.0	--	687	8.1
06...	1815	5000	7.10	690	--	8.2	--	26.0	7.5	--	685	8.7
07...	0945	4920	7.07	750	--	8.2	--	17.0	8.0	--	690	9.3
07...	1200	4920	7.07	735	792	8.2	8.0	16.5	7.5	0.30	690	9.0
07...	1645	4920	7.07	720	--	8.2	--	23.0	8.0	--	689	9.0
07...	2000	4950	7.08	720	--	8.1	--	15.0	7.5	--	690	9.0
08...	0900	4920	7.07	780	801	8.1	8.1	11.0	7.0	0.30	692	9.3
08...	2115	4920	7.07	750	--	8.1	--	14.5	7.5	--	688	8.9
09...	1020	4920	7.07	760	--	8.2	--	11.5	7.5	--	691	9.2
09...	1630	4920	7.07	800	822	8.0	8.1	20.0	7.5	0.40	689	8.9
10...	1120	7170	7.85	750	807	8.2	8.1	24.0	8.0	0.20	689	9.1

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (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 WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT											
05...	82	260	65	23	67	3.3	165	135	134	220	43
06...	101	260	66	23	66	3.2	153	125	134	220	42
06...	74	--	--	--	--	--	167	137	--	--	--
06...	79	--	--	--	--	--	166	136	--	--	--
07...	85	--	--	--	--	--	164	134	--	--	--
07...	82	250	64	22	63	3.2	163	133	133	210	40
07...	83	--	--	--	--	--	159	130	--	--	--
07...	83	--	--	--	--	--	162	133	--	--	--
08...	84	250	63	23	66	3.1	172	141	133	210	41
08...	82	--	--	--	--	--	--	--	--	--	--
09...	84	--	--	--	--	--	--	--	--	--	--
09...	82	260	65	23	67	3.3	--	--	135	220	44
10...	84	250	64	23	67	3.2	--	--	134	220	42

Table 3. 09380000, Colorado River at Lees Ferry, Arizona, water years 1989–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT											
05...	0.30	8.4	509	513	<0.010	0.400	0.010	0.020	--	<0.20	--
06...	0.30	8.5	506	506	<0.010	0.400	0.020	0.020	0.28	0.30	0.70
06...	--	--	--	--	<0.010	0.330	0.010	0.020	0.39	0.40	0.73
06...	--	--	--	--	<0.010	0.330	0.010	0.030	0.29	0.30	0.63
07...	--	--	--	--	<0.010	0.330	0.010	0.090	0.29	0.30	0.63
07...	0.30	8.1	503	492	<0.010	0.300	0.010	0.020	--	<0.20	--
07...	--	--	--	--	<0.010	0.340	0.020	<0.010	0.28	0.30	0.64
07...	--	--	--	--	<0.010	0.330	0.020	0.010	0.58	0.60	0.93
08...	0.30	8.1	499	501	<0.010	0.340	<0.010	0.030	--	<0.20	--
08...	--	--	--	--	<0.010	0.400	0.020	0.020	0.28	0.30	0.70
09...	--	--	--	--	<0.010	0.400	0.020	0.020	0.78	0.80	1.2
09...	0.30	8.2	517	513	<0.010	0.400	0.010	0.020	0.39	0.40	0.80
10...	0.30	8.2	516	510	<0.010	0.400	0.010	0.020	0.19	0.20	0.60

DATE	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
05...	--	<0.010	--	<0.010	<0.010	0.020	0.06	2.8	E3	--	E74
06...	3.1	0.020	0.12	0.010	0.040	0.030	0.09	3.0	E2	--	E80
06...	3.2	<0.010	0.03	<0.010	0.010	<0.010	--	2.7	--	--	--
06...	2.8	<0.010	0.03	<0.010	0.010	0.010	0.03	2.7	--	--	--
07...	2.8	<0.010	0.03	<0.010	0.010	<0.010	--	2.7	--	--	--
07...	--	<0.010	--	<0.010	<0.010	<0.010	--	3.3	--	--	--
07...	2.8	<0.010	0.03	<0.010	0.010	<0.010	--	3.0	--	--	--
07...	4.1	<0.010	0.03	<0.010	0.010	<0.010	--	2.8	--	--	--
08...	--	<0.010	--	<0.010	<0.010	0.010	0.03	3.1	--	--	--
08...	3.1	<0.010	0.03	<0.010	0.010	<0.010	--	2.8	--	--	--
09...	5.3	<0.010	0.03	<0.010	0.010	<0.010	--	3.0	--	--	--
09...	3.5	<0.010	--	<0.010	<0.010	<0.010	--	--	4	53	72
10...	2.7	<0.010	--	<0.010	<0.010	<0.010	--	2.9	6	116	59

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95

STATION DESCRIPTION

LOCATION—Lat 36°52'20", long 111°35'38", in NW1/4NE1/4 sec. 13, T.40 N., R.7 E., Coconino County, Hydrologic Unit 14070007, on left bank 0.6 mi northwest of Lees Ferry, and 1.1 mi upstream from mouth.

DRAINAGE AREA—1,410 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—October 1923 to current year.

GAGE—Water-stage recorder. Datum of gage is 3,123.68 ft above sea level. Prior to October 5, 1925, nonrecording gage at site 2,000 ft upstream at different datum. October 13, 1925, to September 11, 1929, nonrecording gage at present site and datum.

REMARKS—Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 3,300 acres, which are mostly in southern Utah.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 16,100 ft^3/s, October 5, 1925, gage height, 16.3 ft, from floodmark and from rating curve extended above 2,000 ft^3/s on basis of float-area measurement of peak flow; maximum gage height, 16.65 ft, September 9, 1980; minimum daily discharge, 1 ft^3/s in most years prior to 1931.

EXTREMES FOR DATA PERIOD—Peak discharges greater than base discharge of 1,400 ft^3/s or maximum for year:

Date	Time	Discharge, in cubic feet per second	Gage height, in feet
July 8, 1990	0315	1,420	9.55
July 16, 1990	0300	2,370	11.10
September 7, 1991	1445	763	8.01
May 27, 1992	2345	1,790	9.95
August 30, 1992	2315	1,770	9.90
October 25,1992	0515	1,530	9.37
October 7, 1993	1515	1,910	9.82
September 3, 1994	0630	3,330	10.79
March 6, 1995	0815	1,810	8.64

Minimum daily discharge, 2.0 ft^3/s, December 20 and 27, 1992.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	11	14	11	22	27	15	7.8	8.0	3.5	e14	5.2
2	4.2	11	15	13	23	27	13	15	5.1	3.7	e6.7	5.0
3	3.9	11	15	16	15	24	11	20	4.2	4.9	e20	5.2
4	3.9	11	15	9.4	14	24	8.4	10	4.0	3.9	e9.3	6.2
5	4.2	13	14	7.2	17	24	6.9	6.8	3.6	3.6	e5.7	7.2
6	4.3	13	18	8.0	18	24	5.8	5.6	3.3	3.5	e5.7	61
7	4.3	13	20	8.7	19	20	5.5	5.1	3.4	4.4	e5.7	68
8	4.3	13	16	8.0	18	18	8.3	4.3	3.5	250	e5.7	14
9	4.4	13	14	9.6	19	18	6.7	3.9	3.8	33	e5.7	21
10	4.6	13	15	24	17	18	7.2	4.2	4.8	e10	e5.7	9.1
11	4.6	13	15	25	18	17	6.8	4.3	128	e7.0	e5.7	5.0
12	4.5	13	6.0	21	19	16	7.3	4.2	15	e5.7	e5.7	3.9
13	4.7	13	7.6	21	21	16	6.7	4.2	17	e5.7	e6.3	3.6
14	5.1	13	7.6	22	21	13	5.9	4.1	7.9	e5.7	4.8	3.5
15	5.0	12	13	22	17	12	5.3	4.1	6.4	30	14	3.4
16	5.0	12	29	22	9.5	13	5.0	4.0	5.6	378	57	3.3
17	4.9	12	23	19	9.0	12	5.0	4.1	e5.1	43	55	5.1
18	4.9	12	13	19	20	13	5.7	4.0	e5.1	26	31	4.1
19	5.1	12	15	19	40	12	6.7	3.9	e4.5	62	15	24
20	5.5	13	15	17	28	9.1	8.6	3.9	e4.0	e11	e5.7	20
21	6.3	13	13	15	21	8.9	6.9	3.9	e3.5	e6.4	e4.2	11
22	21	13	16	14	22	9.2	5.9	4.0	e3.5	24	e4.7	e6.7
23	31	12	16	14	24	8.6	5.2	3.9	e3.5	36	4.1	e4.5
24	15	12	16	12	35	8.2	6.4	3.6	e3.5	e22	3.8	105
25	12	12	15	13	35	9.7	5.5	3.7	e3.5	49	3.5	110
26	11	12	13	13	33	6.2	14	3.9	e3.5	e11	3.6	23
27	14	12	14	16	31	5.4	11	4.0	e3.5	e6.7	3.5	11
28	11	14	11	14	31	7.3	7.4	4.0	3.2	e6.0	3.8	7.2
29	11	10	22	13	---	10	5.3	4.5	3.4	e5.7	3.9	156
30	9.9	9.2	20	16	---	9.0	6.6	4.3	3.4	e5.7	4.1	36
31	10	---	15	21	---	9.1	---	8.8	---	e5.7	5.2	---
TOTAL	243.7	366.2	471.2	482.9	616.5	448.7	225.0	172.1	276.8	1072.8	328.8	748.2
MEAN	7.86	12.2	15.2	15.6	22.0	14.5	7.50	5.55	9.23	34.6	10.6	24.9
MAX	31	14	29	25	40	27	15	20	128	378	57	156
MIN	3.9	9.2	6.0	7.2	9.0	5.4	5.0	3.6	3.2	3.5	3.5	3.3
ACRE-FT	483	726	935	958	1220	890	446	341	549	2130	652	1480

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1989	5858.8	16.1	286	3.3	11620
WY 1990	5452.9	14.9	378	3.2	10820

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	7.7	11	e6.5	14	32	19	4.2	5.3	3.4	3.5	12
2	11	7.8	11	e6.5	15	123	20	4.1	13	3.4	3.6	11
3	39	8.6	12	e6.5	18	39	18	4.1	11	3.3	4.3	47
4	25	9.0	9.8	e7.0	23	31	15	4.6	8.9	3.3	43	14
5	12	9.7	8.4	e7.5	26	29	13	4.7	7.3	3.3	28	9.3
6	8.2	11	8.0	e15	27	32	14	4.7	5.0	3.3	19	128
7	7.3	12	7.8	e20	27	28	15	4.8	3.9	3.3	10	248
8	6.6	12	9.6	e20	27	19	14	4.6	3.7	3.3	8.8	162
9	8.3	11	8.5	19	29	17	13	4.1	3.7	4.8	6.5	26
10	6.5	12	11	16	27	16	13	3.8	3.7	7.0	5.0	13
11	6.5	11	11	21	26	16	10	4.4	3.7	4.0	4.8	9.1
12	6.6	10	12	25	24	16	9.9	4.7	3.7	3.5	4.8	7.4
13	6.6	9.5	23	19	25	16	9.8	4.4	3.8	3.4	4.6	6.4
14	5.8	9.6	23	15	24	16	10	4.3	3.8	3.3	8.3	6.6
15	5.3	9.7	17	14	27	16	8.5	4.2	3.4	3.3	56	5.5
16	5.3	9.2	11	18	27	20	7.2	4.1	3.5	3.1	39	5.2
17	5.1	9.0	14	20	26	19	6.0	4.1	3.3	3.0	e9.0	4.9
18	5.2	9.2	14	17	23	19	5.3	3.8	3.3	3.1	e6.0	4.9
19	6.9	9.7	e7.5	17	18	19	5.8	3.7	3.3	3.4	e6.0	4.8
20	169	11	9.4	21	15	21	e5.3	3.8	3.1	5.0	e6.0	4.6
21	35	10	e6.4	20	19	25	e5.0	3.7	3.2	6.1	5.2	4.6
22	16	12	e6.5	14	17	25	e5.0	3.8	3.3	4.6	4.7	4.5
23	13	11	e6.5	10	17	22	e4.9	4.2	3.4	4.1	4.5	4.6
24	12	11	e6.5	e11	17	21	5.4	4.2	3.2	3.7	4.4	4.5
25	11	11	e6.5	16	16	20	5.4	4.2	3.2	4.5	8.5	4.5
26	11	12	e6.5	e16	14	24	5.9	4.0	3.2	3.6	16	4.5
27	11	13	e6.5	e19	15	51	5.0	3.7	3.3	3.8	10	4.5
28	9.2	12	e6.5	21	16	28	5.4	3.7	3.5	3.5	12	4.5
29	8.1	6.9	e6.5	21	---	22	4.5	3.7	3.4	3.2	13	4.6
30	7.9	6.7	e6.5	e10	---	26	4.2	3.7	3.3	3.3	12	4.5
31	8.0	---	e6.5	12	---	20	---	4.4	---	3.4	12	---
TOTAL	503.4	304.3	310.4	481.0	599	828	282.5	128.5	133.4	117.3	378.5	775.0
MEAN	16.2	10.1	10.0	15.5	21.4	26.7	9.42	4.15	4.45	3.78	12.2	25.8
MAX	169	13	23	25	29	123	20	4.8	13	7.0	56	248
MIN	5.1	6.7	6.4	6.5	14	16	4.2	3.7	3.1	3.0	3.5	4.5
ACRE-FT	998	604	616	954	1190	1640	560	255	265	233	751	1540

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	5489.9	15.0	378	3.2	10890
WY 1991	4841.3	13.3	248	3.0	9600

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.5	11	6.6	20	18	27	283	3.5	40	3.5	e5.0	158
2	4.6	16	6.8	13	20	28	165	3.4	23	3.6	e5.0	42
3	4.6	14	6.1	14	24	126	50	3.7	21	4.2	e5.0	16
4	4.5	13	8.2	8.6	29	168	31	3.6	14	4.2	e5.0	10
5	4.5	13	13	12	27	70	28	4.1	8.4	4.2	e5.0	8.6
6	4.3	13	12	29	23	48	25	4.8	5.4	4.0	e9.6	7.4
7	4.2	14	12	28	24	39	25	4.4	4.0	3.6	54	6.4
8	4.4	11	13	23	23	32	24	4.1	6.0	7.9	41	5.1
9	4.5	17	21	11	25	49	24	4.3	5.9	5.9	28	4.3
10	4.4	16	20	12	32	37	22	3.9	4.6	5.2	16	4.1
11	4.4	14	22	11	56	32	21	8.0	9.3	7.2	15	3.9
12	4.5	13	25	12	61	30	21	6.9	8.0	12	175	3.9
13	4.4	13	20	10	46	27	21	6.0	5.1	8.3	39	3.7
14	4.2	13	17	7.3	121	29	21	5.1	4.0	8.2	25	3.8
15	4.4	50	12	6.9	36	33	21	4.3	3.6	7.7	12	78
16	4.5	115	15	4.1	35	31	19	3.9	3.8	5.3	7.7	199
17	4.5	35	16	6.7	36	30	16	3.8	4.1	4.5	8.8	49
18	4.4	35	19	8.9	25	27	12	3.9	4.3	4.4	29	16
19	4.5	51	25	6.6	22	25	8.8	4.1	4.2	7.4	20	255
20	4.6	28	25	11	21	22	9.0	17	4.2	6.4	e9.2	44
21	4.8	19	22	6.9	23	22	8.1	39	4.2	5.1	e6.5	14
22	4.8	20	19	6.7	25	24	7.6	30	4.2	4.2	23	9.0
23	4.9	18	25	8.8	37	28	7.0	31	4.3	4.9	521	6.6
24	4.8	12	21	13	37	37	6.1	20	4.5	10	229	5.7
25	12	12	20	15	26	30	5.7	31	4.5	9.2	49	4.9
26	20	17	18	17	25	25	5.1	128	4.6	45	30	4.4
27	13	16	16	18	27	27	5.2	566	4.6	29	26	4.3
28	9.6	16	17	18	24	73	5.0	273	4.4	e17	13	4.4
29	24	16	16	18	25	61	4.4	31	4.0	e10	9.3	4.4
30	17	11	19	19	---	85	4.1	20	3.6	e7.5	284	4.4
31	16	---	23	18	---	481	---	90	---	e6.0	447	---
TOTAL	219.8	662	530.7	413.5	953	1803	905.1	1361.8	225.8	265.6	2152.1	980.3
MEAN	7.09	22.1	17.1	13.3	32.9	58.2	30.2	43.9	7.53	8.57	69.4	32.7
MAX	24	115	25	29	121	481	283	566	40	45	521	255
MIN	4.2	11	6.1	4.1	18	22	4.1	3.4	3.6	3.5	5.0	3.7
ACRE-FT	436	1310	1050	820	1890	3580	1800	2700	448	527	4270	1940

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	5135.7	14.1	248	3.0	10190
WY 1992	10472.7	28.6	566	3.4	20770

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.4	127	15	15	214	80	96	e15	18	5.9	6.8	31
2	4.3	29	17	25	104	80	114	e15	16	5.8	7.0	e21
3	4.3	18	20	21	65	70	92	e15	14	5.6	7.2	e7.0
4	4.3	14	19	e13	46	75	60	e15	15	5.4	7.4	e6.0
5	4.3	13	21	e9.0	38	74	70	e15	16	5.3	6.9	e6.0
6	4.3	15	19	18	35	102	83	15	20	5.6	11	e6.0
7	4.1	14	12	13	40	152	54	14	20	5.8	16	e6.0
8	4.2	16	18	150	45	178	38	15	24	6.4	26	e6.0
9	4.5	17	22	200	364	212	38	12	24	6.4	116	e6.0
10	4.5	18	21	42	369	229	43	11	15	5.9	94	6.6
11	4.6	18	21	67	165	221	51	11	12	5.6	134	6.6
12	4.8	15	19	32	89	282	49	13	10	5.8	30	6.3
13	4.9	17	20	11	71	136	54	14	9.5	5.4	e12	6.4
14	4.8	18	13	12	60	117	36	58	9.4	5.3	e7.0	6.3
15	4.8	19	10	18	54	140	30	49	7.5	5.1	e6.0	6.6
16	4.8	19	10	41	45	210	29	15	7.2	5.2	e6.0	6.9
17	4.8	20	7.8	260	41	243	33	150	6.8	5.2	e6.0	6.8
18	4.9	20	e8.0	262	40	277	30	98	6.8	5.5	e6.0	7.2
19	5.1	20	e7.0	228	138	375	34	46	9.7	5.9	e6.0	7.1
20	5.0	21	e2.0	135	682	233	35	33	9.5	5.8	e27	7.1
21	5.1	18	e5.0	77	314	169	27	e18	9.7	5.9	e28	7.3
22	5.0	14	e5.0	55	122	211	27	e14	8.4	5.8	46	7.5
23	5.0	19	e6.0	98	75	187	24	e12	7.5	6.0	e8.0	7.6
24	8.4	17	e5.0	42	107	200	23	e12	7.3	6.4	e6.0	7.6
25	583	14	e5.0	26	129	217	24	14	7.0	6.3	e6.0	8.0
26	152	9.8	e4.0	24	75	238	19	14	6.6	6.2	e6.0	8.0
27	26	10	e2.0	23	58	271	19	12	6.2	6.2	e6.0	8.7
28	44	13	e9.0	24	64	293	e16	12	5.9	6.5	81	8.7
29	35	15	11	24	---	116	e15	12	5.7	6.7	24	8.5
30	46	21	13	58	---	69	e15	12	5.8	7.3	e45	8.2
31	447	---	13	215	---	80	---	16	---	7.3	77	---
TOTAL	1448.2	618.8	379.8	2238.0	3649	5537	1278	777	340.5	183.5	871.3	249.0
MEAN	46.7	20.6	12.3	72.2	130	179	42.6	25.1	11.3	5.92	28.1	8.30
MAX	583	127	22	262	682	375	114	150	24	7.3	134	31
MIN	4.1	9.8	2.0	9.0	35	69	15	11	5.7	5.1	6.0	6.0
ACRE-FT	2870	1230	753	4440	7240	10980	2530	1540	675	364	1730	494

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	11507.0	31.4	583	2.0	22820
WY 1993	17570.1	48.1	682	2.0	34850

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.1	15	30	20	e12	38	18	16	3.3	3.3	18	e3.5
2	8.0	14	28	25	12	40	14	16	3.5	3.7	13	e3.5
3	8.1	14	27	25	14	42	13	20	3.9	3.4	9.1	e621
4	8.4	15	24	e21	24	44	14	15	3.7	3.1	e6.0	e91
5	8.8	15	27	e24	26	42	12	13	3.5	3.3	e4.0	e36
6	12	15	28	26	25	42	12	9.1	3.6	3.1	e3.0	e16
7	625	15	28	e17	25	36	13	5.5	3.5	3.0	e3.0	e27
8	146	16	27	e8.3	36	33	14	4.9	3.4	3.4	e5.0	27
9	28	16	26	e10	54	31	16	5.0	3.6	3.5	7.0	12
10	17	16	27	e11	27	25	20	5.0	3.7	3.4	e8.0	6.6
11	15	20	28	e12	23	24	22	4.7	3.7	3.1	18	42
12	67	48	29	e8.8	25	31	23	4.5	3.6	3.1	148	e23
13	78	58	31	e11	15	26	21	5.1	3.3	3.3	e40	e10
14	23	37	e19	21	17	23	15	6.2	3.3	3.5	e20	e6.4
15	14	32	e19	23	20	23	12	4.6	3.1	3.5	e10	e5.5
16	13	27	e22	21	22	24	10	3.9	3.2	3.2	e5.0	4.0
17	17	27	e28	18	23	24	8.6	3.7	3.3	3.2	e54	3.8
18	26	27	e24	e17	66	25	11	3.7	3.6	4.0	20	3.8
19	68	27	e21	22	66	e24	12	3.7	4.3	5.6	23	3.8
20	41	26	e26	19	35	31	10	3.9	4.0	7.0	e20	3.8
21	17	25	e13	e17	29	29	e8.0	4.1	4.4	4.5	e47	e66
22	15	27	e10	e12	27	21	e6.0	4.1	4.7	4.8	e18	e16
23	15	31	e10	e13	22	19	e5.0	4.1	4.0	4.8	12	e12
24	14	27	e10	19	20	20	e5.0	4.3	3.4	4.7	10	10
25	14	24	e10	22	22	21	e5.0	6.0	3.3	4.2	10	9.5
26	14	e18	e10	21	31	23	6.2	7.9	3.1	3.6	11	8.4
27	12	e13	14	20	44	e19	11	7.6	2.7	3.6	11	7.7
28	12	e16	e19	23	41	e16	9.0	6.6	3.3	3.8	11	7.4
29	14	e27	e27	25	---	e16	14	4.2	3.3	5.4	175	7.7
30	14	28	e26	18	---	16	19	3.7	3.3	4.4	17	40
31	14	---	e19	e15	---	14	---	3.6	---	4.1	5.5	---
TOTAL	1386.4	716	687	565.1	803	842	378.8	209.7	106.6	120.6	761.6	1134.4
MEAN	44.7	23.9	22.2	18.2	28.7	27.2	12.6	6.76	3.55	3.89	24.6	37.8
MAX	625	58	31	26	66	44	23	20	4.7	7.0	175	621
MIN	8.0	13	10	8.3	12	14	5.0	3.6	2.7	3.0	3.0	3.5
ACRE-FT	2750	1420	1360	1120	1590	1670	751	416	211	239	1510	2250

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1993	17912.7	49.1	682	5.1	35530
WY 1994	7711.2	2.1	625	2.7	15300

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	84	8.5	14	20	23	e41	20	e21	18	33	5.1	9.7
2	e24	13	21	17	50	53	20	e20	13	21	5.1	8.4
3	e14	14	20	14	94	e49	20	e20	11	18	5.1	7.7
4	e11	12	22	17	e71	e59	20	e19	11	16	5.1	7.4
5	9.9	15	25	27	e46	e59	19	16	16	15	5.1	6.3
6	10	15	28	22	e38	622	19	16	e12	14	5.1	7.2
7	12	16	26	25	e36	98	20	19	e6.7	13	5.1	47
8	12	15	22	24	e36	e30	19	17	e6.7	e8.2	5.1	e22
9	10	13	18	36	e34	e28	18	17	17	e6.3	5.1	143
10	8.8	15	7.9	49	e32	28	18	18	19	e4.8	8.0	e45
11	8.2	16	7.1	45	e30	30	16	14	15	e3.5	8.8	e25
12	7.9	16	9.8	128	e28	266	15	14	e7.8	4.3	6.3	19
13	7.9	17	13	52	e28	128	15	13	e3.8	15	12	17
14	51	17	23	e30	27	57	14	11	e3.8	11	6.2	15
15	246	14	16	e25	477	36	12	12	e3.8	7.1	4.9	14
16	66	14	16	e36	55	e35	12	9.3	4.1	6.5	6.5	11
17	38	17	15	e31	37	e33	17	7.6	4.9	26	82	9.3
18	e27	17	17	e26	30	e37	21	6.4	19	e33	e26	9.7
19	e23	20	18	e18	28	e36	49	6.0	19	e8.9	17	7.1
20	e19	18	19	15	30	e34	57	5.9	15	e8.2	12	6.9
21	e16	12	19	18	32	34	125	5.7	13	e7.8	25	6.7
22	e14	24	18	19	39	33	204	5.7	12	e7.0	29	6.0
23	e12	22	20	16	41	e42	93	6.1	12	e6.3	e50	5.9
24	e11	17	26	18	e44	e27	e48	6.4	10	e5.7	e27	5.7
25	e9.6	18	36	25	e38	e23	e40	19	9.6	e5.1	23	5.6
26	7.9	19	49	26	42	e22	e24	57	8.9	e4.8	21	5.7
27	10	22	33	44	e44	e22	e23	84	8.4	4.8	e17	5.6
28	7.2	14	27	29	e41	e21	e22	35	7.8	4.8	e13	5.5
29	8.2	8.6	25	21	---	e19	e22	40	7.7	4.8	9.5	6.2
30	7.8	13	26	18	---	21	e21	e40	21	4.8	8.6	12
31	7.5	---	24	18	---	20	---	e29	---	5.0	8.4	---
TOTAL	800.9	472.1	660.8	909	1551	2043	1043	610.1	337.0	333.7	467.1	502.6
MEAN	25.8	15.7	21.3	29.3	55.4	65.9	34.8	19.7	11.2	10.8	15.1	16.8
MAX	246	24	49	128	477	622	204	84	21	33	82	143
MIN	7.2	8.5	7.1	14	23	19	12	5.7	3.8	3.5	4.9	5.5
ACRE-FT	1590	936	1310	1800	3080	4050	2070	1210	668	662	926	997

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	6855.6	18.8	621	2.7	13600
WY 1995	9730.3	26.7	622	3.5	19300

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Month	Statistics of monthly mean data for water years 1924–95				
	Mean	Minimum		Maximum	
		Water year	Discharge	Water year	Discharge
October	29.9	1956	5.99	1926	288
November	23.6	1991	10.1	1958	123
December	21.1	1931	8.81	1967	69.4
January	22.5	1931	8.03	1969	96.7
February	39.0	1961	15.5	1980	242
March	40.0	1972	8.86	1979	216
April	21.4	1930	4.93	1979	93.3
May	10.9	1927	2.03	1934	52.4
June	7.26	1926	1.97	1972	58.3
July	24.9	1939	2.32	1936	172
August	55.6	1976	4.51	1932	237
September	52.3	1968	4.18	1927	424

Summary statistics, water years 1924–95	
Lowest annual mean	29.0
Highest annual mean (1980)	65.1
Annual 7-day minimum (1977)	11.4
Annual runoff, in acre-feet	21,000
10 percent exceeds	43
50 percent exceeds	14
90 percent exceeds	3.8

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

[Sediment concentration for days when the daily mean discharge was greater than 30 cubic feet per second are published]

Sediment, suspended concentration, in milligrams per liter, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	34600
7	---	---	---	---	---	---	---	---	---	---	---	42400
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	87700
25	---	---	---	---	---	---	---	---	---	---	---	79400
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	83900
30	---	---	---	---	---	---	---	---	---	---	---	16600
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1991 Daily mean values												
Day	**Oct.**	**Nov.**	**Dec.**	**Jan.**	**Feb.**	**Mar.**	**Apr.**	**May**	**June**	**July**	**Aug.**	**Sept.**
1	---	---	---	---	---	6170	---	---	---	---	---	---
2	---	---	---	---	---	55700	---	---	---	---	---	---
3	20000	---	---	---	---	7340	---	---	---	---	---	196000
4	---	---	---	---	---	3670	---	---	---	---	154000	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	3270	---	---	---	---	---	205000
7	---	---	---	---	---	---	---	---	---	---	---	481000
8	---	---	---	---	---	---	---	---	---	---	---	334000
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	182000	---
16	---	---	---	---	---	---	---	---	---	---	155000	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	142000	---	---	---	---	---	---	---	---	---	---	---
21	18300	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	7770	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	49100	---	10900	---	---	168000
2	---	---	---	---	---	---	6100	---	---	---	---	76100
3	---	---	---	---	---	30500	11100	---	---	---	---	---
4	---	---	---	---	---	40400	7650	---	---	---	---	---
5	---	---	---	---	---	18800	---	---	---	---	---	---
6	---	---	---	---	---	10700	---	---	---	---	---	---
7	---	---	---	---	---	10700	---	---	---	---	42400	---
8	---	---	---	---	---	8410	---	---	---	---	30400	---
9	---	---	---	---	---	11700	---	---	---	---	---	---
10	---	---	---	---	4090	8180	---	---	---	---	---	---
11	---	---	---	---	10400	6770	---	---	---	---	---	---
12	---	---	---	---	12200	7320	---	---	---	---	134000	---
13	---	---	---	---	11200	---	---	---	---	---	48400	---
14	---	---	---	---	48300	---	---	---	---	---	---	---
15	---	13600	---	---	6320	7950	---	---	---	---	---	21500
16	---	38300	---	---	6260	6760	---	---	---	---	---	52600
17	---	3130	---	---	7280	7600	---	---	---	---	---	12300
18	---	3440	---	---	---	---	---	---	---	---	---	---
19	---	5710	---	---	---	---	---	---	---	---	---	79100
20	---	---	---	---	---	---	---	---	---	---	---	37400
21	---	---	---	---	---	---	---	23400	---	---	---	---
22	---	---	---	---	---	---	---	23100	---	---	---	---
23	---	---	---	---	7730	---	---	20300	---	---	381000	---
24	---	---	---	---	6430	9770	---	---	---	---	196000	---
25	---	---	---	---	---	6830	---	23300	---	---	52400	---
26	---	---	---	---	---	---	---	69400	---	14800	20200	---
27	---	---	---	---	---	---	---	260000	---	---	---	---
28	---	---	---	---	---	16700	---	139000	---	---	---	---
29	---	---	---	---	---	16600	---	19800	---	---	---	---
30	---	---	---	---	---	23000	---	---	---	---	52300	---
31	---	---	---	---	---	88100	---	19900	---	---	232000	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	24300	---	---	43800	7780	16200	---	---	---	---	3070
2	---	6760	---	---	18000	8110	23600	---	---	---	---	---
3	---	---	---	---	11500	8360	15800	---	---	---	---	---
4	---	---	---	---	7250	13700	9960	---	---	---	---	---
5	---	---	---	---	3050	10300	11100	---	---	---	---	---
6	---	---	---	---	2310	16600	13800	---	---	---	---	---
7	---	---	---	---	3030	29200	9010	---	---	---	---	---
8	---	---	---	23300	3460	42500	6410	---	---	---	---	---
9	---	---	---	29500	68300	52700	6100	---	---	---	61800	---
10	---	---	---	6350	47300	56700	6300	---	---	---	50700	---
11	---	---	---	8850	17100	48300	7570	---	---	---	52700	---
12	---	---	---	3970	9950	72200	7800	---	---	---	3100	---
13	---	---	---	---	7350	29100	7410	---	---	---	---	---
14	---	---	---	---	5850	19400	5380	8940	---	---	---	---
15	---	---	---	---	4910	22700	5020	9080	---	---	---	---
16	---	---	---	5800	3840	39100	4710	---	---	---	---	---
17	---	---	---	47700	3450	54300	5380	107000	---	---	---	---
18	---	---	---	49800	1570	56400	4820	46100	---	---	---	---
19	---	---	---	41900	14700	80700	5880	26100	---	---	---	---
20	---	---	---	9700	106000	43900	5530	4280	---	---	---	---
21	---	---	---	11300	35500	25400	---	---	---	---	---	---
22	---	---	---	9590	6730	34600	---	---	---	---	4890	---
23	---	---	---	16400	3940	31700	---	---	---	---	---	---
24	---	---	---	7100	7120	36800	---	---	---	---	---	---
25	152000	---	---	---	8610	41500	---	---	---	---	---	---
26	80800	---	---	---	3900	45200	---	---	---	---	---	---
27	---	---	---	---	2480	49100	---	---	---	---	---	---
28	14900	---	---	---	4090	55800	---	---	---	---	18000	---
29	8250	---	---	---	---	22100	---	---	---	---	---	---
30	7600	---	---	10500	---	12500	---	---	---	---	4020	---
31	164000	---	---	39100	---	12400	---	---	---	---	21800	---
MAX	---	---	---	---	106000	80700	---	---	---	---	---	---
MIN	---	---	---	---	1570	7780	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	4050	---	---	---	---	---	---
2	---	---	---	---	---	3540	---	---	---	---	---	---
3	---	---	---	---	---	4620	---	---	---	---	---	166000
4	---	---	---	---	---	8560	---	---	---	---	---	82300
5	---	---	---	---	---	5380	---	---	---	---	---	49000
6	---	---	---	---	---	5380	---	---	---	---	---	---
7	134000	---	---	---	---	3780	---	---	---	---	---	---
8	31100	---	---	---	3840	3440	---	---	---	---	---	---
9	---	---	---	---	7580	3060	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	21900
12	7650	6100	---	---	---	2740	---	---	---	---	162000	---
13	11800	8560	2820	---	---	---	---	---	---	---	46400	---
14	---	3840	---	---	---	---	---	---	---	---	---	---
15	---	3230	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	52300	---
18	---	---	---	---	8550	---	---	---	---	---	---	---
19	9030	---	---	---	8150	---	---	---	---	---	---	---
20	4560	---	---	---	3460	3170	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	61500	33400
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	3080	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	2540	---	---	---	---	---	---	---
27	---	---	---	---	4460	---	---	---	---	---	---	---
28	---	---	---	---	4910	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	136000	---
30	---	---	---	---	---	---	---	---	---	---	---	35300
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	103000	---	---	---	---	7000	---	---	---	30800	---	---
2	---	---	---	---	13000	11800	---	---	---	---	---	---
3	---	---	---	---	49300	10800	---	---	---	---	---	---
4	---	---	---	---	43600	13500	---	---	---	---	---	---
5	---	---	---	---	32600	12900	---	---	---	---	---	---
6	---	---	---	---	27300	104000	---	---	---	---	---	---
7	---	---	---	---	19800	21600	---	---	---	---	---	43600
8	---	---	---	---	12800	---	---	---	---	---	---	---
9	---	---	---	5340	7520	---	---	---	---	---	---	114000
10	---	---	---	10500	6430	---	---	---	---	---	---	219000
11	---	---	---	14700	---	---	---	---	---	---	---	---
12	---	---	---	32400	---	45700	---	---	---	---	---	---
13	---	---	---	8850	---	29100	---	---	---	---	---	---
14	16700	---	---	---	---	11500	---	---	---	---	---	---
15	126000	---	---	---	110000	5260	---	---	---	---	---	---
16	43300	---	---	4830	26100	3830	---	---	---	---	---	---
17	30200	---	---	3670	7700	4790	---	---	---	---	152000	---
18	---	---	---	---	---	5000	---	---	---	140000	---	---
19	---	---	---	---	---	5000	9810	---	---	---	---	---
20	---	---	---	---	---	5000	8850	---	---	---	---	---
21	---	---	---	---	4760	5000	23100	---	---	---	---	---
22	---	---	---	---	7410	5230	49600	---	---	---	---	---
23	---	---	---	---	7500	6730	20200	---	---	---	205000	---
24	---	---	---	---	7450	---	6370	---	---	---	---	---
25	---	---	5320	---	4840	---	5310	---	---	---	---	---
26	---	---	7800	---	7070	---	---	8030	---	---	---	---
27	---	---	4990	6720	9140	---	---	11400	---	---	---	---
28	---	---	---	---	7220	---	---	4630	---	---	---	---
29	---	---	---	---	---	---	---	4620	---	---	---	---
30	---	---	---	---	---	---	---	4800	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

[Sediment discharge for days when the daily mean discharge was greater than 30 cubic feet per second are published]

Sediment, discharge, suspended, in tons per day, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	12200
7	---	---	---	---	---	---	---	---	---	---	---	10800
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	105000
25	---	---	---	---	---	---	---	---	---	---	---	33200
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	58300
30	---	---	---	---	---	---	---	---	---	---	---	2020
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, discharge, suspended, in tons per day, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	683	---	---	---	---	---	---
2	---	---	---	---	---	20700	---	---	---	---	---	---
3	3030	---	---	---	---	986	---	---	---	---	---	40100
4	---	---	---	---	---	19	---	---	---	---	42500	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	293	---	---	---	---	---	92800
7	---	---	---	---	---	---	---	---	---	---	---	479000
8	---	---	---	---	---	---	---	---	---	---	---	239000
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	60800	---
16	---	---	---	---	---	---	---	---	---	---	19300	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	91000	---	---	---	---	---	---	---	---	---	---	---
21	2070	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	1140	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, discharge, suspended, in tons per day, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	42200	---	1290	---	---	73500
2	---	---	---	---	---	---	12700	---	---	---	---	9360
3	---	---	---	---	---	19300	1580	---	---	---	---	---
4	---	---	---	---	---	19000	658	---	---	---	---	---
5	---	---	---	---	---	3830	---	---	---	---	---	---
6	---	---	---	---	---	1570	---	---	---	---	---	---
7	---	---	---	---	---	1090	---	---	---	---	9070	---
8	---	---	---	---	---	729	---	---	---	---	3310	---
9	---	---	---	---	---	1630	---	---	---	---	---	---
10	---	---	---	---	355	845	---	---	---	---	---	---
11	---	---	---	---	1860	629	---	---	---	---	---	---
12	---	---	---	---	2420	625	---	---	---	---	94000	---
13	---	---	---	---	5110	---	---	---	---	---	6340	---
14	---	---	---	---	19500	---	---	---	---	---	---	---
15	---	5310	---	---	646	753	---	---	---	---	---	17400
16	---	14200	---	---	701	588	---	---	---	---	---	29800
17	---	340	---	---	751	630	---	---	---	---	---	1820
18	---	338	---	---	---	---	---	---	---	---	---	---
19	---	1100	---	---	---	---	---	---	---	---	---	65500
20	---	---	---	---	---	---	---	---	---	---	---	5110
21	---	---	---	---	---	---	---	3060	---	---	---	---
22	---	---	---	---	---	---	---	2040	---	---	---	---
23	---	---	---	---	848	---	---	1740	---	---	667000	---
24	---	---	---	---	785	1060	---	---	---	---	141000	---
25	---	---	---	---	---	553	---	1930	---	---	8840	---
26	---	---	---	---	---	---	---	94200	---	3160	2120	---
27	---	---	---	---	---	---	---	572000	---	---	---	---
28	---	---	---	---	---	3790	---	211000	---	---	---	---
29	---	---	---	---	---	2850	---	1720	---	---	---	---
30	---	---	---	---	---	5900	---	---	---	---	158000	---
31	---	---	---	---	---	129000	---	6570	---	---	281000	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, discharge, suspended, in tons per day, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	10200	---	---	28400	1740	4530	---	---	---	---	388
2	---	559	---	---	5480	1760	7640	---	---	---	---	---
3	---	---	---	---	2050	1630	4360	---	---	---	---	---
4	---	---	---	---	933	2810	1640	---	---	---	---	---
5	---	---	---	---	322	2330	2180	---	---	---	---	---
6	---	---	---	---	223	5960	3200	---	---	---	---	---
7	---	---	---	---	332	14200	1350	---	---	---	---	---
8	---	---	---	23000	426	24800	659	---	---	---	---	---
9	---	---	---	19800	74300	39400	625	---	---	---	97900	---
10	---	---	---	752	50900	43800	24	---	---	---	41100	---
11	---	---	---	1900	7620	33300	30	---	---	---	39800	---
12	---	---	---	457	2430	67300	1040	---	---	---	361	---
13	---	---	---	---	1440	11400	1090	---	---	---	---	---
14	---	---	---	---	956	7420	528	3180	---	---	---	---
15	---	---	---	---	725	9780	414	1520	---	---	---	---
16	---	---	---	829	482	26600	369	---	---	---	---	---
17	---	---	---	6100	386	44000	485	84000	---	---	---	---
18	---	---	---	36000	173	49900	392	13800	---	---	---	---
19	---	---	---	27400	13100	86500	534	3230	---	---	---	---
20	---	---	---	7990	207000	28300	526	447	---	---	---	---
21	---	---	---	2640	35100	11900	---	---	---	---	---	---
22	---	---	---	1640	2250	24600	---	---	---	---	997	---
23	---	---	---	5810	824	17000	---	---	---	---	---	---
24	---	---	---	846	2730	24000	---	---	---	---	---	---
25	329000	---	---	---	3190	27600	---	---	---	---	---	---
26	38400	---	---	---	817	33200	---	---	---	---	---	---
27	---	---	---	---	401	41800	---	---	---	---	---	---
28	3600	---	---	---	783	44900	---	---	---	---	7630	---
29	815	---	---	---	---	7550	---	---	---	---	---	---
30	966	---	---	2050	---	2370	---	---	---	---	e777	---
31	263000	---	---	23300	---	2870	---	---	---	---	9980	---
MAX	---	---	---	---	207000	86500	---	---	---	---	---	---
MIN	---	---	---	---	173	1630	---	---	---	---	---	---

e Estimated.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, discharge, suspended, in tons per day, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	461	---	---	---	---	---	---
2	---	---	---	---	---	417	---	---	---	---	---	---
3	---	---	---	---	---	601	---	---	---	---	---	e278000
4	---	---	---	---	---	1080	---	---	---	---	---	e20200
5	---	---	---	---	---	662	---	---	---	---	---	e4760
6	---	---	---	---	---	656	---	---	---	---	---	---
7	281000	---	---	---	---	394	---	---	---	---	---	---
8	18400	---	---	---	446	318	---	---	---	---	---	---
9	---	---	---	---	1150	266	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	4200
12	2290	918	---	---	---	249	---	---	---	---	97000	---
13	3170	1510	237	---	---	---	---	---	---	---	e5010	---
14	---	390	---	---	---	---	---	---	---	---	---	---
15	---	281	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	e7620	---
18	---	---	---	---	2660	---	---	---	---	---	---	---
19	1900	---	---	---	1720	---	---	---	---	---	---	---
20	632	---	---	---	330	278	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	e7800	e5950
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	257	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	289	---	---	---	---	---	---	---
27	---	---	---	---	603	---	---	---	---	---	---	---
28	---	---	---	---	544	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	95900	---
30	---	---	---	---	---	---	---	---	---	---	---	11500
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment, discharge, suspended, in tons per day, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28700	---	---	---	---	e784	---	---	---	3080	---	---
2	---	---	---	---	2810	1730	---	---	---	---	---	---
3	---	---	---	---	17800	e1420	---	---	---	---	---	---
4	---	---	---	---	e8360	e2150	---	---	---	---	---	---
5	---	---	---	---	e4050	e2050	---	---	---	---	---	---
6	---	---	---	---	e2800	270000	---	---	---	---	---	---
7	---	---	---	---	e1920	7260	---	---	---	---	---	16200
8	---	---	---	---	e1240	---	---	---	---	---	---	---
9	---	---	---	536	e690	---	---	---	---	---	---	64600
10	---	---	---	1470	e556	---	---	---	---	---	---	e46600
11	---	---	---	1790	---	---	---	---	---	---	---	---
12	---	---	---	11800	---	45300	---	---	---	---	---	---
13	---	---	---	1400	---	10500	---	---	---	---	---	---
14	25500	---	---	---	---	1950	---	---	---	---	---	---
15	97400	---	---	---	183000	520	---	---	---	---	---	---
16	8590	---	---	e469	4510	e362	---	---	---	---	---	---
17	3100	---	---	e307	884	e427	---	---	---	---	40900	---
18	---	---	---	---	---	e500	---	---	---	e12500	---	---
19	---	---	---	---	---	e486	1760	---	---	---	---	---
20	---	---	---	---	---	e459	1450	---	---	---	---	---
21	---	---	---	---	465	457	8240	---	---	---	---	---
22	---	---	---	---	878	473	32700	---	---	---	---	---
23	---	---	---	---	903	e763	5490	---	---	---	e27700	---
24	---	---	---	---	e905	---	e889	---	---	---	---	---
25	---	---	540	---	e497	---	e577	---	---	---	---	---
26	---	---	1040	---	815	---	---	1290	---	---	---	---
27	---	---	452	883	e1090	---	---	2990	---	---	---	---
28	---	---	---	---	e791	---	---	452	---	---	---	---
29	---	---	---	---	---	---	---	590	---	---	---	---
30	---	---	---	---	---	---	---	e518	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

[Sediment discharge for days when the daily mean discharge was greater than 30 cubic feet per second are published]

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1990
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	1480
7	---	---	---	---	---	---	---	---	---	---	---	991
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	81300
25	---	---	---	---	---	---	---	---	---	---	---	6180
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	20900
30	---	---	---	---	---	---	---	---	---	---	---	41
31	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1991
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	17	---	---	---	---	---	---
2	---	---	---	---	---	2840	---	---	---	---	---	---
3	666	---	---	---	---	26	---	---	---	---	---	4110
4	---	---	---	---	---	3.0	---	---	---	---	4410	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	2.7	---	---	---	---	---	12000
7	---	---	---	---	---	---	---	---	---	---	---	165000
8	---	---	---	---	---	---	---	---	---	---	---	64100
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	7130	---
16	---	---	---	---	---	---	---	---	---	---	991	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	35900	---	---	---	---	---	---	---	---	---	---	---
21	83	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	51	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1992
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	11100	---	52	---	---	12700
2	---	---	---	---	---	---	1750	---	---	---	---	403
3	---	---	---	---	---	4940	62	---	---	---	---	---
4	---	---	---	---	---	3150	13	---	---	---	---	---
5	---	---	---	---	---	311	---	---	---	---	---	---
6	---	---	---	---	---	70	---	---	---	---	---	---
7	---	---	---	---	---	38	---	---	---	---	592	---
8	---	---	---	---	---	21	---	---	---	---	127	---
9	---	---	---	---	---	68	---	---	---	---	---	---
10	---	---	---	---	8.5	25	---	---	---	---	---	---
11	---	---	---	---	129	14	---	---	---	---	---	---
12	---	---	---	---	169	17	---	---	---	---	14000	---
13	---	---	---	---	393	---	---	---	---	---	150	---
14	---	---	---	---	1900	---	---	---	---	---	---	---
15	---	947	---	---	19	20	---	---	---	---	---	4330
16	---	835	---	---	23	12	---	---	---	---	---	5490
17	---	2.9	---	---	21	13	---	---	---	---	---	94
18	---	3.8	---	---	---	---	---	---	---	---	---	19700
19	---	2.3	---	---	---	---	---	---	---	---	---	221
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	155	---	---	---	---
22	---	---	---	---	---	---	---	67	---	---	---	---
23	---	---	---	---	30	---	---	47	---	---	389000	---
24	---	---	---	---	26	38	---	10	---	---	34200	---
25	---	---	---	---	---	12	---	38	---	---	630	---
26	---	---	---	---	---	---	---	49600	---	191	46	---
27	---	---	---	---	---	---	---	322000	---	---	---	---
28	---	---	---	---	---	147	---	99700	---	---	---	---
29	---	---	---	---	---	110	---	29	---	---	---	---
30	---	---	---	---	---	541	---	---	---	---	90900	---
31	---	---	---	---	---	49200	---	3610	---	---	110000	---

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1993
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	2100	---	---	9120	157	538	---	---	---	---	22
2	---	22	---	---	824	142	1140	---	---	---	---	---
3	---	---	---	---	82	108	482	---	---	---	---	---
4	---	---	---	---	58	169	109	---	---	---	---	---
5	---	---	---	---	16	201	161	---	---	---	---	---
6	---	---	---	---	9.2	1130	290	---	---	---	---	---
7	---	---	---	---	16	3290	72	---	---	---	---	---
8	---	---	---	11200	22	7440	26	---	---	---	---	---
9	---	---	---	7060	30900	16100	19	---	---	---	55400	---
10	---	---	---	50	22200	19200	16	---	---	---	14400	---
11	---	---	---	190	1800	11600	30	---	---	---	11400	---
12	---	---	---	27	281	30800	30	---	---	---	25	---
13	---	---	---	---	135	2500	22	---	---	---	---	---
14	---	---	---	---	76	1700	5.9	363	---	---	---	---
15	---	---	---	---	52	2210	4.1	111	---	---	---	---
16	---	---	---	68	28	8870	4.1	---	---	---	---	---
17	---	---	---	11600	20	16200	8.3	13600	---	---	---	---
18	---	---	---	10600	8.5	18600	4.7	883	---	---	---	---
19	---	---	---	7570	4320	36400	9.9	68	---	---	---	---
20	---	---	---	1960	81900	7880	9.5	11	---	---	---	---
21	---	---	---	468	115000	2630	---	---	---	---	---	---
22	---	---	---	244	293	7710	---	---	---	---	102	---
23	---	---	---	854	81	4300	---	---	---	---	---	---
24	---	---	---	103	453	6560	---	---	---	---	---	---
25	190000	---	---	---	484	8460	---	---	---	---	---	---
26	7090	---	---	---	82	11000	---	---	---	---	---	---
27	---	---	---	---	31	15100	---	---	---	---	---	---
28	587	---	---	---	70	14300	---	---	---	---	1370	---
29	43	---	---	---	---	1200	---	---	---	---	---	---
30	59	---	---	207	---	190	---	---	---	---	e72	---
31	150000	---	---	5940	---	257	---	---	---	---	1250	---

e Estimated.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1994
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	28	---	---	---	---	---	---
2	---	---	---	---	---	22	---	---	---	---	---	---
3	---	---	---	---	---	41	---	---	---	---	---	e97900
4	---	---	---	---	---	92	---	---	---	---	---	e759
5	---	---	---	---	---	47	---	---	---	---	---	e118
6	---	---	---	---	---	46	---	---	---	---	---	---
7	152000	---	---	---	---	21	---	---	---	---	---	---
8	2190	---	---	---	30	15	---	---	---	---	---	---
9	---	---	---	---	98	12	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	218
12	304	75	---	---	---	11	---	---	---	---	22700	---
13	176	148	10	---	---	---	---	---	---	---	e151	---
14	---	21	---	---	---	---	---	---	---	---	---	---
15	---	13	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	e1380	---
18	---	---	---	---	394	---	---	---	---	---	---	---
19	206	---	---	---	186	---	---	---	---	---	---	---
20	53	---	---	---	16	13	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	e327	e262
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	12	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	18	---	---	---	---	---	---	---
27	---	---	---	---	42	---	---	---	---	---	---	---
28	---	---	---	---	56	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	18200	---
30	---	---	---	---	---	---	---	---	---	---	---	1070
31	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 4. 09382000, Paria River at Lees Ferry, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1995
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3420	---	---	---	---	e7.8	---	---	---	343	---	---
2	---	---	---	---	374	33	---	---	---	---	---	---
3	---	---	---	---	3540	e28	---	---	---	---	---	---
4	---	---	---	---	e889	e43	---	---	---	---	---	---
5	---	---	---	---	e217	e41	---	---	---	---	---	---
6	---	---	---	---	e115	139000	---	---	---	---	---	---
7	---	---	---	---	e60	543	---	---	---	---	---	5160
8	---	---	---	---	e37	---	---	---	---	---	---	---
9	---	---	---	20	e21	---	---	---	---	---	---	3800
10	---	---	---	107	e17	---	---	---	---	---	---	e1700
11	---	---	---	61	---	---	---	---	---	---	---	---
12	---	---	---	1450	---	9740	---	---	---	---	---	---
13	---	---	---	105	---	717	---	---	---	---	---	---
14	8930	---	---	---	---	55	---	---	---	---	---	---
15	21600	---	---	---	99700	5.8	---	---	---	---	---	---
16	643	---	---	e14	241	e3.6	---	---	---	---	---	---
17	134	---	---	e9.2	37	e4.3	---	---	---	---	9640	---
18	---	---	---	---	---	e5.0	---	---	---	e1840	---	---
19	---	---	---	---	---	e4.9	203	---	---	---	---	---
20	---	---	---	---	---	e4.6	117	---	---	---	---	---
21	---	---	---	---	6.3	4.6	1060	---	---	---	---	---
22	---	---	---	---	14	4.7	10700	---	---	---	---	---
23	---	---	---	---	15	e8.2	919	---	---	---	e3330	---
24	---	---	---	---	e15	---	e51	---	---	---	---	---
25	---	---	29	---	e4.9	---	e27	---	---	---	---	---
26	---	---	62	---	9.4	---	---	110	---	---	---	---
27	---	---	15	50	e14	---	---	404	---	---	---	---
28	---	---	---	---	e7.9	---	---	18	---	---	---	---
29	---	---	---	---	---	---	---	36	---	---	---	---
30	---	---	---	---	---	---	---	e21	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95

STATION DESCRIPTION

LOCATION—Lat 36°12'08", long 111°48'59", Coconino County, Hydrologic Unit 15010001, in Grand Canyon National Park, on the right bank 0.2 mi upstream from the confluence with the Little Colorado River, 11 mi east-northeast of Desert View, 77.1 mi downstream from Glen Canyon Dam, and 293 mi upstream from Hoover Dam.

DRAINAGE AREA—Approximately 114,272 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming and 108 mi^2 on the Paria Plateau, which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1986, September 1989 to April 1993, and July 1993 to current year.

GAGE—Water-stage recorder on right bank. Elevation of gage is 2,686.74 ft above sea level from GPS levels. Prior to September 1989, recording gages and reference points within 100 ft of present gage at different datum.

REMARKS—Records fair. Periods of estimated daily discharge are calculated using a flow model, which routed discharge from 09380000, Colorado River at Lees Ferry. Flow regulated since March 13, 1963, by Lake Powell, which is 77.1 mi upstream. At times, gage is affected by backwater caused by tributary Little Colorado River on the left bank just downstream from gage.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 96,200 ft^3/s, June 29, 1983, gage height, unknown; minimum daily discharge, 3,100 ft^3/s, October 30, 1989.

EXTREMES FOR DATA PERIOD—Maximum discharge, 29,800 ft^3/s, June 20, 1991, gage height, 33.90; minimum daily discharge, 3,100 ft^3/s, October 30, 1989.

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9680	8620	11400	7570	9610	19300	10300	10400	10900	5310	e17600	e15000
2	5060	12200	10500	8350	11300	13600	5690	9450	5370	5810	e16200	e13400
3	10800	13700	6610	13300	13100	14200	10100	11000	5250	15000	e16100	7440
4	9930	12000	4220	16900	9140	10300	10400	8630	5240	15100	e15600	9120
5	7810	6850	6720	14100	8100	9560	10600	9870	5190	15100	e14100	14000
6	11000	5070	8290	12700	10400	16500	10800	8610	13800	15100	e12500	14800
7	5470	11600	9440	13700	10900	17000	9120	10800	13000	15200	e17100	17200
8	5300	11300	11300	9260	11500	12200	6370	14100	15100	15400	e17600	18500
9	5280	12000	12200	13700	12800	11800	5290	12400	14600	15600	e18200	15500
10	5110	11300	9380	11400	12400	10500	9880	10900	9240	15300	e18900	12300
11	9950	9440	8820	13200	6620	6080	12300	12900	10000	15400	e16500	14800
12	11700	6620	16400	11300	5580	4770	15500	11800	14300	15400	e14400	11900
13	13500	6360	14100	12500	9020	10100	14500	9890	14500	14700	e11600	12300
14	14200	14000	15000	9310	10200	11900	11100	6640	16000	5610	e17100	13600
15	8360	13100	14700	7270	18000	12800	8380	12100	14200	5370	e15800	5350
16	4240	12300	15000	12000	16100	11900	7700	11800	15100	6520	e15700	5170
17	15500	11400	11000	14600	13400	10800	13100	12700	10500	15700	e17700	5120
18	17000	13400	7980	13900	10800	8380	14200	13400	11500	16200	e16500	14500
19	14100	7930	13500	e14600	9540	3880	10300	10300	17500	15900	e13500	15600
20	11100	7310	12800	e17200	11800	11800	11600	5640	17400	15800	e10900	15000
21	10900	10700	12400	e11400	15100	11900	10700	4450	16700	15800	e17500	14900
22	7280	11400	16100	7830	14000	9820	8220	8840	17800	15800	e18200	15000
23	7230	9750	13400	16200	12100	13600	5450	10900	17500	15900	e17900	15300
24	11000	4770	9160	12700	12400	16300	8770	13800	17400	16300	e19100	15600
25	11800	8180	6610	12600	10500	6910	9840	13800	13100	16200	e16400	15100
26	10300	7370	5330	9590	8400	4600	10600	11800	15600	16100	13800	14800
27	11300	5620	9250	10400	15300	8530	10200	8260	18700	15300	8900	14700
28	9770	12800	11200	10200	18100	10300	10200	6370	17000	5780	16500	14700
29	5650	13500	13600	7320	---	13400	10700	8000	15300	5680	17200	5340
30	3100	13000	12900	11600	---	14200	9620	10100	5520	e5030	e16900	5360
31	6710	---	12300	12200	---	14800	---	10800	---	e16400	16300	---
TOTAL	290130	303590	341610	368900	326210	351730	301530	320450	393310	403810	492300	381400
MEAN	9359	10120	11020	11900	11650	11350	10050	10340	13110	13030	15880	12710
MAX	17000	14000	16400	17200	18100	19300	15500	14100	18700	16400	19100	18500
MIN	3100	4770	4220	7270	5580	3880	5290	4450	5190	5030	8900	5120
AC-FT	575500	602200	677600	731700	647000	697700	598100	635600	780100	801000	976500	756500

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1990	4274970	11710	19300	3100	8479000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5010	5970	8110	e14300	10500	8310	4860	12600	5480	6860	18100	13700
2	8590	8980	8590	e14300	10500	10800	11200	9480	5170	18300	14400	9480
3	8650	6600	6530	e14300	10500	9000	12600	9510	5300	18400	14300	11100
4	8590	7170	11600	e14300	10500	5790	11000	5350	12600	18500	14500	14600
5	8570	3460	11000	e14300	10500	11400	11300	5250	9850	18400	14400	14700
6	8500	8450	10400	e14400	10500	10800	9170	5740	12800	18400	14600	14800
7	8510	7890	11600	e14300	10500	10700	10700	14700	12700	18500	14600	14900
8	8480	8830	11300	e14300	10500	11500	8240	15200	15400	18500	14700	13400
9	8490	10800	8930	e14300	5270	10100	10600	15300	11800	18500	14900	10400
10	8490	5460	7210	e14300	5160	9080	12000	15400	10800	18600	14400	14700
11	8460	5350	12100	e13400	5100	4680	12600	15400	17000	18600	14200	14600
12	8610	5190	11600	e4980	11400	11600	14600	15400	16700	16700	14300	14300
13	5060	8170	12200	e4920	13300	12200	14300	15500	17500	5470	14800	e13700
14	5010	10400	12200	e4970	12200	10500	10200	15400	16600	5270	15100	e11800
15	4590	10200	5490	e10900	12300	13100	8080	15300	17200	6160	15000	e11100
16	7950	10900	5330	e10800	12700	11800	11500	15300	11200	17100	15100	e14600
17	7980	11500	6270	e11000	12500	10200	9070	15000	13500	17200	14900	e14200
18	8030	8810	11200	e11400	11200	6550	10200	5340	20300	17200	14500	e14100
19	8030	5290	11700	e12600	15600	12000	10700	5270	19600	17200	12900	e14300
20	8180	12000	11500	e8360	16700	11100	5950	7650	19300	17300	15100	e14000
21	8100	10900	11300	e8610	14800	11700	5800	15000	18600	17300	15100	e12100
22	8210	13100	e10800	e10900	13500	12000	5720	15000	17000	17300	15200	e11900
23	8300	8390	e10900	e12200	13700	11500	9550	15000	14200	17300	15100	e14300
24	8420	8880	e10900	e15200	12100	11100	11000	15200	8740	17300	14900	e15200
25	8400	7880	e10900	e13600	7930	6500	9320	15200	15600	17300	14500	e14900
26	7840	6670	e10900	e4930	12200	13500	11800	15100	17600	16300	11000	e14700
27	5390	10600	e10900	e4850	9550	13600	8400	15100	17600	5420	15200	e15000
28	5280	11700	e9560	e4880	6960	11700	5900	15100	16600	5240	15200	e15000
29	5320	9730	e5010	e10100	---	10400	4620	15100	5440	5850	15100	e13100
30	6310	9510	e4950	e10200	---	7500	11400	15000	5240	15900	15100	e10200
31	7870	---	e5850	e10100	---	5360	---	12600	---	18600	15000	---
TOTAL	233220	258780	296830	342000	308170	316070	292380	397490	407420	464970	456200	404880
MEAN	7523	8626	9575	11030	11010	10200	9746	12820	13580	15000	14720	13500
MAX	8650	13100	12200	15200	16700	13600	14600	15500	20300	18600	18100	15200
MIN	4590	3460	4950	4850	5100	4680	4620	5250	5170	5240	11000	9480
AC-FT	462600	513300	588800	678400	611300	626900	579900	788400	808100	922300	904900	803100

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	4128470	11310	19300	3460	8189000
WY 1991	4178410	11450	20300	3460	8288000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e11900	e9000	e9520	e11700	11700	9740	9680	9410	7720	13400	14700	14100
2	e9130	e9810	e9630	e10500	11600	9260	10700	10200	9990	14800	14800	13400
3	e9150	e9370	e11500	e13300	9690	10300	10600	9140	11400	14600	12100	13000
4	e9160	e8530	e11500	e13200	12300	10600	10500	8180	11500	11100	15400	12500
5	e9110	e10100	e11500	e11500	12100	10400	10500	10600	11600	10600	15000	12400
6	e7100	e10100	e11500	e10500	12200	10400	8760	10400	10400	11400	15200	10500
7	e7880	e9990	e11400	e13300	12200	10500	10700	10300	10400	14600	15200	9170
8	e9380	e10000	e10600	e13400	12000	10200	10700	10300	8600	14800	15300	10900
9	e9210	e9950	e9670	e13400	10800	9690	10700	10200	10800	14900	15100	13000
10	e9300	e8830	e11400	e13500	9730	11100	11100	9280	10600	15200	12400	13300
11	e9250	e8520	e11500	e13300	12100	10600	10700	8640	11300	15200	15300	13400
12	e8950	e9910	e11500	e12200	12500	10500	10500	10100	11400	15000	15700	13100
13	e7540	e10100	e11600	11300	12400	10700	8680	10300	11300	13600	15200	11200
14	e7830	e10100	e11500	13500	12400	10400	10700	10500	9880	15000	15400	10200
15	e9060	e10200	e10600	13600	12500	9770	10600	10200	8490	14900	15600	12900
16	e9080	e10300	e9650	13800	11000	9100	10600	10000	11400	15000	14700	13200
17	e9030	e9120	e11500	13800	10100	10600	10400	9290	11400	14800	12900	13800
18	e10200	e8530	e11400	13700	12500	10600	10300	8500	11000	15200	15400	12700
19	e8800	e10500	e11700	12900	12400	10500	9100	10100	11400	13600	15400	13300
20	e7740	e10100	e11700	11200	12100	10500	8210	10100	11200	11500	14900	11600
21	e7920	e10000	e11600	14100	11900	10500	10400	9780	10000	14800	15200	10300
22	e9040	e10000	e10900	14200	11900	9480	10400	11800	8440	15200	14400	12500
23	e9090	e10100	e9810	14200	10700	8910	10300	9760	11800	15100	14300	12700
24	e8910	e9110	e11600	14600	9490	10100	10500	8890	12100	15300	12200	12700
25	e8830	e8760	e11500	13400	11800	10300	10100	8220	12000	14500	13900	13000
26	e8600	e10100	e9610	13100	11900	10400	7950	8310	12000	13100	13900	12600
27	e8950	e10100	e11600	11200	12000	9960	7020	9910	12100	11000	14400	10700
28	e7480	e10000	e11600	13300	11100	9890	9190	10300	12500	14900	14500	9890
29	e8660	e8640	e10800	13200	10900	9410	9130	9370	10800	14700	14400	12300
30	e8750	e10100	e9790	12800	---	8630	9010	9090	13000	14900	15100	11600
31	e9560	---	e11600	12500	---	9780	---	7370	---	14600	12900	---
TOTAL	274590	289970	341280	400200	336010	312820	297730	298540	326520	437300	450900	365960
MEAN	8858	9666	11010	12910	11590	10090	9924	9630	10880	14110	14550	12200
MAX	11900	10500	11700	14600	12500	11100	11100	11800	13000	15300	15700	14100
MIN	7100	8520	9520	10500	9490	8630	7020	7370	7720	10600	12100	9170
AC-FT	544600	575200	676900	793800	666500	620500	590500	592200	647700	867400	894400	725900

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4295420	11770	20300	4620	8520000
WY 1992	4131820	11290	15700	7020	8195000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11200	9280	10800	11600	e12500	12000	10100	---	---	---	15400	e12200
2	9490	9450	11500	12100	12500	11300	10500	---	---	---	14900	e12600
3	9160	10900	11600	e11900	12600	10500	10700	---	---	---	16100	e12000
4	8200	10800	11600	e11900	12000	10700	9600	---	---	---	16300	e11700
5	7890	10200	11600	e12800	12400	10600	8550	---	---	---	16400	e11100
6	9300	10500	11000	13700	12300	10300	11000	---	---	---	16300	e9400
7	9460	10200	11200	13700	11000	10200	10800	---	---	---	16200	e10600
8	8720	10100	12300	e13100	10000	9080	---	---	---	---	15600	e11900
9	9550	8750	12200	e13200	11700	10300	---	---	---	---	15000	e11900
10	9410	10500	12000	e11700	12400	10500	---	---	---	---	16600	e11900
11	8140	10400	12100	e12100	11900	10300	---	---	---	---	e16300	e11700
12	8290	10400	11700	e13400	12200	11000	---	---	---	---	e16300	e10500
13	8400	10800	11600	e13400	12600	11000	---	---	---	---	e16900	e8720
14	9900	10600	10700	e12900	12300	10700	---	---	---	---	e16600	e11600
15	9780	10100	12200	e13200	10800	10200	---	---	---	---	e16200	e11700
16	9940	9010	12300	e13100	12100	11300	---	---	---	14900	e16700	e11600
17	9320	10500	12100	e12100	11900	11700	---	---	---	14800	e16400	e11600
18	8160	10400	11700	e11600	12400	11300	---	---	---	14200	e15500	e11600
19	8190	10300	11400	e13700	12500	11400	---	---	---	12800	e14900	e10300
20	9720	10700	10800	e13900	13800	11200	---	---	---	15200	e14500	e8650
21	9870	10800	10400	e13900	13200	11000	---	---	---	15500	e14200	e11400
22	9760	9690	11300	e13800	12900	9740	---	---	---	15500	e13600	e11900
23	10000	8950	11000	e13300	e12100	11300	---	---	---	15500	e13100	e11700
24	9900	10700	10900	e12100	e11900	10800	---	---	---	15300	e14200	e11700
25	9080	10800	10800	e11900	e12200	10500	---	---	---	14500	e14300	e11400
26	8900	10600	10200	e13700	e12300	10700	---	---	---	13700	e14400	e9960
27	9470	9280	10700	e13400	e11900	10600	---	---	---	15800	e14200	e8390
28	8510	10500	10400	e13300	12700	10000	---	---	---	16200	e14000	e11400
29	8900	10000	11200	e13500	---	9090	---	---	---	16200	e13700	e11300
30	9130	9350	11500	13300	---	10000	---	---	---	16200	e11300	e11000
31	9950	---	11800	13100	---	10000	---	---	---	15900	e14100	---
TOTAL	285690	304560	352600	400400	341100	329310	---	---	---	---	470200	333420
MEAN	9216	10150	11370	12920	12180	10620	---	---	---	---	15170	11110
MAX	11200	10900	12300	13900	13800	12000	---	---	---	---	16900	12600
MIN	7890	8750	10200	11600	10000	9080	---	---	---	---	11300	8390
AC-FT	566700	604100	699400	794200	676600	653200	---	---	---	---	932600	661300

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4168830	11390	15700	7020	8269000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11400	7740	11000	11300	14900	12300	10200	9290	10600	13800	12300	14100
2	9360	10800	12500	12200	13000	10100	9750	7820	10500	14600	15200	12000
3	8080	12700	13600	11100	12800	10600	8840	10200	10500	12800	15100	12800
4	7740	12700	13700	14200	13300	10300	8260	10100	10100	11000	15500	10700
5	9080	12100	12100	13800	13200	10300	10000	10700	7970	11500	15100	10100
6	9170	12000	12000	14300	11600	9890	10500	10700	8130	15000	15300	e10100
7	e9100	9420	14000	14600	10700	8840	10800	10500	9830	14500	12700	12300
8	e9500	8890	13600	14700	14000	10200	10800	8520	10200	14500	13100	11900
9	9710	12800	13800	12400	13900	10100	10800	7900	10500	14200	15100	12100
10	9230	12400	13500	11500	13800	10400	10300	10500	10600	12700	15700	12000
11	8310	11500	13000	15000	13600	10700	9350	10700	10600	11800	15400	9960
12	9200	11700	11600	14700	13200	10600	11000	10800	9840	15100	15100	9550
13	9420	11300	11400	14800	11400	10400	11000	11200	9610	15000	15500	11300
14	9290	9600	14000	15000	10400	9770	10900	10900	11700	14700	12400	11600
15	9310	9110	13800	14300	13400	10700	11200	11300	11600	15000	12400	11500
16	8960	10900	14800	12100	13600	10600	11300	10200	11200	15000	15800	11300
17	8160	11100	14300	10900	13600	10800	10400	10900	11500	13300	15300	11400
18	7910	11000	14300	13900	13100	10700	9940	11100	11200	12600	16700	9840
19	9280	10900	13400	14100	13300	10800	12100	11500	9510	14700	16000	9300
20	9120	11000	13200	14500	11800	e10200	12400	11000	9360	14500	14400	11700
21	8970	9050	14400	14000	10200	e9330	12100	10700	12100	14700	12800	11800
22	9180	8210	13800	12400	13200	e10700	11300	7930	12100	14900	12800	11800
23	9350	10600	14100	10200	13300	e11000	11000	8480	11300	14300	14100	11200
24	8230	10500	14000	10200	13200	e10900	9320	10800	11500	12500	14100	11400
25	7980	10300	12500	12700	13100	e10900	8900	11300	11500	11600	14400	9450
26	9530	8660	11200	13200	12800	e10400	11100	9690	10000	14800	14300	9160
27	9370	e9140	11800	13600	11100	e9280	11200	10000	9870	15100	14300	11800
28	8740	e8670	13700	13700	10300	9440	11100	10000	11500	15400	12100	11400
29	8680	e7890	12800	13200	---	10800	11200	8300	11700	15800	11700	11800
30	9120	10500	12000	11300	---	10300	10700	8290	13300	15000	14700	11300
31	8260	---	13000	11600	---	9940	---	8170	---	13400	14600	---
TOTAL	278740	313180	406900	405500	355800	321290	317760	309490	319920	433800	444000	336660
MEAN	8992	10440	13130	13080	12710	10360	10590	9984	10660	13990	14320	11220
MAX	11400	12800	14800	15000	14900	12300	12400	11500	13300	15800	16700	14100
MIN	7740	7740	11000	10200	10200	8840	8260	7820	7970	11000	11700	9160
AC-FT	552900	621200	807100	804300	705700	637300	630300	613900	634600	860400	880700	667800

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1994	4243040	11620	16700	7740	8416000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11000	8320	9810	10500	12700	e13000	9920	9330	15300	16200	19300	18500
2	8390	8350	11100	9170	11500	e10800	8510	10800	17500	16200	19400	18900
3	8260	8290	12000	9890	10800	e11000	8580	10900	16600	16100	19400	17600
4	8740	8390	10400	12800	10700	e11200	10600	10700	15500	17000	19700	17600
5	9200	9100	10200	14400	9700	e9300	10500	10600	15900	16000	20000	17600
6	8680	7780	12800	14100	10000	e10000	10800	10700	16900	17200	20100	18900
7	8650	8150	12700	14600	11500	e10700	10600	9100	17100	17800	20100	18700
8	9240	9250	12700	13100	11300	e9400	10100	8510	17100	17800	20000	19100
9	8580	8720	12900	12500	11400	e9500	8080	11100	17500	17100	19700	e18000
10	8490	8700	e12100	14100	11700	e9400	8400	10900	16600	17000	19600	e17900
11	9980	8840	e10700	14000	11800	e9600	10800	11100	15700	17700	19500	18700
12	9810	9290	10500	13900	11900	e8700	10700	11000	15800	18400	19100	19000
13	9340	7570	12900	13700	11500	e9100	11300	11000	16900	e18500	19000	18800
14	9440	7660	12800	13200	14300	e10200	11500	8740	17100	18400	19400	18800
15	e9000	9200	12700	11700	14900	e10200	11300	8710	17500	18100	19400	18800
16	e7700	9200	13100	11300	14200	e10600	9270	11300	17100	17900	19300	18200
17	e7500	9550	12200	14000	e14000	e10300	8360	11400	16700	18400	19300	18800
18	e9100	9520	10300	14200	e13600	e10700	11300	11000	16300	19300	19300	18100
19	e9400	9200	10200	13600	e11800	e8800	11300	11600	16400	19000	18900	18500
20	e9300	8330	12200	12300	e11300	10400	11300	11300	17100	18900	e18600	18900
21	e8700	8060	12200	12900	e13100	10700	11300	8450	17300	18400	18900	19400
22	e8200	9100	10800	12500	e13600	11000	11200	8510	17300	18200	18700	19000
23	e8000	9040	11300	12200	e13400	10900	9010	10800	17300	18300	18400	19200
24	e8100	9230	11400	13500	e12900	10600	8580	10100	17500	17900	18300	19100
25	e8600	7950	10200	13400	e12100	10000	11300	10300	17600	19200	18800	18600
26	e7300	9120	9360	13800	e11900	9770	11700	10100	17700	19100	17900	19000
27	e7300	8390	9530	13700	e11600	9000	11400	9980	17400	19100	17100	19200
28	e7900	8400	11600	13200	e14000	10700	11300	8360	17300	19500	16000	19200
29	8010	9560	11300	11400	---	10500	11100	8300	16400	19800	18600	19000
30	7820	9300	10900	10100	---	10400	9940	8170	16200	19700	18300	19400
31	8140	---	12200	11200	---	10100	---	11100	---	19700	18300	---
TOTAL	267870	261560	355100	394960	343200	316570	310050	313960	504600	561900	588400	560500
MEAN	8641	8719	11450	12740	12260	10210	10330	10130	16820	18130	18980	18680
MAX	11000	9560	13100	14600	14900	13000	11700	11600	17700	19800	20100	19400
MIN	7300	7570	9360	9170	9700	8700	8080	8170	15300	16000	16000	17600
AC-FT	531300	518800	704300	783400	680700	627900	615000	622700	1001000	1115000	1167000	1112000

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	4128750	11310	16700	7300	8189000
WY 1995	4778670	13090	20100	7300	9478000

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1985, September 1989 to current year.

PERIOD OF DAILY RECORD—
WATER TEMPERATURE: July 1990 to April 1993, July 1993 to current year.
SPECIFIC CONDUCTANCE: July 1990 to April 1993.
pH: July 1990 to April 1993.
DISSOLVED-OXYGEN CONCENTRATION: July 1990 to April 1993.

INSTRUMENTATION—Water-temperature recorder, July 1990 to current year. Specific conductance, pH, dissolved-oxygen recorder, July 1990 to April 1993.

REMARKS—
TEMPERATURE: Record good and within 0.5°C for October 1, 1990, to January 10, 1991, and October 1, 1992, to September 30, 1995; otherwise fair and within 1.0°C.
SPECIFIC CONDUCTANCE: Record fair and within 10 percent except for October 22, 1990, to January 4, 1991, and October 26, 1992, to April 8, 1993, which are good and within 5 percent.
pH: Record good and within 0.2 units for water year 1992 and fair and within 0.4 units for water year 1993.
DISSOLVED-OXYGEN CONCENTRATION: Record fair and within 1.0 mg/L except for February 22, 1992, to March 21, 1992, July 11, 1992, to September 30, 1992, October 1, 1992, to October 9, 1992, and January 22, 1993, to April 8, 1993, which are poor and could exceed 1.0 mg/L.

EXTREMES FOR DATA PERIOD—
WATER TEMPERATURE: Maximum, 13.1°C, June 27, 1994; minimum, 5.7°C, December 24–25, 1990.
SPECIFIC CONDUCTANCE: Maximum, 1,020 μS/cm, February 23, March 14, April 6–7, 1993; minimum, 825 μS/cm, November 27, 1990.
pH: Maximum, 8.5 units, March 9, 1993; minimum, 8.0 units, November 9 and 13, 1991, December 19–20, 1992, February 5, 1993, April 7, 1993.
DISSOLVED-OXYGEN CONCENTRATION: Maximum, 11.7 mg/L, November 29, 1990; minimum, 9.1 mg/L, October 27, 1992.

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	10.9	---	---	10.3
2	---	---	---	---	---	---	---	---	10.2	---	---	10.3
3	---	---	---	---	---	---	---	---	10.4	---	---	10.6
4	---	---	---	---	---	---	---	---	10.7	---	---	11.2
5	---	---	---	---	---	---	---	---	10.9	---	---	11.2
6	---	---	---	---	---	---	---	---	11.0	---	---	10.7
7	---	---	---	---	---	---	---	---	10.9	---	---	10.5
8	---	---	---	---	---	---	---	---	10.8	---	---	10.3
9	---	---	---	---	---	---	---	---	10.6	---	---	10.4
10	---	---	---	---	---	---	---	---	10.4	---	---	10.7
11	---	---	---	---	---	---	---	---	10.2	---	---	10.6
12	---	---	---	---	---	---	---	---	10.4	---	---	10.7
13	---	---	---	---	---	---	---	---	10.9	---	---	10.8
14	---	---	---	---	---	---	---	---	10.5	---	---	10.6
15	---	---	---	---	---	---	---	---	9.8	---	---	11.0
16	---	---	---	---	---	---	---	---	---	---	---	11.6
17	---	---	---	---	---	---	---	---	---	---	---	12.3
18	---	---	---	---	---	---	---	---	---	---	---	11.2
19	---	---	---	---	---	---	---	---	10.4	---	---	10.1
20	---	---	---	---	---	---	---	---	11.0	---	---	10.0
21	---	---	---	---	---	---	---	---	10.6	---	---	9.9
22	---	---	---	---	---	---	---	---	10.1	---	---	10.1
23	---	---	---	---	---	---	---	---	10.2	---	---	10.1
24	---	---	---	---	---	---	---	---	10.2	---	---	9.9
25	---	---	---	---	---	---	---	---	10.2	---	---	10.2
26	---	---	---	---	---	---	---	---	10.5	---	---	10.1
27	---	---	---	---	---	---	---	---	11.0	---	---	---
28	---	---	---	---	---	---	---	---	10.8	---	---	9.8
29	---	---	---	---	---	---	---	---	10.5	---	---	10.1
30	---	---	---	---	---	---	---	---	10.6	---	---	10.7
31	---	---	---	---	---	12.3	---	---	10.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.6	11.1	11.3	9.9	9.1	9.5	7.8	7.5	7.6	6.7	5.8	6.2
2	11.9	11.0	11.5	9.6	8.9	9.2	8.0	7.4	7.7	7.0	6.7	6.9
3	11.0	10.5	10.8	9.1	8.3	8.9	7.9	7.5	7.7	7.2	6.9	7.1
4	10.9	10.4	10.6	9.0	8.4	8.8	7.8	7.5	7.7	7.6	7.2	7.4
5	10.8	10.0	10.5	8.8	8.2	8.5	8.1	7.7	7.9	7.6	7.3	7.4
6	10.6	10.2	10.4	8.8	8.4	8.6	8.2	7.7	8.0	8.1	7.6	7.9
7	10.6	10.2	10.4	8.5	8.2	8.3	8.2	7.8	8.0	8.2	7.9	8.1
8	10.5	9.9	10.2	8.6	8.2	8.4	8.2	7.8	8.0	8.1	7.9	7.9
9	10.3	9.5	9.9	8.8	8.3	8.5	8.3	7.6	8.0	7.9	7.8	7.9
10	9.9	9.2	9.6	9.2	8.4	8.8	8.1	7.7	7.9	---	---	---
11	10.0	9.2	9.6	9.2	8.4	9.0	8.2	7.8	8.0	---	---	---
12	10.2	9.4	9.8	9.2	8.2	8.9	8.6	8.1	8.4	---	---	---
13	10.3	9.3	9.9	---	---	---	9.1	8.5	8.8	---	---	---
14	10.5	9.2	10.1	9.1	8.5	8.8	8.9	8.5	8.8	---	---	---
15	10.6	9.2	10.3	9.1	8.7	8.9	8.5	8.2	8.3	---	---	---
16	10.9	10.0	10.4	9.1	8.8	8.9	8.3	7.9	8.1	---	---	---
17	10.4	9.7	10.1	9.2	8.8	9.0	7.9	7.2	7.6	---	---	---
18	10.2	9.2	9.8	9.2	8.2	8.9	7.8	7.3	7.5	---	---	---
19	10.0	9.3	9.7	9.1	8.3	8.8	7.8	7.7	7.8	---	---	---
20	9.6	9.1	9.3	9.1	8.4	8.8	8.0	7.8	7.9	---	---	---
21	9.5	8.9	9.3	9.0	8.3	8.8	8.0	7.4	7.8	---	---	---
22	9.5	9.1	9.3	8.7	8.3	8.5	7.4	6.2	6.9	---	---	---
23	9.4	9.0	9.2	8.5	8.1	8.2	6.3	5.9	6.1	---	---	---
24	9.6	9.1	9.3	8.3	7.9	8.1	6.0	5.7	5.9	---	---	---
25	9.9	9.3	9.6	8.4	7.9	8.1	6.2	5.7	5.9	---	---	---
26	10.0	9.4	9.7	8.3	8.0	8.2	6.7	6.1	6.4	---	---	---
27	10.0	9.4	9.7	8.2	7.8	8.0	6.9	6.6	6.8	---	---	---
28	10.0	9.5	9.8	7.9	7.4	7.7	7.2	6.9	7.0	---	---	---
29	10.1	9.3	9.8	7.7	7.3	7.5	6.9	6.7	6.8	---	---	---
30	10.1	9.3	9.8	7.8	7.3	7.6	6.7	6.3	6.5	---	---	---
31	10.1	9.4	9.8	---	---	---	6.3	5.8	5.9	---	---	---
MONTH	11.9	8.9	10.0	---	---	---	9.1	5.7	7.5	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	7.9	---	---	---	---	---	---
2	---	---	7.0	---	---	8.0	---	---	---	---	---	---
3	---	---	7.1	---	---	---	---	---	---	---	---	---
4	---	---	7.2	---	---	8.1	---	---	---	---	---	---
5	---	---	7.3	---	---	---	---	---	---	---	---	---
6	---	---	7.3	---	---	---	---	---	---	---	---	---
7	---	---	7.2	---	---	---	---	---	---	---	---	---
8	---	---	7.3	---	---	---	---	---	---	---	---	---
9	---	---	7.5	---	---	---	---	---	---	---	---	---
10	---	---	7.7	---	---	---	---	---	---	---	---	---
11	---	---	7.6	---	---	---	---	---	---	---	---	---
12	---	---	7.4	---	---	8.2	---	---	---	---	---	---
13	---	---	7.4	---	---	8.1	---	---	---	---	---	---
14	---	---	---	---	---	7.8	---	---	---	---	---	9.4
15	---	---	---	---	---	7.9	---	---	---	---	---	9.4
16	---	---	7.6	---	---	8.0	---	---	---	---	---	---
17	---	---	7.7	---	---	8.2	---	---	---	---	---	9.7
18	---	---	7.6	---	---	8.7	---	---	---	---	---	---
19	---	---	7.4	---	---	8.3	---	---	---	---	---	---
20	---	---	7.6	---	---	---	---	---	---	---	---	---
21	---	---	7.6	---	---	---	---	---	---	---	---	---
22	---	---	7.6	---	---	8.1	---	---	---	---	---	---
23	---	---	---	---	---	8.3	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	7.5	---	---	8.2	---	---	---	---	---	---
27	---	---	---	---	---	7.9	---	---	---	---	---	---
28	---	---	7.6	---	---	8.0	---	---	---	---	---	---
29	---	---	---	---	---	8.3	---	---	---	---	---	---
30	---	---	---	---	---	8.7	---	---	---	---	---	---
31	---	---	---	---	---	9.0	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	10.9	---	---	---
13	---	---	---	---	---	---	---	---	10.6	---	---	---
14	---	---	---	---	---	---	---	---	10.9	---	---	11.2
15	---	---	---	---	---	---	---	---	10.7	---	---	11.1
16	---	---	---	---	---	---	---	---	10.7	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	10.7	---	---	---
22	---	---	---	---	---	---	---	---	10.4	---	---	---
23	---	---	---	---	---	---	---	---	10.4	---	---	---
24	---	---	---	---	---	---	---	---	10.9	---	---	---
25	---	---	---	---	---	---	---	---	11.2	---	---	---
26	---	---	---	---	---	---	---	---	11.5	---	---	---
27	---	---	---	---	---	---	---	---	11.0	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	8.9	---	---	9.7
2	---	---	---	---	---	---	---	---	8.7	---	---	9.4
3	---	---	---	---	---	---	---	---	9.5	---	---	9.2
4	---	---	---	---	---	---	---	---	10.1	---	---	9.1
5	---	---	---	---	---	---	---	---	10.1	---	---	9.2
6	---	---	---	---	---	---	---	---	9.7	---	---	9.3
7	---	---	---	---	---	---	---	---	9.7	---	---	9.3
8	---	---	---	---	---	---	---	---	10.2	---	---	9.2
9	---	---	---	---	---	---	---	---	10.4	---	---	8.8
10	---	---	---	---	---	---	---	---	10.3	---	---	8.6
11	---	---	---	---	---	---	---	---	10.2	---	---	8.5
12	---	---	---	---	---	---	---	---	10.3	---	---	8.4
13	---	---	---	---	---	---	---	---	10.2	---	---	8.4
14	---	---	---	---	---	---	---	---	10.2	---	---	8.3
15	---	---	---	---	---	10.4	---	---	10.0	---	---	8.3
16	---	---	---	---	---	10.3	---	---	9.7	---	---	8.3
17	---	---	---	---	---	10.2	---	---	9.5	---	---	8.1
18	---	---	---	---	---	10.0	---	---	9.9	---	---	8.1
19	---	---	---	---	---	9.7	---	---	10.4	---	---	8.0
20	---	---	---	---	---	9.5	---	---	10.5	---	---	7.9
21	---	---	---	---	---	9.1	---	---	10.5	---	---	8.0
22	---	---	---	---	---	9.1	---	---	10.3	---	---	8.2
23	---	---	---	---	---	9.3	---	---	9.8	---	---	8.2
24	---	---	---	---	---	9.3	---	---	9.7	---	---	8.2
25	---	---	---	---	---	9.3	---	---	9.9	---	---	8.2
26	---	---	---	---	---	9.5	---	---	9.9	---	---	8.1
27	---	---	---	---	---	9.9	---	---	9.7	---	---	8.1
28	---	---	---	---	---	9.9	---	---	9.7	---	---	---
29	---	---	---	---	---	9.9	---	---	9.8	---	---	8.0
30	---	---	---	---	---	9.5	---	---	9.8	---	---	8.0
31	---	---	---	---	---	---	---	---	9.8	---	---	8.0
MONTH	---	---	---	---	---	---	---	---	9.9	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	8.0	---	---	8.3	---	---	8.8	---	---	---
2	---	---	8.0	---	---	8.4	---	---	8.6	---	---	---
3	---	---	7.9	---	---	8.5	---	---	9.0	---	---	---
4	---	---	8.1	---	---	8.4	---	---	9.1	---	---	---
5	---	---	8.3	---	---	8.4	---	---	9.2	---	---	---
6	---	---	8.2	---	---	8.6	---	---	9.4	---	---	---
7	---	---	8.1	---	---	8.6	---	---	9.5	---	---	---
8	---	---	8.1	---	---	8.2	---	---	9.4	---	---	---
9	---	---	8.2	---	---	8.1	---	---	9.4	---	---	---
10	---	---	8.3	---	---	8.1	---	---	9.3	---	---	---
11	---	---	8.3	---	---	8.3	---	---	9.3	---	---	---
12	---	---	8.3	---	---	8.5	---	---	9.5	---	---	---
13	---	---	8.4	---	---	8.5	---	---	9.7	---	---	---
14	---	---	8.3	---	---	8.7	---	---	9.6	---	---	---
15	---	---	8.1	---	---	8.8	---	---	9.4	---	---	---
16	---	---	8.1	---	---	8.9	---	---	9.4	---	---	---
17	---	---	8.0	---	---	8.7	---	---	9.4	---	---	---
18	---	---	---	---	---	8.5	---	---	9.7	---	---	---
19	---	---	---	---	---	8.3	---	---	9.5	---	---	---
20	---	---	7.8	---	---	8.3	---	---	9.5	---	---	---
21	---	---	7.9	---	---	8.4	---	---	---	---	---	---
22	---	---	8.1	---	---	8.5	---	---	---	---	---	---
23	---	---	8.2	---	---	8.4	---	---	---	---	---	---
24	---	---	8.1	---	---	8.4	---	---	---	---	---	9.9
25	---	---	8.0	---	---	8.5	---	---	---	---	---	10.4
26	---	---	8.2	---	---	8.6	---	---	---	---	---	---
27	---	---	8.2	---	---	8.5	---	---	---	---	---	---
28	---	---	8.2	---	---	8.4	---	---	---	---	---	---
29	---	---	8.3	---	---	8.4	---	---	---	---	---	---
30	---	---	---	---	---	8.7	---	---	---	---	---	---
31	---	---	---	---	---	8.8	---	---	---	---	---	---
MONTH	---	---	---	---	---	8.5	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	11.1	---	---	11.2	---	---	10.5	---	---	10.4
2	---	---	---	---	---	10.7	---	---	10.7	---	---	---
3	---	---	11.0	---	---	10.4	---	---	10.9	---	---	10.5
4	---	---	11.0	---	---	10.6	---	---	10.9	---	---	---
5	---	---	11.0	---	---	11.5	---	---	10.5	---	---	---
6	---	---	---	---	---	11.8	---	---	10.1	---	---	---
7	---	---	11.0	---	---	11.2	---	---	10.3	---	---	10.9
8	---	---	11.2	---	---	10.5	---	---	10.5	---	---	11.2
9	---	---	---	---	---	9.9	---	---	10.6	---	---	10.9
10	---	---	10.7	---	---	10.2	---	---	11.1	---	---	10.5
11	---	---	10.7	---	---	10.5	---	---	10.8	---	---	10.4
12	---	---	10.9	---	---	10.8	---	---	10.7	---	---	10.4
13	---	---	10.9	---	---	10.8	---	---	10.7	---	---	10.7
14	---	---	11.0	---	---	10.4	---	---	10.8	---	---	11.0
15	---	---	11.1	---	---	10.3	---	---	10.6	---	---	10.7
16	---	---	---	---	---	10.5	---	---	10.6	---	---	10.7
17	---	---	---	---	---	10.5	---	---	10.7	---	---	10.8
18	---	---	10.8	---	---	10.4	---	---	10.7	---	---	10.4
19	---	---	10.7	---	---	10.4	---	---	10.5	---	---	10.4
20	---	---	11.0	---	---	10.9	---	---	10.5	---	---	10.4
21	---	---	11.2	---	---	11.2	---	---	10.4	---	---	10.9
22	---	---	11.6	---	---	11.1	---	---	10.4	---	---	10.8
23	---	---	---	---	---	11.1	---	---	10.4	---	---	10.5
24	---	---	10.7	---	---	11.0	---	---	10.4	---	---	10.6
25	---	---	10.7	---	---	10.7	---	---	10.9	---	---	10.8
26	---	---	11.0	---	---	10.5	---	---	10.6	---	---	10.8
27	---	---	---	---	---	11.1	---	---	10.4	---	---	10.4
28	---	---	---	---	---	10.8	---	---	---	---	---	10.5
29	---	---	---	---	---	10.6	---	---	10.6	---	---	10.8
30	---	---	11.4	---	---	---	---	---	10.9	---	---	10.6
31	---	---	---	---	---	---	---	---	10.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.7	10.0	10.4	10.3	9.7	10.0	9.7	9.3	9.4	8.9	8.8	8.9
2	11.0	10.5	10.7	10.0	9.4	9.8	9.8	9.4	9.6	8.9	8.7	8.8
3	11.2	10.6	10.9	9.5	9.1	9.3	9.8	9.6	9.7	8.7	8.3	8.6
4	11.1	10.5	10.8	9.5	9.0	9.2	9.9	9.6	9.7	8.3	7.6	8.0
5	11.1	10.4	10.8	9.4	9.0	9.1	9.9	9.6	9.8	7.9	7.6	7.7
6	10.8	10.2	10.5	9.6	9.0	9.3	9.9	9.5	9.7	8.1	7.3	7.8
7	10.6	9.9	10.2	9.8	9.2	9.5	9.9	9.6	9.8	7.3	6.5	6.8
8	10.6	10.0	10.2	9.8	9.4	9.6	10.0	9.6	9.8	7.3	6.5	6.9
9	10.6	9.9	10.2	10.3	9.4	9.8	10.3	10.0	10.1	8.3	7.3	7.8
10	10.7	9.9	10.2	10.3	9.8	10.0	10.0	9.6	9.8	8.2	7.9	8.0
11	11.1	10.2	10.6	9.9	9.2	9.7	9.8	9.6	9.7	8.8	7.7	8.3
12	11.0	10.3	10.6	9.2	8.8	9.0	10.2	9.8	10.1	8.3	8.2	8.3
13	10.8	10.1	10.4	9.3	8.8	9.0	10.0	9.1	9.6	8.2	7.7	7.9
14	10.9	10.2	10.6	9.6	9.0	9.3	9.1	8.7	8.9	8.0	7.7	7.9
15	11.0	10.4	10.7	9.8	9.3	9.5	9.1	8.6	8.9	---	---	---
16	10.8	10.3	10.5	10.0	9.4	9.7	9.5	9.1	9.3	8.5	8.3	8.4
17	10.7	10.2	10.4	10.1	9.7	9.9	9.1	8.8	9.0	8.6	8.4	8.5
18	10.7	10.0	10.4	10.4	9.9	10.1	9.1	8.8	8.9	---	---	---
19	10.5	10.0	10.3	10.3	10.0	10.1	9.2	8.8	9.0	---	---	---
20	10.5	10.0	10.2	10.0	9.3	9.8	8.8	8.2	8.6	---	---	---
21	10.5	10.0	10.2	9.6	9.1	9.3	8.3	7.9	8.1	---	---	---
22	10.8	10.0	10.4	9.1	8.2	8.7	8.3	7.9	8.1	8.4	8.0	8.2
23	10.8	10.3	10.5	8.9	8.2	8.6	8.3	8.0	8.1	8.3	8.0	8.1
24	10.6	10.4	10.5	9.0	8.6	8.8	8.5	8.0	8.3	8.1	7.7	7.9
25	10.8	10.4	10.6	8.9	8.4	8.6	8.5	8.2	8.3	7.9	7.5	7.7
26	11.1	10.4	10.8	8.6	8.1	8.4	8.3	8.0	8.2	7.9	7.6	7.7
27	11.0	10.6	10.9	8.8	8.2	8.5	---	---	---	8.0	7.7	7.8
28	10.8	10.5	10.6	9.2	8.6	8.9	8.2	7.9	8.0	8.0	7.7	7.8
29	10.6	10.3	10.4	9.8	9.2	9.5	8.7	8.1	8.5	8.2	7.8	8.0
30	10.3	10.2	10.2	9.7	9.2	9.4	8.9	8.7	8.8	8.1	7.9	8.0
31	10.5	10.0	10.2	---	---	---	9.1	8.9	9.0	8.1	8.0	8.1
MONTH	11.2	9.9	10.5	10.4	8.1	9.3	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	8.0	8.2	8.3	7.8	8.0	9.7	8.7	9.1	---	---	---
2	8.5	8.1	8.3	8.5	7.8	8.1	9.4	8.7	9.1	---	---	---
3	8.3	8.0	8.2	8.6	8.0	8.2	9.5	8.6	9.0	---	---	---
4	8.3	7.9	8.1	8.5	8.0	8.2	9.4	8.8	9.1	---	---	---
5	8.2	7.9	8.1	8.4	7.7	8.1	9.7	8.9	9.2	---	---	---
6	8.1	7.9	8.0	8.7	8.0	8.3	9.4	8.4	8.8	---	---	---
7	8.2	7.9	8.0	8.7	8.0	8.3	9.1	8.2	8.6	---	---	---
8	8.1	7.9	8.0	8.9	8.2	8.5	---	---	---	---	---	---
9	8.1	7.8	8.0	8.8	8.3	8.5	---	---	---	---	---	---
10	8.4	8.0	8.2	9.0	8.4	8.7	---	---	---	---	---	---
11	8.4	8.1	8.2	9.0	8.5	8.7	---	---	---	---	---	---
12	8.6	8.2	8.3	8.7	8.2	8.4	---	---	---	---	---	---
13	8.6	8.3	8.4	8.5	8.0	8.2	---	---	---	---	---	---
14	8.4	8.2	8.3	8.2	7.9	8.0	---	---	---	---	---	---
15	8.2	7.8	8.1	8.9	8.1	8.4	---	---	---	---	---	---
16	8.0	7.7	7.8	8.9	8.1	8.5	---	---	---	---	---	---
17	8.3	7.9	8.1	8.8	8.5	8.6	---	---	---	---	---	---
18	8.1	7.9	8.0	9.1	8.4	8.7	---	---	---	---	---	---
19	8.1	7.9	8.0	8.9	8.3	8.6	---	---	---	---	---	---
20	8.2	7.9	8.1	8.7	8.5	8.6	---	---	---	---	---	---
21	8.2	7.7	8.0	9.1	8.6	8.8	---	---	---	---	---	---
22	7.9	7.4	7.6	9.2	8.4	8.7	---	---	---	---	---	---
23	7.8	7.3	7.6	9.4	8.6	9.0	---	---	---	---	---	---
24	7.9	7.6	7.8	9.2	8.8	8.9	---	---	---	---	---	---
25	8.0	7.7	7.8	9.3	8.7	8.9	---	---	---	---	---	---
26	7.9	7.7	7.7	9.0	8.6	8.8	---	---	---	---	---	---
27	8.0	7.6	7.8	9.0	8.6	8.8	---	---	---	---	---	---
28	8.0	7.8	7.9	8.8	8.4	8.6	---	---	---	---	---	---
29	---	---	---	9.0	8.1	8.5	---	---	---	---	---	---
30	---	---	---	9.2	8.4	8.8	---	---	---	---	---	---
31	---	---	---	9.6	8.8	9.1	---	---	---	---	---	---
MONTH	8.6	7.3	8.0	9.6	7.7	8.5	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	12.2	10.5	11.3	12.0	11.0	11.6
2	---	---	---	---	---	---	12.0	10.8	11.4	11.8	11.0	11.5
3	---	---	---	---	---	---	11.8	10.7	11.3	11.7	11.4	11.6
4	---	---	---	---	---	---	11.5	10.5	11.0	11.6	11.2	11.4
5	---	---	---	---	---	---	11.5	10.6	11.1	11.8	11.4	11.6
6	---	---	---	---	---	---	11.7	10.5	11.2	12.2	11.5	11.8
7	---	---	---	---	---	---	11.7	10.7	11.2	12.6	11.6	12.0
8	---	---	---	---	---	---	11.5	10.7	11.1	12.0	11.4	11.7
9	---	---	---	---	---	---	11.3	10.5	11.0	11.9	11.3	11.7
10	---	---	---	---	---	---	11.2	10.5	10.9	11.5	11.1	11.4
11	---	---	---	---	---	---	11.6	10.6	11.0	11.9	11.4	11.6
12	---	---	---	---	---	---	11.7	10.6	11.2	12.1	11.4	11.8
13	---	---	---	---	---	---	11.6	10.4	11.1	12.6	11.7	12.1
14	---	---	---	---	---	---	11.4	10.2	10.8	12.0	11.1	11.6
15	---	---	---	---	---	---	11.7	10.3	11.1	11.3	10.6	11.0
16	---	---	---	12.2	10.7	11.6	12.0	10.7	11.4	11.8	11.2	11.5
17	---	---	---	12.0	10.7	11.5	11.6	10.3	11.1	12.0	11.7	11.8
18	---	---	---	11.8	10.7	11.4	11.5	10.2	10.8	11.7	10.8	11.3
19	---	---	---	11.8	11.2	11.5	11.4	10.4	11.0	11.5	10.7	11.1
20	---	---	---	12.2	11.0	11.6	11.6	11.0	11.3	11.7	10.7	11.1
21	---	---	---	11.8	10.5	11.3	11.6	10.7	11.0	12.1	10.9	11.5
22	---	---	---	11.7	10.3	11.1	12.0	10.8	11.4	11.6	11.0	11.4
23	---	---	---	11.7	10.4	11.1	11.7	11.0	11.4	11.5	11.0	11.3
24	---	---	---	12.0	10.5	11.4	11.9	10.7	11.3	11.4	11.0	11.2
25	---	---	---	12.2	10.9	11.6	11.8	10.8	11.3	11.3	10.8	11.1
26	---	---	---	12.0	11.0	11.6	11.8	10.8	11.3	11.5	10.8	11.1
27	---	---	---	12.0	10.8	11.5	11.5	11.1	11.3	12.0	10.9	11.4
28	---	---	---	11.7	10.6	11.3	11.5	10.8	11.2	11.7	11.0	11.4
29	---	---	---	11.9	10.5	11.2	11.6	10.8	11.2	11.5	11.0	11.3
30	---	---	---	11.8	10.5	11.2	11.4	11.0	11.3	11.5	11.0	11.2
31	---	---	---	11.7	10.5	11.1	12.0	11.0	11.4	---	---	---
MONTH	---	---	---	---	---	---	12.2	10.2	11.2	12.6	10.6	11.5

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1994												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.5	11.0	11.3	10.8	10.0	10.4	10.4	9.8	10.1	9.6	9.4	9.5
2	11.9	11.1	11.5	10.9	10.3	10.6	10.7	10.2	10.5	9.8	9.4	9.6
3	12.0	11.3	11.6	10.5	10.2	10.3	10.4	10.2	10.3	9.8	9.5	9.6
4	12.0	11.3	11.6	10.8	10.4	10.6	10.3	10.1	10.2	9.6	9.4	9.5
5	11.7	11.3	11.5	10.7	10.4	10.6	10.4	10.0	10.1	9.5	9.3	9.4
6	11.6	11.4	11.5	10.4	9.7	10.2	10.2	10.0	10.1	9.4	9.1	9.3
7	11.9	11.2	11.5	9.8	9.4	9.7	10.5	10.2	10.3	9.1	8.5	8.8
8	11.4	10.9	11.2	10.0	9.4	9.7	10.2	10.1	10.2	8.6	8.4	8.5
9	11.6	11.2	11.4	10.4	9.6	10.1	10.4	10.1	10.2	8.9	8.5	8.7
10	11.5	11.0	11.2	10.3	10.0	10.2	10.4	10.2	10.3	8.9	8.4	8.6
11	11.5	11.0	11.2	10.3	10.1	10.2	10.4	10.2	10.3	9.1	8.6	8.9
12	11.7	11.0	11.4	10.3	10.1	10.2	10.3	9.9	10.2	9.1	8.7	8.9
13	11.8	11.2	11.5	10.5	10.1	10.3	10.0	9.5	9.8	9.1	8.7	8.9
14	11.8	11.2	11.5	10.3	9.9	10.1	9.6	8.6	9.1	9.2	8.8	9.0
15	11.5	11.1	11.2	10.0	9.7	9.9	9.6	8.8	9.4	9.2	8.9	9.0
16	11.1	10.9	11.0	9.9	9.5	9.7	9.9	9.5	9.7	9.2	8.9	9.0
17	11.4	10.9	11.1	10.7	9.7	10.4	10.3	9.9	10.1	9.1	8.7	8.9
18	11.3	10.8	11.0	10.8	10.4	10.6	10.1	9.9	10.0	9.0	8.6	8.8
19	11.1	10.6	10.8	10.6	10.0	10.4	10.0	9.8	9.9	9.0	8.7	8.8
20	11.2	10.5	10.8	10.3	9.8	10.1	9.8	9.6	9.7	8.9	8.6	8.7
21	10.8	10.4	10.6	10.3	9.8	10.1	9.8	9.4	9.6	8.9	8.5	8.7
22	10.9	10.2	10.6	10.4	10.0	10.2	9.7	9.5	9.6	8.7	8.5	8.6
23	11.3	10.5	10.9	10.8	10.3	10.5	9.6	9.4	9.5	8.8	8.4	8.6
24	11.3	10.7	11.0	10.7	10.1	10.5	9.6	9.3	9.4	8.8	8.4	8.6
25	11.4	10.7	11.0	10.1	9.0	9.9	9.8	9.2	9.5	8.8	8.4	8.6
26	11.3	10.6	11.0	9.0	8.6	8.9	9.7	9.3	9.5	8.8	8.5	8.7
27	11.0	10.4	10.7	8.8	8.6	8.7	9.5	9.4	9.5	8.9	8.5	8.7
28	10.6	10.3	10.5	9.5	8.6	9.1	10.0	9.5	9.7	8.7	8.5	8.6
29	11.3	10.5	10.9	9.8	9.3	9.6	9.9	9.7	9.8	8.9	8.5	8.7
30	11.1	10.5	10.8	9.9	9.6	9.7	9.7	9.5	9.6	8.6	8.4	8.5
31	10.6	10.2	10.5	---	---	---	9.6	9.5	9.5	8.5	7.9	8.2
MONTH	12.0	10.2	11.1	10.9	8.6	10.0	10.7	8.6	9.9	9.8	7.9	8.9

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1994											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	7.8	8.0	9.1	8.7	8.9	10.0	9.0	9.4	10.5	9.6	10.0
2	8.1	7.9	8.0	9.4	8.7	9.0	10.4	9.3	9.8	11.0	9.9	10.4
3	8.3	8.0	8.1	9.5	8.8	9.1	10.3	9.5	9.9	11.0	10.0	10.5
4	8.7	8.2	8.4	9.6	8.9	9.2	10.4	9.6	10.0	11.3	10.2	10.7
5	8.9	8.6	8.8	9.7	9.0	9.3	10.0	9.2	9.7	11.0	10.2	10.6
6	9.0	8.6	8.8	9.8	9.2	9.4	9.7	9.0	9.4	11.3	10.3	10.7
7	8.9	8.6	8.8	9.5	9.2	9.4	10.0	9.2	9.5	10.9	10.2	10.6
8	8.8	8.6	8.7	9.7	9.2	9.4	9.5	9.2	9.4	11.3	10.3	10.7
9	9.0	8.5	8.7	9.7	9.0	9.3	9.5	9.0	9.4	10.9	10.2	10.6
10	8.7	8.5	8.6	9.6	9.0	9.3	9.5	8.9	9.2	11.0	9.9	10.4
11	8.6	8.3	8.5	9.6	9.0	9.2	9.7	8.7	9.2	10.9	10.2	10.5
12	8.4	7.9	8.2	9.5	9.0	9.2	10.1	9.0	9.6	11.5	10.2	10.8
13	7.9	7.6	7.8	9.6	9.0	9.3	10.5	9.8	10.1	11.0	10.5	10.8
14	8.2	7.6	7.9	10.0	9.2	9.5	10.4	9.8	10.1	11.1	10.5	10.8
15	8.5	7.9	8.2	9.8	9.2	9.5	10.6	9.8	10.1	11.5	10.4	10.9
16	8.6	8.2	8.4	9.8	9.2	9.4	10.3	9.6	10.0	11.5	10.5	11.0
17	8.8	8.4	8.6	10.0	9.2	9.5	10.4	9.9	10.1	11.7	10.7	11.2
18	8.9	8.6	8.8	9.7	9.4	9.5	10.9	9.9	10.3	11.3	10.5	10.9
19	8.7	8.4	8.6	9.5	9.0	9.3	10.7	10.0	10.3	11.0	10.2	10.7
20	8.4	8.1	8.2	9.6	8.9	9.2	10.6	9.9	10.2	10.9	10.3	10.6
21	8.6	8.2	8.4	9.7	8.9	9.3	10.6	10.0	10.3	11.0	10.0	10.5
22	8.7	8.3	8.4	9.8	9.2	9.5	10.8	10.1	10.5	11.9	10.5	11.2
23	8.3	8.0	8.2	9.8	9.2	9.5	11.1	10.3	10.7	11.7	10.6	11.2
24	8.5	7.8	8.1	9.2	8.7	9.0	10.9	10.0	10.4	11.7	10.7	11.3
25	8.9	8.3	8.6	9.2	8.6	8.9	10.1	9.6	9.9	11.1	10.3	10.8
26	9.0	8.5	8.7	9.4	8.8	9.0	9.6	9.0	9.3	11.0	10.2	10.5
27	9.1	8.7	8.9	9.6	8.9	9.2	9.7	8.9	9.3	11.2	10.2	10.7
28	9.4	8.8	9.0	9.7	8.9	9.3	9.6	9.0	9.3	11.9	11.0	11.4
29	---	---	---	9.9	8.9	9.4	9.7	8.9	9.2	12.0	10.7	11.4
30	---	---	---	9.9	9.3	9.6	10.1	9.1	9.6	12.6	10.9	11.7
31	---	---	---	9.9	9.0	9.4	---	---	---	12.9	11.6	12.3
MONTH	9.4	7.6	8.4	10.0	8.6	9.3	11.1	8.7	9.8	12.9	9.6	10.9

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1994												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	12.5	11.3	11.9	11.7	11.0	11.4	11.5	10.8	11.2	11.0	10.3	10.7
2	12.1	11.2	11.7	11.8	10.7	11.3	11.4	10.7	11.1	11.3	10.5	10.8
3	12.1	10.9	11.5	12.0	11.0	11.5	11.4	10.2	10.9	11.6	11.1	11.3
4	12.5	11.2	11.8	12.1	11.3	11.7	11.5	10.4	11.0	12.2	10.9	11.3
5	12.7	11.3	12.0	12.4	11.5	11.9	11.5	10.3	11.0	12.2	11.4	11.8
6	12.8	11.5	12.2	11.8	11.0	11.5	11.3	10.4	10.9	11.7	10.9	11.4
7	12.7	11.8	12.3	11.6	10.5	11.2	11.1	10.5	10.9	11.2	10.7	10.9
8	12.3	11.3	11.9	11.5	10.5	11.1	11.0	10.7	10.9	11.0	10.5	10.8
9	12.3	11.2	11.8	11.7	10.4	11.1	11.3	10.7	10.9	11.0	10.6	10.8
10	12.0	10.9	11.5	11.9	11.1	11.5	11.5	10.1	10.9	11.2	10.8	11.0
11	12.3	11.1	11.7	12.1	11.4	11.7	11.5	10.4	11.0	11.3	10.8	11.0
12	12.5	11.3	11.9	11.9	11.0	11.5	11.5	10.5	11.1	11.7	10.7	11.1
13	12.7	11.4	12.1	11.6	10.3	11.0	11.5	10.7	11.2	11.6	10.9	11.2
14	12.5	11.7	12.1	11.7	10.4	11.1	11.2	10.7	11.0	11.5	10.7	11.2
15	12.1	11.3	11.7	11.7	10.3	11.1	11.7	11.0	11.3	10.7	10.1	10.5
16	12.3	11.3	11.8	11.6	10.3	11.1	11.5	10.6	11.1	10.9	10.1	10.4
17	12.0	11.4	11.8	11.5	10.7	11.1	11.6	10.3	11.0	10.6	10.2	10.4
18	11.8	11.3	11.6	11.5	11.2	11.3	12.1	10.3	11.0	11.1	10.5	10.8
19	12.1	10.9	11.5	12.2	10.9	11.4	12.1	10.3	10.9	11.1	10.5	10.8
20	12.4	11.3	11.8	12.0	10.8	11.4	10.8	10.0	10.5	11.1	10.5	10.8
21	12.0	11.0	11.7	11.9	10.8	11.4	11.4	10.6	11.0	10.8	10.4	10.6
22	11.4	10.6	11.0	11.5	10.7	11.1	11.7	11.0	11.3	10.8	10.1	10.5
23	11.8	10.6	11.2	10.8	10.3	10.5	11.6	10.8	11.2	10.9	10.5	10.7
24	12.3	11.5	11.9	11.3	10.3	10.7	11.1	10.5	10.9	10.8	10.3	10.5
25	12.3	11.5	11.9	11.6	10.9	11.3	11.2	10.1	10.7	10.9	10.2	10.5
26	12.7	11.6	12.1	11.7	11.1	11.4	11.2	10.4	10.8	11.2	10.3	10.7
27	13.1	12.0	12.5	11.4	10.4	10.8	11.3	10.4	10.9	10.9	10.3	10.6
28	12.7	11.6	12.1	11.3	10.3	10.8	11.4	10.7	11.1	10.7	10.1	10.4
29	11.8	11.3	11.6	11.5	10.4	11.0	11.6	10.8	11.2	10.6	10.4	10.4
30	11.8	11.2	11.6	11.9	10.3	11.1	11.2	10.6	10.9	10.6	10.0	10.3
31	---	---	---	11.7	10.5	11.1	10.9	10.1	10.6	---	---	---
MONTH	13.1	10.6	11.8	12.4	10.3	11.2	12.1	10.0	11.0	12.2	10.0	10.8

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1995												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.6	9.8	10.2	9.5	9.0	9.3	8.2	7.6	7.9	9.0	8.6	8.9
2	10.9	10.2	10.5	9.4	8.9	9.1	8.6	8.0	8.3	8.8	8.4	8.6
3	10.6	10.1	10.4	9.5	8.9	9.2	8.8	8.4	8.6	8.6	8.3	8.4
4	10.9	10.3	10.6	9.6	9.1	9.3	9.2	8.7	8.9	8.7	8.5	8.6
5	10.9	10.5	10.7	9.1	8.6	8.9	9.4	9.1	9.2	8.7	8.5	8.6
6	10.9	10.1	10.5	9.2	8.5	8.8	9.5	9.3	9.4	9.0	8.7	8.8
7	10.5	9.9	10.2	9.4	8.6	9.0	9.5	9.3	9.4	9.0	8.8	8.9
8	10.5	9.9	10.1	9.4	9.0	9.2	9.4	8.9	9.2	8.9	8.7	8.8
9	10.4	9.8	10.0	9.4	8.9	9.1	9.0	8.1	8.6	9.1	8.7	8.9
10	10.4	9.7	10.0	9.3	8.9	9.1	8.6	8.0	8.3	9.0	8.8	8.9
11	10.5	9.8	10.1	9.3	8.8	9.1	8.6	8.2	8.4	8.8	8.7	8.8
12	10.5	9.9	10.2	9.5	9.0	9.3	8.7	8.3	8.5	8.7	8.5	8.7
13	10.3	9.8	10.0	9.3	8.9	9.1	9.0	8.6	8.8	8.9	8.5	8.7
14	10.2	9.9	10.0	9.0	8.2	8.7	9.3	9.0	9.1	8.9	8.6	8.8
15	10.1	9.7	9.9	8.5	7.8	8.2	9.2	8.9	9.0	8.8	8.5	8.7
16	10.0	9.5	9.7	8.1	7.7	7.9	9.1	8.9	9.0	8.5	8.1	8.4
17	9.8	9.2	9.5	8.6	7.9	8.2	9.0	8.8	8.9	8.2	7.8	8.1
18	9.6	9.0	9.3	8.3	8.0	8.1	9.0	8.6	8.8	7.8	7.5	7.7
19	9.9	9.3	9.5	8.2	7.9	8.1	8.9	8.5	8.7	7.9	7.5	7.7
20	10.0	9.3	9.6	8.1	7.6	7.9	8.9	8.5	8.7	7.9	7.5	7.7
21	10.0	9.3	9.7	8.3	7.8	8.1	9.0	8.7	8.8	8.0	7.8	7.9
22	10.0	9.4	9.7	8.4	7.8	8.1	9.0	8.8	8.9	8.1	7.9	8.0
23	10.0	9.5	9.8	8.5	8.1	8.3	8.9	8.8	8.8	8.1	7.9	7.9
24	10.1	9.5	9.8	8.5	8.1	8.3	9.1	8.8	9.0	8.2	7.9	8.0
25	9.9	9.5	9.7	8.3	8.0	8.1	9.3	9.0	9.2	8.3	8.2	8.3
26	10.1	9.5	9.8	8.4	7.9	8.2	9.7	9.2	9.5	8.5	8.2	8.3
27	10.0	9.3	9.7	8.5	8.0	8.3	9.8	9.4	9.6	8.7	8.4	8.5
28	10.2	9.5	9.9	8.2	7.6	8.0	9.5	9.2	9.3	8.6	8.3	8.5
29	10.3	9.7	9.9	7.7	7.4	7.6	9.2	9.1	9.1	8.3	8.0	8.1
30	10.1	9.5	9.9	8.0	7.5	7.8	9.4	9.1	9.2	8.3	7.9	8.0
31	9.8	9.3	9.5	---	---	---	9.2	9.0	9.1	8.2	7.8	8.0
MONTH	10.9	9.0	9.9	9.6	7.4	8.5	9.8	7.6	8.9	9.1	7.5	8.4

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1995												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.2	7.7	8.0	8.6	8.5	8.5	9.7	8.9	9.3	11.8	10.7	11.2
2	8.5	8.0	8.2	8.8	8.4	8.6	9.7	9.2	9.4	11.0	10.5	10.8
3	8.6	8.1	8.3	8.6	8.5	8.6	10.3	9.1	9.6	11.0	10.3	10.6
4	8.6	8.1	8.3	9.0	8.4	8.7	10.3	9.5	9.9	10.9	10.1	10.6
5	8.5	8.0	8.2	8.7	8.4	8.6	10.3	9.5	9.9	10.9	10.1	10.6
6	8.5	8.0	8.2	9.2	8.5	8.8	9.9	9.5	9.7	10.1	9.8	10.0
7	8.3	7.9	8.1	8.9	8.3	8.6	10.2	9.4	9.8	10.5	9.6	10.0
8	8.3	7.9	8.1	8.6	8.1	8.3	10.3	9.6	10.0	10.6	9.4	10.0
9	8.4	7.9	8.1	8.9	8.1	8.5	10.3	9.5	9.9	11.1	10.1	10.6
10	8.4	7.9	8.1	9.0	8.4	8.7	10.0	9.0	9.4	11.2	10.4	10.8
11	8.4	8.0	8.2	8.9	8.7	8.8	9.5	8.7	9.1	11.0	10.4	10.6
12	8.6	8.2	8.4	9.5	8.7	9.0	10.0	9.1	9.5	10.9	10.2	10.6
13	8.7	8.1	8.4	9.2	8.6	8.9	10.1	9.5	9.8	11.0	10.4	10.7
14	8.4	8.1	8.3	9.1	8.5	8.7	9.8	9.5	9.7	11.3	10.4	10.8
15	8.4	8.1	8.2	9.2	8.6	8.9	9.8	9.4	9.6	12.0	10.3	11.1
16	8.1	7.6	7.8	9.4	8.7	9.0	9.8	9.2	9.5	11.5	10.5	10.9
17	8.0	7.5	7.7	9.5	8.8	9.1	10.0	9.2	9.6	10.7	10.1	10.4
18	8.3	7.7	8.0	9.6	9.0	9.3	9.5	9.0	9.2	10.5	9.9	10.2
19	8.3	7.8	8.1	10.0	9.2	9.5	9.6	8.9	9.2	10.9	10.1	10.4
20	8.7	8.0	8.3	9.7	9.2	9.4	9.1	8.9	8.9	11.3	10.5	10.8
21	8.6	8.2	8.4	9.9	9.3	9.5	9.4	9.0	9.2	12.1	10.7	11.4
22	8.7	8.4	8.5	9.7	9.0	9.3	9.8	9.0	9.4	12.1	11.3	11.7
23	8.9	8.4	8.6	9.3	8.7	9.0	10.2	9.3	9.8	11.7	10.8	11.3
24	8.8	8.3	8.5	9.0	8.3	8.6	10.8	9.6	10.2	10.8	10.3	10.5
25	8.6	8.5	8.5	8.9	8.3	8.5	10.7	9.8	10.2	10.9	10.0	10.4
26	8.9	8.4	8.6	8.8	7.8	8.3	10.4	9.9	10.2	10.7	10.1	10.4
27	8.9	8.3	8.6	9.1	8.0	8.4	10.5	10.2	10.3	11.1	10.2	10.6
28	8.8	8.5	8.6	9.0	8.4	8.6	10.8	10.1	10.5	10.7	10.1	10.4
29	---	---	---	9.0	8.4	8.6	10.9	10.1	10.5	11.4	10.2	10.8
30	---	---	---	9.1	8.3	8.7	11.3	10.6	10.9	12.1	10.7	11.4
31	---	---	---	9.6	8.6	9.1	---	---	---	12.1	11.2	11.6
MONTH	8.9	7.5	8.3	10.0	7.8	8.8	11.3	8.7	9.7	12.1	9.4	10.7

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1995											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.6	11.1	11.3	12.1	10.8	11.4	12.3	10.8	11.6	12.2	11.1	11.7
2	11.3	10.1	10.8	12.1	10.8	11.5	12.4	10.9	11.7	12.4	11.2	11.8
3	10.9	10.0	10.5	12.0	10.9	11.5	12.3	11.2	11.7	12.5	11.3	11.8
4	11.2	9.9	10.6	12.1	10.8	11.5	12.3	11.1	11.7	12.5	11.4	11.9
5	11.6	10.1	10.8	12.3	10.5	11.5	12.5	11.0	11.7	12.5	11.4	12.0
6	11.6	10.2	11.0	12.3	10.7	11.6	12.5	11.1	11.8	12.2	11.5	11.8
7	11.3	10.1	10.6	12.1	10.6	11.5	12.6	11.1	11.8	11.8	10.9	11.3
8	10.6	9.6	10.0	12.3	10.8	11.6	12.4	11.0	11.7	11.9	11.1	11.5
9	10.7	9.0	9.9	12.2	10.7	11.5	12.6	11.4	11.9	11.8	10.7	11.3
10	11.2	9.7	10.5	12.5	11.1	11.8	12.4	11.2	11.8	12.4	11.3	11.8
11	11.6	10.0	10.9	12.3	11.0	11.7	12.4	11.4	11.9	11.9	11.2	11.6
12	11.8	10.4	11.2	12.3	11.1	11.8	12.3	11.3	11.8	11.9	11.1	11.4
13	11.7	10.3	11.1	12.1	10.6	11.2	12.4	11.2	11.8	11.9	11.0	11.4
14	11.9	10.2	11.2	11.7	10.1	10.9	12.0	11.5	11.7	12.1	11.0	11.5
15	11.5	10.4	11.0	12.0	10.6	11.3	12.5	11.1	11.8	12.2	10.9	11.6
16	11.1	10.0	10.3	11.9	10.7	11.4	12.1	11.2	11.6	12.5	11.3	11.9
17	10.4	9.7	10.1	12.3	11.0	11.7	12.2	11.3	11.7	12.1	11.3	11.7
18	11.0	9.6	10.2	12.0	11.0	11.5	12.5	11.0	11.8	12.4	11.3	11.8
19	11.4	10.0	10.7	11.7	11.0	11.3	12.1	11.3	11.6	12.1	11.2	11.6
20	11.7	9.9	10.9	12.4	10.5	11.4	12.0	10.8	11.4	12.1	11.1	11.6
21	11.9	10.3	11.1	12.2	10.8	11.5	12.6	11.3	11.9	12.6	11.1	11.9
22	11.6	10.1	10.9	12.4	10.8	11.7	12.6	11.1	11.9	12.1	10.9	11.4
23	11.6	10.2	11.0	12.2	10.9	11.6	12.5	11.5	12.0	12.3	10.9	11.5
24	11.7	10.1	11.0	12.5	10.9	11.7	12.2	11.3	11.7	12.1	11.2	11.6
25	11.9	10.3	11.2	12.4	10.8	11.6	12.0	11.2	11.7	11.8	10.9	11.3
26	11.8	10.4	11.2	12.5	10.7	11.6	12.5	11.2	11.8	12.3	10.9	11.5
27	11.5	10.5	11.1	12.5	10.8	11.7	12.2	11.3	11.8	12.3	11.5	11.9
28	11.2	10.3	10.9	12.4	11.0	11.7	12.5	11.5	12.0	12.3	11.4	11.7
29	11.1	10.5	10.9	12.1	10.8	11.5	12.2	11.3	11.8	11.9	10.9	11.3
30	11.7	10.2	11.0	12.0	10.8	11.5	12.4	11.2	11.8	11.5	10.5	10.9
31	---	---	---	11.8	10.8	11.4	12.2	11.2	11.7	---	---	---
MONTH	11.9	9.0	10.8	12.5	10.1	11.5	12.6	10.8	11.8	12.6	10.5	11.6

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	899	---	---	882
2	---	---	---	---	---	---	---	---	893	---	---	875
3	---	---	---	---	---	---	---	---	885	---	---	877
4	---	---	---	---	---	---	---	---	881	---	---	870
5	---	---	---	---	---	---	---	---	883	---	---	869
6	---	---	---	---	---	---	---	---	902	---	---	872
7	---	---	---	---	---	---	---	---	880	---	---	877
8	---	---	---	---	---	---	---	---	875	---	---	881
9	---	---	---	---	---	---	---	---	878	---	---	878
10	---	---	---	---	---	---	---	---	888	---	---	882
11	---	---	---	---	---	---	---	---	899	---	---	873
12	---	---	---	---	---	---	---	---	899	---	---	881
13	---	---	---	---	---	---	---	---	886	---	---	869
14	---	---	---	---	---	---	---	---	878	---	---	871
15	---	---	---	---	---	---	---	---	886	---	---	877
16	---	---	---	---	---	---	---	---	---	---	---	903
17	---	---	---	---	---	---	---	---	886	---	---	893
18	---	---	---	---	---	---	---	---	890	---	---	856
19	---	---	---	---	---	---	---	---	906	---	---	870
20	---	---	---	---	---	---	---	---	889	---	---	869
21	---	---	---	---	---	---	---	---	878	---	---	890
22	---	---	---	---	---	---	---	---	886	---	---	876
23	---	---	---	---	---	---	---	---	888	---	---	865
24	---	---	---	---	---	---	---	---	883	---	---	869
25	---	---	---	---	---	---	---	---	895	---	---	864
26	---	---	---	---	---	---	---	---	905	---	---	903
27	---	---	---	---	---	---	---	---	891	---	---	879
28	---	---	---	---	---	---	---	---	871	---	---	875
29	---	---	---	---	---	---	---	---	866	---	---	905
30	---	---	---	---	---	---	---	---	879	---	---	928
31	---	---	---	---	---	884	---	---	890	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	879

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	862	845	852	851	830	839	865	841	853
2	---	---	---	869	843	855	851	829	838	865	848	860
3	---	---	---	865	843	853	853	831	840	855	845	851
4	---	---	---	885	865	874	853	830	840	861	834	850
5	---	---	---	868	857	861	846	833	839	---	---	---
6	---	---	---	897	853	868	857	841	848	---	---	---
7	---	---	---	855	838	847	856	840	846	---	---	---
8	---	---	---	861	848	854	851	838	842	---	---	---
9	---	---	---	869	854	859	853	840	844	---	---	---
10	---	---	---	864	850	855	849	841	844	---	---	---
11	---	---	---	876	864	870	847	829	836	---	---	---
12	---	---	---	877	858	868	844	829	835	---	---	---
13	---	---	---	868	858	861	844	831	835	---	---	---
14	---	---	---	860	835	846	851	832	838	---	---	---
15	---	---	---	849	839	843	860	841	846	---	---	---
16	---	---	---	846	834	841	876	860	868	---	---	---
17	---	---	---	845	828	838	887	862	878	---	---	---
18	---	---	---	857	841	848	884	852	869	---	---	---
19	---	---	---	867	851	860	864	849	857	---	---	---
20	---	---	---	869	837	852	851	846	848	---	---	---
21	---	---	---	854	836	841	854	844	849	---	---	---
22	---	---	---	849	839	843	890	854	869	---	---	---
23	864	861	863	854	836	846	891	881	887	---	---	---
24	861	849	854	872	837	856	890	877	883	---	---	---
25	850	844	847	848	837	841	896	877	886	---	---	---
26	855	850	853	853	837	843	886	865	874	---	---	---
27	868	855	859	853	825	839	865	855	858	---	---	---
28	865	860	863	845	827	837	856	847	850	---	---	---
29	866	858	862	868	845	854	859	846	849	---	---	---
30	859	849	854	864	835	852	867	859	864	---	---	---
31	856	845	849	---	---	---	864	858	861	---	---	---
MONTH	---	---	---	897	825	852	896	829	854	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	870	854	861	---	---	920	---	---	1030	---	---	---
2	864	844	853	---	---	926	---	---	1010	---	---	---
3	866	846	855	---	---	931	---	---	1000	---	---	---
4	858	845	853	---	---	944	---	---	1000	---	---	---
5	857	842	849	---	---	953	---	---	1000	---	---	---
6	849	839	844	---	---	941	---	---	1000	---	---	---
7	847	835	840	---	---	---	---	---	1000	---	---	---
8	847	836	840	---	---	981	---	---	1000	---	---	---
9	856	841	845	---	---	977	---	---	1010	---	---	---
10	869	856	863	---	---	989	---	---	1000	---	---	---
11	871	862	866	---	---	1000	---	---	1010	---	---	---
12	865	840	852	---	---	990	---	---	1020	---	---	---
13	854	840	846	---	---	1010	---	---	1000	---	---	---
14	859	842	851	---	---	1010	---	---	1020	---	---	---
15	864	850	855	---	---	991	---	---	1040	---	---	---
16	864	849	853	---	---	990	---	---	1020	---	---	---
17	877	850	861	---	---	991	---	---	996	---	---	---
18	894	856	876	---	---	991	---	---	1010	---	---	---
19	914	891	902	---	---	1000	---	---	1000	---	---	---
20	925	908	917	---	---	989	---	---	1010	---	---	---
21	925	897	909	---	---	1000	---	---	1010	---	---	---
22	942	914	926	---	---	1000	---	---	1000	---	---	---
23	945	918	934	---	---	1000	---	---	1010	---	---	---
24	940	927	932	---	---	---	---	---	1000	---	---	---
25	935	920	929	---	---	1020	---	---	1010	---	---	---
26	938	903	920	---	---	1000	---	---	1010	---	---	---
27	930	915	922	---	---	1010	---	---	1010	---	---	---
28	933	920	926	---	---	1020	---	---	1010	---	---	---
29	---	---	---	---	---	1040	---	---	1010	---	---	---
30	---	---	---	---	---	1030	---	---	1000	---	---	---
31	---	---	---	---	---	1030	---	---	---	---	---	---
MONTH	945	835	878	---	---	---	---	---	1010	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1991											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	939
14	---	---	---	---	---	---	---	---	---	---	---	942
15	---	---	---	---	---	---	---	---	---	---	---	945
16	---	---	---	---	---	---	---	---	---	---	---	955
17	---	---	---	---	---	---	---	---	---	---	---	937
18	---	---	---	---	---	---	---	---	---	---	---	934
19	---	---	---	---	---	---	---	---	---	---	---	941
20	---	---	---	---	---	---	---	---	---	---	---	939
21	---	---	---	---	---	---	---	---	---	---	---	939
22	---	---	---	---	---	---	---	---	---	---	---	935
23	---	---	---	---	---	---	---	---	---	---	---	943
24	---	---	---	---	---	---	---	---	---	---	---	932
25	---	---	---	---	---	---	---	---	---	---	---	939
26	---	---	---	---	---	---	---	---	---	---	---	937
27	---	---	---	---	---	---	---	---	---	---	---	932
28	---	---	---	---	---	---	---	---	---	---	---	930
29	---	---	---	---	---	---	---	---	---	---	---	937
30	---	---	---	---	---	---	---	---	---	---	---	947
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	937	---	---	933	---	---	967	---	---	---
2	---	---	940	---	---	933	---	---	969	---	---	---
3	---	---	939	---	---	938	---	---	954	---	---	---
4	---	---	935	---	---	944	---	---	944	---	---	---
5	---	---	935	---	---	939	---	---	950	---	---	---
6	---	---	939	---	---	940	---	---	961	---	---	---
7	---	---	942	---	---	942	---	---	959	---	---	---
8	---	---	933	---	---	943	---	---	951	---	---	---
9	---	---	932	---	---	941	---	---	948	---	---	---
10	---	---	933	---	---	943	---	---	950	---	---	---
11	---	---	934	---	---	947	---	---	949	---	---	---
12	---	---	935	---	---	948	---	---	951	---	---	---
13	---	---	939	---	---	949	---	---	949	---	---	---
14	---	---	936	---	---	953	---	---	936	---	---	917
15	---	---	934	---	---	958	---	---	927	---	---	916
16	---	---	936	---	---	962	---	---	---	---	---	915
17	---	---	938	---	---	967	---	---	---	---	---	919
18	---	---	937	---	---	970	---	---	---	---	---	921
19	---	---	936	---	---	957	---	---	---	---	---	926
20	---	---	939	---	---	957	---	---	---	---	---	925
21	---	---	939	---	---	967	---	---	---	---	---	912
22	---	---	939	---	---	967	---	---	---	---	---	910
23	---	---	937	---	---	969	---	---	---	---	---	909
24	---	---	933	---	---	966	---	---	---	---	---	907
25	---	---	936	---	---	970	---	---	---	---	---	909
26	---	---	938	---	---	966	---	---	---	---	---	---
27	---	---	940	---	---	965	---	---	---	---	---	---
28	---	---	940	---	---	963	---	---	---	---	---	---
29	---	---	941	---	---	965	---	---	---	---	---	---
30	---	---	945	---	---	962	---	---	---	---	---	---
31	---	---	944	---	---	---	---	---	---	---	---	---
MONTH	---	---	937	---	---	954	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	1020
2	---	---	---	---	---	---	---	---	---	---	---	1030
3	---	---	---	---	---	---	---	---	---	---	---	1040
4	---	---	---	---	---	---	---	---	---	---	---	1020
5	---	---	---	---	---	---	---	---	---	---	---	1020
6	---	---	---	---	---	---	---	---	---	---	---	1000
7	---	---	---	---	---	---	---	---	---	---	---	1000
8	---	---	---	---	---	---	---	---	---	---	---	1000
9	---	---	---	---	---	---	---	---	---	---	---	995
10	---	---	---	---	---	---	---	---	---	---	---	1010
11	---	---	---	---	---	---	---	---	---	---	---	1010
12	---	---	---	---	---	---	---	---	---	---	---	1020
13	---	---	---	---	---	---	---	---	---	---	---	1020
14	---	---	---	---	---	---	---	---	1050	---	---	992
15	---	---	---	---	---	---	---	---	---	---	---	1000
16	---	---	---	---	---	---	---	---	1050	---	---	1000
17	---	---	---	---	---	---	---	---	1050	---	---	1020
18	---	---	---	---	---	---	---	---	1050	---	---	1030
19	---	---	---	---	---	---	---	---	1050	---	---	1020
20	---	---	---	---	---	---	---	---	1040	---	---	1000
21	---	---	---	---	---	---	---	---	1040	---	---	971
22	---	---	---	---	---	---	---	---	1040	---	---	---
23	---	---	---	---	---	---	---	---	1030	---	---	---
24	---	---	---	---	---	---	---	---	1020	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	1030	---	---	---
27	---	---	---	---	---	---	---	---	1020	---	---	---
28	---	---	---	---	---	---	---	---	1010	---	---	---
29	---	---	---	---	---	---	---	---	1020	---	---	---
30	---	---	---	---	---	---	---	---	1010	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	925	---	---	945
2	---	---	---	---	---	---	---	---	929	---	---	---
3	---	---	---	---	---	---	---	---	939	---	---	949
4	---	---	---	---	---	---	---	---	930	---	---	---
5	---	---	---	---	---	---	---	---	925	---	---	---
6	---	---	---	---	---	---	---	---	928	---	---	---
7	---	---	---	---	---	---	---	---	928	---	---	926
8	---	---	---	---	---	---	---	---	931	---	---	912
9	---	---	---	---	---	---	---	---	930	---	---	909
10	---	---	---	---	---	---	---	---	930	---	---	---
11	---	---	---	---	---	---	---	---	925	---	---	918
12	---	---	---	---	---	914	---	---	921	---	---	914
13	---	---	---	---	---	912	---	---	952	---	---	914
14	---	---	---	---	---	909	---	---	933	---	---	907
15	---	---	---	---	---	925	---	---	927	---	---	904
16	---	---	---	---	---	910	---	---	933	---	---	901
17	---	---	---	---	---	910	---	---	929	---	---	906
18	---	---	---	---	---	918	---	---	914	---	---	911
19	---	---	---	---	---	912	---	---	922	---	---	901
20	---	---	---	---	---	920	---	---	922	---	---	915
21	---	---	---	---	---	910	---	---	919	---	---	920
22	---	---	---	---	---	920	---	---	923	---	---	907
23	---	---	---	---	---	920	---	---	929	---	---	---
24	---	---	---	---	---	917	---	---	1010	---	---	---
25	---	---	---	---	---	925	---	---	1010	---	---	---
26	---	---	---	---	---	937	---	---	934	---	---	903
27	---	---	---	---	---	948	---	---	922	---	---	---
28	---	---	---	---	---	939	---	---	---	---	---	---
29	---	---	---	---	---	937	---	---	928	---	---	892
30	---	---	---	---	---	---	---	---	915	---	---	904
31	---	---	---	---	---	---	---	---	910	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	885	872	877
2	---	---	---	---	---	---	---	---	---	876	867	872
3	---	---	905	---	---	---	---	---	---	877	867	872
4	---	---	904	---	---	---	---	---	---	884	876	882
5	---	---	900	---	---	---	---	---	---	896	871	886
6	---	---	900	---	---	---	---	---	---	---	---	---
7	---	---	905	---	---	---	---	---	---	---	---	---
8	---	---	902	---	---	---	---	---	---	---	---	---
9	---	---	897	---	---	---	---	---	---	---	---	---
10	---	---	905	---	---	---	---	---	---	---	---	---
11	---	---	900	---	---	---	---	---	---	---	---	---
12	---	---	898	---	---	---	884	873	876	---	---	---
13	---	---	907	---	---	---	900	884	892	---	---	---
14	---	---	893	---	---	---	905	891	901	---	---	---
15	---	---	897	---	---	---	905	887	898	---	---	---
16	---	---	893	---	---	---	887	881	884	---	---	---
17	---	---	899	---	---	---	887	883	884	---	---	---
18	---	---	903	---	---	---	885	867	879	---	---	---
19	---	---	908	---	---	---	892	883	889	---	---	---
20	---	---	903	---	---	---	899	890	895	---	---	---
21	---	---	900	---	---	---	901	892	898	---	---	---
22	---	---	895	---	---	---	897	883	889	---	---	---
23	---	---	893	---	---	---	895	887	890	893	883	889
24	---	---	887	---	---	---	887	876	883	901	887	892
25	---	---	880	---	---	---	884	879	881	907	896	901
26	---	---	---	---	---	---	883	879	881	911	895	902
27	---	---	---	---	---	---	913	878	890	913	898	904
28	---	---	---	---	---	---	883	880	881	906	895	901
29	---	---	---	---	---	---	883	872	879	899	884	892
30	---	---	---	---	---	---	883	872	879	888	875	882
31	---	---	---	---	---	---	882	878	879	884	876	880
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	886	877	882	963	954	958	1010	996	1010	---	---	---
2	881	862	872	963	948	955	1010	996	1000	---	---	---
3	893	864	880	958	947	953	1010	993	1000	---	---	---
4	895	880	888	970	950	962	1000	988	993	---	---	---
5	890	878	884	985	957	969	994	970	986	---	---	---
6	891	878	885	967	957	961	1020	970	996	---	---	---
7	910	891	903	974	962	969	1020	984	993	---	---	---
8	920	910	916	990	970	981	---	---	---	---	---	---
9	918	899	909	998	973	984	---	---	---	---	---	---
10	919	895	906	989	970	977	---	---	---	---	---	---
11	917	892	903	989	971	979	---	---	---	---	---	---
12	898	885	891	997	972	983	---	---	---	---	---	---
13	897	888	891	994	976	984	---	---	---	---	---	---
14	902	889	897	1020	974	995	---	---	---	---	---	---
15	917	902	912	987	973	979	---	---	---	---	---	---
16	932	915	924	998	975	984	---	---	---	---	---	---
17	934	918	925	990	975	981	---	---	---	---	---	---
18	950	934	943	992	967	978	---	---	---	---	---	---
19	949	912	930	1000	976	986	---	---	---	---	---	---
20	929	889	911	1000	981	992	---	---	---	---	---	---
21	1010	921	961	1010	980	993	---	---	---	---	---	---
22	1010	1000	1010	1000	979	994	---	---	---	---	---	---
23	1020	984	998	999	987	993	---	---	---	---	---	---
24	996	963	978	1010	986	996	---	---	---	---	---	---
25	983	961	970	1000	986	992	---	---	---	---	---	---
26	981	954	972	998	983	989	---	---	---	---	---	---
27	981	959	971	990	981	985	---	---	---	---	---	---
28	979	956	967	999	982	992	---	---	---	---	---	---
29	---	---	---	996	988	993	---	---	---	---	---	---
30	---	---	---	1010	988	997	---	---	---	---	---	---
31	---	---	---	1010	985	990	---	---	---	---	---	---
MONTH	1020	862	924	1020	947	981	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

	pH, water, whole, field, standard units, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	8.2	8.0	8.1	---	---	---	---	---	---
10	---	---	---	8.3	8.2	8.2	---	---	---	---	---	---
11	---	---	---	8.3	8.2	8.2	---	---	---	---	---	---
12	---	---	---	8.3	8.2	8.2	---	---	---	---	---	---
13	---	---	---	8.2	8.1	8.2	---	---	---	---	---	---
14	---	---	---	8.2	8.1	8.2	---	---	---	---	---	---
15	---	---	---	8.2	8.0	8.2	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
13	---	---	---	---	---	---	8.3	8.2	8.3	---	---	---
14	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
15	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
16	---	---	---	---	---	---	8.4	8.2	8.3	---	---	---
17	---	---	---	---	---	---	8.3	8.2	8.3	---	---	---
18	---	---	---	---	---	---	8.3	8.1	8.2	---	---	---
19	---	---	---	---	---	---	8.2	8.0	8.1	---	---	---
20	---	---	---	---	---	---	8.2	8.0	8.1	---	---	---
21	---	---	---	---	---	---	8.2	8.1	8.2	---	---	---
22	---	---	---	---	---	---	8.3	8.1	8.2	---	---	---
23	---	---	---	---	---	---	8.3	8.2	8.3	---	---	---
24	---	---	---	---	---	---	8.3	8.2	8.3	8.4	8.3	8.3
25	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.3	8.3
26	---	---	---	---	---	---	8.3	8.2	8.2	8.3	8.3	8.3
27	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
28	---	---	---	---	---	---	8.2	8.2	8.2	8.3	8.2	8.3
29	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
30	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
31	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.3	8.3	8.3	---	---	---	8.3	8.2	8.2	---	---	---
2	8.3	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	---	---	---
3	8.3	8.2	8.2	8.3	8.2	8.3	8.2	8.1	8.2	---	---	---
4	8.2	8.1	8.2	8.4	8.2	8.3	8.2	8.1	8.2	---	---	---
5	8.2	8.0	8.1	8.4	8.3	8.3	8.2	8.1	8.2	---	---	---
6	---	---	---	8.4	8.2	8.3	8.2	8.1	8.1	---	---	---
7	---	---	---	8.3	8.3	8.3	8.1	8.0	8.1	---	---	---
8	---	---	---	8.4	8.2	8.3	---	---	---	---	---	---
9	---	---	---	8.5	8.4	8.4	---	---	---	---	---	---
10	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
11	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
12	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
13	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
14	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
15	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
16	---	---	---	8.4	8.3	8.3	---	---	---	---	---	---
17	---	---	---	8.4	8.2	8.3	---	---	---	---	---	---
18	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
19	---	---	---	8.4	8.2	8.3	---	---	---	---	---	---
20	---	---	---	8.3	8.3	8.3	---	---	---	---	---	---
21	---	---	---	8.3	8.2	8.3	---	---	---	---	---	---
22	---	---	---	8.3	8.1	8.3	---	---	---	---	---	---
23	---	---	---	8.4	8.3	8.3	---	---	---	---	---	---
24	---	---	---	8.3	8.3	8.3	---	---	---	---	---	---
25	---	---	---	8.4	8.3	8.3	---	---	---	---	---	---
26	---	---	---	8.4	8.3	8.3	---	---	---	---	---	---
27	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
28	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
29	---	---	---	8.3	8.3	8.3	---	---	---	---	---	---
30	---	---	---	8.3	8.2	8.3	---	---	---	---	---	---
31	---	---	---	8.2	8.2	8.2	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1991											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	11.6	11.2	11.4	11.3	10.8	11.1
2	---	---	---	---	---	---	11.5	11.2	11.3	---	---	---
3	---	---	---	---	---	---	11.6	11.1	11.3	---	---	---
4	---	---	---	---	---	---	11.5	11.2	11.3	---	---	---
5	---	---	---	---	---	---	11.3	11.0	11.1	---	---	---
6	---	---	---	---	---	---	11.4	11.0	11.1	---	---	---
7	---	---	---	---	---	---	11.3	11.0	11.1	---	---	---
8	---	---	---	---	---	---	11.3	10.9	11.1	---	---	---
9	---	---	---	---	---	---	11.3	10.9	11.1	---	---	---
10	---	---	---	---	---	---	11.4	11.0	11.1	---	---	---
11	---	---	---	---	---	---	11.2	10.9	11.1	---	---	---
12	---	---	---	---	---	---	10.9	10.7	10.8	---	---	---
13	---	---	---	---	---	---	10.8	10.6	10.7	---	---	---
14	---	---	---	11.4	11.2	11.3	10.8	10.5	10.6	---	---	---
15	---	---	---	11.4	11.1	11.3	11.0	10.6	10.7	---	---	---
16	---	---	---	11.3	11.1	11.2	11.0	10.6	10.8	---	---	---
17	---	---	---	11.3	11.1	11.2	11.2	10.6	10.9	---	---	---
18	---	---	---	11.4	11.0	11.2	11.1	10.8	11.0	---	---	---
19	---	---	---	11.5	11.1	11.3	10.9	10.6	10.8	---	---	---
20	---	---	---	11.3	10.9	11.1	10.8	10.5	10.7	---	---	---
21	---	---	---	11.2	10.9	11.0	10.9	10.6	10.7	---	---	---
22	---	---	---	11.3	11.1	11.2	11.1	10.8	10.9	---	---	---
23	---	---	---	11.4	11.1	11.3	11.4	11.0	11.2	---	---	---
24	---	---	---	11.6	11.2	11.4	11.5	11.2	11.3	---	---	---
25	---	---	---	11.5	11.2	11.3	11.4	11.1	11.2	---	---	---
26	---	---	---	11.2	11.0	11.1	11.2	11.0	11.1	---	---	---
27	---	---	---	11.3	11.0	11.1	11.1	10.8	10.9	---	---	---
28	---	---	---	11.5	11.1	11.3	11.0	10.7	10.9	---	---	---
29	---	---	---	11.7	11.3	11.5	10.9	10.6	10.7	---	---	---
30	---	---	---	11.6	11.3	11.4	11.1	10.7	10.9	---	---	---
31	---	---	---	---	---	---	11.3	10.8	11.1	---	---	---
MONTH	---	---	---	---	---	---	11.6	10.5	11.0	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	10.3	10.2	10.3	10.9	10.4	10.6	10.6	10.2	10.4
2	---	---	---	10.6	10.1	10.4	10.4	10.3	10.4	10.6	10.1	10.4
3	---	---	---	10.6	10.3	10.4	10.6	10.3	10.4	10.6	10.2	10.4
4	---	---	---	10.3	10.2	10.3	10.7	10.3	10.4	10.8	10.3	10.5
5	---	---	---	10.3	10.2	10.3	10.7	10.3	10.5	10.8	10.3	10.6
6	---	---	---	10.5	10.2	10.3	10.6	10.2	10.4	10.8	10.2	10.5
7	---	---	---	---	---	---	10.5	10.2	10.3	10.2	10.0	10.1
8	---	---	---	10.6	10.4	10.5	10.7	10.1	10.4	10.3	9.9	10.1
9	---	---	---	10.7	10.5	10.6	10.6	10.3	10.4	10.2	9.8	10.0
10	---	---	---	10.6	10.4	10.5	10.5	10.2	10.3	10.2	9.8	10.1
11	---	---	---	10.5	10.3	10.4	10.5	10.2	10.4	10.4	10.1	10.3
12	---	---	---	10.6	10.4	10.5	10.6	10.3	10.5	10.6	10.3	10.4
13	---	---	---	10.7	10.4	10.5	10.8	10.4	10.6	10.8	9.9	10.3
14	---	---	---	10.7	10.4	10.5	10.9	10.4	10.6	10.1	9.9	10.0
15	---	---	---	10.5	10.4	10.5	10.7	10.3	10.5	10.2	9.9	10.1
16	---	---	---	10.8	10.4	10.6	10.6	10.2	10.4	10.2	9.8	10.0
17	---	---	---	10.9	10.5	10.7	10.6	10.2	10.4	10.2	9.8	10.0
18	11.1	10.4	10.6	10.8	10.5	10.6	10.6	10.2	10.4	10.0	9.6	9.8
19	10.7	10.4	10.6	10.6	10.4	10.5	10.7	10.2	10.5	10.1	9.5	9.8
20	10.7	10.4	10.5	10.8	10.4	10.5	10.7	10.2	10.4	9.9	9.3	9.6
21	10.6	10.3	10.5	10.7	10.3	10.5	10.5	10.0	10.3	10.0	9.6	9.8
22	10.6	10.3	10.5	10.7	10.3	10.5	10.5	10.0	10.2	10.1	9.8	9.9
23	10.6	10.4	10.5	11.0	10.6	10.7	10.4	10.0	10.2	10.3	9.9	10.1
24	10.7	10.4	10.5	10.9	10.5	10.7	10.6	10.0	10.4	10.3	10.0	10.1
25	10.8	10.4	10.6	10.8	10.4	10.6	10.5	10.2	10.3	10.2	9.9	10.1
26	10.8	10.5	10.6	10.5	10.4	10.5	10.6	10.2	10.4	10.1	9.8	10.0
27	10.8	10.5	10.6	10.8	10.4	10.6	10.6	10.2	10.4	10.1	9.8	9.9
28	10.6	10.3	10.4	10.7	10.4	10.5	10.8	10.3	10.6	10.2	9.8	10.0
29	---	---	---	10.6	10.3	10.4	10.7	10.2	10.4	10.3	9.9	10.1
30	---	---	---	10.6	10.3	10.5	10.7	10.2	10.4	10.2	9.8	10.0
31	---	---	---	11.0	10.3	10.7	---	---	---	10.1	9.8	9.9
MONTH	---	---	---	---	---	---	10.9	10.0	10.4	10.8	9.3	10.1

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1991											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.0	9.6	9.8	9.9	9.5	9.7	---	---	---	---	---	---
2	10.1	9.7	9.8	10.0	9.6	9.9	---	---	---	---	---	---
3	10.0	9.5	9.8	10.1	9.8	10.0	---	---	---	---	---	---
4	10.0	9.6	9.8	10.1	9.7	10.0	---	---	---	---	---	---
5	10.2	9.7	9.9	---	---	---	---	---	---	---	---	---
6	10.0	9.7	9.9	---	---	---	---	---	---	---	---	---
7	10.1	9.7	9.9	---	---	---	---	---	---	---	---	---
8	10.0	9.7	9.9	---	---	---	---	---	---	---	---	---
9	10.2	9.7	9.9	---	---	---	---	---	---	---	---	---
10	10.2	9.8	10.0	---	---	---	---	---	---	---	---	---
11	10.0	9.8	9.9	---	---	---	---	---	---	---	---	---
12	10.1	9.8	10.0	---	---	---	---	---	---	---	---	---
13	10.1	9.7	9.9	---	---	---	---	---	---	---	---	---
14	10.0	9.6	9.8	---	---	---	---	---	---	---	---	---
15	10.0	9.6	9.8	---	---	---	---	---	---	---	---	---
16	10.3	9.7	10.0	---	---	---	---	---	---	---	---	---
17	10.2	9.8	10.0	---	---	---	---	---	---	---	---	---
18	10.1	9.7	9.9	---	---	---	---	---	---	---	---	---
19	10.1	9.7	9.9	---	---	---	---	---	---	---	---	---
20	10.0	9.7	9.9	---	---	---	---	---	---	---	---	---
21	10.1	9.8	9.9	---	---	---	---	---	---	---	---	---
22	10.1	9.8	10.0	---	---	---	---	---	---	---	---	---
23	10.2	9.7	10.0	---	---	---	---	---	---	---	---	---
24	10.2	9.7	9.9	---	---	---	---	---	---	---	---	---
25	10.1	9.8	10.0	---	---	---	---	---	---	---	---	---
26	10.0	9.8	9.9	---	---	---	---	---	---	---	---	---
27	10.1	9.8	10.0	---	---	---	---	---	---	---	---	---
28	10.2	9.9	10.1	---	---	---	---	---	---	---	---	---
29	10.1	9.8	9.9	---	---	---	---	---	---	---	---	---
30	10.1	9.8	9.9	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	10.3	9.5	9.9	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	10.5	10.3	10.4	---	---	---	---	---	---
11	---	---	---	10.5	10.3	10.4	---	---	---	---	---	---
12	---	---	---	10.5	10.3	10.4	---	---	---	---	---	---
13	---	---	---	10.5	10.3	10.4	---	---	---	---	---	---
14	---	---	---	10.3	10.1	10.2	---	---	---	---	---	---
15	---	---	---	10.1	9.8	10.0	---	---	---	10.8	10.4	10.6
16	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
17	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
18	---	---	---	---	---	---	---	---	---	10.8	10.4	10.6
19	---	---	---	---	---	---	---	---	---	10.9	10.5	10.7
20	---	---	---	---	---	---	---	---	---	10.9	10.5	10.7
21	---	---	---	---	---	---	---	---	---	10.7	10.5	10.6
22	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
23	---	---	---	---	---	---	---	---	---	10.9	10.5	10.6
24	---	---	---	---	---	---	---	---	---	10.7	10.5	10.6
25	---	---	---	---	---	---	---	---	---	10.8	10.4	10.6
26	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
27	---	---	---	---	---	---	---	---	---	10.8	10.4	10.6
28	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
29	---	---	---	---	---	---	---	---	---	10.9	10.5	10.6
30	---	---	---	---	---	---	---	---	---	10.9	10.5	10.7
31	---	---	---	---	---	---	---	---	---	10.9	10.6	10.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.9	10.5	10.7	10.3	9.5	10.0	11.1	11.0	11.1	11.0	10.6	10.7
2	10.8	10.5	10.6	10.5	9.5	10.3	11.1	10.9	11.1	11.2	10.5	10.7
3	10.8	10.4	10.6	10.4	9.9	10.2	11.1	10.9	11.0	11.0	10.6	10.7
4	10.8	10.5	10.6	10.4	9.8	10.2	11.0	10.8	10.9	10.8	10.4	10.6
5	10.9	10.4	10.6	10.3	9.7	10.2	11.0	10.8	10.9	10.6	10.4	10.5
6	10.7	10.4	10.5	10.3	9.7	10.2	11.1	10.8	10.9	10.8	10.4	10.5
7	10.5	10.4	10.5	10.4	9.7	10.2	11.1	10.9	11.0	10.7	10.4	10.6
8	10.7	10.4	10.5	10.3	9.8	10.2	11.1	10.9	11.0	11.0	10.5	10.7
9	10.6	10.4	10.5	10.6	9.9	10.4	11.2	11.0	11.1	10.5	10.3	10.4
10	10.5	10.3	10.4	10.8	10.3	10.6	11.1	11.0	11.1	10.6	10.2	10.5
11	10.6	10.4	10.5	10.9	10.4	10.7	11.2	10.9	11.0	10.7	10.3	10.5
12	10.6	10.2	10.4	10.9	10.6	10.7	11.3	10.5	11.0	10.7	10.3	10.5
13	10.2	10.1	10.2	10.9	10.5	10.7	11.2	10.9	11.1	10.7	10.3	10.5
14	10.3	10.1	10.2	10.9	10.3	10.7	11.1	10.9	11.0	10.7	10.3	10.5
15	10.3	10.2	10.3	10.8	10.1	10.6	11.1	10.9	11.0	10.7	10.1	10.3
16	10.3	10.2	10.3	11.0	10.1	10.7	11.0	10.8	10.9	10.5	10.1	10.3
17	10.4	10.3	10.3	10.9	10.4	10.7	11.1	10.8	10.9	10.6	10.1	10.4
18	10.6	10.4	10.5	10.8	10.4	10.7	11.0	10.7	10.8	10.7	10.1	10.4
19	10.6	10.4	10.5	11.0	10.5	10.8	11.0	10.8	10.9	10.4	10.1	10.3
20	10.6	10.4	10.5	11.2	10.6	11.0	11.2	10.9	11.0	11.5	10.1	10.4
21	10.7	10.4	10.5	11.3	10.9	11.1	11.2	10.9	11.0	10.6	10.1	10.3
22	10.7	10.0	10.4	11.5	11.1	11.3	11.0	10.7	10.9	10.6	10.1	10.3
23	10.3	9.7	10.1	11.5	11.1	11.3	11.0	10.8	10.9	10.2	9.7	10.0
24	10.4	9.9	10.2	11.6	11.2	11.4	11.1	10.8	10.9	---	---	---
25	10.2	9.9	10.1	11.6	11.2	11.4	11.1	10.8	10.9	---	---	---
26	10.4	10.0	10.2	11.3	11.1	11.2	11.1	10.8	10.9	---	---	---
27	10.3	9.9	10.2	11.2	11.1	11.2	11.1	10.8	10.9	---	---	---
28	10.5	9.8	10.2	11.5	11.1	11.3	11.3	10.6	10.8	---	---	---
29	10.5	9.8	10.3	11.6	11.1	11.3	11.3	10.5	10.8	---	---	---
30	---	---	---	11.2	11.1	11.1	11.3	10.6	10.8	---	---	---
31	---	---	---	11.1	11.0	11.0	---	---	---	---	---	---
MONTH	10.9	9.7	10.4	11.6	9.5	10.8	11.3	10.5	10.9	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	10.8	10.4	10.6	10.3	9.8	10.0
2	---	---	---	---	---	---	10.7	10.3	10.6	---	---	---
3	---	---	---	---	---	---	10.9	10.3	10.6	10.2	10.0	10.1
4	---	---	---	---	---	---	10.7	10.3	10.5	---	---	---
5	---	---	---	---	---	---	10.5	10.3	10.4	---	---	---
6	---	---	---	---	---	---	10.7	10.4	10.6	---	---	---
7	---	---	---	---	---	---	10.7	10.3	10.5	10.3	10.0	10.2
8	---	---	---	---	---	---	10.7	10.2	10.4	10.3	10.1	10.2
9	---	---	---	---	---	---	10.5	10.2	10.4	10.3	10.0	10.1
10	---	---	---	---	---	---	10.4	10.2	10.3	10.3	10.0	10.2
11	---	---	---	10.3	9.8	10.1	10.4	10.2	10.3	10.3	10.0	10.2
12	---	---	---	10.0	9.8	9.9	10.5	10.3	10.4	10.2	9.9	10.1
13	---	---	---	10.1	9.8	9.9	10.5	9.9	10.2	10.3	9.9	10.1
14	---	---	---	10.2	9.9	10.0	10.3	10.0	10.2	10.2	9.8	10.0
15	---	---	---	10.3	10.0	10.2	10.4	10.2	10.3	10.2	9.9	10.1
16	---	---	---	10.3	10.0	10.2	10.4	10.2	10.3	10.2	9.9	10.1
17	---	---	---	10.3	10.0	10.2	10.6	10.2	10.3	10.0	9.8	9.9
18	---	---	---	10.4	10.1	10.3	10.4	10.2	10.3	10.0	9.8	9.9
19	---	---	---	10.7	10.2	10.4	10.4	10.2	10.3	10.0	9.7	9.9
20	---	---	---	10.6	10.2	10.4	10.4	10.2	10.2	10.0	9.7	9.9
21	---	---	---	10.5	10.2	10.4	10.4	9.9	10.2	9.9	9.7	9.8
22	---	---	---	10.5	10.2	10.3	10.3	10.1	10.2	10.0	9.9	9.9
23	---	---	---	10.6	10.3	10.4	10.4	10.1	10.2	10.0	9.8	9.9
24	---	---	---	10.5	10.3	10.4	10.3	9.8	10.1	10.0	9.7	9.8
25	---	---	---	10.7	10.3	10.4	10.1	9.7	9.9	9.9	9.6	9.8
26	---	---	---	10.7	10.3	10.5	10.3	9.9	10.2	10.1	9.6	9.9
27	---	---	---	11.0	10.3	10.6	10.4	10.2	10.3	10.3	9.8	10.1
28	---	---	---	---	---	---	---	---	---	10.3	9.9	10.1
29	---	---	---	10.9	10.4	10.6	10.4	10.1	10.2	10.1	9.8	10.0
30	---	---	---	---	---	---	10.2	10.0	10.1	10.2	9.8	10.0
31	---	---	---	---	---	---	10.3	10.0	10.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.2	9.8	10.0	9.8	9.7	9.8	10.5	10.2	10.3	---	---	---
2	10.1	9.7	9.9	9.8	9.6	9.7	10.3	10.1	10.2	---	---	---
3	10.0	9.7	9.8	9.8	9.8	9.8	10.2	10.1	10.1	---	---	---
4	10.0	9.6	9.8	10.0	9.8	9.9	10.1	10.1	10.1	---	---	---
5	10.0	9.6	9.8	10.0	9.9	9.9	10.2	10.0	10.1	---	---	---
6	10.0	9.7	9.8	10.0	9.9	9.9	10.3	10.0	10.1	---	---	---
7	10.1	9.7	9.9	9.9	9.8	9.9	10.2	10.0	10.1	---	---	---
8	10.2	9.8	10.0	9.9	9.6	9.8	10.4	10.1	10.2	---	---	---
9	---	---	---	9.8	9.6	9.7	10.4	10.1	10.2	---	---	---
10	---	---	---	9.8	9.6	9.7	10.4	10.2	10.3	---	---	---
11	10.2	9.8	10.0	10.0	9.6	9.9	10.3	9.6	10.1	---	---	---
12	10.1	9.8	9.9	10.2	9.9	10.1	---	---	---	---	---	---
13	10.2	9.8	10.0	10.2	10.1	10.1	---	---	---	---	---	---
14	10.0	9.8	9.9	10.2	9.9	10.1	---	---	---	---	---	---
15	10.0	9.7	9.9	10.2	9.9	10.0	---	---	---	---	---	---
16	10.2	9.7	10.0	10.1	9.9	10.0	---	---	---	---	---	---
17	10.2	9.9	10.0	10.0	9.8	9.9	---	---	---	---	---	---
18	10.2	9.9	10.0	10.0	9.8	9.9	---	---	---	---	---	---
19	10.3	10.0	10.1	10.0	9.8	9.9	---	---	---	---	---	---
20	10.2	10.0	10.1	10.0	9.8	9.9	---	---	---	---	---	---
21	10.3	9.9	10.1	10.2	9.8	10.0	---	---	---	---	---	---
22	10.3	10.0	10.1	10.4	10.0	10.2	---	---	---	---	---	---
23	10.3	10.0	10.2	10.3	10.1	10.2	---	---	---	10.7	10.6	10.6
24	10.3	10.1	10.2	10.3	10.0	10.2	---	---	---	10.8	10.6	10.8
25	10.4	9.9	10.2	10.5	10.2	10.3	---	---	---	10.8	10.7	10.8
26	9.9	9.6	9.7	10.6	10.3	10.5	---	---	---	10.8	10.6	10.7
27	9.7	9.1	9.4	10.7	10.4	10.5	---	---	---	10.7	10.6	10.6
28	9.7	9.6	9.6	10.4	10.1	10.3	---	---	---	10.7	10.5	10.6
29	9.7	9.7	9.7	10.3	10.1	10.2	---	---	---	10.6	10.5	10.5
30	9.7	9.6	9.7	10.4	10.1	10.2	---	---	---	10.5	10.4	10.5
31	9.7	9.6	9.7	---	---	---	---	---	---	10.5	10.4	10.5
MONTH	---	---	---	10.7	9.6	10.0	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.5	10.4	10.4	10.4	10.2	10.2	9.9	9.7	9.8	---	---	---
2	10.5	10.3	10.4	10.4	10.2	10.3	9.8	9.7	9.7	---	---	---
3	10.6	10.3	10.4	10.5	10.1	10.3	9.8	9.7	9.7	---	---	---
4	10.6	10.4	10.5	10.5	10.2	10.3	9.9	9.7	9.8	---	---	---
5	10.5	10.4	10.4	10.5	10.3	10.5	9.8	9.7	9.7	---	---	---
6	10.5	10.4	10.4	10.5	10.3	10.4	9.9	9.7	9.8	---	---	---
7	10.6	10.4	10.5	10.5	10.4	10.5	10.0	9.8	9.9	---	---	---
8	10.4	10.3	10.3	10.5	10.4	10.4	---	---	---	---	---	---
9	10.3	10.2	10.3	10.4	10.3	10.4	---	---	---	---	---	---
10	10.4	10.2	10.3	10.4	10.2	10.3	---	---	---	---	---	---
11	10.4	10.3	10.3	10.3	10.2	10.2	---	---	---	---	---	---
12	10.3	10.2	10.3	10.4	10.2	10.3	---	---	---	---	---	---
13	10.3	10.2	10.3	10.4	10.3	10.4	---	---	---	---	---	---
14	10.4	10.2	10.3	10.5	10.3	10.4	---	---	---	---	---	---
15	10.3	10.2	10.3	10.4	10.2	10.3	---	---	---	---	---	---
16	10.3	10.2	10.2	10.4	10.2	10.3	---	---	---	---	---	---
17	10.4	10.2	10.3	10.4	10.2	10.3	---	---	---	---	---	---
18	10.4	10.2	10.3	10.3	10.2	10.2	---	---	---	---	---	---
19	10.3	10.2	10.2	10.4	10.2	10.3	---	---	---	---	---	---
20	10.2	10.1	10.1	10.4	10.2	10.3	---	---	---	---	---	---
21	10.2	10.1	10.2	10.4	10.2	10.3	---	---	---	---	---	---
22	10.4	10.2	10.3	10.4	9.9	10.2	---	---	---	---	---	---
23	10.5	10.1	10.3	9.9	9.7	9.8	---	---	---	---	---	---
24	10.3	10.1	10.2	9.8	9.7	9.7	---	---	---	---	---	---
25	10.2	10.1	10.2	9.7	9.6	9.7	---	---	---	---	---	---
26	10.4	10.2	10.3	9.7	9.6	9.6	---	---	---	---	---	---
27	10.4	10.1	10.3	9.7	9.6	9.6	---	---	---	---	---	---
28	10.4	10.2	10.2	9.7	9.6	9.7	---	---	---	---	---	---
29	---	---	---	9.8	9.7	9.7	---	---	---	---	---	---
30	---	---	---	9.8	9.7	9.8	---	---	---	---	---	---
31	---	---	---	9.8	9.7	9.7	---	---	---	---	---	---
MONTH	10.6	10.1	10.3	10.5	9.6	10.1	---	---	---	---	---	---

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN									
20...	1015	E17200	--	800	8.3	3.5	8.0	E120	700
MAY									
05...	0930	12800	29.28	910	7.9	--	10.5	--	700
JUL									
05...	0815	19700	31.42	860	8.0	20.5	10.0	E12.0	694
28...	1530	5710	26.08	915	--	36.0	12.0	--	698
29...	1530	5710	26.08	970	--	--	12.0	--	702

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN									
20...	10.8	99	--	--	166	136	64	--	21
MAY									
05...	10.5	102	--	--	176	144	17	581	66
JUL									
05...	10.4	100	K10	K12	184	151	--	--	--
28...	10.2	104	--	--	--	--	--	--	--
29...	10.3	10	--	--	186	152	--	--	--

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT											
22...	1400	8280	27.48	930	8.0	11.0	9.0	--	--	706	10.3
JAN											
31...	1510	10500	28.40	850	8.2	6.5	5.5	--	--	715	11.0
MAR											
27...	1215	15800	30.26	1040	8.3	--	8.0	3.7	96.0	701	10.9
JUL											
05...	0755	20200	31.56	940	8.1	30.5	10.0	4.5	69.6	710	10.8
SEP											
13...	1700	E13700	--	960	8.1	21.0	11.0	--	--	700	10.1
14...	1605	E11800	--	960	8.2	--	10.0	6.2	23.8	700	10.5

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT										
22...	96	--	--	--	--	--	--	--	--	--
JAN										
31...	98	--	--	--	--	--	--	--	--	--
MAR										
27...	100	182	149	--	--	--	--	--	--	--
JUL										
05...	103	172	141	626	34100	16	38	70	96	100
SEP										
13...	100	--	--	--	--	--	--	--	--	--
14...	101	183	150	85	--	63	78	89	100	--

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV										
09...	1215	E9210	--	950	8.0	20.0	10.5	2.1	96.0	705
JAN										
13...	1550	11600	28.85	916	8.5	--	8.5	2.0	--	712
MAR										
21...	1215	12100	29.19	964	8.2	17.0	9.0	3.7	24.0	702
MAY										
22...	1830	8210	27.65	970	8.1	--	10.5	12	--	--
JUL										
25...	0836	16900	30.75	940	8.1	25.0	10.0	--	--	697
26...	0900	15300	30.24	--	--	--	10.0	--	--	--

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS FIX END FIELD CAC03 (MG/L) (39036)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV										
09...	10.7	104	172	140	--	--	--	--	--	--
JAN										
13...	11.1	102	151	130	--	--	--	--	--	--
MAR										
21...	11.1	104	194	160	--	--	--	--	--	--
MAY										
22...	--	--	174	150	--	--	--	--	--	--
JUL										
25...	10.7	104	168	140	--	--	--	--	--	--
26...	--	--	--	--	152	6280	80	90	93	100

Table 5. 09383100, Colorado River above Little Colorado River near Desert View, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
OCT									
10...	1615	8830	27.72	900	8.2	21.0	10.5	2.1	--
JAN									
22...	1100	22100	32.17	880	8.2	8.5	8.0	--	6.50
APR									
08...	1013	12400	29.30	980	7.9	--	9.0	--	9.40

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS FIX END FIELD CAC03 (MG/L) (39036)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)
OCT									
10...	695	10.2	101	167	140	19	453	--	--
JAN									
22...	694	11.0	102	157	130	535	31900	20	25
APR									
08...	698	10.0	94	--	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT								
10...	--	--	--	79	99	99	100	--
JAN								
22...	27	35	44	62	90	98	99	100
APR								
08...	--	--	--	--	--	--	--	--

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990-95

STATION DESCRIPTION

LOCATION—Lat 35°55'35", long 111°34'00", in NW1/4 sec. 5, T.29 N., R.8 E. (unsurveyed), Coconino County, Hydrologic Unit 15020016, in Navajo Indian Reservation, on left bank, 3 mi downstream from Coconino dam site, 9.5 mi downstream from Moenkopi Wash, 9.5 mi northwest of Cameron, and 45 mi upstream from mouth.

DRAINAGE AREA—26,459 mi^2, of which 368 mi^2 are noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—June 1947 to current year.

GAGE—Water-stage recorder. Datum of gage is 3,979.2 ft above sea level.

REMARKS—Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 32,000 acres. Some regulation by reservoirs above station (combined capacity of principal reservoirs, about 135,000 acre-ft).

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 24,900 ft^3/s, January 21, 1952, gage height, 20.7 ft; no flow at times in each year.

EXTREMES OUTSIDE PERIOD OF RECORD—A discharge of about 120,000 ft^3/s occurred on September 19 or 20, 1923, based on discharge at Grand Falls.

EXTREMES FOR DATA PERIOD—Peak discharges greater than base discharge of 4,000 ft^3/s or maximum for year:

Date	Time	Discharge, in cubic feet per second	Gage height, in feet
September 24, 1990	0430	4,140	8.58
January 7, 1991	2145	1,290	6.11
September 19, 1992	0730	5,620	9.88
January 12, 1993	---	18,200	17.83
February 24, 1993	---	16,400	16.86
October 6, 1993	2400	8,820	12.42

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	0.00	0.00	1.5	0.82	0.00	0.15	0.00	0.00	17	3.2
2	.00	.00	.00	.00	2.2	.72	.00	.51	.00	.00	118	2.7
3	.00	.00	.00	.00	.50	.82	.00	.08	.00	.00	9.0	2.1
4	.00	.00	.00	.00	e.20	1.1	.00	.05	.00	.00	.60	329
5	.00	.00	.00	.00	e.50	1.2	.00	.03	.00	.00	.09	303
6	19	.00	.00	.00	e.60	.82	.00	.02	.00	.00	e.00	254
7	43	.00	.00	.00	e1.0	.62	.00	.01	.00	.00	e.00	e200
8	13	.00	.00	.00	e1.0	.46	.00	.00	.00	387	e.00	e100
9	2.4	.00	.00	.00	e.60	e.20	.00	.00	.00	187	e.00	e60
10	.54	.00	.00	.00	e.70	e.10	.00	.00	.00	e345	e.00	e50
11	.10	.00	.00	.00	e.80	e.10	.00	.00	.00	e175	.00	e30
12	.00	.00	.00	.00	e1.0	e.10	5.6	.00	.00	e100	.00	e25
13	.00	.00	.00	.32	e.90	e.10	16	.00	.00	e60	.00	20
14	.00	.00	.00	.62	e.80	e.10	12	.00	.00	e40	.00	16
15	.00	.00	.00	.82	e.10	e.00	5.5	.00	.00	238	610	14
16	.00	.00	.00	1.2	e.10	e.00	2.5	.00	.00	149	355	34
17	.00	.00	.00	1.1	e.10	e.00	.55	.00	.00	512	1060	87
18	.00	.00	.00	.93	e.10	e.00	.10	.00	.00	392	924	830
19	.00	.00	.00	.93	e1.0	e.00	.07	.00	.00	e150	628	e1660
20	.00	.00	.00	1.2	9.6	e.00	.05	.00	.00	e150	319	e921
21	.00	.00	.00	1.1	72	e.00	.03	.00	.00	e80	158	e1110
22	.00	.00	.00	1.3	90	e.00	.02	.00	.00	e50	71	710
23	.00	.00	.00	.10	44	e.00	.00	.00	.00	e600	36	1130
24	.00	.00	.00	.22	20	e.00	3.8	.00	.00	202	17	1210
25	.00	.00	.00	e.10	6.0	e.00	14	.00	.00	23	7.4	79
26	.00	.00	.00	e.10	2.0	e.00	4.7	.00	.00	9.1	21	138
27	.00	.00	.00	e.10	1.3	e.00	2.1	.00	.00	3.3	21	101
28	.00	.00	.00	e.10	.93	.00	.77	.00	.00	1.1	10	63
29	.00	.00	.00	e.10	---	.00	.21	.00	.00	.21	6.5	38
30	.00	.00	.00	e.10	---	.00	.10	.00	.00	.08	5.1	22
31	.00	---	.00	e.30	---	.00	---	.00	---	.06	4.0	---
TOTAL	78.04	0.00	0.00	10.74	259.53	7.26	68.10	0.85	0.00	3853.85	4397.69	9542.0
MEAN	2.52	.000	.000	.35	9.27	.23	2.27	.027	.000	124	142	318
MAX	43	.00	.00	1.3	90	1.2	16	.51	.00	600	1060	1660
MIN	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	2.1
AC-FT	155	.00	.00	21	515	14	135	1.7	.00	7640	8720	18930

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1989	18420.44	50.5	3040	0.00	36540
WY 1990	18218.06	49.9	1660	.00	36140

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	3.3	0.31	e197	e1.0	e67	e256	266	4.5	0.00	0.00	2.5
2	53	2.2	.28	e241	e.90	99	578	218	1.1	.00	e12	423
3	152	1.3	.26	e358	e.80	301	681	161	.00	.00	8.3	286
4	89	.76	.22	417	e.70	1640	747	142	.00	.00	e4.1	e92
5	26	365	.08	414	e10	1500	1020	133	.00	.00	e2.2	e23
6	13	150	.03	336	e2.0	962	1300	138	.00	.00	13	285
7	4.5	73	.00	1080	e1.7	1070	1530	128	.00	.00	32	207
8	1.4	53	.00	2110	e1.4	1490	1660	110	.00	.00	e34	e250
9	.52	37	.00	965	e1.4	1520	1730	92	.00	.00	e17	e360
10	.31	23	.00	419	e1.4	1030	1810	72	.00	.00	e12	e246
11	.29	17	.00	172	e1.3	637	2040	55	.00	.00	e9.2	e150
12	.26	12	.00	92	e1.3	439	2140	44	.00	.00	e8.0	e100
13	.23	9.0	.00	54	e1.1	361	2000	36	.00	.00	e18	e50
14	.14	6.9	.00	55	e.90	328	1590	30	.00	.00	e13	e25
15	.03	5.0	.00	48	.92	289	1070	23	.00	.00	e10	e15
16	.00	3.6	.74	48	.96	245	805	16	.00	.00	e8.5	e10
17	.00	2.4	.78	38	257	229	625	13	.00	.00	e4.6	e2.0
18	.00	1.5	699	34	239	e230	769	10	.00	.00	e2.6	e1.0
19	.00	1.1	318	32	174	e210	1010	e5.0	.00	.00	e1.5	e.50
20	.00	.90	141	e27	225	e190	1010	e.50	.00	.00	e.50	e.00
21	.00	.77	e98	e22	225	e150	912	e.00	.00	.00	e.10	e.00
22	.00	.77	e67	e16	148	e100	848	e.00	.00	.00	e.00	e.00
23	178	.86	e44	e13	109	e140	811	e.00	.00	.00	e.00	e.00
24	167	.86	e32	e11	e96	e190	805	e.00	.00	.00	e.00	e.00
25	65	.84	e25	e7.9	e84	e200	700	e.00	.00	.27	e.00	e.00
26	39	.63	e20	e4.0	e73	e180	591	e.00	.00	e.97	e.00	e.00
27	25	.74	e15	e3.0	e58	e160	488	e.00	.00	e.32	81	e.00
28	17	.68	e12	e2.0	e45	e140	469	e.00	.00	e.14	255	e.00
29	11	.59	e10	e1.6	---	409	441	e.00	.00	.00	e36	e.00
30	7.0	.46	e6.4	e1.3	---	321	341	e.00	.00	.00	e7.6	e.00
31	4.7	---	e3.6	e1.2	---	e257	---	e.00	---	.00	4.0	---
TOTAL	868.38	775.16	1493.70	7220.0	1760.78	15084	30777	1692.50	5.60	1.70	594.20	2528.00
MEAN	28.0	25.8	48.2	233	62.9	487	1026	54.6	.19	.055	19.2	84.3
MAX	178	365	699	2110	257	1640	2140	266	4.5	.97	255	423
MIN	.00	.46	.00	1.2	.70	67	256	.00	.00	.00	.00	.00
AC-FT	1720	1540	2960	14320	3490	29920	61050	3360	11	3.4	1180	5010

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	21277.26	58.3	1660	0.00	42200
WY 1991	62801.02	172	2140	.00	124600

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e0.00	0.00	e4.3	e22	e120	216	1400	71	1000	e0.00	36	e544
2	.00	.00	e3.3	e14	107	217	1370	69	376	e.00	e18	381
3	.00	.00	e2.8	e10	183	329	1470	66	242	e.00	e9.1	184
4	.00	.00	e2.4	e121	259	480	1530	65	e133	e.00	2.8	86
5	.00	.00	e1.8	e69	233	707	1470	76	e55	e.00	.95	48
6	.00	.00	e1.3	e64	223	1180	1350	84	43	e.00	16	37
7	.00	.00	e1.0	e65	211	1190	1220	30	31	e.00	176	27
8	.00	.00	e.81	e54	210	918	1220	23	21	e47	635	20
9	.00	.00	e.69	e257	197	1010	1280	4.7	12	432	388	15
10	.00	.00	e.56	e274	205	894	1220	139	5.6	e102	253	12
11	.00	.00	e78	e169	238	840	1120	226	1.9	353	297	8.8
12	.00	.00	19	e114	220	665	1110	e138	.20	e110	342	6.8
13	.00	.00	16	e100	204	575	1120	e82	.06	e100	128	5.0
14	.00	.00	407	e80	412	491	1090	e62	e.03	e94	386	321
15	.00	11	275	e60	556	544	1030	e64	e.00	e126	202	334
16	.00	53	119	e40	694	592	976	e59	e.00	e78	127	270
17	.00	11	e71	e30	1090	829	e835	e33	e.00	e64	76	4.2
18	.00	3.6	e57	e25	842	1030	e700	e20	e.00	e41	90	20
19	.00	2.2	190	e20	500	1180	e561	e14	e.00	e26	e45	1800
20	.00	2.5	135	e18	308	1170	450	e8.6	e.00	e18	e20	708
21	.00	43	367	e17	206	971	404	e55	e.00	e12	e149	e192
22	.00	32	1020	e17	159	727	329	e40	e.00	e8.6	745	e78
23	.00	e16	927	e21	127	690	253	e94	e.00	e655	272	e110
24	.00	e7.6	679	e20	99	1060	185	325	e.00	1030	1080	432
25	.00	e6.0	297	e16	99	1280	152	571	e.00	804	1880	740
26	.00	e6.0	e102	e16	281	1140	125	283	e.00	987	1780	443
27	.00	e5.6	e60	e14	359	968	109	455	e.00	655	1730	306
28	.00	e5.6	e62	e14	288	870	96	1260	e.00	930	1860	238
29	.00	e5.2	e51	e12	227	949	84	545	e.00	277	2390	180
30	.00	e4.2	e34	e12	---	1070	75	852	e.00	122	2600	128
31	.00	---	e32	e11	---	1420	---	1270	---	61	1100	---
TOTAL	0.00	214.50	5016.96	1776	8857	26202	24334	7084.3	1920.79	7132.60	18833.85	7678.8
MEAN	.000	7.15	162	57.3	305	845	811	229	64.0	230	608	256
MAX	.00	53	1020	274	1090	1420	1530	1270	1000	1030	2600	1800
MIN	.00	.00	.56	10	99	216	75	4.7	.00	.00	.95	4.2
AC-FT	.00	425	9950	3520	17570	51970	48270	14050	3810	14150	37360	15230

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	64895.24	178	2140	0.00	128700
WY 1992	109050.80	298	2600	.00	216300

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e75	e169	0.03	1670	1140	e1600	e1250	125	0.00	0.00	0.00	569
2	e50	333	.02	2850	527	e1560	1190	e100	.00	.00	.00	348
3	31	616	.01	4590	474	1430	1520	e90	.00	.00	.00	154
4	20	235	.14	4060	449	1270	1710	e80	.00	.00	.00	84
5	17	e130	.09	1990	443	1220	1610	e70	.00	.00	.00	86
6	12	e85	8.7	1340	438	1060	1290	e60	.00	.00	.00	67
7	7.5	54	1650	863	385	810	1070	e50	.00	.00	.00	40
8	4.6	40	858	4350	423	723	1050	e45	.00	.00	.00	21
9	3.3	29	474	e1550	465	627	947	e40	.00	.00	.00	12
10	2.3	24	244	e4510	369	575	770	e40	.00	.00	.00	6.8
11	1.5	e20	e120	e10800	845	776	640	e35	.00	.00	.00	3.3
12	1.0	e15	e100	e16300	2020	1380	546	e30	.00	.00	17	1.2
13	e.76	e11	e75	e16400	2430	1610	521	e30	.00	.00	4.6	.44
14	e.55	e8.0	e50	e10000	2130	e1640	580	e25	.00	.00	1.7	174
15	.31	e4.0	e25	e5000	1300	e1370	596	e21	.00	.00	.59	1050
16	.18	e2.0	e20	e3000	853	e1190	500	e18	.00	.00	.16	444
17	.12	e2.0	e18	e2500	860	e1060	450	e15	.00	.00	.08	152
18	.10	e19	e16	e2500	776	e907	364	e12	.00	.00	.06	132
19	.10	e10	e14	e2500	662	e1530	307	e9.0	.00	.00	.04	76
20	.09	e5.0	e12	e4000	4020	1870	268	7.1	.00	.00	.03	50
21	.09	e3.0	e11	e6000	4940	1990	258	4.9	.00	.00	355	32
22	.09	e2.0	e10	e10000	7930	2060	261	2.1	.00	.00	47	18
23	.09	e1.0	e10	e9000	e14000	e1940	259	.53	.00	.00	31	11
24	22	e.40	e9.0	e6000	e13000	e1850	232	.07	.00	.00	e6.0	6.5
25	756	e.40	e9.0	e4000	7340	e1760	208	.01	.00	.00	e1.5	5.0
26	31	.21	e8.0	e2800	3820	e1680	205	.00	.00	.00	e.10	e3.0
27	e11	.07	e8.0	e2000	2420	e1600	192	.00	.00	.00	252	e2.5
28	e119	.06	e7.0	e1500	1780	e1540	175	.00	.00	.00	187	e2.0
29	92	.05	e40	e912	---	e1470	156	.00	.00	.00	156	e1.0
30	e30	.04	e750	1510	---	e1400	141	.00	.00	.00	1170	e.50
31	262	---	743	949	---	e1320	---	.00	---	.00	620	---
TOTAL	1550.68	1818.23	5289.99	145444	76239	42818	19266	909.71	0.00	0.00	2849.86	3552.24
MEAN	50.0	60.6	171	4692	2723	1381	642	29.3	.000	.000	91.9	118
MAX	756	616	1650	16400	14000	2060	1710	125	.00	.00	1170	1050
MIN	.09	.04	.01	863	369	575	141	.00	.00	.00	.00	.44
AC-FT	3080	3610	10490	288500	151200	84930	38210	1800	.00	.00	5650	7050

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	112478.24	307	2600	0.00	223100
WY 1993	299737.71	821	16400	0.00	594500

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e1.0	0.00	186	0.00	0.02	0.28	264	6.2	0.00	0.00	0.30	6.8
2	e1.0	.00	e143	.00	.00	.21	264	3.5	.00	.00	.09	175
3	e.00	.00	e116	.00	.00	.03	498	2.0	.00	.00	.07	394
4	e.00	.00	e85	.00	.00	.00	418	1.6	.00	.00	.06	22
5	e.00	.00	e68	.00	.00	.00	382	1.6	.00	.00	e.00	1040
6	1250	.00	e61	.00	.08	.00	351	1.5	.00	.00	e.00	876
7	2410	.00	e52	.00	.09	.00	289	242	.00	.00	e.00	388
8	401	.00	e45	.00	.09	.00	250	233	.00	.00	e.00	184
9	1730	.00	e38	.00	.08	392	224	185	.00	.00	e.00	88
10	566	.00	e30	.00	.06	635	195	152	.00	.00	e.00	52
11	213	.00	e31	.00	.07	488	172	117	.00	.00	e.00	47
12	114	.00	e28	.00	.07	369	149	99	.00	.00	e.00	48
13	63	.00	e23	.00	.02	306	136	76	.00	.00	e.00	15
14	42	.01	e18	.00	.00	294	116	116	.00	.00	e36	14
15	29	50	e15	.00	.00	334	94	51	.00	.00	e280	12
16	22	55	e12	.00	.00	333	86	31	.00	.00	e90	8.2
17	19	511	e8.0	.00	.00	303	76	13	.00	.00	e10	6.6
18	21	308	e7.5	.00	.00	318	68	5.5	.00	.00	e1.0	13
19	14	183	e4.5	.00	.00	713	68	3.1	.00	.00	e160	37
20	7.1	95	e2.9	.00	.00	973	75	1.9	.00	.00	e170	19
21	2.9	66	e.98	.00	.00	938	69	1.3	.00	.00	e90	12
22	1.1	50	e.66	.00	.05	1720	57	e1.0	.00	.00	e50	7.4
23	.53	36	e.26	.00	.07	2230	44	e1.0	.00	.00	e50	4.5
24	.17	27	e.15	.00	.02	1570	31	e1.0	.00	.00	36	2.4
25	.11	19	e.06	.00	.00	1110	21	e.00	.00	.00	19	1.6
26	.07	e834	e.05	.00	.00	1060	20	e.00	.00	.00	14	.70
27	.04	e1270	e.04	.00	.00	740	20	e.00	.00	.00	13	.24
28	.03	e857	e.02	.00	.00	572	19	.00	.00	.00	23	.10
29	.02	439	e.01	.08	---	456	12	.00	.00	.00	12	.08
30	.01	274	e.00	.07	---	379	9.1	.00	.00	6.2	9.8	.07
31	.00	---	.00	.05	---	312	---	.00	---	8.5	8.1	---
TOTAL	6908.08	5074.01	976.13	0.20	0.72	16545.52	4477.1	1346.20	0.00	14.70	1072.42	3474.69
MEAN	223	169	31.5	.006	.026	534	149	43.4	.000	.47	34.6	116
MAX	2410	1270	186	.08	.09	2230	498	242	.00	8.5	280	1040
MIN	.00	.00	.00	.00	.00	.00	9.1	.00	.00	.00	.00	.07
AC-FT	13700	10060	1940	.4	1.4	32820	8880	2670	.00	29	2130	6890

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1993	304037.03	833	16400	0.00	603100
WY 1994	39889.77	109	2410	.00	79120

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	1.2	.72	2.4	70	1430	133	97	14	e.00	.00	26
2	.24	.37	.63	.86	56	1280	115	211	7.6	e.00	.00	34
3	.10	.07	.54	.40	55	1020	107	179	5.2	e.00	.00	9.1
4	.08	.05	.51	.17	49	1740	85	166	4.0	e.00	.00	2.6
5	.07	.04	1.3	92	43	1720	73	130	3.2	e.00	.00	.93
6	.06	.03	9.2	20	39	1650	58	98	2.5	e.00	.00	90
7	.05	.03	12	7.2	37	1850	48	76	1.7	e.00	.00	68
8	.04	.02	16	384	36	2920	39	54	1.4	.00	.00	1710
9	.03	9.2	789	264	174	6570	33	41	e.50	.00	.00	1140
10	.02	23	867	e135	223	6130	26	30	e.00	.00	.00	831
11	.02	15	484	104	236	2950	22	22	e.00	.00	38	47
12	.01	8.9	299	89	255	1630	21	14	e.00	320	58	13
13	.00	5.6	194	61	258	1150	20	8.3	e.00	90	34	37
14	331	3.7	135	48	240	1530	16	4.4	e.00	57	3.9	47
15	55	2.7	106	36	219	2290	13	1.5	e.00	103	35	34
16	22	2.0	76	28	246	1940	11	.24	e.00	14	4.3	18
17	12	1.2	61	22	2360	1590	9.8	.07	e.00	4.6	25	9.9
18	580	2.9	42	17	4640	1170	8.7	.04	e.00	159	2.2	4.6
19	930	25	33	12	5720	906	8.1	.02	e.00	6.3	416	1.3
20	391	17	e17	12	3090	753	8.0	.01	e.00	1.3	476	.37
21	179	8.7	14	25	1610	612	7.3	.00	e.00	.19	51	.07
22	96	e9.0	8.0	e100	1110	503	e6.0	.00	e.00	.03	56	.01
23	56	e7.0	8.3	76	891	456	e4.0	.00	e.00	.01	184	.00
24	40	e5.0	11	75	991	390	e2.3	.00	e.00	.01	97	.00
25	29	e4.0	10	63	1310	360	1.7	.02	e.00	.00	45	.00
26	21	e3.0	6.6	53	1580	327	.64	.00	e.00	.00	95	.00
27	15	e2.0	3.8	48	1660	274	.07	.00	e.00	.00	27	.00
28	10	e2.0	1.8	40	1650	225	.00	.00	e.00	.00	10	e90
29	6.8	1.0	.82	34	---	201	.00	32	e.00	.00	3.5	e90
30	4.0	.86	1.1	29	---	173	.00	36	e.00	.00	1.3	e20
31	2.4	---	4.1	76	---	151	---	25	---	.00	3.5	---
TOTAL	2782.22	160.57	3213.42	1954.03	28848	45891	876.61	1225.60	40.10	755.44	1665.70	4323.88
MEAN	89.7	5.35	104	63.0	1030	1480	29.2	39.5	1.34	24.4	53.7	144
MAX	930	25	867	384	5720	6570	133	211	14	320	476	1710
MIN	.00	.02	.51	.17	36	151	.00	.00	.00	.00	.00	.00
AC-FT	5520	318	6370	3880	57220	91020	1740	2430	80	1500	3300	8580

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	33087.76	90.7	2230	0.00	65630
WY 1995	91736.57	251	6570	.00	182000

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Month	Statistics of monthly mean data for water years 1948–95				
	Mean	Minimum		Maximum	
		Water year	Discharge	Water year	Discharge
October	222	1951	0.000	1973	4192
November	77.5	1956	.000	1988	753
December	110	1957	.000	1979	1689
January	255	1964	.000	1993	4692
February	286	1964	.000	1993	2723
March	506	1951	.000	1978	1873
April	616	1971	.000	1973	3970
May	143	1950	.000	1973	2882
June	17.8	1950	.000	1955	595
July	113	1960	.000	1954	616
August	380	1960	.000	1955	2264
September	219	1979	.000	1970	832

Summary statistics water years 1948–95	
Annual mean	245
Highest annual mean in 1973	1,127
Lowest annual mean in 1956	26.6
Highest daily mean on October 19, 1972	18,400
Lowest daily mean on October 1, 1947	.00
Annual 7-day minimum on October 1, 1947	.00
Annual runoff, in acre-ft	177,700
10 percent exceeds	681
50 percent exceeds	3.4
90 percent exceeds	.00

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

[Period of record—October 1, 1989, to current year. Remarks—Sediment concentration for days when the daily mean discharge was greater than 30 cubic feet per second are published. Dashes indicate no data]

Sediment, suspended concentration, in milligrams per liter, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	36400	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	49100
5	---	---	---	---	---	---	---	---	---	---	---	60100
6	---	---	---	---	---	---	---	---	---	---	---	60700
7	5400	---	---	---	---	---	---	---	---	---	---	59500
8	---	---	---	---	---	---	---	---	---	55200	---	54900
9	---	---	---	---	---	---	---	---	---	63300	---	49200
10	---	---	---	---	---	---	---	---	---	68500	---	39700
11	---	---	---	---	---	---	---	---	---	69900	---	29600
12	---	---	---	---	---	---	---	---	---	66000	---	20800
13	---	---	---	---	---	---	---	---	---	56900	---	---
14	---	---	---	---	---	---	---	---	---	52900	---	---
15	---	---	---	---	---	---	---	---	---	52400	53800	---
16	---	---	---	---	---	---	---	---	---	42400	61400	24800
17	---	---	---	---	---	---	---	---	---	45300	76000	53300
18	---	---	---	---	---	---	---	---	---	34300	80500	82300
19	---	---	---	---	---	---	---	---	---	9020	77600	96800
20	---	---	---	---	---	---	---	---	---	11400	81100	108000
21	---	---	---	---	27200	---	---	---	---	6770	87200	97400
22	---	---	---	---	28500	---	---	---	---	8180	88800	65900
23	---	---	---	---	40600	---	---	---	---	10500	84400	67900
24	---	---	---	---	---	---	---	---	---	17400	---	74400
25	---	---	---	---	---	---	---	---	---	14500	---	59200
26	---	---	---	---	---	---	---	---	---	---	28600	60200
27	---	---	---	---	---	---	---	---	---	---	20600	58000
28	---	---	---	---	---	---	---	---	---	---	---	54000
29	---	---	---	---	---	---	---	---	---	---	---	45500
30	---	---	---	---	---	---	---	---	---	---	---	41200
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	21200	---	13100	27600	4980	---	---	---	---
2	35100	---	---	24900	---	15300	30600	4010	---	---	---	130000
3	59500	---	---	29300	---	22100	32900	3100	---	---	---	155000
4	57000	---	---	30000	---	44900	34500	2900	---	---	---	145000
5	49500	44300	---	29300	---	47700	36500	2810	---	---	---	140000
6	---	39400	---	28700	---	44700	43200	2770	---	---	---	152000
7	---	30500	---	55000	---	45900	48600	2600	---	---	36500	130000
8	---	26800	---	73200	---	47000	50800	2410	---	---	54300	108000
9	---	23100	---	60300	---	47300	51600	2300	---	---	---	88700
10	---	20100	---	40700	---	43700	52000	2200	---	---	---	80700
11	---	---	---	30400	---	38100	52300	2100	---	---	---	69800
12	---	---	---	25200	---	33600	52300	1940	---	---	---	60500
13	---	---	---	22200	---	30700	51100	1480	---	---	---	54900
14	---	---	---	20800	---	29000	47500	973	---	---	---	51200
15	---	---	---	19600	---	27700	41300	595	---	---	---	---
16	---	---	---	21200	---	27200	34300	---	---	---	---	---
17	---	---	---	19100	19500	27100	30100	---	---	---	---	---
18	---	---	38500	17000	18300	27000	30000	---	---	---	---	---
19	---	---	45900	15000	17200	27000	30400	---	---	---	---	---
20	---	---	38400	13000	17700	27000	30200	---	---	---	---	---
21	---	---	33900	11100	17000	27000	27700	---	---	---	---	---
22	---	---	29900	---	16000	27000	23900	---	---	---	---	---
23	28200	---	25700	---	15000	27000	20200	---	---	---	---	---
24	55200	---	22300	---	14000	27000	18800	---	---	---	---	---
25	47700	---	21200	---	13500	27000	14000	---	---	---	---	---
26	39500	---	---	---	13000	27000	12000	---	---	---	---	---
27	29600	---	---	---	12500	27000	9610	---	---	---	18700	---
28	---	---	---	---	12200	27400	8090	---	---	---	133000	---
29	---	---	---	---	---	29500	6980	---	---	---	110000	---
30	---	---	---	---	---	29000	5980	---	---	---	---	---
31	---	---	---	---	---	28000	---	---	---	---	---	---
MAX	---	---	---	---	---	47700	52300	---	---	---	---	---
MIN	---	---	---	---	---	13100	5980	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	1920	3900	7360	20400	1410	84300	---	50200	24700
2	---	---	---	---	6760	7420	19400	1390	54900	---	---	7810
3	---	---	---	---	6940	9460	21100	1310	44700	---	---	4260
4	---	---	---	4340	7570	10200	23500	1300	32800	---	---	3040
5	---	---	---	3450	7660	9520	22600	2370	25600	---	---	2490
6	---	---	---	3050	7500	18700	18900	23900	18000	---	---	1900
7	---	---	---	2960	7240	18900	15400	17200	16700	---	37800	1090
8	---	---	---	3180	7200	19300	15100	14800	14400	10800	64700	---
9	---	---	---	6970	7160	14700	15600	---	---	101000	54200	---
10	---	---	---	7690	7320	11300	14000	27800	---	92000	46500	---
11	---	---	5380	6010	7950	7330	12400	45500	---	101000	42800	---
12	---	---	---	4630	7700	4960	13000	34500	---	85700	49500	---
13	---	---	---	4180	7610	3900	13600	28300	---	82100	34300	---
14	---	---	9040	3740	12300	2280	11800	25300	---	82100	49100	8420
15	---	---	8580	2980	14000	2080	10100	25000	---	86800	42500	10000
16	---	34500	5300	2230	16700	2460	9060	23800	---	80800	35700	11900
17	---	---	4080	1800	21500	4840	6250	17600	---	77200	31100	---
18	---	---	3760	1450	19000	13800	4970	---	---	70300	29600	---
19	---	---	6510	---	12500	17600	4110	---	---	65600	23200	58300
20	---	---	5630	---	9400	17400	4000	---	---	---	---	31500
21	---	33500	7730	---	6870	12900	3860	25600	---	---	14700	16000
22	---	30400	19000	---	5310	5750	3080	29700	---	---	32900	10900
23	---	---	17300	1400	4680	5820	2740	41000	---	102000	15200	14400
24	---	---	14400	---	4150	14000	2530	52700	---	112000	32600	22600
25	---	---	8110	---	4300	18400	2430	63400	---	113000	36800	30500
26	---	---	4910	---	8300	14900	2060	46800	---	113000	33600	25100
27	---	---	3460	---	10700	13300	1930	64600	---	104000	33800	20300
28	---	---	3260	---	9510	10100	1550	102000	---	109000	59100	17800
29	---	---	2940	---	7690	13300	1500	73000	---	93400	64400	15100
30	---	---	2360	---	---	15300	1490	76400	---	84900	64600	12900
31	---	---	2170	---	---	22700	---	93100	---	74000	31100	---
MAX	---	---	---	---	21500	22700	23500	---	---	---	---	---
MIN	---	---	---	---	3900	2080	1490	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9190	43500	---	21600	7200	9430	7020	784	---	---	---	26700
2	7700	50900	---	25300	3890	9060	7240	616	---	---	---	19600
3	6060	63300	---	15100	3520	8170	7900	544	---	---	---	14100
4	---	54000	---	12800	3410	7470	8150	459	---	---	---	8720
5	---	46700	---	12300	3350	6900	7960	381	---	---	---	6630
6	---	40200	---	12200	3250	6680	7430	317	---	---	---	3620
7	---	36100	24700	12000	2910	5190	6620	254	---	---	---	2110
8	---	32300	17900	34200	3090	4780	6430	218	---	---	---	1680
9	---	30900	13100	20700	3420	4470	5950	185	---	---	---	---
10	---	29600	8620	25300	3040	4030	5240	179	---	---	---	---
11	---	---	5530	39600	4390	4230	4740	171	---	---	---	---
12	---	---	4610	48900	10400	7520	4040	166	---	---	---	---
13	---	---	3790	49400	12600	9320	3990	164	---	---	---	---
14	---	---	2940	38700	11400	9310	4450	160	---	---	---	4530
15	---	---	2110	23900	7220	8030	4440	153	---	---	---	34700
16	---	---	---	17300	5180	7090	3850	---	---	---	---	22500
17	---	---	---	14300	5400	6720	3290	---	---	---	---	13800
18	---	---	---	14000	5050	6380	2820	---	---	---	---	8160
19	---	---	---	14700	4920	8410	2470	---	---	---	---	4920
20	---	---	---	20100	17400	9750	2020	---	---	---	---	2670
21	---	---	---	28300	20800	10500	1750	---	---	---	17900	1980
22	---	---	---	38100	35200	11000	1790	---	---	---	7490	---
23	---	---	---	36800	46000	10200	1790	---	---	---	5870	---
24	1360	---	---	28000	40000	9790	1680	---	---	---	---	---
25	51800	---	---	20300	30000	9520	1540	---	---	---	---	---
26	30100	---	---	15900	17900	9360	1560	---	---	---	---	---
27	---	---	---	12000	13300	8980	1410	---	---	---	7260	---
28	37100	---	---	8860	10200	8490	1270	---	---	---	13400	---
29	39900	---	3210	5890	---	8060	1020	---	---	---	6280	---
30	30900	---	19200	7990	---	7970	898	---	---	---	35800	---
31	34200	---	24000	6050	---	7690	---	---	---	---	27600	---
MAX	---	---	---	49400	46000	11000	8150	---	---	---	---	---
MIN	---	---	---	5890	2910	4030	898	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	3740	---	---	---	4020	---	---	---	---	---
2	---	---	e2830	---	---	---	3300	---	---	---	---	19700
3	---	---	e2230	---	---	---	4940	---	---	---	---	47700
4	---	---	e1910	---	---	---	4330	---	---	---	---	26700
5	---	---	e1700	---	---	---	3980	---	---	---	---	66900
6	11200	---	e1490	---	---	---	3630	---	---	---	---	61200
7	32800	---	e1250	---	---	---	2860	1480	---	---	---	83600
8	6870	---	e1060	---	---	---	2070	2140	---	---	---	84700
9	21600	---	e942	---	---	11100	1800	5310	---	---	---	75100
10	8990	---	e804	---	---	12100	1600	1570	---	---	---	64700
11	4210	---	e698	---	---	11300	1370	846	---	---	---	56000
12	2580	---	e564	---	---	5780	1030	792	---	---	---	76200
13	1540	---	e329	---	---	3460	899	487	---	---	---	---
14	1030	---	---	---	---	2900	798	955	---	---	e488	---
15	795	770	---	---	---	4160	3350	312	---	---	e49800	---
16	622	1160	---	---	---	4370	1130	151	---	---	e41300	---
17	---	7710	---	---	---	3580	578	---	---	---	---	---
18	557	5620	---	---	---	3990	1870	---	---	---	---	---
19	---	3440	---	---	---	60600	731	---	---	---	e72400	76200
20	---	2150	---	---	---	87900	538	---	---	---	e78700	---
21	---	1680	---	---	---	73100	423	---	---	---	e79500	---
22	---	1290	---	---	---	47800	364	---	---	---	e68000	---
23	---	915	---	---	---	49900	260	---	---	---	e63400	---
24	---	709	---	---	---	28500	217	---	---	---	59700	---
25	---	553	---	---	---	8300	176	---	---	---	---	---
26	---	e6580	---	---	---	5620	---	---	---	---	---	---
27	---	e15700	---	---	---	4760	---	---	---	---	---	---
28	---	e12600	---	---	---	6010	---	---	---	---	33800	---
29	---	7380	---	---	---	4650	---	---	---	---	---	---
30	---	4690	---	---	---	3990	---	---	---	---	---	---
31	---	---	---	---	---	3430	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment, suspended concentration, in milligrams per liter, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	4910	8610	1390	968	---	---	---	10100
2	---	---	---	---	4360	8360	1220	2040	---	---	---	11100
3	---	---	---	---	4260	8050	1170	1820	---	---	---	---
4	---	---	---	---	3980	10200	1020	1670	---	---	---	---
5	---	---	---	20000	3610	8320	943	1390	---	---	---	---
6	---	---	---	---	3300	7370	855	1120	---	---	---	15200
7	---	---	---	---	3020	8010	786	984	---	---	---	13600
8	---	---	---	49500	2970	11300	654	802	---	---	---	32300
9	---	---	22900	49300	10100	26100	555	654	---	---	---	36200
10	---	32500	29200	45100	9830	18300	499	547	---	---	---	27400
11	---	---	25000	42100	10000	11300	449	445	---	---	11600	12600
12	---	---	13800	41100	10000	7440	406	---	---	11500	12700	---
13	---	---	9420	38700	9730	5960	---	---	---	14500	10100	64900
14	23900	---	6730	37700	8230	6870	---	---	---	9700	---	7100
15	36800	---	6910	35900	7920	9600	---	---	---	17400	11100	58300
16	34200	---	5350	33300	7370	8850	---	---	---	---	---	---
17	---	---	4260	31500	32400	7240	---	---	---	---	9580	---
18	59800	---	3590	---	26000	6000	---	---	---	81600	---	---
19	67300	33000	2740	---	17300	5050	---	---	---	---	8350	---
20	53500	---	---	---	13500	4640	---	---	---	---	22900	---
21	47000	---	---	3070	10100	4020	---	---	---	---	12200	---
22	42100	---	---	5560	8240	3520	---	---	---	---	13400	---
23	38500	---	---	5150	7120	3210	---	---	---	---	19800	---
24	37000	---	---	5050	7700	3010	---	---	---	---	18600	---
25	35900	---	---	4730	8520	2900	---	---	---	---	13300	---
26	34100	---	---	4090	9520	2760	---	---	---	---	16000	---
27	---	---	---	3900	10100	2430	---	---	---	---	9630	---
28	---	---	---	3340	9550	2060	---	---	---	---	---	e44400
29	---	---	---	3010	---	1960	---	501	---	---	---	e86700
30	---	---	---	2750	---	1710	---	586	---	---	---	---
31	---	---	---	5000	---	1510	---	445	---	---	---	---
MAX	---	---	---	---	32400	26100	---	---	---	---	---	---
MIN	---	---	---	---	2970	1510	---	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

[Sediment discharge for days when the daily mean discharge was greater than 30 cubic feet per second are published. Dashes indicate no data]

Sediment discharge, suspended, in tons per day, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	19900	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	55000
5	---	---	---	---	---	---	---	---	---	---	---	49100
6	---	---	---	---	---	---	---	---	---	---	---	41500
7	627	---	---	---	---	---	---	---	---	---	---	e32100
8	---	---	---	---	---	---	---	---	---	77500	---	e14800
9	---	---	---	---	---	---	---	---	---	32000	---	e7970
10	---	---	---	---	---	---	---	---	---	e63800	---	e5360
11	---	---	---	---	---	---	---	---	---	e33000	---	e2400
12	---	---	---	---	---	---	---	---	---	e17800	---	e1400
13	---	---	---	---	---	---	---	---	---	e9220	---	---
14	---	---	---	---	---	---	---	---	---	e5710	---	---
15	---	---	---	---	---	---	---	---	---	35000	112000	---
16	---	---	---	---	---	---	---	---	---	17100	59000	3970
17	---	---	---	---	---	---	---	---	---	65000	231000	12300
18	---	---	---	---	---	---	---	---	---	39700	200000	265000
19	---	---	---	---	---	---	---	---	---	e3650	131000	e434000
20	---	---	---	---	---	---	---	---	---	e4620	68800	e269000
21	---	---	---	---	10900	---	---	---	---	e1460	37100	e292000
22	---	---	---	---	9150	---	---	---	---	e1100	17000	128000
23	---	---	---	---	11500	---	---	---	---	e17000	8390	208000
24	---	---	---	---	---	---	---	---	---	9860	---	282000
25	---	---	---	---	---	---	---	---	---	918	---	12700
26	---	---	---	---	---	---	---	---	---	---	1880	22600
27	---	---	---	---	---	---	---	---	---	---	1180	15800
28	---	---	---	---	---	---	---	---	---	---	---	9210
29	---	---	---	---	---	---	---	---	---	---	---	4700
30	---	---	---	---	---	---	---	---	---	---	---	2770
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, in tons per day, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	e11300	---	e2370	e19100	3480	---	---	---	---
2	8900	---	---	e16200	---	4100	48100	2360	---	---	---	192000
3	24600	---	---	e28300	---	22600	60300	1350	---	---	---	119000
4	13900	---	---	33700	---	201000	70000	1110	---	---	---	e36000
5	3540	60900	---	32800	---	192000	101000	1010	---	---	---	e8690
6	---	16300	---	25800	---	116000	152000	1030	---	---	---	131000
7	---	6060	---	179000	---	133000	200000	899	---	---	4760	80800
8	---	3840	---	418000	---	190000	227000	716	---	---	e4980	e72900
9	---	2310	---	162000	---	195000	240000	571	---	---	---	e86200
10	---	1270	---	46000	---	121000	256000	428	---	---	---	e53600
11	---	---	---	14100	---	65700	288000	277	---	---	---	e28300
12	---	---	---	6260	---	39800	303000	210	---	---	---	e16300
13	---	---	---	3240	---	29800	276000	135	---	---	---	e7410
14	---	---	---	3090	---	25700	206000	71	---	---	---	e3460
15	---	---	---	2540	---	21600	120000	35	---	---	---	---
16	---	---	---	2740	---	17900	74100	---	---	---	---	---
17	---	---	---	1960	14800	16700	50000	---	---	---	---	---
18	---	---	124000	1570	11800	e16800	67100	---	---	---	---	---
19	---	---	39800	1280	8100	e15300	83000	---	---	---	---	---
20	---	---	14700	e1090	10800	e13900	82800	---	---	---	---	---
21	---	---	e8910	e772	10300	e10900	67600	---	---	---	---	---
22	---	---	e5410	---	6380	e7290	53400	---	---	---	---	---
23	29500	---	e3050	---	4400	e10200	44200	---	---	---	---	---
24	25000	---	e1930	---	e3630	e13900	41700	---	---	---	---	---
25	8380	---	e1430	---	e3060	e14600	26500	---	---	---	---	---
26	4150	---	---	---	e2560	e13100	19100	---	---	---	---	---
27	2030	---	---	---	e1960	e11700	12200	---	---	---	10600	---
28	---	---	---	---	e1480	e10400	10100	---	---	---	91700	---
29	---	---	---	---	---	32600	7890	---	---	---	e10700	---
30	---	---	---	---	---	25100	5440	---	---	---	---	---
31	---	---	---	---	---	e19400	---	---	---	---	---	---
MAX	---	---	---	---	---	201000	303000	---	---	---	---	---
MIN	---	---	---	---	---	2370	5440	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, in tons per day, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	e114	4590	4300	77000	271	234000	---	5030	e36300
2	---	---	---	---	2020	4350	71500	258	56500	---	---	8220
3	---	---	---	---	3940	8520	83600	233	29300	---	---	2180
4	---	---	---	e1420	5310	13200	97300	228	e11800	---	---	715
5	---	---	---	e643	4820	18400	89700	1980	e3800	---	---	325
6	---	---	---	e527	4510	59700	69200	7220	2080	---	---	191
7	---	---	---	e519	4120	60900	51000	1410	1410	---	21000	79
8	---	---	---	e470	4080	48100	50000	961	804	e4800	126000	---
9	---	---	---	e4840	3800	39800	53900	---	---	146000	57300	---
10	---	---	---	e5690	4070	27300	46000	15300	---	e25300	32100	---
11	---	---	e1290	e2740	5100	16600	37400	28000	---	99300	40900	---
12	---	---	---	e1420	4580	8970	38900	e12900	---	e25300	46500	---
13	---	---	---	e1440	4250	6060	41000	e6270	---	e22200	12100	---
14	---	---	19200	e808	14100	3040	35000	e4240	---	e20800	54700	29300
15	---	---	6610	e483	21200	3050	28300	e4320	---	e29500	23500	20800
16	---	5200	1740	e241	32000	3970	23800	e3790	---	e17000	12300	26500
17	---	---	e782	e146	63200	11100	e14200	e1570	---	e13300	6400	---
18	---	---	e579	e98	43700	38400	e9400	---	---	e7780	7470	---
19	---	---	4000	---	17000	55900	e6240	---	---	e4610	e2820	377000
20	---	---	2470	---	7860	55300	4860	---	---	---	---	71500
21	---	3880	20000	---	3860	34100	4220	e5630	---	---	e5910	e8290
22	---	2610	54800	---	2280	11400	2740	e5510	---	---	89800	e2300
23	---	---	45200	e79	1610	10900	1870	e13500	---	e180000	17300	e4280
24	---	---	27500	---	1110	41400	1260	56900	---	334000	122000	27100
25	---	---	6730	---	1190	63400	1000	98200	---	259000	184000	61100
26	---	---	e1350	---	6530	46100	694	36200	---	302000	161000	30200
27	---	---	e561	---	10400	35000	568	95200	---	194000	158000	16800
28	---	---	e546	---	7400	23700	406	365000	---	280000	302000	11500
29	---	---	e405	---	4730	34100	341	114000	---	70100	416000	7370
30	---	---	e214	---	---	44500	300	195000	---	28000	468000	4480
31	---	---	e189	---	---	87900	---	321000	---	12200	107000	---
MAX	---	---	---	---	63200	87900	97300	---	---	---	---	---
MIN	---	---	---	---	1110	3040	300	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, in tons per day, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e1860	e19800	---	101000	28800	e40700	e23800	265	---	---	---	42400
2	e1040	57400	---	193000	5540	e38300	23300	e166	---	---	---	18600
3	507	105000	---	187000	4510	31700	32400	e132	---	---	---	5940
4	---	34400	---	141000	4120	25600	37600	e99	---	---	---	2050
5	---	e16400	---	66100	4000	22800	34500	e72	---	---	---	1650
6	---	e9230	---	43900	3840	19200	25900	e51	---	---	---	661
7	---	5310	118000	28000	3020	11400	19100	e47	---	---	---	231
8	---	3520	42100	511000	3580	9340	18300	e26	---	---	---	97
9	---	2430	18000	e86600	4300	7570	15200	e20	---	---	---	---
10	---	1950	5710	e308000	3030	6260	10900	e19	---	---	---	---
11	---	---	e1790	e1150000	13600	9130	8200	e16	---	---	---	---
12	---	---	e1240	e2150000	56800	28300	5950	e13	---	---	---	---
13	---	---	e767	e2190000	82800	40500	5620	e13	---	---	---	---
14	---	---	e397	e1040000	65900	e41200	6970	e11	---	---	---	18700
15	---	---	e142	e323000	25700	e29700	7150	e9.0	---	---	---	99100
16	---	---	---	e140000	12000	e22800	5200	---	---	---	---	28800
17	---	---	---	e96500	12700	e19200	4000	---	---	---	---	5750
18	---	---	---	e94500	10600	e15600	2780	---	---	---	---	2930
19	---	---	---	e99200	9020	e34700	2050	---	---	---	---	1030
20	---	---	---	e217000	220000	49200	1460	---	---	---	---	365
21	---	---	---	e458000	315000	56300	1220	---	---	---	35700	171
22	---	---	---	e1030000	768000	61000	1260	---	---	---	1130	---
23	---	---	---	e894000	e1740000	e53500	1250	---	---	---	580	---
24	4730	---	---	e454000	e1400000	e48800	1060	---	---	---	---	---
25	127000	---	---	e219000	e594000	e45300	861	---	---	---	---	---
26	2670	---	---	e120000	175000	e42400	866	---	---	---	---	---
27	---	---	---	e64800	88300	e38900	731	---	---	---	26200	---
28	e11900	---	---	e35900	49200	e35200	602	---	---	---	9980	---
29	10100	---	e347	e14500	---	e31900	430	---	---	---	16200	---
30	e2500	---	e38900	35200	---	e30000	343	---	---	---	118000	---
31	13800	---	48400	16400	---	e27400	---	---	---	---	49400	---
MAX	---	---	---	2190000	1740000	61000	37600	---	---	---	---	---
MIN	---	---	---	14500	3020	6260	343	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, in tons per day, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	1880	---	---	---	2850	---	---	---	---	---
2	---	---	e1090	---	---	---	2340	---	---	---	---	49800
3	---	---	e702	---	---	---	6670	---	---	---	---	58100
4	---	---	e440	---	---	---	4890	---	---	---	---	1750
5	---	---	e310	---	---	---	4110	---	---	---	---	257000
6	217000	---	e244	---	---	---	3440	---	---	---	---	145000
7	304000	---	e176	---	---	---	2240	1140	---	---	---	86700
8	13100	---	e128	---	---	---	1400	1340	---	---	---	42200
9	106000	---	e97	---	---	15700	1090	2560	---	---	---	17900
10	14800	---	e67	---	---	20700	842	673	---	---	---	9160
11	2490	---	e59	---	---	15300	637	267	---	---	---	7260
12	806	---	e43	---	---	5700	415	214	---	---	---	9760
13	263	---	e21	---	---	2870	329	100	---	---	---	---
14	119	---	---	---	---	2310	250	440	---	---	e47	---
15	64	294	---	---	---	3830	818	44	---	---	e37600	---
16	38	546	---	---	---	3920	266	13	---	---	e10000	---
17	---	11200	---	---	---	2930	119	---	---	---	---	---
18	33	4740	---	---	---	3570	339	---	---	---	---	---
19	---	1710	---	---	---	128000	132	---	---	---	e31300	7470
20	---	558	---	---	---	231000	109	---	---	---	e36100	---
21	---	302	---	---	---	187000	79	---	---	---	e19300	---
22	---	175	---	---	---	228000	57	---	---	---	e9180	---
23	---	89	---	---	---	301000	31	---	---	---	e8560	---
24	---	51	---	---	---	123000	18	---	---	---	5760	---
25	---	---	---	---	---	25500	10	---	---	---	---	---
26	---	e14800	---	---	---	15900	---	---	---	---	---	---
27	---	e53800	---	---	---	9360	---	---	---	---	---	---
28	---	e29200	---	---	---	9280	---	---	---	---	2120	---
29	---	8910	---	---	---	5730	---	---	---	---	---	---
30	---	3490	---	---	---	4080	---	---	---	---	---	---
31	---	---	---	---	---	2900	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, in tons per day, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	926	33100	499	498	---	---	---	749
2	---	---	---	---	659	28800	381	1160	---	---	---	1050
3	---	---	---	---	634	22200	339	881	---	---	---	---
4	---	---	---	---	529	48900	232	750	---	---	---	---
5	---	---	---	9270	421	38700	186	490	---	---	---	---
6	---	---	---	---	346	32800	134	298	---	---	---	5240
7	---	---	---	---	300	40200	101	203	---	---	---	2950
8	---	---	---	57700	306	91900	69	117	---	---	---	304000
9	---	---	54900	35200	4860	454000	49	72	---	---	---	181000
10	---	1980	68600	e16400	5910	308000	35	44	---	---	---	108000
11	---	---	33000	11800	6390	92000	27	27	---	---	2130	1820
12	---	---	11300	9890	6890	33000	23	---	---	38800	2830	---
13	---	---	4940	6350	6760	18500	---	---	---	4810	1210	6540
14	50800	---	2470	4900	5320	30200	---	---	---	3840	---	9230
15	5890	---	2010	3510	4690	59400	---	---	---	5510	1230	5550
16	2080	---	1100	2530	5230	46300	---	---	---	---	---	---
17	---	---	704	1880	205000	31300	---	---	---	---	700	---
18	110000	---	414	---	323000	18900	---	---	---	69500	---	---
19	173000	2230	255	---	267000	12400	---	---	---	---	63200	---
20	56900	---	---	---	115000	9450	---	---	---	---	48700	---
21	22800	---	---	253	44200	6650	---	---	---	---	2350	---
22	10900	---	---	e1500	24800	4780	---	---	---	---	2200	---
23	5810	---	---	1070	17100	3950	---	---	---	---	12400	---
24	4020	---	---	1020	20800	3170	---	---	---	---	5340	---
25	2810	---	---	803	30200	2820	---	---	---	---	1830	---
26	1900	---	---	585	40700	2440	---	---	---	---	4560	---
27	---	---	---	506	45400	1800	---	---	---	---	700	---
28	---	---	---	362	42600	1250	---	---	---	---	---	e35700
29	---	---	---	280	---	1060	---	82	---	---	---	e23300
30	---	---	---	214	---	800	---	58	---	---	---	---
31	---	---	---	1040	---	617	---	30	---	---	---	---
MAX	---	---	---	---	323000	454000	---	---	---	---	---	---
MIN	---	---	---	---	300	617	---	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

[Sediment discharge for days when the daily mean discharge was greater than 30 cubic feet per second are published. Dashes indicate no data]

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	1220	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	2240
5	---	---	---	---	---	---	---	---	---	---	---	985
6	---	---	---	---	---	---	---	---	---	---	---	826
7	2.0	---	---	---	---	---	---	---	---	---	---	e594
8	---	---	---	---	---	---	---	---	---	3080	---	e151
9	---	---	---	---	---	---	---	---	---	978	---	e44
10	---	---	---	---	---	---	---	---	---	e1840	---	e23
11	---	---	---	---	---	---	---	---	---	e609	---	e3.2
12	---	---	---	---	---	---	---	---	---	e184	---	e1.4
13	---	---	---	---	---	---	---	---	---	e68	---	---
14	---	---	---	---	---	---	---	---	---	e133	---	---
15	---	---	---	---	---	---	---	---	---	983	9760	---
16	---	---	---	---	---	---	---	---	---	376	1720	64
17	---	---	---	---	---	---	---	---	---	1990	23000	120
18	---	---	---	---	---	---	---	---	---	1170	14900	30000
19	---	---	---	---	---	---	---	---	---	e79	2860	e10300
20	---	---	---	---	---	---	---	---	---	e81	410	e25700
21		---	---	---	43	---	---	---	---	e18	51	e32100
22	---	---	---	---	131	---	---	---	---	e18	17	8120
23	---	---	---	---	79	---	---	---	---	e2400	8.4	18800
24	---	---	---	---	---	---	---	---	---	265	---	51300
25	---	---	---	---	---	---	---	---	---	3.2	---	156
26	---	---	---	---	---	---	---	---	---	---	4.3	384
27	---	---	---	---	---	---	---	---	---	---	1.4	170
28	---	---	---	---	---	---	---	---	---	---	---	65
29	---	---	---	---	---	---	---	---	---	---	---	19
30	---	---	---	---	---	---	---	---	---	---	---	5.0
31	---	---	---	---	---	---	---	---	---	---	---	---

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1991
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	e64	---	e47	e1090	187	---	---	---	---
2	280	---	---	e568	---	82	5040	112	---	---	---	7240
3	429	---	---	e1620	---	1200	7740	43	---	---	---	3730
4	100	---	---	2020	---	44800	10200	33	---	---	---	e7.0
5	5.1	4090	---	1970	---	42800	19100	30	---	---	---	e13
6	---	237	---	1470	---	21000	33400	31	---	---	---	7740
7	---	39	---	9250	---	28500	48000	26	---	---	40	4500
8	---	19	---	120000	---	43500	57400	15	---	---	e25	e2520
9	---	6.8	---	28100	---	44700	64700	11	---	---	---	e1350
10	---	1.5	---	4080	---	21000	72100	8.6	---	---	---	e588
11	---	---	---	666	---	8020	87100	5.8	---	---	---	e283
12	---	---	---	127	---	3330	99700	2.5	---	---	---	e163
13	---	---	---	52	---	2140	82300	1.5	---	---	---	e74
14	---	---	---	38	---	1830	51500	.81	---	---	---	e35
15	---	---	---	31	---	1310	23400	.35	---	---	---	---
16	---	---	---	27	---	922	11900	---	---	---	---	---
17	---	---	---	20	917	839	6850	---	---	---	---	---
18	---	---	445	16	593	e838	8940	---	---	---	---	---
19	---	---	1460	13	343	e743	14500	---	---	---	---	---
20	---	---	186	e8.4	529	e569	14800	---	---	---	---	---
21	---	---	e83	e4.6	489	e421	11500	---	---	---	---	---
22	---	---	e27	---	198	e270	8840	---	---	---	---	---
23	1020	---	e7.0	---	93	e366	7080	---	---	---	---	---
24	504	---	e2.2	---	e73	e480	6520	---	---	---	---	---
25	26	---	e1.4	---	e61	e487	4160	---	---	---	---	---
26	7.8	---	---	---	e51	e423	2230	---	---	---	---	---
27	2.3	---	---	---	e36	e362	1150	---	---	---	196	---
28	---	---	---	---	e18	e359	909	---	---	---	3310	---
29	---	---	---	---	---	2310	664	---	---	---	e61	---
30	---	---	---	---	---	1730	377	---	---	---	---	---
31	---	---	---	---	---	e1130	---	---	---	---	---	---

e Estimated

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1992
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	e0.24	15	86	15500	2.0	36800	---	21	e1430
2	---	---	---	---	10	87	13900	1.8	2780	---	---	197
3	---	---	---	---	30	273	17600	1.6	612	---	---	26
4	---	---	---	e13	106	755	22000	1.6	e122	---	---	6.6
5	---	---	---	e4.7	96	1330	19500	134	e21	---	---	1.5
6	---	---	---	e3.3	90	9170	13300	271	7.3	---	---	.58
7	---	---	---	e3.0	82	9890	8800	3.1	4.1	---	407	.17
8	---	---	---	e3.2	82	6410	8500	1.8	1.5	e41	4460	---
9	---	---	---	e95	76	5330	9170	---	---	5800	1490	---
10	---	---	---	e114	81	3920	7770	619	---	e430	764	---
11	---	---	e20	e51	102	1920	5810	790	---	2820	1230	---
12	---	---	---	e16	92	762	5020	e144	---	e117	1070	---
13	---	---	---	e11	96	425	6350	e50	---	e222	137	---
14	---	---	2270	e7.6	742	187	5580	e26	---	e208	1460	2980
15	---	---	220	e2.9	1350	183	4250	e26	---	e284	472	1610
16	---	33	23	e1.0	3080	344	3280	e21	---	e160	134	2810
17	---	---	e7.2	e.40	9530	1550	e1610	e5.0	---	e82	55	---
18	---	---	e4.0	e.20	4840	5690	e850	---	---	e32	59	---
19	---	---	122	---	1070	9360	e438	---	---	e14	e13	49200
20	---	---	60	---	254	9200	254	---	---	---	---	6390
21	---	17	4170	---	77	5450	200	e18	---	---	e903	e247
22	---	9.2	8900	---	25	3710	87	e15	---	---	5490	e29
23	---	---	6310	e.17	16	3500	46	e169	---	e12200	684	e120
24	---	---	2850	---	11	7230	24	5120	---	17100	6350	1340
25	---	---	173	---	15	10700	11	6460	---	9650	10900	4140
26	---	---	e14	---	175	7330	6.9	888	---	11400	9600	1560
27	---	---	e3.6	---	394	4950	5.7	12900	---	6220	9490	696
28	---	---	e3.0	---	225	3140	4.1	107000	---	10700	19200	446
29	---	---	e1.4	---	101	4780	3.4	14500	---	1510	29900	225
30	---	---	e.62	---	---	7050	2.9	30000	---	301	34500	104
31	---	---	e.37	---	---	18400	---	60100	---	76	5570	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e25	e198	---	14000	4920	e6460	e3090	5.3	---	---	---	1060
2	e13	2060	---	46100	395	e5790	3090	e3.2	---	---	---	327
3	e2.9	3510	---	53800	276	4480	4870	e2.7	---	---	---	62
4	---	459	---	38500	248	3360	6230	e1.7	---	---	---	11
5	---	e160	---	12200	240	2950	5440	e.80	---	---	---	7.3
6	---	e76	---	4570	226	2290	3460	e.50	---	---	---	3.2
7	---	25	19100	1810	155	1150	2320	e.27	---	---	---	.72
8	---	4.6	2430	140000	211	841	2180	e.24	---	---	---	.14
9	---	2.4	618	e14200	267	615	1660	e.22	---	---	---	---
10	---	2.0	64	e85700	167	493	998	e.22	---	---	---	---
11	---	---	e17	e490000	1700	739	657	e.090	---	---	---	---
12	---	---	e8.9	e1060000	10400	3820	414	e.080	---	---	---	---
13	---	---	e4.3	e1070000	17100	6490	384	e.080	---	---	---	---
14	---	---	e.94	e435000	12900	e6600	534	e.070	---	---	---	915
15	---	---	e.14	e99100	3710	e4180	535	e.060	---	---	---	4220
16	---	---	---	e30000	1230	e2960	325	---	---	---	---	778
17	---	---	---	e20600	1250	e2310	235	---	---	---	---	65
18	---	---	---	e19800	981	e1810	142	---	---	---	---	29
19	---	---	---	e21500	873	e5410	100	---	---	---	---	10
20	---	---	---	e58500	62600	9110	60	---	---	---	---	3.3
21	---	---	---	e149000	94200	10700	49	---	---	---	1930	.56
22	---	---	---	e408000	292000	11600	50	---	---	---	4.7	---
23	---	---	---	e343000	e767000	e10100	50	---	---	---	1.6	---
24	473	---	---	e146000	e526000	e8770	41	---	---	---	---	---
25	13000	---	---	e59600	e198000	e7780	27	---	---	---	---	---
26	7.6	---	---	e27400	57000	e7160	26	---	---	---	---	---
27	---	---	---	e11900	23700	e6220	22	---	---	---	1420	---
28	e99	---	---	e5670	8620	e5340	17	---	---	---	207	---
29	84	---	e6.3	e1850	---	e4750	9.1	---	---	---	988	---
30	e4.5	---	e3750	5610	---	e4200	6.9	---	---	---	5660	---
31	244	---	2730	2140	---	e3590	---	---	---	---	1560	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1994
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	21	---	---	---	38	---	---	---	---	---
2	---	---	e11	---	---	---	45	---	---	---	---	3820
3	---	---	e6.8	---	---	---	192	---	---	---	---	1240
4	---	---	e3.5	---	---	---	147	---	---	---	---	4.3
5	---	---	e2.2	---	---	---	123	---	---	---	---	11100
6	43600	---	e1.5	---	---	---	103	---	---	---	---	5160
7	52400	---	e.85	---	---	---	65	31	---	---	---	1730
8	705	---	.49	---	---	---	30	27	---	---	---	461
9	7020	---	e.29	---	---	150	21	9.2	---	---	---	93
10	372	---	e.080	---	---	448	11	4.3	---	---	---	12
11	28	---	e.060	---	---	246	6.6	2.6	---	---	---	12
12	7.7	---	e.040	---	---	118	4.1	1.7	---	---	---	39
13	1.7	---	---	---	---	53	3.3	.65	---	---	---	---
14	.45	---	---	---	---	46	2.5	9.2	---	---	e.38	---
15	.080	1.9	---	---	---	77	1.8	.29	---	---	e315	---
16	.040	7.5	---	---	---	79	1.4	.040	---	---	e48	---
17	---	457	---	---	---	59	.87	---	---	---	---	---
18	.030	89	---	---	---	67	.71	---	---	---	---	---
19	---	19	---	---	---	7470	.59	---	---	---	e260	8.9
20	---	5.0	---	---	---	13900	.72	---	---	---	e327	---
21	---	2.1	---	---	---	11200	.41	---	---	---	e72	---
22	---	.86	---	---	---	28800	.29	---	---	---	e11	---
23	---	.36	---	---	---	43200	.13	---	---	---	e9.2	---
24	---	.090	---	---	---	13200	.050	---	---	---	6.2	---
25	---	---	---	---	---	2100	.010	---	---	---	---	---
26	---	e595	---	---	---	1090	---	---	---	---	---	---
27	---	e2540	---	---	---	478	---	---	---	---	---	---
28	---	e1120	---	---	---	371	---	---	---	---	5.3	---
29	---	201	---	---	---	179	---	---	---	---	---	---
30	---	66	---	---	---	117	---	---	---	---	---	---
31	---	---	---	---	---	61	---	---	---	---	---	---

e Estimated.

Table 6. 09402000, Little Colorado River near Cameron, Arizona, water years 1990–95—Continued

Sediment discharge, suspended, sieve diameter greater than 0.062 millimeters, in tons per day, water year 1995
Daily mean values

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	9.3	2650	10	10	---	---	---	3.4
2	---	---	---	---	6.6	2020	7.6	23	---	---	---	8.4
3	---	---	---	---	6.3	1310	6.3	18	---	---	---	---
4	---	---	---	---	5.3	4930	2.6	15	---	---	---	---
5	---	---	---	159	4.2	3930	1.9	9.8	---	---	---	---
6	---	---	---	---	3.5	3020	1.3	5.6	---	---	---	110
7	---	---	---	---	3.0	4190	.99	2.2	---	---	---	43
8	---	---	---	1580	3.1	12400	.66	1.2	---	---	---	54300
9	---	---	1310	694	239	71400	.49	.69	---	---	---	31200
10	---	.18	1980	e180	355	91700	.22	.45	---	---	---	15300
11	---	---	706	118	383	17200	.13	.18	---	---	38	23
12	---	---	215	99	414	3210	.11	---	---	1840	45	---
13	---	---	55	63	406	1180	---	---	---	118	17	65
14	1640	---	25	49	319	2750	---	---	---	72	---	92
15	75	---	20	35	281	7840	---	---	---	74	18	51
16	21	---	11	25	322	5490	---	---	---	---	---	---
17	---	---	7.0	14	13600	2860	---	---	---	---	5.7	---
18	2200	---	4.1	---	50700	1360	---	---	---	2950	---	---
19	4200	.20	2.6	---	47100	735	---	---	---	---	4590	---
20	1080	---	---	---	15700	458	---	---	---	---	1620	---
21	235	---	---	1.8	3140	274	---	---	---	---	34	---
22	50	---	---	e15	1210	185	---	---	---	---	30	---
23	11	---	---	1.0	707	123	---	---	---	---	308	---
24	5.4	---	---	10	1040	90	---	---	---	---	71	---
25	2.9	---	---	8.0	1820	56	---	---	---	---	27	---
26	1.9	---	---	5.9	3370	48	---	---	---	---	80	---
27	---	---	---	5.1	4210	36	---	---	---	---	5.1	---
28	---	---	---	3.6	3850	25	---	---	---	---	---	e912
29	---	---	---	2.8	---	21	---	1.5	---	---	---	e362
30	---	---	---	2.1	---	16	---	.67	---	---	---	---
31	---	---	---	10	---	12	---	.20	---	---	---	---

e Estimated.

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93

STATION DESCRIPTION

LOCATION—Lat 36°11'29", long 111°45'18", Coconino County, Hydrological Unit 15020016, in the Grand Canyon National Park, on the left bank about 0.75 mi upstream of the mouth, 62 mi west southwest of Lees Ferry, about 55 mi downstream from Cameron, and about 11 mi east northeast from Desert View.

DRAINAGE AREA—26,946 mi^2.

WATER DISCHARGE RECORDS

PERIOD OF RECORD—May 1990 to July 1990 at a site about 2,500 ft downstream, August 1990 to January 1993.

GAGE—Datalogger and pressure transducer. Datum of gage is 2745.00 ft above sea level. Prior to August 1, 1990, on the right bank about 2,500 ft downstream at a datum 25 ft lower.

REMARKS—Records good for daily discharge less than 500 ft^3/s. Estimated discharge and daily discharge greater than 500 ft^3/s are poor. Diversions above the station for irrigation of about 32,000 acres. Some regulation by reservoirs; combined capacity of the principal reservoirs about 135,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, see 09402000, Little Colorado River near Cameron; gage height, unknown; minimum daily discharge, 194 ft^3/s, March 1, 1991.

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	204	209	---	---
2	---	---	---	---	---	---	---	---	204	211	---	---
3	---	---	---	---	---	---	---	---	206	213	---	---
4	---	---	---	---	---	---	---	209	206	218	---	---
5	---	---	---	---	---	---	---	207	205	221	---	---
6	---	---	---	---	---	---	---	207	204	222	---	---
7	---	---	---	---	---	---	---	207	204	225	---	---
8	---	---	---	---	---	---	---	204	206	228	---	---
9	---	---	---	---	---	---	---	206	205	384	---	---
10	---	---	---	---	---	---	---	208	205	318	---	---
11	---	---	---	---	---	---	---	207	204	423	---	---
12	---	---	---	---	---	---	---	209	204	341	---	---
13	---	---	---	---	---	---	---	210	204	293	---	---
14	---	---	---	---	---	---	---	207	205	272	---	---
15	---	---	---	---	---	---	---	202	206	257	---	---
16	---	---	---	---	---	---	---	201	205	359	---	---
17	---	---	---	---	---	---	---	203	206	309	---	---
18	---	---	---	---	---	---	---	201	207	560	---	---
19	---	---	---	---	---	---	---	199	208	372	---	---
20	---	---	---	---	---	---	---	198	210	316	---	---
21	---	---	---	---	---	---	---	200	209	310	---	---
22	---	---	---	---	---	---	---	203	208	287	---	---
23	---	---	---	---	---	---	---	202	207	269	---	---
24	---	---	---	---	---	---	---	201	210	575	---	---
25	---	---	---	---	---	---	---	201	210	294	---	---
26	---	---	---	---	---	---	---	201	209	251	---	---
27	---	---	---	---	---	---	---	203	209	245	---	---
28	---	---	---	---	---	---	---	201	209	242	---	---
29	---	---	---	---	---	---	---	202	210	239	---	---
30	---	---	---	---	---	---	---	205	210	239	---	---
31	---	---	---	---	---	---	---	205	---	237	---	---
TOTAL	---	---	---	---	---	---	---	---	6199	9139	---	---
MEAN	---	---	---	---	---	---	---	---	207	295	---	---
MAX	---	---	---	---	---	---	---	---	210	575	---	---
MIN	---	---	---	---	---	---	---	---	204	209	---	---
ACRE-FT	---	---	---	---	---	---	---	---	12300	18130	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	194	438	557	215	226	224	214
2	---	---	---	---	225	203	457	494	217	225	223	212
3	---	---	---	---	225	239	764	436	216	226	224	541
4	---	---	---	---	224	653	793	387	216	225	225	498
5	---	---	---	---	223	1910	951	364	216	227	225	323
6	---	---	---	---	224	1500	1270	348	213	229	223	261
7	---	---	---	---	223	1110	1540	351	214	229	222	564
8	---	---	---	---	224	1460	1760	339	214	230	222	386
9	---	---	---	---	223	1750	1870	325	214	230	237	432
10	---	---	---	---	224	1590	1930	301	213	231	229	561
11	---	---	---	---	224	1170	2080	281	213	229	224	384
12	---	---	---	---	224	835	2260	268	214	229	243	319
13	---	---	---	---	224	683	2260	259	215	229	284	266
14	---	---	---	---	223	619	2060	242	216	229	263	252
15	---	---	---	---	223	575	1590	235	215	229	246	239
16	---	---	---	---	225	536	1210	230	215	222	227	222
17	---	---	---	---	225	471	958	227	215	222	221	215
18	---	---	---	---	399	444	827	224	221	223	221	211
19	---	---	---	---	378	409	1070	220	230	224	226	208
20	---	---	---	---	330	376	1230	218	231	227	221	206
21	---	---	---	---	365	348	1200	217	231	226	220	206
22	---	---	---	---	358	317	1100	216	230	225	220	205
23	---	---	---	---	299	297	1020	216	229	222	221	203
24	---	---	---	---	262	295	1010	216	229	221	217	202
25	---	---	---	---	232	353	975	217	230	221	217	201
26	---	---	---	---	215	381	872	217	230	223	217	202
27	---	---	---	---	202	344	789	217	228	223	232	201
28	---	---	---	---	200	332	697	215	227	222	252	200
29	---	---	---	---	---	315	674	215	227	221	371	200
30	---	---	---	---	---	586	639	217	225	222	243	200
31	---	---	---	---	---	502	---	217	---	223	220	---
TOTAL	---	---	---	---	---	20797	36294	8686	6619	6990	7260	8534
MEAN	---	---	---	---	---	671	1210	280	221	225	234	284
MAX	---	---	---	---	---	1910	2260	557	231	231	371	564
MIN	---	---	---	---	---	194	438	215	213	221	217	200
ACRE-FT	---	---	---	---	---	41250	71990	17230	13130	13860	14400	16930

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	200	204	220	254	228	441	1470	288	1880	224	---	---
2	200	207	216	245	231	429	1440	277	1010	224	---	---
3	200	205	216	237	262	440	1440	265	621	224	---	---
4	199	206	218	233	404	537	1540	257	479	224	---	---
5	199	207	218	337	451	640	1520	253	404	225	---	---
6	201	209	218	299	430	1040	1480	278	350	224	---	---
7	200	219	219	328	384	1250	1340	291	312	225	---	---
8	201	218	219	299	384	1130	1310	261	287	228	---	---
9	201	220	218	294	357	1030	1360	258	266	533	---	---
10	200	220	223	488	343	1030	1360	240	247	397	---	---
11	200	219	225	472	399	944	1270	369	239	527	---	---
12	200	218	244	377	443	869	1230	409	231	508	---	---
13	201	218	244	301	402	783	1240	365	228	322	---	---
14	201	221	232	269	415	737	1210	305	226	334	---	---
15	203	224	621	245	671	686	1170	277	224	347	---	---
16	202	219	434	233	797	704	1100	279	223	404	---	---
17	203	247	336	231	1040	779	1040	275	222	360	---	---
18	202	240	302	229	971	947	898	266	222	324	---	---
19	202	224	313	228	766	1090	778	252	223	299	---	---
20	203	220	422	227	634	1190	694	246	223	279	---	---
21	203	221	318	227	534	1100	634	246	222	264	---	---
22	204	243	1090	244	492	919	608	271	224	256	---	---
23	204	254	974	247	391	805	545	263	224	301	---	---
24	205	246	1130	246	346	898	470	316	224	1530	---	---
25	205	239	684	239	328	1210	420	828	224	795	---	---
26	205	229	443	238	332	1210	390	1070	223	---	---	---
27	206	230	356	235	514	1090	359	729	223	---	---	---
28	204	229	301	234	504	992	335	1530	224	---	---	---
29	203	225	285	232	461	1040	317	1520	225	---	---	---
30	204	221	276	231	---	1110	303	943	225	---	---	---
31	203	---	259	230	---	1360	---	1820	---	---	---	---
TOTAL	6264	6702	11674	8429	13914	28430	29271	15247	10355	---	---	---
MEAN	202	223	377	272	480	917	976	492	345	---	---	---
MAX	206	254	1130	488	1040	1360	1540	1820	1880	---	---	---
MIN	199	204	216	227	228	429	303	240	222	---	---	---
ACRE-FT	12420	13290	23160	16720	27600	56390	58060	30240	20540	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	400	234	1090	---	---	---	---	---	---	---	---
2	---	508	234	2620	---	---	---	---	---	---	---	---
3	---	784	236	4310	---	---	---	---	---	---	---	---
4	---	739	242	4550	---	---	---	---	---	---	---	---
5	---	461	237	2620	---	---	---	---	---	---	---	---
6	---	371	234	1830	---	---	---	---	---	---	---	---
7	---	322	1010	1360	---	---	---	---	---	---	---	---
8	---	311	1490	3470	---	---	---	---	---	---	---	---
9	---	291	951	2500	---	---	---	---	---	---	---	---
10	---	279	573	3430	---	---	---	---	---	---	---	---
11	---	270	485	4590	---	---	---	---	---	---	---	---
12	233	262	425	---	---	---	---	---	---	---	---	---
13	234	257	417	---	---	---	---	---	---	---	---	---
14	234	254	431	---	---	---	---	---	---	---	---	---
15	234	252	438	---	---	---	---	---	---	---	---	---
16	233	250	395	---	---	---	---	---	---	---	---	---
17	234	248	334	---	---	---	---	---	---	---	---	---
18	234	247	346	---	---	---	---	---	---	---	---	---
19	236	262	293	---	---	---	---	---	---	---	---	---
20	235	261	277	---	---	---	---	---	---	---	---	---
21	235	254	250	---	---	---	---	---	---	---	---	---
22	236	250	240	---	---	---	---	---	---	---	---	---
23	237	244	239	---	---	---	---	---	---	---	---	---
24	240	242	238	---	---	---	---	---	---	---	---	---
25	799	239	239	---	---	---	---	---	---	---	---	---
26	494	238	246	---	---	---	---	---	---	---	---	---
27	304	236	247	---	---	---	---	---	---	---	---	---
28	275	236	262	---	---	---	---	---	---	---	---	---
29	268	235	258	---	---	---	---	---	---	---	---	---
30	349	234	335	---	---	---	---	---	---	---	---	---
31	286	---	994	---	---	---	---	---	---	---	---	---
TOTAL	---	9437	12830	---	---	---	---	---	---	---	---	---
MEAN	---	315	414	---	---	---	---	---	---	---	---	---
MAX	---	784	1490	---	---	---	---	---	---	---	---	---
MIN	---	234	234	---	---	---	---	---	---	---	---	---
ACRE-FT	---	18720	25450	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—June 1950 to July 1979, and August 1990 to January 1993.

PERIOD OF DAILY RECORD—
WATER TEMPERATURE: August 1990 to January 1993.
SPECIFIC CONDUCTANCE: August 1990 to January 1993.

INSTRUMENTATION—Water-temperature and specific-conductance recorder from August 1990 to January 1993.

REMARKS—Water-quality record for 1950 to 1979 consists of 13 water samples collected at different sites from the mouth to the perennial springs about 12 mi above the mouth.
TEMPERATURE: Record fair and within 1.0°C.
SPECIFIC CONDUCTANCE: Record good and within 5 percent for periods of base flow, otherwise fair and within 10 percent for water year 1993, and poor and could be greater than 10 percent for water years 1991 and 1992.

EXTREMES FOR DATA PERIOD—
WATER TEMPERATURE: Maximum, 26.3°C, July 28, 1991; minimum, 1.4°C, January 4, 1993.
SPECIFIC CONDUCTANCE: Maximum, 4,860 μS/cm, July 9, 1992; minimum, 620 μS/cm, April 5, 1991.

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	22.5	22.1	22.3
2	---	---	---	---	---	---	23.7	20.0	21.9	23.0	22.1	22.5
3	---	---	---	---	---	---	24.3	21.7	22.8	23.5	22.5	23.0
4	---	---	---	---	---	---	24.3	22.5	23.3	23.5	22.8	23.1
5	---	---	---	---	---	---	24.6	22.7	23.6	23.3	22.9	23.0
6	---	---	---	---	---	---	24.4	22.6	23.5	23.1	22.6	22.9
7	---	---	---	---	---	---	24.6	22.7	23.6	23.6	22.9	23.2
8	---	---	---	---	---	---	24.9	23.0	23.9	23.9	23.2	23.6
9	---	---	---	---	---	---	24.6	23.6	24.1	23.9	23.3	23.6
10	---	---	---	---	---	---	24.5	23.2	23.8	23.9	23.3	23.6
11	---	---	---	---	---	---	23.8	23.3	23.6	23.8	23.3	23.6
12	---	---	---	---	---	---	23.7	22.7	23.2	23.7	23.2	23.4
13	---	---	---	---	---	---	23.6	23.0	23.2	23.5	23.0	23.3
14	---	---	---	---	---	---	23.0	22.2	22.5	23.4	23.0	23.3
15	---	---	---	---	---	---	22.7	22.1	22.4	23.4	23.0	23.3
16	---	---	---	---	---	---	22.7	22.0	22.5	23.4	22.9	23.1
17	---	---	---	---	---	---	24.1	21.7	22.7	23.1	22.5	22.7
18	---	---	---	---	---	---	23.5	22.3	23.1	22.7	21.8	22.2
19	---	---	---	---	---	---	23.2	22.1	22.5	21.8	18.9	20.1
20	---	---	---	---	---	---	22.3	21.2	21.9	20.0	19.2	19.5
21	---	---	---	---	---	---	22.7	21.3	22.0	20.7	20.0	20.3
22	---	---	---	---	---	---	23.1	21.7	22.3	21.0	20.2	20.5
23	---	---	---	---	---	---	23.0	21.8	22.4	21.2	16.8	20.7
24	---	---	---	---	---	---	22.7	21.8	22.3	20.7	16.9	19.9
25	---	---	---	---	---	---	22.4	21.5	22.0	21.1	20.1	20.5
26	---	---	---	---	---	---	22.5	21.5	22.0	21.7	21.0	21.3
27	---	---	---	---	---	---	22.8	21.7	22.2	21.6	21.2	21.4
28	---	---	---	---	---	---	23.5	22.5	22.9	21.5	20.9	21.2
29	---	---	---	---	---	---	23.8	23.1	23.4	21.3	20.5	20.9
30	---	---	---	---	---	---	23.7	23.1	23.4	21.0	20.5	20.8
31	---	---	---	---	---	---	23.1	22.4	22.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	23.9	16.8	22.1

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	20.9	20.6	20.8	18.3	17.7	18.0	15.3	15.0	15.2	12.4	11.6	12.1
2	21.1	20.6	20.8	17.7	17.1	17.4	15.3	15.0	15.2	12.0	11.0	11.5
3	21.1	20.6	20.9	17.2	16.5	16.9	15.2	14.6	14.8	13.3	11.2	12.3
4	21.2	20.5	20.8	16.8	16.3	16.6	14.8	14.3	14.5	13.0	11.6	12.4
5	20.8	20.3	20.6	16.8	15.9	16.4	14.7	14.3	14.5	12.8	11.5	11.9
6	20.7	20.4	20.6	17.0	14.1	15.3	14.9	14.6	14.8	11.8	11.2	11.5
7	20.7	20.4	20.5	14.3	14.0	14.2	14.9	14.5	14.7	11.4	11.1	11.3
8	20.4	19.3	19.7	15.1	14.1	14.5	14.7	14.2	14.5	11.3	2.0	4.6
9	19.3	18.7	19.0	15.8	15.0	15.3	14.7	14.4	14.6	6.7	3.5	5.3
10	19.1	18.7	18.9	16.1	15.4	15.8	14.7	14.3	14.6	7.5	6.7	7.2
11	19.3	18.8	19.0	16.3	15.8	16.1	14.6	14.1	14.4	8.7	7.5	8.1
12	19.3	18.9	19.2	16.6	16.0	16.3	15.4	14.5	14.9	9.7	8.8	9.2
13	19.3	18.9	19.2	16.7	16.2	16.5	15.7	15.4	15.6	10.1	9.0	9.6
14	19.6	19.2	19.3	16.7	16.2	16.5	15.7	15.1	15.4	11.8	9.4	10.3
15	19.8	19.4	19.6	16.9	16.2	16.6	15.1	14.7	14.9	12.0	10.6	11.2
16	19.8	19.5	19.7	17.3	16.8	17.0	15.1	14.9	15.0	11.8	11.1	11.6
17	19.8	19.5	19.6	17.5	17.1	17.4	15.1	14.7	14.9	12.1	11.5	11.8
18	19.7	19.3	19.5	17.5	17.0	17.3	14.8	14.2	14.4	12.4	11.9	12.2
19	19.5	19.4	19.5	17.4	16.9	17.2	15.2	8.6	9.7	12.6	11.7	12.2
20	19.5	18.5	19.0	17.4	16.4	17.1	9.8	9.3	9.6	13.0	12.6	12.8
21	18.5	18.0	18.3	16.6	16.2	16.4	10.2	9.6	9.9	12.6	12.1	12.4
22	18.3	18.1	18.3	16.6	16.1	16.4	10.1	9.3	9.7	12.5	11.8	12.2
23	18.7	17.8	18.2	16.3	15.8	16.0	10.2	9.8	10.0	12.9	12.2	12.6
24	18.7	17.8	18.4	16.0	15.5	15.8	10.2	9.7	10.0	13.0	12.2	12.7
25	17.8	17.1	17.4	15.8	15.2	15.5	11.0	10.0	10.4	13.3	12.7	13.0
26	18.0	17.2	17.6	15.8	15.4	15.7	11.5	10.8	11.1	13.6	12.9	13.3
27	18.3	17.7	18.0	15.4	14.8	15.0	11.5	10.8	11.2	13.7	13.2	13.5
28	18.3	17.7	18.1	14.9	14.6	14.8	12.3	11.3	11.7	13.6	12.8	13.2
29	18.4	17.8	18.1	14.9	14.5	14.8	13.1	12.3	12.7	12.9	11.8	12.2
30	18.4	17.9	18.3	15.1	14.6	14.9	12.9	11.7	12.2	12.4	11.5	11.9
31	18.4	18.1	18.3	---	---	---	12.3	11.9	12.1	13.1	12.2	12.6
MONTH	21.2	17.1	19.2	18.3	14.0	16.1	15.7	8.6	13.1	13.7	2.0	11.2

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1991											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	14.3	13.0	13.5	15.0	14.5	14.8	16.1	13.3	14.5	18.4	14.1	16.1
2	14.5	13.0	13.8	15.9	14.6	15.1	17.0	13.6	15.0	17.6	14.5	15.9
3	15.0	13.8	14.3	15.4	14.1	14.8	16.0	12.8	14.4	17.7	14.4	15.9
4	15.2	13.7	14.4	15.2	11.2	13.4	16.9	13.3	15.1	19.6	14.4	16.6
5	14.8	13.4	14.3	12.2	10.9	11.6	16.9	13.2	15.1	20.5	15.5	17.8
6	15.5	14.4	14.8	11.8	10.5	11.1	17.6	13.6	15.5	20.1	15.9	18.0
7	14.9	14.2	14.5	11.1	8.8	10.1	17.2	14.1	15.4	22.1	16.8	19.3
8	16.1	14.6	15.2	10.0	8.1	9.1	16.0	13.0	14.5	21.9	17.1	19.5
9	15.6	14.3	15.0	9.9	7.8	8.9	15.3	12.2	13.5	20.8	17.3	18.9
10	15.7	14.3	15.1	10.7	8.2	9.6	15.3	11.4	13.2	19.4	16.4	17.7
11	15.8	14.7	15.3	11.3	9.6	10.3	11.9	8.5	10.7	18.8	15.4	17.0
12	16.1	15.3	15.7	11.5	9.1	10.4	11.0	8.4	9.7	20.2	15.5	17.7
13	16.1	15.2	15.7	12.1	9.6	11.0	11.9	8.9	10.3	21.1	16.9	19.0
14	16.4	15.1	15.8	12.4	11.0	11.5	13.1	9.3	11.1	19.7	16.5	18.2
15	16.0	14.9	15.6	11.4	10.9	11.1	15.7	10.6	12.9	20.8	16.7	18.6
16	16.3	15.7	16.0	13.1	10.6	11.6	16.5	12.2	14.1	21.5	17.5	19.4
17	16.2	15.6	15.9	13.8	11.1	12.2	16.6	12.8	14.5	20.8	18.3	19.6
18	15.6	11.7	13.5	14.7	11.7	13.1	16.6	13.3	14.8	20.0	17.1	18.5
19	12.0	11.0	11.5	13.4	12.7	13.1	16.7	12.8	14.9	20.5	17.4	18.9
20	12.8	11.3	12.0	14.3	12.0	13.0	18.0	13.6	15.4	20.5	17.7	19.1
21	12.6	11.4	11.9	14.2	12.8	13.4	17.3	13.1	15.0	20.1	17.9	19.1
22	12.7	11.2	11.9	15.1	12.3	13.5	17.3	13.2	15.1	19.3	17.8	18.7
23	13.8	12.4	13.0	15.8	13.2	14.4	18.0	13.6	15.6	20.1	17.9	18.9
24	14.6	13.0	13.6	16.2	14.1	15.3	18.2	14.1	16.0	21.0	18.9	19.9
25	14.5	12.6	13.6	15.8	14.3	14.9	16.5	14.2	15.5	21.2	19.7	20.6
26	14.8	13.3	14.1	14.2	12.4	13.5	17.1	13.5	15.0	20.9	19.6	20.4
27	14.9	13.4	14.3	13.6	12.1	12.9	14.6	13.3	13.9	20.4	19.0	19.8
28	15.5	14.9	15.1	---	---	---	15.6	11.6	13.5	20.2	18.6	19.5
29	---	---	---	16.6	12.9	14.7	16.5	12.2	14.2	20.4	19.1	19.8
30	---	---	---	13.9	10.7	12.3	17.3	13.0	15.1	20.0	18.7	19.4
31	---	---	---	15.5	11.7	13.5	---	---	---	19.5	18.2	18.8
MONTH	16.4	11.0	14.3	---	---	---	18.2	8.4	14.1	22.1	14.1	18.6

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	18.8	18.1	18.5	22.8	20.5	21.7	24.2	21.2	22.6	21.7	20.5	21.1
2	19.7	18.0	18.7	23.2	21.1	22.2	23.9	21.1	22.5	24.7	19.8	21.9
3	20.7	18.9	19.7	23.5	21.5	22.5	23.4	21.5	22.5	24.1	20.3	22.4
4	21.0	20.0	20.6	23.6	21.6	22.6	22.7	21.4	22.2	23.9	20.9	22.2
5	21.1	20.1	20.7	23.4	21.8	22.7	22.2	21.2	21.8	22.0	20.4	21.3
6	21.2	19.7	20.5	25.1	21.5	22.9	22.7	21.0	21.8	22.3	19.9	20.8
7	21.4	19.9	20.7	25.1	20.7	22.6	22.6	20.8	21.8	21.3	19.5	20.4
8	21.5	20.1	20.9	25.6	20.8	23.0	23.1	21.4	22.3	23.5	19.4	21.1
9	21.6	20.3	21.0	23.3	20.5	21.9	23.1	21.6	22.5	22.1	18.9	20.3
10	21.7	20.5	21.2	24.6	20.2	22.2	22.8	21.4	22.0	21.3	18.9	19.8
11	21.5	20.6	21.1	23.3	20.7	22.1	21.8	21.1	21.5	20.8	18.5	19.5
12	21.6	20.2	21.0	23.6	20.9	22.3	25.2	20.0	22.6	21.7	18.0	19.6
13	21.4	20.2	21.0	24.5	20.5	22.5	24.9	21.0	22.9	21.5	18.3	19.8
14	21.4	20.1	20.8	23.7	21.1	22.6	23.5	21.5	22.6	21.6	18.5	19.9
15	23.4	20.2	21.3	24.5	21.1	22.7	23.0	21.2	22.1	22.0	18.5	19.9
16	23.2	19.6	21.2	24.7	20.7	22.7	23.3	20.8	22.0	21.7	16.8	19.1
17	22.9	19.9	21.3	24.3	21.5	23.0	22.5	21.1	21.9	21.9	16.9	19.3
18	22.5	19.9	21.4	24.3	21.4	22.9	22.2	20.9	21.6	22.3	17.6	19.8
19	22.7	20.2	21.5	22.8	21.1	22.0	23.7	20.5	22.0	22.0	18.0	20.1
20	22.2	19.6	20.9	21.7	20.6	21.1	23.9	21.2	22.6	22.2	18.5	20.3
21	22.1	19.6	20.8	23.4	20.6	21.9	23.8	21.4	22.7	22.1	18.4	20.2
22	22.1	19.4	20.7	24.1	21.1	22.5	23.0	21.6	22.3	21.4	19.4	20.3
23	22.0	19.7	20.8	24.5	21.0	22.7	23.1	21.2	22.2	22.2	18.9	20.4
24	21.0	19.4	20.3	23.8	21.1	22.5	23.6	21.1	22.4	21.7	18.5	20.2
25	20.5	18.9	19.7	23.8	20.4	22.2	23.5	21.4	22.5	21.4	18.3	19.9
26	20.6	19.1	19.8	23.8	20.1	21.9	23.4	21.5	22.5	21.4	18.6	20.0
27	20.0	18.8	19.5	26.1	19.9	22.9	22.7	21.7	22.3	20.6	18.8	19.9
28	21.2	19.1	20.0	26.3	20.5	23.3	23.5	21.1	22.1	20.1	18.8	19.5
29	21.3	19.5	20.4	24.5	20.1	22.5	24.4	20.8	22.4	20.9	18.6	19.5
30	22.1	19.7	20.9	24.9	21.4	23.0	23.4	20.6	22.1	20.9	18.8	19.8
31	---	---	---	22.9	21.3	22.4	22.3	20.7	21.4	---	---	---
MONTH	23.4	18.0	20.6	26.3	19.9	22.5	25.2	20.0	22.2	24.7	16.8	20.3

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	21.0	18.9	19.9	15.4	14.4	14.9	13.0	12.3	12.6	13.3	12.6	13.0
2	20.8	18.7	19.8	15.9	14.9	15.4	12.5	10.8	11.5	12.8	12.0	12.4
3	20.4	18.3	19.5	15.5	14.6	15.1	11.7	10.9	11.3	12.5	12.1	12.3
4	20.2	18.3	19.3	15.6	14.6	15.2	12.2	11.3	11.8	13.5	12.3	12.8
5	19.5	17.7	18.8	16.0	15.1	15.6	12.3	11.5	11.9	14.3	11.3	12.7
6	19.6	17.7	18.8	16.3	15.5	16.0	12.5	11.6	12.1	13.0	11.6	12.3
7	19.1	17.5	18.5	16.6	15.9	16.3	12.5	11.8	12.1	13.1	10.2	12.4
8	19.7	17.9	18.9	16.8	16.1	16.5	13.8	12.4	13.0	12.1	10.1	10.9
9	19.9	18.5	19.3	16.9	16.3	16.7	14.3	13.6	13.9	12.4	11.4	11.9
10	19.8	18.4	19.2	18.2	16.8	17.4	14.7	14.2	14.4	12.2	7.2	8.6
11	19.6	18.2	19.1	17.8	16.4	17.1	14.9	14.5	14.8	8.5	6.2	7.6
12	19.4	18.1	18.9	17.9	16.1	16.8	15.1	14.7	14.9	10.2	8.6	9.3
13	19.7	18.4	19.1	16.7	14.8	15.9	14.7	13.8	14.1	10.8	9.1	10.0
14	19.5	18.1	19.0	17.1	16.1	16.5	14.2	13.8	14.0	11.3	10.0	10.6
15	19.4	18.0	18.8	16.5	14.9	15.8	14.2	7.4	10.3	11.9	10.6	11.3
16	19.0	17.4	18.3	15.4	14.5	14.9	9.8	8.4	9.2	12.0	10.8	11.5
17	18.9	17.5	18.4	15.5	14.1	14.6	11.9	9.9	11.1	12.4	11.2	11.9
18	19.1	17.7	18.5	14.7	13.2	14.1	12.5	11.7	12.0	13.1	12.3	12.6
19	18.7	17.5	18.3	14.7	13.6	14.2	13.7	12.3	12.9	13.0	11.9	12.5
20	18.9	17.8	18.4	14.9	13.1	14.0	12.7	10.2	11.5	13.3	12.2	12.8
21	18.5	17.3	18.1	15.3	13.8	14.7	13.4	10.4	12.3	13.6	12.6	13.2
22	18.7	17.7	18.2	15.2	13.4	14.4	13.3	7.1	9.8	13.6	13.0	13.4
23	18.0	17.5	17.8	13.3	11.8	12.6	8.6	7.3	7.9	13.4	12.5	13.1
24	17.6	16.7	17.2	13.8	12.3	13.0	8.6	6.4	7.4	13.4	12.1	12.8
25	17.6	16.6	17.1	14.4	13.3	13.9	8.8	7.7	8.2	13.9	12.6	13.3
26	17.4	16.5	17.0	14.6	13.4	14.1	9.9	8.5	9.2	14.3	13.4	13.9
27	17.0	16.3	16.7	14.6	13.0	13.9	10.9	9.6	10.2	14.4	13.5	14.0
28	16.2	15.2	15.6	14.9	14.0	14.6	12.4	10.6	11.6	14.3	13.3	14.0
29	15.3	14.6	15.0	14.0	12.9	13.4	13.2	12.1	12.7	14.4	13.4	14.0
30	15.2	14.6	15.1	13.9	12.4	13.1	13.4	12.6	13.0	14.6	13.4	13.9
31	14.8	13.8	14.3	---	---	---	13.4	12.9	13.2	14.6	13.4	14.1
MONTH	21.0	13.8	18.1	18.2	11.8	15.0	15.1	6.4	11.8	14.6	6.2	12.2

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	14.8	13.8	14.3	13.9	12.5	13.1	13.9	12.4	13.1	22.0	17.3	19.4
2	15.3	14.2	14.6	14.4	13.0	13.7	14.6	11.9	13.1	22.1	17.4	19.5
3	14.9	12.8	13.7	14.8	13.2	13.9	15.5	12.5	13.8	22.0	18.0	20.0
4	13.0	11.0	12.1	13.7	12.7	13.2	16.4	13.1	14.6	21.4	18.5	20.0
5	12.0	10.4	11.2	13.4	11.9	12.8	16.7	13.5	14.9	21.2	18.9	19.9
6	12.5	11.3	11.9	13.0	11.0	12.1	16.3	13.5	14.7	20.1	16.0	19.1
7	12.6	11.9	12.3	12.8	9.9	11.2	16.9	13.7	15.1	21.3	17.4	19.1
8	13.7	12.5	13.0	11.5	9.7	10.6	17.6	14.3	15.8	21.2	18.3	19.8
9	15.0	13.0	13.9	10.2	9.1	9.9	17.9	14.8	16.2	21.4	18.9	20.0
10	14.6	13.3	13.9	12.2	8.3	10.2	---	---	---	20.7	17.8	19.1
11	14.2	13.3	13.8	13.1	9.5	11.3	18.2	15.0	16.4	21.4	18.2	19.6
12	13.9	12.7	13.4	13.6	9.9	11.8	18.7	15.3	16.8	21.8	18.3	19.8
13	14.0	13.0	13.4	14.3	10.6	12.5	18.2	15.8	17.0	22.1	18.0	19.9
14	14.6	12.6	13.5	14.8	11.4	13.3	17.6	15.1	16.4	22.2	18.0	19.9
15	12.4	10.8	11.4	15.2	12.3	13.9	17.9	15.1	16.4	22.6	17.9	19.9
16	10.8	9.6	10.2	15.0	12.0	13.5	18.6	15.3	16.7	21.8	18.1	19.9
17	9.6	8.2	9.1	14.1	12.1	13.1	18.8	15.7	17.2	21.8	18.5	20.2
18	9.8	7.4	8.5	13.6	11.1	12.1	17.7	15.3	16.4	21.7	18.7	20.1
19	10.0	7.7	8.9	13.2	9.9	11.5	15.8	13.4	14.7	22.1	19.1	20.5
20	11.3	9.0	10.1	13.8	9.6	11.6	16.9	12.8	14.6	19.8	18.0	19.1
21	12.5	10.7	11.5	13.6	10.3	12.0	17.6	13.8	15.6	19.8	18.4	19.2
22	13.9	11.4	12.5	13.4	11.4	12.4	18.0	15.4	16.6	20.2	18.1	19.2
23	14.1	11.7	12.6	13.1	11.7	12.5	19.1	15.6	17.0	20.6	18.3	19.3
24	13.9	11.4	12.6	13.5	11.5	12.5	20.0	16.3	18.0	---	---	---
25	14.4	12.4	13.2	13.9	11.2	12.7	20.5	17.3	18.7	---	---	---
26	14.4	12.1	13.0	14.4	11.7	13.0	22.2	17.6	19.5	22.2	18.5	20.1
27	12.2	11.2	11.9	13.8	12.4	13.1	22.8	17.9	20.3	21.9	18.5	20.2
28	12.6	10.8	11.8	13.9	12.3	13.1	23.4	18.1	20.3	20.1	17.2	18.9
29	13.2	11.7	12.5	14.7	12.3	13.3	23.1	18.1	20.6	17.5	16.5	17.1
30	---	---	---	14.8	12.8	13.8	22.6	18.6	20.3	20.3	16.9	18.7
31	---	---	---	14.6	13.1	13.8	---	---	---	23.6	18.1	20.7
MONTH	15.3	7.4	12.2	15.2	8.3	12.5	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	21.7	18.7	20.1	23.2	17.9	20.3	25.5	20.3	22.5	22.1	18.8	20.2
2	22.0	18.3	20.2	24.7	17.5	20.9	25.9	20.3	22.9	21.8	19.4	20.6
3	23.2	19.6	21.2	24.3	18.5	21.3	25.1	21.0	22.6	21.9	19.7	20.8
4	23.7	19.3	21.4	25.4	19.5	22.0	25.0	20.4	22.3	21.7	19.0	20.1
5	23.6	19.4	21.1	25.8	20.2	22.8	22.0	20.4	21.1	22.8	18.3	20.2
6	23.4	19.0	20.8	25.8	20.1	22.8	22.8	20.3	21.3	23.0	18.9	20.6
7	22.8	18.4	20.3	22.9	20.4	21.6	25.0	19.8	22.0	23.1	18.7	20.4
8	23.0	18.0	20.1	24.7	20.5	22.1	24.4	20.3	22.3	23.5	18.5	20.8
9	23.3	18.9	20.9	24.1	19.8	21.9	24.6	21.1	22.7	23.8	18.6	21.0
10	22.4	19.5	21.0	22.7	20.5	21.6	24.9	21.6	23.2	23.5	18.3	20.9
11	24.3	18.5	21.0	23.9	20.0	21.7	24.9	22.1	23.2	22.8	18.0	20.5
12	23.9	18.5	20.6	23.6	20.7	21.8	25.2	21.0	23.0	22.8	18.6	20.5
13	22.6	17.9	19.7	24.4	19.8	21.9	25.1	21.8	23.4	23.8	19.3	21.0
14	21.9	16.7	18.8	25.0	19.9	22.2	24.5	21.8	23.1	23.1	19.5	21.0
15	22.8	16.1	19.0	24.5	20.2	22.0	25.3	21.9	23.4	21.3	19.1	20.1
16	22.4	16.3	19.1	24.4	20.2	22.3	24.7	22.1	23.2	21.1	18.7	19.9
17	23.6	17.2	20.4	25.3	20.8	22.9	24.1	21.0	22.6	23.9	19.8	21.3
18	24.5	17.5	20.9	24.9	20.5	22.5	25.3	21.3	23.0	21.1	19.5	20.1
19	25.1	18.5	21.6	25.4	20.0	22.5	24.7	21.2	22.8	21.2	17.4	18.9
20	25.2	19.1	21.9	24.7	20.1	22.2	24.5	20.5	22.0	20.7	18.1	19.3
21	24.4	18.6	21.4	25.1	19.9	22.2	23.2	20.1	21.1	21.6	18.3	19.9
22	25.0	19.6	22.1	25.2	20.2	22.4	20.7	19.5	20.3	22.4	18.6	20.3
23	23.2	19.7	21.4	23.9	20.4	22.0	20.1	18.9	19.7	22.9	18.2	20.4
24	23.7	19.2	21.4	22.4	20.8	21.7	22.9	18.7	20.5	21.3	19.1	20.3
25	24.2	19.1	21.2	23.3	20.3	21.6	22.2	19.1	20.4	20.8	18.5	19.8
26	24.6	18.2	21.3	23.8	21.0	22.4	21.4	18.9	20.3	19.6	16.8	18.4
27	25.4	18.9	22.2	25.0	21.1	23.0	22.9	19.4	21.0	19.3	16.8	18.2
28	25.5	19.8	22.5	24.7	22.3	23.3	23.0	19.6	21.1	20.4	17.4	18.7
29	22.8	19.5	20.9	24.3	21.1	22.7	22.6	19.7	21.1	20.6	17.2	18.8
30	24.0	18.2	20.6	24.4	21.3	22.6	21.1	19.4	20.3	20.8	17.4	19.0
31	---	---	---	24.4	20.7	22.2	20.5	18.9	19.8	---	---	---
MONTH	25.5	16.1	20.8	25.8	17.5	22.1	25.9	18.7	21.9	23.9	16.8	20.1

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	21.1	17.6	19.2	16.9	11.2	14.3	9.1	5.8	7.7	6.7	3.7	5.5
2	20.9	16.7	18.6	14.9	13.3	14.2	9.9	6.8	8.5	3.7	2.3	2.8
3	20.4	16.2	18.2	13.9	10.8	12.2	13.9	6.8	9.8	2.8	1.5	2.2
4	20.6	16.4	18.3	11.8	9.4	10.7	11.1	5.6	8.1	2.3	1.4	1.8
5	20.9	17.0	18.8	13.1	11.4	12.2	7.7	5.3	6.6	3.3	1.6	2.9
6	21.2	17.7	19.0	14.1	12.1	13.0	6.4	4.0	5.3	5.0	2.8	4.3
7	19.1	15.3	17.2	14.6	7.4	11.9	14.6	3.4	5.8	7.1	5.0	6.0
8	18.9	14.8	16.9	15.1	10.4	12.6	5.4	3.4	4.4	7.6	5.6	6.7
9	19.2	14.9	17.1	16.8	10.7	14.4	6.6	5.2	5.7	7.8	5.4	7.0
10	20.7	16.7	18.4	16.4	9.6	12.9	8.5	6.6	7.7	6.4	5.2	5.9
11	20.5	16.5	18.5	12.3	8.0	9.7	8.7	8.0	8.4	6.3	4.6	5.6
12	19.9	16.3	18.1	12.9	8.7	10.5	11.3	8.0	9.8	5.3	3.7	4.4
13	19.8	15.9	18.0	13.9	9.4	11.2	10.0	9.0	9.6	4.8	4.3	4.5
14	20.6	16.9	18.6	14.4	10.1	11.8	9.9	8.1	9.1	5.1	4.7	5.0
15	20.2	16.7	18.3	15.2	10.9	12.5	9.2	7.4	8.2	5.8	5.1	5.6
16	19.7	17.3	18.3	15.8	11.5	13.1	8.6	6.7	7.6	---	---	---
17	20.0	16.5	18.3	16.0	11.3	13.1	9.1	7.6	8.2	---	---	---
18	19.4	16.5	18.0	16.0	11.5	13.5	11.0	8.0	10.2	---	---	---
19	19.7	17.6	18.7	15.6	10.5	13.1	10.9	9.9	10.4	---	---	---
20	19.6	16.4	18.2	13.6	9.3	11.1	10.3	9.0	9.7	---	---	---
21	19.6	17.1	18.5	11.6	7.4	9.5	11.0	9.7	10.3	---	---	---
22	20.1	17.2	18.6	14.4	8.6	11.1	10.5	9.6	10.1	---	---	---
23	20.3	17.5	18.8	11.7	8.0	9.8	10.7	9.4	10.0	---	---	---
24	19.9	18.1	18.7	10.1	6.8	8.1	9.9	7.9	9.0	---	---	---
25	18.8	15.6	17.1	8.8	5.7	7.2	9.6	8.9	9.3	---	---	---
26	17.6	15.6	16.5	9.1	5.6	7.1	9.6	7.6	8.7	---	---	---
27	19.7	14.4	17.3	10.0	5.3	7.4	11.8	8.9	10.3	---	---	---
28	18.0	15.7	16.7	9.0	6.1	7.5	13.6	11.5	12.4	---	---	---
29	18.1	14.8	16.8	10.2	5.5	7.5	14.5	13.3	13.9	---	---	---
30	17.5	13.6	16.3	9.2	5.8	7.5	15.0	9.2	13.3	---	---	---
31	17.3	12.9	14.7	---	---	---	9.2	1.6	5.4	---	---	---
MONTH	21.2	12.9	17.9	16.9	5.3	11.0	15.0	1.6	8.8	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	4440	3940	4170
3	---	---	---	---	---	---	---	---	---	3940	2820	3480
4	---	---	---	---	---	---	---	---	---	2820	2670	2700
5	---	---	---	---	---	---	---	---	---	2710	2680	2700
6	---	---	---	---	---	---	---	---	---	2740	2710	2720
7	---	---	---	---	---	---	---	---	---	2760	2730	2750
8	---	---	---	---	---	---	---	---	---	3080	2750	2870
9	---	---	---	---	---	---	---	---	---	3430	3080	3330
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	980	940	952	---	---	---
2	4460	4430	4450	---	---	---	1070	980	1030	---	---	---
3	4450	4410	4430	---	---	---	1040	750	842	---	---	---
4	4420	4380	4400	---	---	---	750	720	730	---	---	---
5	4380	4350	4370	---	---	---	760	620	708	---	---	---
6	4350	4320	4340	---	---	---	---	---	---	---	---	---
7	4330	4290	4310	---	---	---	---	---	---	---	---	---
8	4290	4260	4280	---	---	---	---	---	---	---	---	---
9	4270	4240	4260	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	3340	1440	2520	---	---	---	---	---	---
30	---	---	---	2420	870	1450	---	---	---	---	---	---
31	---	---	---	940	900	924	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	4720	4680	4700	---	---	---	---	---	---
8	---	---	---	4690	4620	4660	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	4550	4450	4510	---	---	---
14	---	---	---	---	---	---	4530	4470	4490	---	---	---
15	---	---	---	---	---	---	4520	4400	4490	---	---	---
16	---	---	---	---	---	---	4490	4430	4460	4290	3690	4090
17	---	---	---	---	---	---	4480	4440	4460	3690	3140	3340
18	---	---	---	---	---	---	---	---	---	3140	3050	3080
19	---	---	---	---	---	---	---	---	---	3050	3010	3020
20	---	---	---	---	---	---	---	---	---	3020	2990	3010
21	---	---	---	---	---	---	---	---	---	3030	3000	3010
22	---	---	---	---	---	---	---	---	---	3050	3020	3040
23	---	---	---	---	---	---	---	---	---	3060	3040	3050
24	---	---	---	---	---	---	---	---	---	3080	3050	3060
25	---	---	---	---	---	---	---	---	---	3080	3060	3070
26	---	---	---	---	---	---	---	---	---	3090	3060	3080
27	---	---	---	---	---	---	---	---	---	3080	3030	3060
28	---	---	---	---	---	---	---	---	---	3070	3020	3050
29	---	---	---	---	---	---	---	---	---	3050	2990	3030
30	---	---	---	---	---	---	---	---	---	3040	2990	3030
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	3040	2980	3020	3950	3890	3910	3930	3770	3860	---	---	---
2	3040	2980	3020	3980	3910	3950	4040	3930	3970	---	---	---
3	3040	2970	3010	4020	3960	4000	4030	3970	4000	---	---	---
4	3030	2970	3020	4050	4000	4020	4070	4020	4040	---	---	---
5	3050	2990	3030	4090	4030	4060	4140	4070	4120	---	---	---
6	3060	2990	3030	4150	4080	4130	4180	4140	4160	---	---	---
7	3080	3000	3050	4210	4150	4190	4170	4080	4140	---	---	---
8	3080	3010	3050	4260	4210	4240	4090	3920	4010	---	---	---
9	3080	3030	3060	4320	4260	4290	3920	3860	3890	---	---	---
10	3100	3040	3080	4550	4300	4440	3890	3860	3870	---	---	---
11	3120	3060	3100	4540	4520	4530	4050	3890	3970	---	---	---
12	3140	3080	3110	4530	4490	4510	4120	4040	4080	---	---	---
13	3140	3090	3130	4520	4480	4500	4150	4100	4120	---	---	---
14	3180	3120	3150	4490	4430	4470	4240	4150	4210	---	---	---
15	3200	3140	3180	4500	4370	4430	4460	4170	4330	---	---	---
16	3240	3180	3210	4510	4470	4490	4240	3900	4040	---	---	---
17	3260	3200	3230	4640	3890	4370	3900	3680	3790	---	---	---
18	3280	3230	3260	4230	3890	4110	3680	3410	3530	---	---	---
19	3320	3270	3300	4200	3540	3800	3410	3260	3330	---	---	---
20	3340	3300	3320	3540	3450	3480	3260	3110	3180	---	---	---
21	3390	3340	3370	3460	3450	3450	3110	3020	3060	---	---	---
22	3420	3370	3390	3480	3460	3470	3020	2480	2810	---	---	---
23	3470	3410	3430	3500	3480	3490	2480	1730	2040	---	---	---
24	3540	3470	3500	3510	3500	3500	1730	1500	1560	---	---	---
25	3600	3530	3560	3520	3510	3510	1500	1460	1480	---	---	---
26	3680	3600	3640	3540	3520	3530	1460	1330	1380	---	---	---
27	3760	3680	3710	3550	3530	3540	1530	1380	1440	---	---	---
28	3810	3750	3790	3570	3540	3550	1760	1530	1640	---	---	---
29	3850	3800	3830	3640	3540	3580	1920	1760	1860	---	---	---
30	3910	3840	3870	3770	3640	3720	---	---	---	---	---	---
31	3940	3860	3910	---	---	---	---	---	---	---	---	---
MONTH	3940	2970	3300	4640	3450	3980	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	2670	2210	2380
27	---	---	---	---	---	---	---	---	---	3160	2670	2920
28	---	---	---	---	---	---	---	---	---	3160	1310	2010
29	---	---	---	---	---	---	---	---	---	2020	1420	1660
30	---	---	---	---	---	---	---	---	---	2720	1980	2320
31	---	---	---	---	---	---	---	---	---	1980	1480	1630
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1700	1400	1530	4380	4300	4340	4060	3820	3970	---	---	---
2	2340	1700	2030	4300	4210	4270	4220	4030	4140	---	---	---
3	2920	2340	2660	4220	4190	4200	4390	4220	4320	---	---	---
4	3290	2920	3080	4230	4160	4200	4520	4380	4470	---	---	---
5	3450	3290	3390	4200	4140	4170	4570	4480	4530	---	---	---
6	3690	3450	3600	4220	4110	4150	4650	4570	4620	---	---	---
7	3830	3630	3780	4150	4090	4130	4700	4640	4670	---	---	---
8	3910	3800	3870	4140	4090	4110	4690	2030	3670	---	---	---
9	4030	3910	3980	4860	1820	3400	2570	1960	2270	---	---	---
10	4140	4030	4080	3390	2220	2910	3070	2340	2640	---	---	---
11	4210	4130	4170	3980	1750	2990	3210	2830	2980	---	---	---
12	4310	4180	4260	2980	2250	2600	3360	1970	2630	---	---	---
13	4370	4280	4330	3930	2910	3560	2800	2300	2580	---	---	---
14	4410	4350	4380	4220	3050	3950	3200	2260	3010	---	---	---
15	4400	4360	4380	3690	3070	3520	2360	2080	2230	---	---	---
16	4410	4360	4380	3730	3090	3400	2770	2310	2570	---	---	---
17	4390	4340	4360	3630	3450	3550	2850	2710	2780	---	---	---
18	4390	4340	4360	3760	3500	3680	3050	2850	2970	---	---	---
19	4390	4330	4350	3920	3760	3860	3030	2740	2930	---	---	---
20	4380	4330	4350	4130	3920	4040	3260	2990	3130	---	---	---
21	4390	4320	4350	4280	4130	4230	3320	3250	3280	---	---	---
22	4420	4350	4370	4390	4280	4330	3250	1700	2240	---	---	---
23	4390	4360	4370	4410	4280	4370	2490	1260	1750	---	---	---
24	4400	4330	4350	4280	956	2010	2950	1370	2460	---	---	---
25	4410	4320	4360	2530	2050	2250	1580	1170	1320	---	---	---
26	4360	4310	4340	2370	1910	2180	1210	960	1040	---	---	---
27	4330	4280	4310	2480	1830	2020	1070	1040	1050	---	---	---
28	4320	4260	4280	2780	1680	2170	1080	1050	1060	---	---	---
29	4380	4250	4300	2780	1970	2410	1050	940	1000	---	---	---
30	4410	4340	4370	3410	2780	3140	940	830	885	---	---	---
31	---	---	---	3840	3080	3590	950	740	840	---	---	---
MONTH	4420	1400	3960	4860	956	3480	4700	740	2710	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	3760	2720	3330	---	---	---	1880	1160	1480
2	---	---	---	2900	2570	2710	---	---	---	---	---	---
3	---	---	---	2850	1740	2240	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	4560	4530	4540	---	---	---	---	---	---	---	---	---
13	4530	4490	4520	---	---	---	3230	2990	3140	---	---	---
14	4500	4460	4480	---	---	---	3250	2980	3160	---	---	---
15	4490	4450	4470	---	---	---	3360	2980	3120	---	---	---
16	4470	4420	4450	---	---	---	3580	2980	3170	---	---	---
17	4440	4410	4420	---	---	---	3840	3500	3680	---	---	---
18	4420	4390	4410	---	---	---	3750	3470	3620	---	---	---
19	4400	4370	4380	---	---	---	4010	3630	3830	---	---	---
20	4390	4360	4370	---	---	---	4110	3990	4040	---	---	---
21	4380	4350	4370	---	---	---	4420	4110	4290	---	---	---
22	4360	4340	4350	---	---	---	4520	4420	4480	---	---	---
23	4340	4310	4320	---	---	---	4540	4490	4510	---	---	---
24	4410	4310	4380	---	---	---	4540	4520	4530	---	---	---
25	4430	1300	2900	---	---	---	4540	4510	4530	---	---	---
26	3120	1910	2530	---	---	---	4510	4420	4450	---	---	---
27	3740	3120	3490	---	---	---	4450	4410	4440	---	---	---
28	3880	3740	3820	---	---	---	4430	4350	4390	---	---	---
29	3980	3880	3920	---	---	---	4440	4410	4420	---	---	---
30	3980	3000	3310	---	---	---	4410	2700	4200	---	---	---
31	3670	3300	3490	---	---	---	2790	1220	1770	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN 20...	1615	199	10.71	--	8.1	8.5	15.0
MAY 05...	1500	207	48.18	4420	8.1	31.5	24.0
JUL 05...	0930	219	48.23	4800	7.8	34.5	21.5
27...	0800	239	48.31	4300	--	29.0	21.0
31...	1200	236	48.30	4300	7.9	35.5	24.0

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JAN 20...	700	8.9	99	--	--	513	420
MAY 05...	695	9.4	97	--	--	473	388
JUL 05...	695	7.6	95	K2	28	481	394
27...	703	8.0	99	--	--	--	--
31...	702	7.4	97	--	--	432	354

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT											
22...	1500	212	48.24	4820	8.1	15.0	18.0	--	--	--	--
FEB											
01...	1230	202	48.16	4350	8.1	7.5	13.5	--	--	714	9.5
MAR											
28...	1045	322	48.60	3520	7.9	10.5	12.5	410	1.20	700	9.7
MAY											
23...	1745	221	48.21	4650	--	30.0	23.0	35	--	--	--
JUL											
05...	1735	226	48.17	4600	8.0	35.0	25.5	--	--	698	7.2
SEP											
13...	1050	263	48.40	3910	7.9	35.0	20.0	--	--	704	8.5
15...	1200	239	48.26	4460	7.8	28.5	19.0	--	--	705	8.3

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E.COLI MTEC,MF WATER WHOLE TOTAL (COL / 100 ML) (31648)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)
OCT											
22...	--	--	--	--	--	456	374	--	--	--	--
FEB											
01...	97	--	--	378	461	--	--	--	--	--	--
MAR											
28...	100	--	--	--	--	434	355	1160	1010	94	95
MAY											
23...	--	K3	K2	--	--	--	--	--	--	--	--
JUL											
05...	97	--	--	--	--	432	354	--	--	--	--
SEP											
13...	103	--	--	--	--	--	--	--	--	--	--
15...	98	--	--	--	--	364	298	5850	3780	--	--

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT											
22...	--	--	--	--	--	--	--	--	--	--	--
FEB											
01...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	97	99	--	--	--	--	--	--	--	--	--
MAY											
23...	--	--	--	--	--	--	--	--	--	--	--
JUL											
05...	--	--	--	--	--	--	--	--	--	--	--
SEP											
13...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	72	90	96	97	98	98	99	100	100

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV										
10...	1200	221	48.18	4570	8.1	18.0	17.5	27	704	8.7
JAN										
14...	1600	255	48.31	3530	8.2	8.0	11.0	1900	710	9.8
MAR										
22...	1430	910	49.90	1480	8.4	17.0	13.5	960	705	9.7
MAY										
24...	1120	280	48.41	3980	7.9	23.0	21.0	6900	694	7.9
JUL										
24...	1215	2300	51.63	1010	8.3	29.0	23.0	--	695	7.6
24...	1216	2300	51.63	--	--	--	23.0	--	--	--

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)
NOV										
10...	101	0	453	371	--	--	--	--	--	--
JAN										
14...	97	--	--	--	4480	3080	98	99	100	100
MAR										
22...	101	4	242	250	--	--	--	--	--	--
MAY										
24...	99	0	454	372	14900	11200	--	--	--	--
JUL										
24...	98	0	265	217	78200	486000	--	--	--	--
24...	--	--	--	--	85600	532000	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV									
10...	--	--	--	--	--	--	--	--	--
JAN									
14...	74	89	96	96	98	--	--	--	--
MAR									
22...	--	--	--	--	--	--	--	--	--
MAY									
24...	64	80	92	97	98	99	100	100	100
JUL									
24...	38	52	58	70	77	86	95	99	100
24...	39	46	55	63	74	81	91	99	100

Table 7. 09402300, Little Colorado River above the mouth near Desert View, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT										
11...	1445	231	48.22	4560	8.0	21.0	21.0	56	696	7.5
JAN										
21...	0930	--	--	690	8.3	6.0	6.0	--	--	--
24...	1315	--	--	858	--	--	6.0	--	--	--

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)
OCT									
11...	94	409	335	--	--	--	--	--	--
JAN									
21...	--	--	--	40900	50	69	93	99	100
24...	--	--	--	19800	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT									
11...	--	--	--	--	--	--	--	--	--
JAN									
21...	31	33	34	37	41	--	--	--	--
24...	40	41	43	48	56	67	85	98	100

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95

STATION DESCRIPTION

LOCATION—Lat 36°06'05", long 112°05'08", in sec. 5, T. 31 N., R .3 E. (unsurveyed), Coconino County, Hydrologic Unit 15010001, in Grand Canyon National Park, on left bank 0.2 mi upstream from Kaibab Bridge, 0.4 mi upstream from Bright Angel Creek, 4.5 mi northeast of village of Grand Canyon, 26 mi downstream from Little Colorado River, and 267 mi upstream from Hoover Dam.

DRAINAGE AREA—Approximately 141,600 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—October 1922 to current year. Prior to 1944, published as "Colorado River at Bright Angel Creek, near Grand Canyon." Gage-height records collected 1.5 mi downstream 1908–13 and published in reports of U.S. Weather Bureau.

GAGE–Water-stage recorder with supplementary water-stage recorder on right bank, 700 ft downstream (prior to October 1, 1934, supplementary gage was the only gage). Datum of both gages is 2,418.7 ft above sea level.

REMARKS—Records good. Flow completely regulated by Lake Powell, which is 104 mi upstream, since March 13, 1963. Many diversions above station for irrigation, municipal, and industrial uses.

EXTREMES FOR PERIOD OF RECORD—1922–62: Maximum discharge, 127,000 ft^3/s, July 2, 1927, gage height, 29.25 ft; minimum daily discharge, 700 ft^3/s, December 28, 1924, gage height, -0.70 ft. 1963–95: Maximum discharge, 96,200 ft^3/s, June 29, 1983, gage height, 26.26 ft; minimum daily discharge, 850 ft^3/s, January 26, 1963, gage height, -0.55 ft, result of closure of coffer dam at Glen Canyon Dam.

EXTREMES OUTSIDE PERIOD OF RECORD—Maximum discharge since at least 1884, 300,000 ft^3/s about July 8, 1884 (computed on basis of flood studies at Lees Ferry). Crest discharge of flood of June 19, 1921, was 220,000 ft^3/s, gage height, 37.5 ft, from floodmarks and from rating curve extended above 120,000 ft^3/s.

EXTREMES FOR DATA PERIOD—Maximum discharge, 34,100 ft^3/s, January 13, 1993, gage height, 15.44 ft; minimum daily discharge, 4,050 ft^3/s, October 30, 1989.

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9550	8440	11500	7820	9000	18300	10100	10900	10900	5500	18200	15900
2	5450	12000	10700	8190	9990	14100	6060	9480	6020	5490	16800	13900
3	10500	13800	7040	12100	12200	13300	9740	10900	5450	14600	16200	8010
4	9800	12400	4810	16300	8600	9840	10100	8960	5440	15100	16700	9270
5	7860	7180	6720	15200	7500	9000	10400	9930	5420	15100	14200	14000
6	10500	5360	8260	12000	9880	15100	10700	8830	13500	15100	12300	14900
7	6090	10900	9260	14700	10100	16400	9010	10200	12900	15100	17200	16900
8	5480	11900	11400	9200	10300	12200	6560	14800	14800	15200	17700	18600
9	5480	12200	12300	13500	11900	11300	5470	12400	14800	15700	18200	15600
10	5450	11400	9590	11800	11900	10600	9390	11000	9680	15300	18500	12300
11	9550	9420	8080	13100	6430	5940	11800	13000	10100	15400	18400	15000
12	11300	7030	15600	11400	5260	4840	14900	11900	14200	15400	15000	12300
13	13400	6240	14700	12700	8130	9300	14800	10300	14300	15100	11200	12400
14	14000	14000	14900	9470	9070	10900	11100	7030	15400	6230	17700	13500
15	8410	13200	14700	7320	15700	12700	8230	11900	14100	5550	16900	6160
16	4690	12300	14900	11500	15400	11500	7770	12100	14800	5780	15600	5430
17	14400	11800	11600	14500	13700	10500	12600	12600	10300	15600	18300	5400
18	16700	13300	7970	13200	10200	8300	14100	13300	10700	16000	19100	14300
19	15100	8070	13100	15400	8930	[1]4350	10500	10800	17200	15900	14600	15900
20	11000	7630	12800	14300	10600	10800	11300	6360	17600	15700	11100	15700
21	11600	10700	12600	12600	13700	11700	10700	4730	16600	15700	17000	15000
22	7390	11500	15200	7040	13500	9480	8420	8630	17300	15800	18600	15400
23	7470	9930	14300	14000	11500	12500	6000	10900	e17500	15800	17800	15800
24	10900	5240	9250	12500	11800	16300	8420	13700	17500	16300	19300	16400
25	11700	8110	6900	11900	10200	6920	9720	14000	13800	15800	18400	15400
26	10700	7620	5610	8860	7620	5080	10800	11800	13900	15700	13900	14900
27	11200	5870	8970	9080	13800	7960	10200	8850	19800	15500	9120	14900
28	10100	12400	10900	9650	17200	9860	10300	6450	17000	6050	16200	14800
29	6170	13600	13400	6790	---	12700	10400	8390	15400	5530	17200	5860
30	[1]4050	13100	13100	10100	---	14200	9710	10100	6270	5440	17800	5660
31	6470	---	12600	11600	---	14400	---	10900	---	15600	16100	---
TOTAL	292460	306640	342760	357820	304110	340370	299300	325140	392680	402070	505320	389590
MEAN	9434	10220	11060	11540	10860	10980	9977	10490	13090	12970	16300	12990
MAX	16700	14000	15600	16300	17200	18300	14900	14800	19800	16300	19300	18600
MIN	4050	5240	4810	6790	5260	4350	5470	4730	5420	5440	9120	5400
ACRE-FT	580100	608200	679900	709700	603200	675100	593700	644900	778900	797500	1002000	772800

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1989	4199050	11500	20800	4050	8329000
WY 1990	4258260	11670	19800	4050	8446000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5450	6420	8310	14000	10800	8480	5300	13600	6250	5460	18600	14800
2	8850	8760	8640	14700	10800	11100	10900	10100	5350	17900	14900	10100
3	9060	6940	6690	14700	10800	9430	13200	9790	5410	18500	14800	10700
4	9060	7220	11600	14800	10800	6450	11400	6050	12400	18600	14800	15000
5	9020	4450	11200	14900	10800	12000	11900	5490	10300	18600	14600	15100
6	8950	8090	10500	14900	10800	11600	9870	5660	12800	18600	15000	15000
7	8940	8100	11400	14900	10800	11500	11500	14700	12800	18600	14900	15700
8	8900	8940	11700	16300	10800	12100	9160	15500	15700	18400	15000	14100
9	8910	10700	9070	16400	5900	11100	11500	15400	12100	18700	15200	10200
10	8910	5950	7400	15500	5370	9870	13000	15400	10900	18700	15000	15000
11	8890	5400	11900	15000	5370	5610	13300	15500	17100	18700	14500	15000
12	8920	5370	11900	6410	11100	11500	15700	15400	17000	18500	14500	14600
13	5570	7960	12300	5570	13500	12600	15000	15400	17500	6210	15000	14700
14	5350	10400	12200	5480	12500	11100	11900	15400	17000	5520	15400	14700
15	4670	10300	6150	11200	12600	13200	8940	15500	17700	5500	15400	13600
16	8070	11000	5420	11400	13200	12500	12000	16000	11700	16900	15400	9950
17	8430	11700	5480	11500	12600	10600	9690	15500	12900	17500	15400	14900
18	8460	8950	10900	12000	11400	7080	10600	5750	20300	17500	15000	14900
19	8500	5740	12000	13500	15500	12200	11300	5410	19600	17500	13000	14600
20	8560	11800	11700	9280	16700	11500	6850	5870	19700	17500	15400	14700
21	8600	11000	11600	9160	15700	11800	6330	15100	19100	17500	15400	14900
22	8480	12900	11400	11400	14000	12400	6210	15300	17500	17500	15500	14100
23	8480	8830	11500	12000	14100	11900	9900	15300	14600	17500	15400	10600
24	8590	8960	11500	14800	12500	11400	11400	15400	9140	17600	15300	15200
25	8650	8070	11400	15700	8280	7090	9760	15300	15300	17500	15100	15500
26	8460	6870	11400	6250	12600	13300	12500	15300	17700	17400	11100	15400
27	5820	10600	11500	5380	9990	14000	9060	15300	17600	6190	15500	15200
28	5370	11700	11200	5350	7540	12200	6600	15400	17300	5500	15500	15400
29	5360	9940	6150	10200	---	10900	5060	15300	6230	5470	15500	14700
30	6520	9550	5370	10800	---	7980	10600	15300	5460	15500	15400	10600
31	7720	---	5360	10800	---	5810	---	14400	---	18600	15400	---
TOTAL	243520	262610	304840	364280	316850	330300	310430	404820	414440	469650	466900	418950
MEAN	7855	8754	9834	11750	11320	10650	10350	13060	13810	15150	15060	13960
MAX	9060	12900	12300	16400	16700	14000	15700	16000	20300	18700	18600	15700
MIN	4670	4450	5360	5350	5370	5610	5060	5410	5350	5460	11100	9950
ACRE-FT	483000	520900	604700	722500	628500	655100	615700	803000	822000	931600	926100	831000

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	4127370	11310	19800	4350	8187000
WY 1991	4307590	11800	20300	4450	8544000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13100	9620	9790	12000	12100	10200	10600	9870	8150	13700	14800	14500
2	9730	10200	9840	10300	11000	9430	11700	10700	10700	14700	15000	13800
3	9710	9900	11800	13600	9470	10500	11700	9730	12000	14900	12000	13600
4	9540	8920	11800	13700	12300	10900	11600	8720	12000	11800	15400	13100
5	9720	10500	11800	12200	12200	10800	11600	10900	12000	11000	15200	13000
6	7720	10600	11900	10400	12300	10800	9840	10900	11800	11300	15100	11000
7	8060	10400	11800	13600	12200	11100	11600	10900	11000	14900	15100	9570
8	9790	10400	11100	13700	12200	10800	11600	10800	9090	15000	15100	10700
9	9630	10500	10000	13700	11200	10000	11700	10800	11400	15400	15100	13100
10	9740	9540	11700	13900	9610	11500	11900	9840	11000	15400	11900	13400
11	9730	8800	11900	14000	12000	11200	11900	9010	11800	15200	15400	13600
12	9580	10300	11900	13100	12200	10800	11500	10600	11900	15300	15500	13500
13	8040	10500	11900	11100	12400	11100	9580	10800	11800	13200	15600	11600
14	8200	10600	11900	13600	12500	10800	11600	11000	10400	15000	15500	10100
15	9460	10600	11400	13600	12500	10200	11600	10800	8710	14600	15800	13200
16	9550	10800	10000	13700	11600	9510	11500	10600	11600	15000	15100	13600
17	9450	9930	11900	13700	10200	11000	11300	9990	11600	14700	12800	13400
18	10500	8900	11800	13700	12800	11300	11200	8880	11400	15200	15400	13200
19	9390	10800	12100	13100	12700	11400	10000	10500	11600	14100	15500	14100
20	8420	10600	12100	11000	12400	11300	8800	10600	11700	11100	15100	12800
21	8260	10500	12100	14100	12200	11400	10900	10300	10700	14800	15100	10800
22	9280	10500	11900	14200	12200	10400	11100	10300	8770	14800	14600	12700
23	9690	10500	10800	14200	11200	9580	10900	10300	12100	14900	14500	13000
24	9330	9780	12600	14600	9530	10900	11100	9470	12400	16100	12200	13100
25	9360	9080	12400	13700	11900	11100	10700	8890	12100	15200	15000	13400
26	9130	10500	10100	13200	12000	11300	8860	8950	12300	14200	14600	13300
27	9210	10600	12000	11000	12200	10900	7550	10400	12100	11400	14900	11300
28	8180	10500	12000	13300	11400	10700	9720	11000	12600	15100	14900	10300
29	9060	9070	11400	13300	11100	10300	9670	10500	11000	15100	15000	12500
30	9160	10500	10100	12900	---	9470	9600	9780	13200	15200	16200	11800
31	9810	---	11900	12700	---	10600	---	8680	---	14800	13900	---
TOTAL	289530	303940	355730	404900	339610	331290	322920	314510	338920	443100	457300	377070
MEAN	9340	10130	11480	13060	11710	10690	10760	10150	11300	14290	14750	12570
MAX	13100	10800	12600	14600	12800	11500	11900	11000	13200	16100	16200	14500
MIN	7720	8800	9790	10300	9470	9430	7550	8680	8150	11000	11900	9570
ACRE-FT	574300	602900	705600	803100	673600	657100	640500	623800	672200	878900	907100	747900

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4445820	12180	20300	5060	8818000
WY 1992	4278820	11690	16200	7550	8487000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11800	9500	10700	11900	13400	13700	10500	10600	8510	12500	15400	13800
2	9760	9170	11600	13000	13300	12700	11000	9460	10200	14900	14300	13000
3	9440	10800	11700	15700	13000	11100	11200	8240	10500	14800	15800	12300
4	8620	10800	11600	16000	12600	11100	10500	10900	9990	13300	16000	e12400
5	8080	10200	12000	15600	12700	11300	9320	11200	10400	11000	16000	e11400
6	9500	10300	11200	14700	12900	11000	11600	11300	8190	11600	15900	e10000
7	9640	10300	11200	14700	11700	10800	11200	11200	7850	14800	16000	10100
8	8870	10000	13000	16100	10500	9620	11200	11700	9990	14700	15600	11700
9	9810	8800	12400	16200	12200	10700	10900	9260	9810	14900	14400	11600
10	9380	10300	12200	15100	12700	10800	10500	8390	10200	15000	16200	11600
11	8260	10400	12200	16000	12500	10700	9550	10900	11100	14800	16000	11600
12	8220	10300	11900	24500	13000	11300	8710	11400	11200	12700	16600	10600
13	8410	10700	11500	30200	13700	11800	11300	11300	9760	15100	16200	8470
14	9690	10700	10700	25000	13800	11500	11200	11500	8730	15300	16500	11300
15	9790	10200	12200	19200	11800	10900	11300	11300	10500	15100	16100	11700
16	9740	9110	12300	16600	12900	11800	11000	9390	11200	14900	15800	12200
17	9290	10200	12300	16000	12400	12200	11500	8350	11700	15000	16400	11700
18	8050	10400	11900	14600	13000	11900	10800	10600	12000	14400	15500	11600
19	7860	10300	11500	18300	13000	11800	10400	11000	11900	12600	14900	10400
20	9270	10600	10900	18500	15300	12000	11100	10400	11000	15100	14900	8510
21	9520	10700	10200	23200	15100	11900	11400	10500	10700	15400	14200	11300
22	9580	10000	11500	25600	16100	10800	11100	9960	10900	15300	13700	11500
23	9720	8930	11200	22300	23300	12100	10800	9520	11600	15300	12600	11700
24	9780	10700	11000	17400	26600	11700	11100	9820	12000	15300	13800	11500
25	9020	10700	10800	15100	20700	11400	9400	10800	11500	14400	13900	11500
26	9070	10800	10400	16100	16500	11500	8560	8630	11300	13300	13900	9900
27	9320	9340	10800	15600	15200	11400	10700	10200	11300	15400	13900	8210
28	8640	10600	10200	14800	13500	10900	10900	9790	10500	15700	13900	11000
29	8850	10200	11100	14600	---	9910	10500	9610	11200	15900	13600	e11600
30	9030	9400	11200	14900	---	10700	10900	8530	12400	15900	11400	e11400
31	9750	---	11900	13700	---	10700	---	8480	---	15800	14400	---
TOTAL	285760	304450	355300	541200	403400	351730	320140	314230	318130	450200	463800	335590
MEAN	9218	10150	11460	17460	14410	11350	10670	10140	10600	14520	14960	11190
MAX	11800	10800	13000	30200	26600	13700	11600	11700	12400	15900	16600	13800
MIN	7860	8800	10200	11900	10500	9620	8560	8240	7850	11000	11400	8210
ACRE-FT	566800	603900	704700	1073000	800100	697700	635000	623300	631000	893000	919900	665600

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4275130	11680	16200	7550	8480000
WY 1993	4443930	12180	30200	7850	8815000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11000	7600	10600	11300	14800	12700	10400	9490	10500	14000	11700	14200
2	9690	10300	12100	12300	12800	10100	9810	7810	10300	14600	15000	11700
3	8230	12400	13600	10700	12600	10400	8890	10000	10500	13000	14900	12300
4	7840	12700	13700	14000	13200	10300	8440	10100	10100	11100	15000	10600
5	9060	12200	12200	13600	13100	10200	10000	10700	8220	10900	15000	9770
6	9250	12000	11800	14200	11600	9870	10500	10700	8040	14800	15200	10700
7	11500	9800	13900	14300	10300	8830	10700	10500	9740	14400	12900	12400
8	10700	8620	13400	14800	13600	10100	10800	8760	10100	14400	12600	11800
9	9890	12400	13800	12500	13900	10100	10900	7930	10400	14300	14700	11900
10	9860	12500	13500	10900	13700	10300	10400	10200	10600	12900	15500	11900
11	8580	11700	13100	14700	13600	10700	9240	10800	10600	11300	15300	9900
12	9190	11700	11700	14500	13300	10700	10900	10800	9940	14900	14800	9100
13	9480	11400	11100	14500	11500	10400	11000	11100	9450	15100	15300	10900
14	9340	9700	13700	14800	9950	9810	10900	11100	11700	14600	12700	11200
15	9410	9190	13900	14500	13100	10600	10900	10800	11600	14800	11500	11200
16	9130	10700	14400	12300	13500	10600	11500	10700	11300	15100	15500	11000
17	8310	11000	14500	10500	13500	10700	10500	10900	11400	13100	15200	11100
18	7950	11200	14200	13700	12900	10700	9640	11000	11300	12400	15900	9490
19	9280	10800	13400	13900	13300	10800	12000	11400	9680	14500	15600	8730
20	9210	11100	12800	14200	12000	11000	12300	11200	9090	14400	14500	11200
21	9030	9260	14400	14000	9790	10100	12100	10800	11900	14400	12700	11200
22	9160	8330	13600	12500	12900	11400	11500	8280	12200	14800	12400	11300
23	9570	10500	13900	10500	13200	12900	11200	8140	11500	14300	13800	10800
24	8390	10500	14000	9800	13100	12700	9540	10800	11400	12600	13700	11000
25	8030	10400	12600	12400	13100	12100	8780	11200	11600	11100	14100	9290
26	9430	8690	11100	13100	12900	11500	11000	9970	10200	14500	14100	8400
27	9420	10400	11700	13400	11200	10400	11200	10100	9870	14900	14100	11100
28	8760	9960	13500	13600	9830	9430	11100	9900	11100	15100	12100	10900
29	8680	8610	13000	13300	---	10800	11200	8450	11700	15600	11000	10900
30	8900	10500	11900	11300	---	10400	10900	8350	12800	15000	14300	10800
31	8770	---	12700	10900	---	9920	---	8300	---	13500	14100	---
TOTAL	285040	316160	403800	401000	352270	330560	318240	310280	318830	430400	435200	326780
MEAN	9195	10540	13030	12940	12580	10660	10610	10010	10630	13880	14040	10890
MAX	11500	12700	14500	14800	14800	12900	12300	11400	12800	15600	15900	14200
MIN	7840	7600	10600	9800	9790	8830	8440	7810	8040	10900	11000	8400
ACRE-FT	565400	627100	800900	795400	698700	655700	631200	615400	632400	853700	863200	648200

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1993	4503420	12340	30200	7600	8933000
WY 1994	4228560	11590	15900	7600	8387000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

	Discharge, in cubic feet per second, water year 1995 Daily mean values											
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10800	8240	9530	10800	12700	15200	10200	9600	14000	16600	19500	18100
2	8230	8390	10800	9220	11700	12400	9000	11000	17200	16500	19500	18900
3	8180	8280	11800	9430	10700	12300	8850	11400	16900	15900	19500	17600
4	8550	8400	10600	12600	10800	12400	10800	11300	15900	17500	19900	17500
5	8760	9070	9710	13900	9900	11800	10700	11100	16200	16100	20300	17100
6	8490	7970	12500	14200	9820	13200	11100	11100	17500	17400	20300	18900
7	8330	8020	12600	14700	11300	12900	10900	9580	17700	17900	20400	18700
8	8820	9120	12500	13100	11300	11900	10600	8700	17600	18000	20300	19600
9	8180	8770	12700	12500	11300	14500	8660	11300	17900	17600	20000	20500
10	8180	8620	13200	14100	11600	16400	8440	11100	17600	17000	19800	19300
11	9670	8580	11400	13900	11900	14000	10900	11200	16300	17800	19600	18500
12	9660	9290	10400	13800	12000	11100	10800	11100	16200	18400	19200	19200
13	8990	7740	12700	13800	10900	10600	11500	11200	17300	19800	19100	18700
14	9250	7560	12600	13200	14200	11500	11500	8870	17500	18900	19400	18700
15	9090	9130	12700	11900	15000	12400	11500	8920	17800	18300	19500	18800
16	7930	9130	13000	11000	14200	12600	9610	11100	17600	18100	19400	18200
17	7600	9380	12300	13900	15000	12100	8370	11300	17500	18200	19300	18700
18	9000	9550	10500	14200	16500	12300	11200	10900	16600	19400	19300	17900
19	9930	9070	9860	13500	17600	10300	11200	11500	16600	19400	18900	18500
20	10000	8330	11900	12600	15000	10800	11300	11300	17500	19200	19700	18500
21	9050	8190	12100	12700	14900	11400	11200	8710	17600	18400	18900	19300
22	8300	8980	10800	12500	14800	11600	11200	8470	17700	18200	18700	19000
23	8160	8990	11100	12100	14400	11500	9260	10700	17600	18400	18300	19000
24	8040	9170	11300	13300	13700	11200	8470	9990	17900	17600	18200	19000
25	8810	7980	10500	13400	13600	10600	11000	10200	17800	19200	18900	18600
26	7650	9010	9250	13600	13200	10200	11500	9930	18000	19200	18200	18700
27	7290	8500	9330	13800	12800	9440	11400	9840	17800	19200	17200	19000
28	7830	8290	11200	13200	15400	11100	11200	8410	17500	19500	15600	19200
29	8040	9390	11200	11600	---	10900	11100	8290	16900	20000	18200	19000
30	7790	9150	10700	10000	---	10700	10100	8250	16400	19900	18400	19200
31	8280	---	12100	10900	---	10500	---	10300	---	19900	18200	---
TOTAL	266880	260290	352880	393450	366220	369840	313560	316660	514600	567500	591700	561900
MEAN	8609	8676	11380	12690	13080	11930	10450	10210	17150	18310	19090	18730
MAX	10800	9550	13200	14700	17600	16400	11500	11500	18000	20000	20400	20500
MIN	7290	7560	9250	9220	9820	9440	8370	8250	14000	15900	15600	17100
ACRE-FT	529400	516300	699900	780400	726400	733600	621900	628100	1021000	1126000	1174000	1115000

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	4103610	11240	15900	7290	8140000
WY 1995	4875480	13360	20500	7290	9671000

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—October 1925 to November 1942, September 1943 to December 1987, June 1983 to December 1983, September 1985 to February 1985, October 1989, and August 1990 to April 1993.

PERIOD OF DAILY RECORD—

WATER TEMPERATURE: October 1940 to October 1942, September 1943 to September 1976, April 1983 to December 1987, and August 1990 to June 1993.

SPECIFIC CONDUCTANCE: October 1964 to March 1974, April 1983 to December 1987, and August 1990 to June 1993.

pH: August 1990 to April 1993.

DISSOLVED-OXYGEN CONCENTRATION: August 1990 to April 1993.

SUSPENDED-SEDIMENT DISCHARGE: October 1925 to November 1942, September 1943 to September 1972, June 1983 to December 1983, and September 1985 to February 1986.

INSTRUMENTATION—Water-temperature recorder, October 1952 to September 1976, April 1983 to December 1987, and August 1990 to June 1993. Specific-conductance recorder, October 1964 to March 1974, April 1983 to December 1987, and August 1990 to June 1993. pH recorder, August 1990 to April 1993. Dissolved-oxygen recorder, August 1990 to April 1993.

REMARKS—Unpublished chemical analyses, October 1930 to September 1940; daily specific conductance measurements, October 1937 to November 1942, and September 1943 to September 1964; and daily water temperatures, October 1936 to September 1940. Available from USGS office in Tucson, Arizona.

TEMPERATURE: Record good and within 0.5°C, except for October 1, 1991, to May 26, 1993, which is fair and within 1.0°C.

SPECIFIC CONDUCTANCE: Record good and within 5 percent, except for March 30, 1991, to May 15, 1991, which is fair and within 10 percent.

pH: Record good and within 0.2 units.

DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L. No record for water years 1990 and 1991.

EXTREMES FOR PERIOD OF RECORD—

WATER TEMPERATURE (April 1983 to December 1987): Maximum, 16.0°C on August 26, 1984; minimum, 5.7°C on December 24–25, 1991.

SPECIFIC CONDUCTANCE (April 1983 to December 1987): Maximum, 1,440 μS/cm, March 20, 1986; minimum, 631 μS/cm, December 22, 1986.

EXTREMES FOR DATA PERIOD—

WATER TEMPERATURE: Maximum, 15.8°C July 16, 1991; minimum, 5.7°C December 24–25, 1991.

SPECIFIC CONDUCTANCE: Maximum, 1,290 μS/cm, March 5, 1991 and October 26, 1992; minimum, 846 μS/cm, February 20–21, 1993.

pH: Maximum, 8.6 units, November 5, 1990 and February 9–14, 1991; minimum, 7.7 units, November 5, 1990.

DISSOLVED-OXYGEN CONCENTRATION: Maximum, 11.4 mg/L, January 26, 1993; minimum, 9.8 mg/L, November 27–30, 1991, May 26, 1992, and March 21 and 23, 1993.

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	11.2	10.6	10.9
2	---	---	---	---	---	---	---	---	---	11.1	10.8	11.0
3	---	---	---	---	---	---	---	---	---	11.7	10.7	11.2
4	---	---	---	---	---	---	11.5	11.0	11.3	12.1	11.5	11.8
5	---	---	---	---	---	---	11.8	11.4	11.6	12.6	11.8	12.1
6	---	---	---	---	---	---	12.3	11.5	11.9	12.0	11.5	11.7
7	---	---	---	---	---	---	11.8	11.4	11.7	11.6	10.9	11.3
8	---	---	---	---	---	---	11.8	11.1	11.5	11.5	10.8	11.2
9	---	---	---	---	---	---	11.8	10.8	11.3	11.3	10.7	11.0
10	---	---	---	---	---	---	11.3	10.7	11.1	11.6	11.1	11.4
11	---	---	---	---	---	---	11.2	10.5	10.9	11.5	11.3	11.4
12	---	---	---	---	---	---	11.2	10.9	11.0	11.5	11.2	11.4
13	---	---	---	---	---	---	11.9	11.0	11.5	11.8	11.3	11.5
14	---	---	---	---	---	---	11.9	10.6	11.3	11.7	11.3	11.5
15	---	---	---	---	---	---	10.6	10.0	10.3	12.5	11.1	11.7
16	---	---	---	---	---	---	11.3	10.4	10.8	13.0	12.4	12.6
17	---	---	---	---	---	---	11.2	10.7	11.0	13.5	12.6	13.0
18	---	---	---	---	---	---	11.9	11.1	11.4	13.8	11.5	12.6
19	---	---	---	---	---	---	12.0	11.0	11.6	11.5	10.5	11.2
20	---	---	---	---	---	---	12.4	11.0	11.9	12.0	10.5	11.0
21	---	---	---	---	---	---	12.3	11.3	11.6	11.1	10.5	10.7
22	---	---	---	---	---	---	11.5	10.6	11.1	11.7	10.4	10.9
23	---	---	---	---	---	---	11.2	10.6	10.9	11.7	10.8	11.2
24	---	---	---	---	---	---	11.2	10.5	10.9	12.0	10.9	11.4
25	---	---	---	---	---	---	11.1	10.5	10.9	12.2	10.6	11.3
26	---	---	---	---	---	---	11.3	11.1	11.2	11.3	10.6	11.0
27	---	---	---	---	---	---	12.3	11.2	11.7	11.2	10.5	10.8
28	---	---	---	---	---	---	12.2	11.5	11.8	10.8	10.3	10.6
29	---	---	---	---	---	---	11.6	10.8	11.2	11.5	10.5	10.9
30	---	---	---	---	---	---	11.8	11.0	11.3	11.9	11.2	11.5
31	---	---	---	---	---	---	11.6	10.8	11.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	13.8	10.3	11.4

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	12.2	11.6	11.9	10.7	10.3	10.5	8.4	7.9	8.0	6.6	6.0	6.3
2	12.4	12.0	12.3	10.7	9.8	10.2	8.3	7.9	8.1	7.5	6.5	7.0
3	12.3	11.7	12.0	9.9	9.6	9.8	8.3	7.9	8.1	7.6	7.1	7.4
4	11.8	11.3	11.6	9.9	9.3	9.6	8.3	7.7	8.0	7.7	7.4	7.6
5	11.6	11.3	11.5	---	---	---	8.4	7.8	8.1	8.2	7.7	8.0
6	11.6	11.3	11.5	9.7	9.1	9.4	8.5	7.9	8.2	8.5	8.1	8.3
7	11.6	11.3	11.4	9.2	8.6	8.8	8.5	8.0	8.3	8.5	8.3	8.4
8	11.4	10.7	11.1	9.0	8.6	8.7	8.6	8.0	8.3	8.4	7.7	8.1
9	10.9	10.4	10.7	9.3	8.8	9.0	8.6	8.1	8.3	8.1	7.3	7.8
10	10.7	10.3	10.5	9.5	9.1	9.2	8.5	8.1	8.4	8.3	8.0	8.1
11	10.5	10.2	10.3	9.8	9.3	9.5	8.5	8.0	8.3	8.2	7.8	8.0
12	10.7	10.2	10.4	10.0	9.5	9.7	9.0	8.3	8.6	8.0	7.5	7.8
13	11.0	10.4	10.6	10.0	9.5	9.8	9.4	8.8	9.1	7.9	7.6	7.8
14	11.4	10.7	11.0	9.8	9.2	9.5	9.5	8.9	9.3	7.9	7.4	7.6
15	11.5	11.0	11.2	9.6	9.3	9.5	9.3	8.6	8.8	7.9	7.4	7.7
16	11.9	11.1	11.4	9.6	9.4	9.5	8.8	8.4	8.5	7.9	7.7	7.8
17	11.7	10.9	11.2	9.8	9.3	9.6	8.6	8.0	8.3	8.1	7.5	7.8
18	11.3	10.5	10.8	9.8	9.4	9.6	8.4	7.5	7.9	8.0	7.5	7.8
19	10.9	10.5	10.7	9.9	9.5	9.6	8.2	7.7	7.9	7.9	7.4	7.7
20	10.8	9.9	10.3	10.0	9.5	9.7	7.9	7.7	7.8	7.9	7.6	7.8
21	10.3	9.6	9.9	9.5	9.1	9.3	7.8	7.6	7.7	7.8	7.5	7.7
22	10.1	9.6	9.8	9.5	8.9	9.2	7.7	6.9	7.3	7.7	7.0	7.4
23	10.1	9.5	9.8	9.2	8.5	8.8	6.9	6.1	6.4	7.6	7.0	7.3
24	---	---	---	9.0	8.5	8.7	6.3	5.7	6.0	7.7	7.1	7.4
25	10.5	10.0	10.2	8.8	8.3	8.6	6.2	5.7	5.9	7.8	7.3	7.5
26	10.6	10.1	10.4	8.8	8.6	8.8	6.7	6.1	6.3	7.7	7.4	7.5
27	10.7	10.3	10.5	8.6	8.0	8.3	7.0	6.5	6.7	7.9	7.5	7.7
28	11.0	10.4	10.7	8.6	8.0	8.3	7.4	6.9	7.1	8.1	7.3	7.6
29	11.1	10.5	10.7	8.4	7.6	8.0	7.4	7.0	7.2	7.8	6.9	7.3
30	11.1	10.5	10.8	8.1	7.7	7.9	7.1	6.4	6.8	7.4	6.7	7.0
31	11.1	10.5	10.8	---	---	---	6.7	6.1	6.4	7.4	6.7	7.1
MONTH	---	---	---	---	---	---	9.5	5.7	7.7	8.5	6.0	7.6

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.4	6.9	7.2	8.9	8.6	8.8	10.5	9.9	10.2	11.0	10.7	10.9
2	7.6	7.0	7.3	9.2	8.5	8.8	10.5	10.0	10.3	10.8	10.2	10.5
3	7.9	7.3	7.6	9.1	8.8	8.9	10.5	10.1	10.3	10.8	10.4	10.7
4	8.0	7.4	7.7	9.6	9.0	9.2	10.7	10.0	10.3	11.5	10.6	10.9
5	8.0	7.5	7.8	9.9	9.4	9.7	10.7	10.4	10.6	12.0	11.0	11.4
6	8.1	7.7	7.9	9.4	9.1	9.3	11.3	10.6	11.0	12.3	11.5	11.9
7	8.1	7.6	7.9	9.2	8.7	8.9	11.4	11.0	11.2	12.3	11.3	11.7
8	8.3	7.8	8.0	8.9	8.4	8.7	11.4	11.0	11.3	11.6	10.4	10.9
9	8.5	8.0	8.1	8.9	8.2	8.6	11.4	10.8	11.1	11.3	10.7	11.0
10	8.7	8.2	8.4	9.0	8.7	8.9	11.1	10.4	10.8	11.1	10.6	10.8
11	8.9	8.3	8.6	9.1	8.9	9.0	10.6	9.6	10.1	10.7	10.1	10.3
12	8.8	8.3	8.5	9.3	8.6	9.0	10.0	8.7	9.4	10.4	9.5	10.0
13	8.5	7.9	8.2	9.2	8.7	9.0	9.7	8.7	9.2	10.5	10.1	10.3
14	8.6	8.0	8.3	9.0	8.6	8.8	10.2	9.1	9.5	10.6	10.3	10.4
15	8.7	8.1	8.4	9.0	8.5	8.7	10.7	10.1	10.3	10.6	10.2	10.4
16	8.6	8.4	8.5	9.0	8.3	8.6	10.9	10.6	10.8	10.8	10.2	10.6
17	8.8	8.2	8.5	9.2	8.5	8.8	11.0	10.7	10.9	11.1	10.6	10.9
18	8.6	8.2	8.3	9.9	9.0	9.4	11.0	10.6	10.9	12.3	10.8	11.4
19	8.2	7.7	8.0	9.8	9.1	9.4	11.1	10.8	10.9	12.9	11.6	12.2
20	8.3	7.7	8.0	9.3	8.7	9.0	11.9	10.9	11.3	13.7	12.1	12.7
21	8.5	8.1	8.3	9.2	8.6	8.9	12.3	11.3	11.8	13.7	11.8	12.6
22	8.7	8.2	8.5	9.2	8.4	8.8	12.5	11.8	12.2	11.8	10.6	11.0
23	8.7	8.3	8.5	9.3	8.7	9.0	12.6	12.0	12.3	11.0	10.1	10.6
24	8.9	8.3	8.6	9.7	9.0	9.3	12.0	11.4	11.7	11.1	10.2	10.6
25	8.9	8.5	8.7	9.9	9.4	9.6	11.5	11.0	11.3	11.4	10.6	11.0
26	8.9	8.3	8.7	9.9	9.0	9.4	11.0	10.7	10.9	11.5	10.6	11.0
27	8.8	8.4	8.6	9.0	8.4	8.7	11.0	10.6	10.8	11.6	10.7	11.1
28	8.9	8.7	8.8	9.0	8.2	8.6	10.9	10.0	10.4	11.6	10.9	11.2
29	---	---	---	9.3	8.6	8.9	11.4	10.2	10.7	11.4	10.7	11.0
30	---	---	---	9.7	8.8	9.2	11.7	11.0	11.3	11.6	10.7	11.1
31	---	---	---	10.4	9.4	9.8	---	---	---	11.1	10.7	11.0
MONTH	8.9	6.9	8.2	10.4	8.2	9.0	12.6	8.7	10.8	13.7	9.5	11.0

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.5	10.7	11.0	14.9	13.3	13.9	12.1	11.5	11.9	11.8	11.3	11.5
2	12.7	11.5	11.9	15.2	12.3	13.6	12.6	11.9	12.2	12.2	11.3	11.7
3	13.5	12.2	12.8	12.3	11.3	11.7	12.8	12.3	12.6	13.0	12.1	12.4
4	13.6	12.2	12.8	12.1	11.3	11.8	12.7	12.3	12.5	13.0	12.1	12.6
5	12.5	12.1	12.3	12.2	11.5	11.8	12.4	11.7	12.1	12.4	11.2	11.8
6	12.4	11.8	12.2	12.3	11.5	11.8	12.2	11.7	11.9	11.9	11.2	11.5
7	12.4	11.8	12.1	12.2	11.6	11.9	12.2	11.6	11.9	12.1	11.5	11.8
8	12.1	11.5	11.7	12.4	11.6	12.0	12.4	11.9	12.2	12.5	11.9	12.2
9	12.0	11.4	11.7	12.4	11.3	11.7	12.6	11.9	12.3	12.8	11.9	12.3
10	12.6	11.4	12.0	12.0	11.4	11.6	12.4	11.9	12.3	12.8	12.3	12.5
11	12.5	11.4	11.8	12.0	10.6	11.3	12.3	11.9	12.1	12.5	11.8	12.0
12	11.6	11.2	11.4	11.9	11.2	11.6	12.6	11.7	12.2	12.0	11.7	11.8
13	11.8	11.2	11.5	14.0	11.6	12.4	12.4	11.8	12.0	11.9	11.4	11.6
14	11.7	11.1	11.5	14.8	13.6	14.1	11.8	11.3	11.6	11.8	10.9	11.4
15	11.7	10.9	11.3	15.4	14.1	14.7	12.5	11.4	12.0	11.9	11.5	11.7
16	12.1	11.5	11.8	15.8	13.3	14.3	12.4	11.4	11.9	11.9	11.4	11.6
17	12.5	11.6	12.0	13.3	12.0	12.4	11.9	11.6	11.7	11.8	11.0	11.4
18	12.3	11.0	11.5	12.3	11.5	11.9	11.6	11.3	11.5	11.6	10.9	11.2
19	11.4	10.5	11.0	12.1	11.6	11.9	12.0	11.1	11.5	11.7	11.3	11.5
20	11.5	10.7	11.2	12.1	10.8	11.4	12.0	11.2	11.6	11.7	11.4	11.6
21	11.5	10.8	11.2	11.3	10.8	11.1	11.9	11.5	11.8	11.7	11.3	11.6
22	11.4	10.9	11.2	11.5	10.8	11.2	11.8	11.5	11.6	11.8	11.4	11.6
23	11.6	11.3	11.5	12.2	11.5	11.8	11.6	11.3	11.5	12.3	11.4	11.9
24	12.5	11.4	11.9	12.3	11.6	12.0	12.0	11.4	11.8	12.3	11.5	11.7
25	12.2	11.6	12.0	12.0	11.4	11.8	12.3	11.9	12.2	11.6	11.0	11.2
26	11.9	11.0	11.4	12.1	11.6	11.9	13.4	12.2	12.8	11.3	10.9	11.1
27	11.5	10.9	11.2	13.4	11.9	12.5	13.3	12.5	12.7	11.5	11.1	11.3
28	11.2	10.6	10.9	14.4	13.0	13.6	12.6	12.0	12.3	11.5	11.2	11.4
29	12.8	11.0	11.7	15.2	14.0	14.4	12.1	11.6	11.9	11.6	11.2	11.4
30	13.9	12.5	13.0	15.4	13.6	14.5	12.0	11.6	11.9	11.9	11.4	11.6
31	---	---	---	13.6	11.5	12.3	12.0	11.4	11.8	---	---	---
MONTH	13.9	10.5	11.7	15.8	10.6	12.4	13.4	11.1	12.0	13.0	10.9	11.7

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.8	11.3	11.6	9.9	9.0	9.2	10.3	9.2	9.9	10.0	9.6	9.8
2	12.0	11.3	11.6	10.1	9.6	9.9	9.8	8.2	9.2	9.8	9.1	9.4
3	12.0	11.3	11.7	10.3	9.8	10.1	10.5	9.3	9.7	9.2	9.1	9.2
4	12.0	11.6	11.8	10.5	10.0	10.3	11.0	10.1	10.5	9.3	8.9	9.1
5	11.9	11.5	11.7	10.5	9.9	10.2	11.0	10.6	10.8	9.4	9.1	9.3
6	12.0	11.5	11.7	11.0	10.3	10.5	11.0	10.4	10.7	9.4	9.1	9.3
7	12.0	11.5	11.7	11.3	10.7	10.9	10.7	10.1	10.4	9.4	9.2	9.3
8	12.0	11.4	11.7	11.3	10.8	11.1	11.2	10.5	10.7	9.5	9.1	9.3
9	12.0	11.6	11.8	11.1	10.9	11.0	11.4	10.9	11.1	9.4	8.8	9.0
10	12.0	11.6	11.8	11.2	11.0	11.0	11.4	11.2	11.3	8.9	8.4	8.6
11	12.0	11.5	11.7	11.1	10.9	11.0	11.3	9.8	10.9	8.8	8.4	8.6
12	11.8	11.4	11.6	---	---	---	10.5	9.8	10.2	8.7	8.4	8.5
13	11.9	11.5	11.7	11.5	11.1	11.4	10.5	10.0	10.2	8.6	8.1	8.4
14	12.0	11.6	11.8	11.4	11.0	11.2	10.4	9.9	10.1	8.6	8.2	8.4
15	12.0	11.6	11.8	11.1	11.0	11.1	10.4	9.8	10.0	8.5	8.2	8.3
16	12.0	11.3	11.6	11.0	10.7	10.9	9.8	9.3	9.6	8.3	8.0	8.2
17	11.7	11.1	11.4	11.4	10.6	11.0	9.6	9.3	9.4	8.2	7.9	8.1
18	11.6	11.0	11.3	11.4	10.2	11.0	9.8	9.4	9.5	8.1	7.8	8.0
19	11.6	11.1	11.3	11.0	10.5	10.8	10.2	9.8	10.0	8.1	7.8	7.9
20	11.6	11.1	11.3	10.9	10.3	10.7	10.5	10.1	10.2	8.1	7.7	7.9
21	11.6	11.2	11.4	10.7	10.2	10.4	10.4	10.2	10.3	8.2	7.7	8.0
22	11.7	11.3	11.5	10.4	9.9	10.2	10.5	10.1	10.3	8.4	7.9	8.1
23	11.7	11.3	11.5	10.3	9.7	10.0	10.3	9.5	9.8	8.4	8.0	8.2
24	11.7	11.3	11.4	10.4	10.0	10.3	9.8	9.4	9.6	8.4	8.0	8.2
25	11.7	11.0	11.3	10.5	10.0	10.3	9.9	9.3	9.5	8.5	8.0	8.2
26	11.4	10.6	11.0	10.7	10.2	10.4	9.9	9.4	9.7	8.5	8.1	8.3
27	11.1	10.5	10.7	11.0	10.5	10.6	9.7	9.5	9.6	8.5	8.0	8.2
28	10.6	10.1	10.3	11.0	10.7	10.9	9.8	9.4	9.6	8.4	7.9	8.2
29	10.4	9.8	10.0	10.9	10.3	10.6	9.9	9.6	9.8	8.3	7.9	8.1
30	9.8	9.3	9.5	10.6	9.8	10.5	9.9	9.7	9.8	8.4	7.9	8.1
31	9.3	8.7	9.0	---	---	---	10.1	9.7	9.8	8.4	8.0	8.2
MONTH	12.0	8.7	11.3	---	---	---	11.4	8.2	10.1	10.0	7.7	8.5

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	7.9	8.2	8.8	8.5	8.7	10.0	9.7	9.9	12.2	11.7	11.9
2	8.4	8.0	8.2	9.0	8.6	8.8	9.8	9.6	9.8	11.9	11.5	11.7
3	8.5	8.0	8.2	9.1	8.8	8.9	10.4	9.8	10.0	11.7	11.3	11.5
4	8.6	8.2	8.4	9.0	8.8	8.9	10.7	10.2	10.5	11.9	11.3	11.6
5	8.6	8.1	8.4	9.2	8.8	8.9	11.1	10.4	10.7	11.8	11.0	11.3
6	8.6	8.3	8.5	9.3	8.8	9.1	11.2	10.7	10.9	11.0	10.7	10.9
7	8.6	8.3	8.4	9.2	8.8	9.1	11.3	10.8	11.1	10.9	10.5	10.7
8	8.6	8.2	8.3	9.2	8.6	8.9	11.3	10.9	11.1	11.1	10.5	10.8
9	8.7	8.3	8.5	8.6	8.4	8.6	11.3	10.9	11.2	11.5	10.8	11.1
10	8.8	8.6	8.7	8.7	8.3	8.5	11.3	10.9	11.2	11.5	10.9	11.2
11	8.9	8.5	8.7	9.0	8.5	8.7	11.5	10.9	11.2	12.0	11.1	11.5
12	8.8	8.4	8.6	9.2	8.7	8.9	11.6	11.2	11.4	11.9	11.5	11.7
13	8.6	8.5	8.6	9.3	8.9	9.2	11.6	11.5	11.6	11.6	11.3	11.4
14	8.7	8.3	8.5	9.4	9.1	9.2	11.6	11.2	11.4	11.6	11.1	11.4
15	8.6	8.3	8.5	9.6	9.2	9.4	11.4	10.9	11.2	11.6	11.2	11.4
16	8.5	8.1	8.3	9.6	9.3	9.5	11.4	11.0	11.2	11.7	11.2	11.4
17	8.5	8.0	8.2	9.5	9.2	9.4	11.4	11.0	11.2	11.7	11.2	11.4
18	8.4	7.9	8.2	9.3	9.0	9.1	11.4	11.1	11.3	11.9	11.4	11.7
19	8.2	7.7	8.0	9.2	8.8	9.0	11.1	10.8	10.9	11.9	11.1	11.6
20	8.4	7.7	8.0	9.0	8.7	8.9	11.3	10.8	11.0	11.1	10.9	11.1
21	8.6	8.1	8.3	9.2	8.8	9.1	11.3	11.0	11.1	11.1	10.7	10.9
22	8.8	8.3	8.5	9.1	8.9	9.0	11.3	11.0	11.1	11.1	10.7	11.0
23	8.7	8.3	8.6	9.1	8.9	9.1	11.4	10.8	11.1	11.1	10.6	10.9
24	8.7	8.1	8.4	---	---	---	11.6	11.1	11.4	11.1	10.6	10.8
25	8.7	8.2	8.4	9.4	9.1	9.2	11.7	11.3	11.5	11.9	10.7	11.2
26	8.8	8.2	8.4	9.5	9.1	9.4	12.0	11.3	11.6	---	---	---
27	8.8	8.3	8.6	9.6	9.2	9.4	12.6	11.6	12.1	---	---	---
28	8.8	8.4	8.6	9.6	9.1	9.3	12.6	12.1	12.4	---	---	---
29	8.8	8.4	8.6	9.7	9.3	9.5	12.5	12.1	12.3	---	---	---
30	---	---	---	9.8	9.4	9.6	12.2	11.9	12.1	---	---	---
31	---	---	---	10.1	9.7	9.9	---	---	---	---	---	---
MONTH	8.9	7.7	8.4	---	---	---	12.6	9.6	11.2	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	12.6	11.8	12.2	11.5	11.2	11.4	12.6	11.1	11.7
2	13.7	12.6	13.0	12.1	11.4	11.8	11.6	11.2	11.4	11.9	11.0	11.3
3	12.6	12.2	12.4	11.6	11.0	11.3	12.3	11.5	11.9	11.6	11.1	11.4
4	12.5	11.7	12.1	12.2	11.2	11.7	12.1	11.4	11.9	11.9	11.2	11.5
5	12.5	12.0	12.3	13.1	11.4	12.1	11.7	11.0	11.4	11.6	10.9	11.2
6	12.4	11.7	12.1	13.4	12.4	12.9	11.0	10.7	11.0	11.9	11.1	11.5
7	12.3	11.7	12.0	13.3	11.9	12.5	11.4	10.7	11.1	12.1	11.3	11.7
8	12.5	11.7	12.1	11.9	11.4	11.7	11.7	11.0	11.4	12.2	11.4	11.8
9	12.4	11.7	12.0	11.4	10.7	11.1	12.0	11.5	11.7	12.2	11.5	11.9
10	12.1	11.4	11.8	11.4	10.8	11.1	12.7	11.7	12.3	11.9	11.2	11.4
11	12.1	11.3	11.7	11.7	10.9	11.3	12.4	11.6	12.0	11.4	10.9	11.2
12	12.2	11.2	11.7	12.1	11.7	12.0	12.0	11.2	11.6	11.8	11.0	11.3
13	12.2	11.5	11.9	12.2	11.7	11.9	11.9	11.5	11.7	11.9	11.0	11.5
14	12.2	11.3	11.8	12.0	11.2	11.6	11.9	11.6	11.8	12.2	11.5	11.8
15	12.3	11.5	11.9	11.5	10.9	11.2	11.8	11.5	11.6	12.2	11.4	11.8
16	12.2	11.7	11.9	11.9	11.2	11.5	11.7	11.5	11.6	12.2	11.3	11.6
17	12.0	11.4	11.7	11.7	11.2	11.5	12.1	11.3	11.8	11.9	11.5	11.7
18	12.1	11.4	11.7	11.6	11.3	11.5	12.0	11.4	11.6	11.9	11.0	11.3
19	12.1	11.5	11.8	11.5	11.1	11.3	11.6	11.1	11.4	11.8	10.7	11.3
20	12.5	11.4	11.9	12.4	11.3	11.8	11.5	11.3	11.4	13.1	11.3	12.0
21	12.6	11.7	12.2	12.7	11.9	12.3	11.4	11.2	11.3	12.3	11.6	11.9
22	12.6	12.0	12.3	12.4	11.7	12.1	11.3	10.9	11.2	12.1	11.3	11.7
23	12.7	11.8	12.3	12.3	11.9	12.1	11.5	10.9	11.2	11.8	11.2	11.4
24	12.2	11.5	11.9	13.0	11.7	12.2	11.4	10.9	11.1	11.9	11.0	11.3
25	12.1	11.2	11.6	12.8	11.7	12.1	12.7	11.3	12.1	11.9	11.6	11.7
26	12.3	11.3	11.8	11.9	11.5	11.8	12.7	12.2	12.5	11.9	11.6	11.7
27	12.4	11.7	12.0	13.0	11.9	12.6	12.3	11.6	12.0	11.7	11.3	11.5
28	12.3	11.2	11.8	12.9	11.9	12.5	12.4	11.9	12.2	11.6	11.0	11.2
29	12.6	11.7	12.2	12.7	11.8	12.1	12.7	12.2	12.4	11.8	11.1	11.4
30	12.8	11.6	12.3	11.9	11.4	11.8	13.2	12.6	12.9	11.7	11.3	11.5
31	---	---	---	11.6	11.1	11.4	13.1	12.5	12.9	---	---	---
MONTH	---	---	---	13.4	10.7	11.8	13.2	10.7	11.7	13.1	10.7	11.5

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.6	11.0	11.2	10.9	10.1	10.5	9.4	9.0	9.2	---	---	---
2	11.7	11.0	11.3	10.7	10.2	10.5	9.5	9.2	9.3	---	---	---
3	11.9	11.4	11.6	10.7	9.4	10.0	9.7	9.3	9.5	---	---	---
4	11.9	11.2	11.5	9.7	9.1	9.4	9.7	9.5	9.6	---	---	---
5	11.7	11.3	11.5	9.7	9.1	9.5	9.6	9.3	9.5	---	---	---
6	11.7	11.2	11.5	9.8	9.1	9.5	9.6	9.2	9.4	---	---	---
7	11.6	10.6	11.0	9.9	9.4	9.7	9.6	9.3	9.4	---	---	---
8	11.0	10.5	10.8	10.1	9.6	9.8	9.8	8.5	9.0	---	---	---
9	11.0	10.3	10.7	10.2	9.7	9.9	9.7	9.1	9.3	---	---	---
10	11.0	10.4	10.7	10.4	10.1	10.3	9.6	9.2	9.4	---	---	---
11	11.4	10.6	10.9	10.4	9.7	10.0	9.5	9.1	9.3	---	---	---
12	11.4	10.9	11.1	10.0	9.1	9.5	10.0	9.3	9.6	---	---	---
13	11.4	10.7	11.1	9.5	8.9	9.2	10.0	9.4	9.7	---	---	---
14	11.3	10.8	11.1	9.8	9.1	9.4	9.4	8.5	8.9	---	---	---
15	11.4	10.9	11.2	10.0	9.5	9.7	8.8	8.2	8.5	---	---	---
16	11.5	10.9	11.2	10.1	9.7	9.9	9.2	8.5	8.7	---	---	---
17	11.5	10.7	11.1	10.5	9.9	10.1	9.1	8.4	8.7	---	---	---
18	11.4	10.8	11.0	10.5	10.1	10.3	8.7	8.5	8.6	---	---	---
19	11.3	10.9	11.1	10.5	10.1	10.4	9.0	8.7	8.8	---	---	---
20	11.1	10.6	10.9	10.5	10.0	10.2	9.0	8.1	8.4	---	---	---
21	11.1	10.7	10.9	10.0	9.1	9.5	8.3	7.6	7.9	---	---	---
22	11.2	10.6	10.9	9.6	9.1	9.4	---	---	---	---	---	---
23	11.5	11.0	11.1	9.2	8.4	8.8	---	---	---	---	---	---
24	11.5	11.0	11.2	9.1	8.5	8.8	---	---	---	---	---	---
25	11.5	11.0	11.2	8.9	8.4	8.7	---	---	---	---	---	---
26	11.9	11.0	11.5	8.8	8.1	8.4	---	---	---	7.8	7.1	7.4
27	11.6	11.2	11.4	8.5	8.1	8.3	---	---	---	7.9	7.3	7.6
28	11.6	11.0	11.3	8.8	8.4	8.5	---	---	---	8.0	7.4	7.7
29	11.2	10.9	11.1	9.5	8.7	9.0	---	---	---	8.0	7.7	7.9
30	11.0	10.8	10.9	9.5	9.0	9.3	---	---	---	8.1	7.9	8.1
31	10.9	10.5	10.7	---	---	---	---	---	---	8.3	7.7	8.0
MONTH	11.9	10.3	11.1	10.9	8.1	9.5	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	8.0	8.2	---	---	---	10.5	9.9	10.2	11.7	10.7	11.2
2	8.6	7.9	8.2	---	---	---	10.5	10.0	10.3	11.7	10.9	11.3
3	8.6	8.2	8.4	---	---	---	10.4	9.6	10.0	12.2	11.3	11.7
4	8.5	8.0	8.2	9.0	8.4	8.6	10.4	9.8	10.1	12.1	11.4	11.7
5	8.5	7.9	8.2	8.7	8.1	8.4	10.5	10.0	10.3	11.4	10.3	10.7
6	8.5	7.9	8.2	8.9	8.3	8.6	10.5	9.9	10.2	10.7	9.6	10.1
7	8.5	8.0	8.2	9.0	8.4	8.7	9.9	9.0	9.4	11.1	9.7	10.3
8	8.5	8.3	8.4	9.2	8.6	8.8	10.1	9.3	9.7	11.2	10.0	10.5
9	8.6	8.1	8.3	9.2	8.6	8.9	10.4	9.5	9.9	11.4	10.2	10.8
10	8.7	8.3	8.4	9.5	8.8	9.1	10.9	10.0	10.4	11.7	10.8	11.2
11	8.8	8.3	8.5	9.4	8.7	9.1	10.9	10.2	10.5	11.8	11.1	11.4
12	8.9	8.4	8.6	9.3	8.5	8.8	---	---	---	11.8	10.9	11.3
13	8.9	8.2	8.6	9.0	8.4	8.6	10.8	10.0	10.4	11.4	10.8	11.1
14	8.9	8.2	8.4	9.0	8.2	8.5	10.4	9.5	9.9	12.0	11.0	11.5
15	8.6	8.0	8.2	9.3	8.6	8.8	10.2	9.0	9.6	12.0	11.2	11.6
16	8.3	7.8	8.0	9.3	8.6	9.0	10.6	9.5	10.0	11.7	11.4	11.5
17	8.6	8.0	8.2	9.3	8.8	9.1	10.8	9.5	10.1	12.0	11.4	11.6
18	8.6	8.1	8.3	9.6	9.1	9.3	11.3	10.4	10.8	11.8	11.3	11.5
19	8.6	8.3	8.5	9.4	8.7	9.0	11.1	10.1	10.6	11.7	11.1	11.4
20	8.8	8.3	8.4	9.5	9.0	9.2	10.9	9.9	10.4	12.1	10.9	11.4
21	8.4	7.8	8.1	10.0	9.1	9.5	10.7	9.9	10.3	12.5	11.5	11.9
22	---	---	---	10.2	9.1	9.6	10.6	9.7	10.2	12.5	11.9	12.2
23	---	---	---	10.6	9.1	10.0	11.0	9.8	10.3	12.5	11.8	12.1
24	---	---	---	10.6	9.9	10.2	11.4	10.3	10.8	12.5	12.0	12.2
25	---	---	---	10.5	9.9	10.2	11.5	10.6	11.0	12.5	11.5	12.1
26	---	---	---	10.4	9.7	10.0	11.7	11.0	11.3	12.6	11.7	12.2
27	---	---	---	10.0	9.4	9.7	11.7	11.1	11.4	12.7	12.0	12.4
28	---	---	---	9.6	9.1	9.4	11.6	10.7	11.2	12.6	12.0	12.3
29	---	---	---	9.8	9.0	9.3	11.8	10.9	11.3	12.5	11.7	12.1
30	---	---	---	10.2	9.5	9.7	11.7	11.0	11.4	13.0	11.7	12.2
31	---	---	---	10.5	9.6	10.1	---	---	---	12.9	12.1	12.5
MONTH	---	---	---	---	---	---	---	---	---	13.0	9.6	11.5

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.2	12.2	12.7	---	---	---	---	---	---	---	---	---
2	13.1	12.4	12.6	---	---	---	---	---	---	---	---	---
3	12.6	12.1	12.3	---	---	---	---	---	---	---	---	---
4	12.5	11.6	12.0	---	---	---	---	---	---	---	---	---
5	12.1	11.1	11.6	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Specific conductance, in microsiements per centimeter at 25°C, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	1010	970	979
2	---	---	---	---	---	---	---	---	---	1020	966	976
3	---	---	---	---	---	---	---	---	---	1040	966	1000
4	---	---	---	---	---	---	1040	966	995	1070	982	1020
5	---	---	---	---	---	---	1040	970	989	1120	952	995
6	---	---	---	---	---	---	1040	976	1010	1060	954	974
7	---	---	---	---	---	---	1050	964	997	1020	966	978
8	---	---	---	---	---	---	1010	960	974	1020	968	984
9	---	---	---	---	---	---	1020	958	972	1030	956	973
10	---	---	---	---	---	---	1020	960	977	1040	962	987
11	---	---	---	---	---	---	1030	972	991	1050	954	982
12	---	---	---	---	---	---	1050	990	1010	1020	972	987
13	---	---	---	---	---	---	1060	998	1020	1050	950	979
14	---	---	---	---	---	---	1030	944	986	1030	948	968
15	---	---	---	---	---	---	1050	958	982	1040	956	993
16	---	---	---	---	---	---	1220	968	1040	1090	1040	1070
17	---	---	---	---	---	---	1100	976	1010	1100	1090	1100
18	---	---	---	---	---	---	1130	982	1010	1100	934	1000
19	---	---	---	---	---	---	1060	1010	1030	1170	936	996
20	---	---	---	---	---	---	1060	996	1030	1070	944	978
21	---	---	---	---	---	---	1030	948	981	1070	988	1000
22	---	---	---	---	---	---	1010	958	971	1140	984	1020
23	---	---	---	---	---	---	1000	960	973	1050	952	988
24	---	---	---	---	---	---	1000	944	962	1060	946	981
25	---	---	---	---	---	---	1010	948	971	1000	946	962
26	---	---	---	---	---	---	1060	968	1000	1040	952	993
27	---	---	---	---	---	---	1070	990	1020	1070	974	1010
28	---	---	---	---	---	---	1050	946	981	1040	966	980
29	---	---	---	---	---	---	998	940	953	1070	970	1010
30	---	---	---	---	---	---	1000	942	957	1120	1070	1100
31	---	---	---	---	---	---	1030	950	975	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1170	934	999

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1110	1100	1100	1020	926	961	---	---	---	---	---	---
2	1140	994	1070	1050	924	977	---	---	---	---	---	---
3	1050	964	999	1010	926	960	---	---	---	---	---	---
4	1190	966	1030	1050	958	984	---	---	---	---	---	---
5	1130	988	1030	---	---	---	---	---	---	---	---	---
6	1080	988	1010	1300	990	1080	---	---	---	---	---	---
7	1070	978	1010	1020	936	973	---	---	---	---	---	---
8	1080	978	1010	1010	924	945	---	---	---	---	---	---
9	1080	982	1010	1010	924	945	---	---	---	---	---	---
10	1070	984	1010	1000	928	954	---	---	---	---	---	---
11	1080	986	1010	1020	1000	1010	---	---	---	---	---	---
12	1060	970	1010	1030	1020	1030	---	---	---	---	---	---
13	1060	974	1010	1050	932	1020	---	---	---	---	---	---
14	1080	1060	1080	1010	914	943	---	---	---	---	---	---
15	1110	1080	1100	980	904	923	---	---	---	---	---	---
16	1160	1040	1100	988	902	925	---	---	---	---	---	---
17	1040	1010	1020	972	894	913	---	---	---	---	---	---
18	1020	1010	1010	1010	896	932	---	---	---	---	---	---
19	1020	1010	1010	1030	922	956	---	---	---	---	---	---
20	1020	1010	1010	---	---	---	---	---	---	---	---	---
21	1020	1010	1010	---	---	---	---	---	---	---	---	---
22	1060	1000	1020	---	---	---	---	---	---	---	---	---
23	1060	1020	1030	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	1070	968	1000	---	---	---	---	---	---	---	---	---
26	968	958	961	---	---	---	---	---	---	---	---	---
27	1010	962	977	---	---	---	---	---	---	---	---	---
28	1030	1010	1020	---	---	---	---	---	---	---	---	---
29	1030	1020	1030	---	---	---	---	---	---	---	---	---
30	1030	988	1020	---	---	---	---	---	---	---	---	---
31	1040	936	988	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	1060	990	1030	1170	1130	1150	1070	1020	1040
2	---	---	---	1040	978	994	1180	1040	1130	1120	1060	1080
3	---	---	---	1090	972	1010	1090	1030	1050	1130	1060	1080
4	980	914	930	1110	996	1040	1090	1030	1050	1110	1050	1070
5	980	908	928	1290	996	1090	1080	1030	1050	1130	1110	1120
6	972	904	923	1030	974	996	1060	1030	1040	1150	1130	1140
7	970	900	920	1040	988	1000	1040	1010	1030	1130	994	1050
8	964	900	917	1100	998	1030	1010	998	1010	1080	1010	1020
9	992	906	941	1010	988	995	1000	996	998	1080	998	1020
10	1020	992	1010	1010	992	999	998	986	993	1080	1000	1020
11	1030	1020	1020	1080	1010	1040	998	976	984	1070	1010	1020
12	1030	904	977	1110	1030	1070	1000	986	992	1090	1010	1030
13	952	890	906	1080	1030	1040	1000	956	982	1060	994	1010
14	962	894	912	1130	1050	1080	990	956	972	1070	1000	1030
15	974	900	917	1110	1010	1060	1040	990	1010	1160	1030	1110
16	966	898	915	1070	1010	1040	1060	1030	1050	---	---	---
17	974	902	920	1100	1040	1060	1050	1020	1030	---	---	---
18	1060	910	954	1130	1060	1080	1070	1030	1050	---	---	---
19	1010	948	961	1140	1050	1080	1060	1030	1040	---	---	---
20	1000	946	963	1120	1040	1060	1060	1020	1040	---	---	---
21	1010	960	973	1110	1040	1060	1060	1050	1060	---	---	---
22	998	964	979	1110	1050	1070	1060	1050	1050	---	---	---
23	1020	968	984	1100	1040	1060	1080	1030	1050	---	---	---
24	1040	978	994	1130	1040	1070	1060	1020	1040	---	---	---
25	1070	982	1020	1170	1040	1100	1060	1030	1040	---	---	---
26	1050	956	995	1140	1030	1080	1060	1030	1040	---	---	---
27	1040	954	984	1090	1040	1060	1080	1030	1050	---	---	---
28	1060	988	1020	1130	1060	1080	1090	1050	1070	---	---	---
29	---	---	---	1140	1070	1090	1130	1090	1110	---	---	---
30	---	---	---	1200	1100	1140	1140	1030	1100	---	---	---
31	---	---	---	1150	1090	1110	---	---	---	---	---	---
MONTH	---	---	---	1290	972	1060	1180	956	1040	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	1020	966	996
18	---	---	---	---	---	---	---	---	---	986	964	971
19	---	---	---	---	---	---	---	---	---	992	968	977
20	---	---	---	---	---	---	---	---	---	998	970	982
21	---	---	---	---	---	---	---	---	---	990	970	978
22	---	---	---	---	---	---	---	---	---	994	968	978
23	---	---	---	---	---	---	---	---	---	1000	968	992
24	---	---	---	---	---	---	---	---	---	1000	956	975
25	---	---	---	---	---	---	---	---	---	988	958	972
26	---	---	---	---	---	---	---	---	---	988	966	974
27	---	---	---	---	---	---	---	---	---	988	962	972
28	---	---	---	---	---	---	---	---	---	980	958	966
29	---	---	---	---	---	---	---	---	---	980	958	969
30	---	---	---	---	---	---	---	---	---	1010	966	995
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1020	968	991	1030	990	1010	1040	994	1010	984	956	967
2	1020	968	993	1030	984	999	1030	1010	1020	984	962	976
3	1030	990	1010	1020	986	998	1030	978	1000	980	952	965
4	1030	986	1000	1030	990	1010	1010	974	986	974	952	959
5	1020	984	997	1040	990	1010	1010	978	987	994	954	975
6	1040	984	1010	1020	990	1000	1010	984	995	990	970	980
7	1050	1010	1020	1030	990	1000	1020	990	1000	988	952	967
8	1030	980	1010	1030	994	1010	1020	988	1000	1000	942	962
9	1020	982	994	1030	988	1000	1020	988	1000	968	944	953
10	1020	982	996	1030	990	1010	1010	978	995	1020	950	971
11	1020	982	996	1040	998	1020	1010	978	987	1010	960	975
12	1020	984	998	---	---	---	1010	978	989	982	962	973
13	1030	988	1010	1010	960	980	1030	972	992	994	976	987
14	1040	1010	1020	1030	990	1000	1000	974	983	976	950	965
15	1030	988	1010	1030	990	1000	1150	980	1020	972	948	957
16	1020	984	998	1030	986	1000	1020	996	1010	968	944	952
17	1030	986	1000	1030	988	1010	1020	988	1000	970	948	956
18	1030	978	998	1060	1010	1040	1020	974	993	970	952	959
19	1020	980	995	1040	994	1020	1000	960	978	972	954	965
20	1030	988	1010	1030	994	1010	1020	956	978	982	964	977
21	1040	1000	1020	1040	998	1010	1010	960	978	978	942	958
22	1030	990	1010	1050	1000	1020	1170	962	1010	960	944	950
23	1020	986	1000	1050	1000	1020	1080	998	1010	956	940	945
24	1020	980	996	1040	1000	1020	1020	970	995	958	934	943
25	1020	978	994	1050	1010	1020	990	966	974	956	934	944
26	1020	976	993	1040	996	1020	994	964	979	962	940	949
27	1020	974	992	1030	996	1010	998	964	981	972	946	965
28	1030	972	1010	1030	992	1010	992	962	975	976	950	961
29	1040	998	1020	1040	996	1020	992	966	975	972	950	957
30	1040	998	1010	1030	994	1010	996	972	983	970	950	956
31	1040	994	1010	---	---	---	996	960	977	970	948	955
MONTH	1050	968	1000	---	---	---	1170	956	992	1020	934	962

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	970	950	957	1050	1020	1030	1070	1050	1060	1120	1090	1100
2	980	954	965	1070	1040	1050	1090	1050	1060	1120	1090	1100
3	1040	962	992	1070	1030	1050	1100	1070	1090	1120	1090	1100
4	1010	970	989	1070	1030	1040	1070	1060	1060	1120	1100	1110
5	1000	960	979	1060	1020	1040	1060	1040	1050	1110	1090	1100
6	992	960	974	1060	1020	1040	1050	1040	1050	1100	1050	1080
7	984	954	966	1030	1010	1020	1050	1030	1040	1130	1040	1070
8	978	950	967	1030	1000	1020	1070	1040	1060	1090	1040	1070
9	988	964	973	1060	1030	1050	1070	1060	1070	1100	1050	1070
10	1010	968	991	1050	1040	1040	1070	1070	1070	1100	1050	1080
11	1010	974	990	1060	1040	1050	1080	1060	1070	1130	1070	1100
12	994	972	982	1060	1020	1040	1060	1050	1060	1130	1090	1100
13	996	966	977	1050	1020	1040	1080	1050	1060	1120	1090	1100
14	994	970	980	1070	1040	1050	1090	1080	1080	1100	1050	1070
15	1020	988	1000	1070	1050	1060	1090	1060	1070	1090	1050	1070
16	1040	1000	1020	1090	1060	1070	1080	1060	1070	1070	1040	1060
17	1050	1020	1030	1090	1060	1070	1090	1070	1080	1090	1050	1070
18	1030	980	1000	1070	1050	1060	1090	1080	1090	1100	1060	1080
19	1040	984	1020	1060	1050	1050	1120	1090	1100	1090	1060	1070
20	1070	1020	1040	1060	1040	1050	1120	1110	1120	1070	1030	1050
21	1050	1010	1020	1050	1030	1040	1130	1070	1100	1080	1040	1060
22	1040	1010	1020	1080	1050	1070	1130	1080	1110	1100	1040	1060
23	1040	1010	1020	1090	1060	1080	1110	1090	1100	1090	1040	1070
24	1060	1010	1040	---	---	---	1110	1080	1100	1100	1040	1070
25	1040	1020	1030	1070	1040	1060	1110	1080	1100	1140	1050	1090
26	1030	998	1010	1070	1050	1060	1140	1100	1120	1180	1080	1120
27	1040	1000	1020	1070	1060	1060	1140	1120	1130	1080	1040	1060
28	1030	1010	1020	1090	1060	1080	1130	1070	1110	1160	1030	1060
29	1040	1020	1020	1090	1080	1080	1110	1090	1100	1130	1040	1090
30	---	---	---	1090	1080	1080	1120	1090	1110	1150	1040	1090
31	---	---	---	1090	1060	1080	---	---	---	1150	1050	1090
MONTH	1070	950	1000	---	---	---	1140	1030	1080	1180	1030	1080

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1130	1080	1100	1010	996	1010	1020	1010	1010	1010	980	990
2	1080	1030	1050	1020	986	1000	1020	1010	1010	1050	1010	1040
3	1060	1020	1040	1020	986	1000	1040	1010	1030	1030	1020	1030
4	1040	1010	1020	1030	986	1010	1040	1000	1020	1020	1010	1020
5	1030	1010	1020	1050	994	1020	1020	1000	1010	1020	1010	1010
6	1050	1010	1030	1020	998	1010	1010	1000	1010	1030	1020	1030
7	1040	1010	1030	1020	988	1000	1020	1000	1010	1050	1030	1040
8	1050	1020	1040	1010	986	998	1050	1000	1020	1050	996	1030
9	1040	1010	1030	1050	986	998	1130	1020	1040	1020	984	1000
10	1040	1010	1020	1180	978	1020	1040	1020	1020	1020	990	1010
11	1030	992	1020	1050	978	985	1030	1010	1020	1030	1000	1010
12	1050	1000	1020	1110	976	999	1060	1010	1020	1020	1000	1010
13	1020	1000	1010	1000	982	992	1020	1000	1010	1020	1000	1010
14	1040	1020	1030	998	976	986	1080	1010	1040	1030	1020	1020
15	1070	1030	1050	1040	976	1000	1070	1000	1010	1040	990	1010
16	1060	1010	1040	1020	990	1000	1020	1010	1020	1040	1000	1020
17	1030	1000	1020	1000	984	993	1030	1020	1020	1000	990	996
18	1040	998	1020	1010	988	996	1030	980	1000	996	988	993
19	1030	1010	1020	1010	986	995	1010	990	1000	1010	996	1000
20	1050	990	1020	1020	988	1000	1010	996	1000	1040	998	1010
21	1030	998	1020	1020	968	992	1010	998	1000	1050	1000	1010
22	1060	1020	1050	994	978	989	1030	1000	1010	1050	1030	1050
23	1060	1020	1040	998	984	990	1040	1010	1030	1030	1010	1020
24	1030	1010	1020	1180	950	1020	1030	1020	1020	1030	1010	1010
25	1040	1010	1020	1000	950	978	1180	1020	1120	1040	1020	1030
26	1030	1010	1020	1040	966	1010	1150	1020	1070	1020	1020	1020
27	1020	1000	1010	1040	1020	1030	1020	1000	1010	1020	1000	1010
28	1020	988	1010	1020	1020	1020	1000	998	1000	1020	1010	1020
29	1030	988	1010	1030	1010	1020	1010	1000	1010	1020	1000	1010
30	1030	992	1010	1040	1020	1020	1010	990	1000	1010	1000	1000
31	---	---	---	1030	1010	1020	992	980	984	---	---	---
MONTH	1130	988	1030	1180	950	1000	1180	980	1020	1050	980	1020

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1010	1000	1010	1030	970	993	1010	980	994	---	---	---
2	1020	1000	1010	1070	1020	1050	1000	975	985	---	---	---
3	1040	1010	1020	1070	1000	1030	1000	976	985	---	---	---
4	1040	1020	1020	1060	974	1010	1000	974	986	---	---	---
5	1040	1020	1030	1020	974	994	997	973	983	---	---	---
6	1030	1010	1020	1020	972	993	1010	979	989	---	---	---
7	1020	1000	1010	1010	972	988	1000	979	989	---	---	---
8	1030	1000	1020	1010	970	992	1270	962	1020	---	---	---
9	1030	1000	1010	1020	972	1000	970	962	966	---	---	---
10	1020	1000	1010	1020	972	997	981	965	968	---	---	---
11	1030	1010	1020	1000	970	980	1010	975	990	---	---	---
12	1030	1030	1030	1010	974	988	995	961	976	---	---	---
13	1040	1030	1030	1010	972	991	1020	967	986	---	---	---
14	1040	1000	1030	1000	968	982	1040	987	1010	---	---	---
15	1030	1000	1010	1010	974	988	1030	986	1010	---	---	---
16	1020	982	1000	1010	976	997	1020	969	992	---	---	---
17	1020	982	1000	1010	984	996	989	968	976	---	---	---
18	1040	988	1010	1020	984	996	998	971	986	---	---	---
19	1050	1010	1030	1030	988	1000	1010	972	991	---	---	---
20	1040	1000	1020	1020	982	1000	1010	988	999	---	---	---
21	1030	990	1000	1020	984	998	1020	992	1000	---	---	---
22	1020	984	1000	1020	990	1000	---	---	---	---	---	---
23	1020	980	994	1040	996	1020	---	---	---	---	---	---
24	1010	970	989	1030	971	1000	---	---	---	---	---	---
25	1020	970	995	1010	971	987	---	---	---	---	---	---
26	1290	974	1030	1010	977	989	---	---	---	950	940	943
27	1050	992	1010	1020	979	1000	---	---	---	962	942	956
28	1060	1000	1040	1020	973	997	---	---	---	972	954	964
29	1030	992	1010	1010	973	987	---	---	---	978	962	968
30	1080	990	1010	1020	982	999	---	---	---	998	958	966
31	998	970	985	---	---	---	---	---	---	1010	932	951
MONTH	1290	970	1010	1070	968	998	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1020	934	974	---	---	---	1050	1020	1040	1080	1050	1060
2	960	932	950	---	---	---	1060	1040	1040	1080	1050	1060
3	978	960	970	---	---	---	1060	1030	1050	1090	1060	1080
4	1000	966	985	1040	1030	1030	1040	1010	1030	1090	1040	1060
5	1010	970	987	1040	1030	1040	1020	1000	1010	1070	1020	1040
6	996	972	980	1040	1020	1030	1020	992	1000	1060	1030	1040
7	1010	980	996	1050	1030	1040	1050	1020	1030	1080	1030	1050
8	1030	998	1020	1070	1040	1060	1040	1020	1030	1090	1020	1050
9	1040	1010	1020	1090	1050	1070	1050	1030	1040	1070	1030	1050
10	1010	983	997	1080	1050	1070	1040	1030	1030	1100	1040	1070
11	1020	983	998	1080	1060	1070	1080	1040	1070	1090	1040	1070
12	1100	965	1010	1090	1060	1070	---	---	---	1070	1040	1050
13	981	928	952	1060	1030	1040	1080	1040	1060	1060	1020	1040
14	929	914	922	1050	1020	1030	1070	1040	1050	1050	1020	1030
15	968	923	946	1030	1010	1020	1080	1050	1060	1060	1020	1030
16	990	968	976	1030	1010	1020	1090	1040	1060	1060	1030	1050
17	1000	982	992	1030	1020	1030	1090	1040	1060	1090	1060	1070
18	1020	992	1000	1040	1020	1030	1070	1040	1050	1080	1030	1050
19	1030	987	1010	1050	1020	1040	1080	1040	1060	1080	1040	1070
20	1100	846	973	1050	1010	1030	1090	1040	1060	1090	1040	1060
21	1110	846	958	1010	996	1010	1080	1040	1060	1070	1020	1040
22	---	---	---	1010	941	967	1080	1040	1060	1060	1020	1030
23	---	---	---	1010	992	999	1090	1060	1070	1070	1030	1050
24	---	---	---	1020	998	1010	1080	1040	1060	1080	1030	1050
25	---	---	---	1020	1000	1010	1080	1050	1070	1060	1030	1040
26	---	---	---	1020	1010	1020	1100	1070	1080	1080	1030	1060
27	---	---	---	1020	1010	1010	1080	1040	1060	1060	1030	1050
28	---	---	---	1020	1010	1020	1100	1060	1070	1070	1030	1040
29	---	---	---	1030	1020	1020	1080	1040	1060	1080	1030	1050
30	---	---	---	1030	1020	1020	1070	1040	1050	1060	1050	1060
31	---	---	---	1030	1020	1020	---	---	---	1080	1060	1070
MONTH	---	---	---	---	---	---	---	---	---	1100	1020	1050

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1060	1050	1060	---	---	---	---	---	---	---	---	---
2	1070	1020	1050	---	---	---	---	---	---	---	---	---
3	1040	1010	1020	---	---	---	---	---	---	---	---	---
4	1060	1020	1040	---	---	---	---	---	---	---	---	---
5	1070	1030	1050	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.0	7.9	7.9
2	---	---	---	---	---	---	---	---	---	8.0	7.9	7.9
3	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
4	---	---	---	---	---	---	8.1	8.0	8.1	8.0	8.0	8.0
5	---	---	---	---	---	---	8.1	8.0	8.1	8.0	7.8	7.9
6	---	---	---	---	---	---	8.1	8.1	8.1	7.9	7.8	7.9
7	---	---	---	---	---	---	8.1	8.0	8.1	7.9	7.8	7.9
8	---	---	---	---	---	---	8.1	8.0	8.1	7.9	7.8	7.8
9	---	---	---	---	---	---	8.1	8.0	8.1	7.9	7.8	7.9
10	---	---	---	---	---	---	8.1	8.0	8.1	7.9	7.9	7.9
11	---	---	---	---	---	---	8.1	8.0	8.1	7.9	7.9	7.9
12	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	7.9
13	---	---	---	---	---	---	8.0	8.0	8.0	8.0	7.8	7.9
14	---	---	---	---	---	---	8.0	7.8	7.9	7.9	7.8	7.9
15	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.9	8.0
16	---	---	---	---	---	---	8.0	7.9	7.9	8.0	8.0	8.0
17	---	---	---	---	---	---	7.9	7.9	7.9	8.0	8.0	8.0
18	---	---	---	---	---	---	8.0	7.8	7.9	8.0	7.9	8.0
19	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.8	7.9
20	---	---	---	---	---	---	8.0	8.0	8.0	8.0	7.8	7.9
21	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	7.9
22	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.9	7.9
23	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.9	8.0
24	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.8	7.9
25	---	---	---	---	---	---	8.0	7.9	8.0	8.1	7.9	8.0
26	---	---	---	---	---	---	8.0	7.9	8.0	8.1	7.9	8.0
27	---	---	---	---	---	---	8.1	8.0	8.0	8.1	8.0	8.0
28	---	---	---	---	---	---	8.0	7.8	7.9	8.1	8.0	8.0
29	---	---	---	---	---	---	7.9	7.8	7.9	8.1	8.0	8.1
30	---	---	---	---	---	---	7.9	7.8	7.9	8.1	8.0	8.0
31	---	---	---	---	---	---	7.9	7.8	7.9	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.1	7.8	7.9

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.1	8.0	8.0	8.2	8.2	8.2	8.4	8.3	8.3	8.4	8.3	8.4
2	8.1	8.0	8.0	8.2	8.2	8.2	8.4	8.2	8.3	8.4	8.3	8.4
3	8.1	8.0	8.0	8.2	8.2	8.2	8.4	8.3	8.3	8.5	8.4	8.4
4	8.1	8.0	8.1	8.2	8.2	8.2	8.4	8.3	8.3	8.5	8.4	8.4
5	8.1	8.0	8.0	8.6	7.7	8.2	8.4	8.3	8.4	8.5	8.4	8.4
6	8.1	8.0	8.1	8.3	8.2	8.3	8.4	8.4	8.4	8.5	8.4	8.4
7	8.1	8.0	8.1	8.3	8.2	8.2	8.5	8.3	8.4	8.5	8.4	8.4
8	8.1	8.1	8.1	8.3	8.2	8.2	8.4	8.3	8.4	8.5	8.3	8.4
9	8.1	8.1	8.1	8.2	8.2	8.2	8.4	8.3	8.4	8.4	8.3	8.4
10	8.2	8.1	8.1	8.3	8.2	8.2	8.5	8.2	8.4	8.5	7.9	8.2
11	8.2	8.1	8.2	8.3	8.2	8.3	8.4	8.3	8.4	8.2	7.9	8.0
12	8.2	8.1	8.2	8.3	8.2	8.3	8.4	8.3	8.4	7.9	7.9	7.9
13	8.3	8.2	8.2	8.3	8.2	8.3	8.4	8.3	8.4	7.9	7.9	7.9
14	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.3	8.4	8.0	7.9	7.9
15	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.3	8.4	8.0	8.0	8.0
16	8.3	8.1	8.2	8.3	8.2	8.3	8.4	8.4	8.4	8.1	8.0	8.0
17	8.2	8.1	8.1	8.3	8.2	8.3	8.4	8.3	8.4	8.2	8.0	8.0
18	8.2	8.1	8.1	8.3	8.2	8.3	8.5	8.4	8.4	8.2	7.9	8.1
19	8.2	8.1	8.2	8.3	8.2	8.3	8.4	8.3	8.4	8.3	8.0	8.1
20	8.2	8.1	8.2	8.4	8.2	8.3	8.4	8.4	8.4	8.3	8.0	8.1
21	8.2	8.2	8.2	8.3	8.2	8.3	8.4	8.4	8.4	8.3	8.0	8.2
22	8.2	8.1	8.1	8.3	8.2	8.3	8.4	8.3	8.4	8.3	8.0	8.2
23	8.1	8.1	8.1	8.3	8.3	8.3	8.4	8.3	8.3	8.3	8.1	8.2
24	---	---	---	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3
25	8.1	8.1	8.1	8.4	8.3	8.3	8.4	8.3	8.3	8.4	8.2	8.3
26	8.2	8.1	8.1	8.4	8.3	8.3	8.4	8.3	8.4	8.3	8.2	8.2
27	8.2	8.1	8.2	8.4	8.3	8.3	8.4	8.3	8.4	8.3	8.2	8.3
28	8.2	8.2	8.2	8.4	8.2	8.3	8.4	8.4	8.4	8.3	8.2	8.2
29	8.2	8.2	8.2	8.4	8.3	8.3	8.4	8.3	8.4	8.4	8.1	8.2
30	8.2	8.2	8.2	8.4	8.3	8.3	8.4	8.3	8.4	8.4	8.2	8.3
31	8.2	8.2	8.2	---	---	---	8.4	8.3	8.4	8.4	8.1	8.3
MONTH	---	---	---	8.6	7.7	8.3	8.5	8.2	8.4	8.5	7.9	8.2

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	8.2	8.3	8.3	8.2	8.3	8.3	8.2	8.2	---	---	---
2	8.4	8.2	8.3	8.3	8.2	8.3	8.2	8.1	8.2	---	---	---
3	8.4	8.2	8.3	8.3	8.2	8.3	8.2	8.0	8.1	---	---	---
4	8.5	8.4	8.4	8.3	8.0	8.2	---	---	---	---	---	---
5	8.5	8.4	8.5	---	---	---	---	---	---	---	---	---
6	8.5	8.4	8.5	---	---	---	---	---	---	---	---	---
7	8.5	8.4	8.5	---	---	---	---	---	---	---	---	---
8	8.5	8.5	8.5	---	---	---	---	---	---	---	---	---
9	8.6	8.5	8.5	---	---	---	---	---	---	---	---	---
10	8.6	8.5	8.6	---	---	---	---	---	---	---	---	---
11	8.6	8.5	8.6	---	---	---	---	---	---	---	---	---
12	8.6	8.5	8.5	---	---	---	---	---	---	---	---	---
13	8.6	8.5	8.6	---	---	---	---	---	---	---	---	---
14	8.6	8.5	8.5	---	---	---	---	---	---	---	---	---
15	8.5	8.4	8.5	---	---	---	---	---	---	---	---	---
16	8.5	8.4	8.5	---	---	---	---	---	---	---	---	---
17	8.5	8.2	8.4	---	---	---	---	---	---	---	---	---
18	8.3	8.1	8.2	---	---	---	---	---	---	---	---	---
19	8.5	8.0	8.3	---	---	---	---	---	---	---	---	---
20	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
21	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
22	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
23	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
24	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
25	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
26	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
27	8.3	8.1	8.2	---	---	---	---	---	---	---	---	---
28	8.3	8.2	8.2	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	8.3	8.2	8.2	---	---	---	---	---	---
MONTH	8.6	8.0	8.4	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	8.2	7.9	8.0	---	---	---	---	---	---
14	---	---	---	8.0	7.8	8.0	---	---	---	---	---	---
15	---	---	---	8.1	7.9	8.1	---	---	---	---	---	---
16	---	---	---	8.3	8.1	8.2	---	---	---	8.4	8.2	8.3
17	---	---	---	8.4	8.2	8.3	---	---	---	8.5	8.3	8.4
18	---	---	---	8.4	8.1	8.3	---	---	---	8.5	8.4	8.5
19	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
20	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
21	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
22	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
23	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
24	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.5	8.4	8.4	---	---	---	---	---	---
2	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
3	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
4	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	8.3	8.3	8.3	---	---	---
17	---	---	---	---	---	---	8.3	8.3	8.3	---	---	---
18	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
19	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
20	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
21	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
22	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
23	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
24	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
25	8.5	8.4	8.4	---	---	---	8.4	8.3	8.4	---	---	---
26	8.4	8.4	8.4	---	---	---	8.4	8.3	8.4	---	---	---
27	8.4	8.4	8.4	---	---	---	8.4	8.4	8.4	8.2	8.1	8.2
28	8.4	8.4	8.4	---	---	---	8.4	8.3	8.4	8.3	8.2	8.2
29	8.4	8.4	8.4	---	---	---	---	---	---	8.2	8.1	8.1
30	---	---	---	---	---	---	---	---	---	8.2	8.1	8.2
31	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.2	8.2	8.2	8.3	8.2	8.3	8.3	8.2	8.3	---	---	---
2	8.2	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.3	---	---	---
3	8.3	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.3	---	---	---
4	8.3	8.2	8.2	8.3	8.2	8.3	8.3	8.2	8.3	---	---	---
5	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.2	8.2	---	---	---
6	8.2	8.2	8.2	8.3	8.3	8.3	---	---	---	---	---	---
7	8.2	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
8	8.2	8.2	8.2	8.3	8.2	8.2	---	---	---	---	---	---
9	8.3	8.2	8.2	8.3	8.2	8.2	---	---	---	---	---	---
10	8.3	8.2	8.2	8.3	8.2	8.2	---	---	---	---	---	---
11	8.2	8.2	8.2	8.3	8.2	8.2	---	---	---	---	---	---
12	8.2	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
13	8.2	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
14	8.3	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
15	8.3	8.2	8.3	8.3	8.2	8.3	---	---	---	---	---	---
16	8.3	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
17	8.3	8.2	8.2	8.3	8.2	8.3	---	---	---	---	---	---
18	8.3	8.2	8.2	8.3	8.3	8.3	---	---	---	---	---	---
19	8.3	8.2	8.2	8.3	8.3	8.3	---	---	---	---	---	---
20	8.3	8.2	8.2	8.3	8.3	8.3	---	---	---	---	---	---
21	8.3	8.2	8.3	8.3	8.3	8.3	---	---	---	---	---	---
22	8.3	8.2	8.3	8.3	8.2	8.3	---	---	---	---	---	---
23	8.3	8.2	8.3	8.3	8.2	8.2	---	---	---	---	---	---
24	8.3	8.2	8.2	8.2	8.1	8.2	---	---	---	---	---	---
25	8.3	8.2	8.2	8.3	8.2	8.2	---	---	---	---	---	---
26	8.3	8.2	8.2	8.2	8.1	8.2	---	---	---	---	---	---
27	8.3	8.2	8.3	8.2	8.1	8.2	---	---	---	---	---	---
28	8.3	8.2	8.3	8.1	8.0	8.1	---	---	---	---	---	---
29	8.3	8.3	8.3	8.2	8.1	8.2	---	---	---	---	---	---
30	8.3	8.2	8.3	8.3	8.2	8.3	---	---	---	---	---	---
31	---	---	---	8.3	8.2	8.3	---	---	---	---	---	---
MONTH	8.3	8.2	8.2	8.3	8.0	8.3	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
15	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
16	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
17	8.3	---	8.2	---	---	---	8.4	8.4	8.4	---	---	---
18	8.3	8.3	8.3	8.2	8.1	8.1	8.4	8.4	8.4	---	---	---
19	8.3	8.3	8.3	8.2	8.0	8.1	8.4	8.4	8.4	---	---	---
20	8.3	8.3	8.3	8.2	8.1	8.1	8.4	8.4	8.4	---	---	---
21	8.3	8.2	8.3	8.2	8.0	8.1	8.4	8.4	8.4	---	---	---
22	8.3	8.2	8.3	8.1	7.9	8.1	---	---	---	---	---	---
23	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
24	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
25	8.3	8.2	8.2	---	---	---	---	---	---	---	---	---
26	8.2	8.2	8.2	---	---	---	---	---	---	8.2	8.2	8.2
27	---	---	---	---	---	---	---	---	---	8.2	8.2	8.2
28	---	---	---	---	---	---	---	---	---	8.2	8.2	8.2
29	---	---	---	---	---	---	---	---	---	8.2	8.1	8.2
30	---	---	---	---	---	---	---	---	---	8.2	8.1	8.1
31	---	---	---	---	---	---	---	---	---	8.1	8.1	8.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	10.4	10.3	10.3	---	---	---	---	---	---
15	---	---	---	10.5	10.3	10.4	---	---	---	---	---	---
16	---	---	---	10.7	10.5	10.6	---	---	---	---	---	---
17	---	---	---	10.6	10.0	10.3	---	---	---	---	---	---
18	---	---	---	10.0	9.9	10.0	---	---	---	---	---	---
19	---	---	---	10.3	10.0	10.1	---	---	---	---	---	---
20	---	---	---	10.3	10.1	10.2	---	---	---	---	---	---
21	---	---	---	10.2	10.1	10.1	---	---	---	---	---	---
22	---	---	---	10.3	10.1	10.2	---	---	---	---	---	---
23	---	---	---	10.4	10.2	10.3	---	---	---	---	---	---
24	---	---	---	10.3	10.1	10.2	---	---	---	---	---	---
25	---	---	---	10.2	10.1	10.1	---	---	---	---	---	---
26	---	---	---	10.1	10.0	10.1	---	---	---	---	---	---
27	---	---	---	10.0	9.8	10.0	---	---	---	---	---	---
28	---	---	---	9.8	9.8	9.8	---	---	---	---	---	---
29	---	---	---	9.9	9.8	9.8	---	---	---	---	---	---
30	---	---	---	10.0	9.8	9.9	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
2	---	---	---	---	---	---	---	---	---	10.3	10.1	10.2
3	---	---	---	---	---	---	---	---	---	10.3	10.1	10.2
4	---	---	---	---	---	---	---	---	---	10.3	10.1	10.2
5	---	---	---	---	---	---	---	---	---	10.3	10.1	10.2
6	---	---	---	---	---	---	---	---	---	10.4	10.2	10.3
7	---	---	---	---	---	---	---	---	---	10.4	10.3	10.3
8	---	---	---	---	---	---	---	---	---	10.4	10.1	10.3
9	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
10	---	---	---	---	---	---	---	---	---	10.3	10.0	10.2
11	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
12	---	---	---	---	---	---	---	---	---	10.1	10.0	10.0
13	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
14	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
15	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
16	---	---	---	---	---	---	10.3	10.1	10.2	10.3	10.0	10.1
17	---	---	---	---	---	---	10.3	10.1	10.2	10.3	10.1	10.2
18	---	---	---	---	---	---	10.2	10.1	10.2	10.2	10.1	10.2
19	---	---	---	---	---	---	10.4	10.2	10.3	10.3	10.1	10.1
20	---	---	---	---	---	---	10.4	10.2	10.3	10.3	10.2	10.2
21	---	---	---	---	---	---	10.3	10.2	10.3	10.4	10.2	10.3
22	---	---	---	---	---	---	10.3	10.2	10.2	10.4	10.2	10.3
23	---	---	---	---	---	---	10.4	10.2	10.3	10.4	10.3	10.4
24	---	---	---	---	---	---	10.4	10.2	10.3	10.4	10.3	10.4
25	---	---	---	---	---	---	10.4	10.2	10.3	10.4	10.0	10.3
26	---	---	---	---	---	---	10.4	10.2	10.3	10.0	9.8	9.9
27	---	---	---	---	---	---	10.3	10.0	10.2	---	---	---
28	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
29	---	---	---	---	---	---	10.2	10.1	10.1	---	---	---
30	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	10.3	10.0	10.1	---	---	---
15	---	---	---	---	---	---	10.2	10.1	10.1	---	---	---
16	---	---	---	---	---	---	10.1	10.0	10.1	---	---	---
17	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
18	---	---	---	---	---	---	10.0	10.0	10.0	---	---	---
19	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
20	---	---	---	---	---	---	10.4	10.2	10.3	---	---	---
21	---	---	---	---	---	---	10.5	10.3	10.4	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	11.4	11.1	11.2
27	---	---	---	---	---	---	---	---	---	11.2	11.0	11.1
28	---	---	---	---	---	---	---	---	---	11.1	10.9	11.0
29	---	---	---	---	---	---	---	---	---	11.0	10.9	11.0
30	---	---	---	---	---	---	---	---	---	11.0	10.9	10.9
31	---	---	---	---	---	---	---	---	---	11.0	10.8	10.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.0	10.9	10.9	---	---	---	---	---	---	---	---	---
2	11.0	10.8	10.9	---	---	---	---	---	---	---	---	---
3	11.0	10.8	10.9	---	---	---	---	---	---	---	---	---
4	11.0	10.8	10.9	10.7	10.2	10.4	---	---	---	---	---	---
5	11.0	10.8	10.9	10.6	10.2	10.4	---	---	---	---	---	---
6	11.0	10.8	10.9	10.5	10.2	10.3	---	---	---	---	---	---
7	10.9	10.7	10.8	10.4	10.1	10.3	---	---	---	---	---	---
8	10.7	10.6	10.7	10.4	10.1	10.2	---	---	---	---	---	---
9	10.8	10.6	10.7	10.3	10.1	10.2	---	---	---	---	---	---
10	10.8	10.6	10.7	10.3	10.0	10.1	---	---	---	---	---	---
11	10.8	10.6	10.7	10.2	10.0	10.1	---	---	---	---	---	---
12	10.8	10.6	10.7	10.4	10.1	10.2	---	---	---	---	---	---
13	10.9	10.6	10.8	10.4	10.1	10.2	---	---	---	---	---	---
14	10.8	10.6	10.7	10.3	10.0	10.2	---	---	---	---	---	---
15	10.8	10.6	10.7	10.3	10.0	10.1	---	---	---	---	---	---
16	10.9	10.7	10.8	10.3	10.0	10.1	---	---	---	---	---	---
17	10.9	10.8	10.9	10.1	10.0	10.0	---	---	---	---	---	---
18	10.9	10.8	10.9	10.1	9.9	10.0	---	---	---	---	---	---
19	10.8	10.7	10.8	10.3	10.0	10.2	---	---	---	---	---	---
20	10.7	10.5	10.7	10.2	10.0	10.1	---	---	---	---	---	---
21	10.8	10.6	10.7	10.1	9.8	10.0	---	---	---	---	---	---
22	---	---	---	10.3	9.9	10.1	---	---	---	---	---	---
23	---	---	---	10.4	9.8	10.1	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
OCT											
06...	1030	13300	8.56	900	--	8.4	--	24.5	10.5	--	706
06...	1245	16200	9.88	--	--	--	--	--	11.0	--	705
06...	1430	16300	9.93	11	--	--	--	--	10.0	--	705
06...	1630	15200	9.43	--	--	--	--	--	10.5	--	703
06...	1915	12700	8.28	850	900	8.4	8.2	--	10.5	1.7	703
06...	2045	11300	7.58	--	--	--	--	--	11.0	--	705
07...	0630	6220	4.32	--	--	--	--	--	10.0	--	706
07...	0830	5910	4.07	860	894	8.3	8.2	--	10.0	1.0	707
07...	1100	5670	3.88	--	--	--	--	--	10.0	--	708
07...	1445	5580	3.81	--	--	--	--	--	10.0	--	705
07...	1525	5570	3.80	900	--	8.3	--	28.5	10.0	--	705
07...	1645	5570	3.80	--	--	--	--	--	10.0	--	705
07...	1830	5570	3.80	--	--	--	--	--	10.0	--	705
07...	2200	5550	3.78	900	--	8.4	--	23.0	10.0	--	707
08...	0805	5480	3.72	975	--	8.3	--	20.0	10.5	--	710
08...	1030	5480	3.72	--	--	--	--	--	10.0	--	708
08...	1330	5470	3.71	--	--	--	--	--	10.0	--	707
08...	1430	5460	3.70	--	--	--	--	--	10.5	--	706
08...	1605	5460	3.70	975	996	8.3	8.2	27.0	10.5	0.80	705
08...	2215	5490	3.73	950	--	8.4	--	23.0	10.5	--	706
09...	0700	5480	3.72	940	--	8.4	--	18.5	10.5	--	708
09...	0800	5480	3.72	--	--	--	--	--	10.5	--	708
09...	1000	5480	3.72	--	--	--	--	--	10.5	--	708
09...	1130	5480	3.72	--	--	--	--	--	10.5	--	708
09...	1430	5480	3.72	990	1030	8.4	8.2	30.0	10.5	0.60	706
09...	1600	5480	3.72	--	--	--	--	--	10.5	--	705
09...	2215	5480	3.72	950	--	8.4	--	21.5	10.5	--	705
10...	0740	5460	3.70	950	991	8.3	7.9	20.5	11.0	190	708
10...	0815	5460	3.70	--	--	--	--	--	11.0	--	707
10...	1030	5440	3.69	--	--	--	--	--	10.5	--	707
10...	1430	5440	3.69	--	--	--	--	--	11.0	--	704
10...	1530	5440	3.69	900	--	8.3	--	31.0	11.0	--	703
10...	1930	5430	3.68	--	--	--	--	--	11.0	--	703
10...	2230	5420	3.67	890	--	8.4	--	23.5	10.5	--	704
11...	0755	4640	3.01	910	975	8.3	8.2	19.0	11.0	170	707
11...	0900	7350	5.17	--	--	--	--	--	11.0	--	707
11...	0945	10800	7.31	--	--	--	--	--	11.0	--	707
11...	1030	13400	8.63	910	--	8.3	--	24.0	11.0	--	707
MAY											
06...	1130	9180	6.19	1030	--	--	--	--	12.0	--	702
JUL											
06...	0830	23800	12.43	925	--	8.1	--	31.5	12.0	--	700
AUG											
03...	1500	19300	10.98	970	--	8.0	--	31.5	11.5	--	708

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (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)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT										
06...	11.0	107	--	--	--	--	--	--	--	--
06...	10.4	102	--	--	--	--	--	--	--	--
06...	11.0	105	--	--	--	--	--	--	--	--
06...	10.7	103	--	--	--	--	--	--	--	--
06...	10.6	102	--	--	260	66	24	80	3.7	0
06...	10.6	104	--	--	--	--	--	--	--	--
07...	10.4	101	--	--	--	--	--	--	--	--
07...	10.6	102	--	--	250	64	23	80	3.5	4
07...	10.8	103	--	--	--	--	--	--	--	--
07...	10.9	104	--	--	--	--	--	--	--	--
07...	10.6	102	--	--	--	--	--	--	--	--
07...	10.6	104	--	--	--	--	--	--	--	--
07...	10.6	104	--	--	--	--	--	--	--	--
07...	10.5	100	--	--	--	--	--	--	--	--
08...	10.8	104	--	--	--	--	--	--	--	--
08...	10.5	100	--	--	--	--	--	--	--	--
08...	10.7	102	--	--	--	--	--	--	--	--
08...	10.3	100	--	--	--	--	--	--	--	--
08...	10.4	101	--	--	280	69	25	98	3.6	5
08...	10.1	98	--	--	--	--	--	--	--	--
09...	11.2	108	--	--	--	--	--	--	--	--
09...	10.6	102	--	--	--	--	--	--	--	--
09...	10.6	102	--	--	--	--	--	--	--	--
09...	10.6	102	--	--	--	--	--	--	--	--
09...	10.6	103	--	--	270	68	25	100	3.7	6
09...	10.5	101	--	--	--	--	--	--	--	--
09...	10.5	102	--	--	--	--	--	--	--	--
10...	10.2	101	--	--	260	66	24	97	3.9	4
10...	10.2	101	--	--	--	--	--	--	--	--
10...	10.4	101	--	--	--	--	--	--	--	--
10...	10.5	103	--	--	--	--	--	--	--	--
10...	10.8	106	--	--	--	--	--	--	--	--
10...	10.4	102	--	--	--	--	--	--	--	--
10...	10.3	100	--	--	--	--	--	--	--	--
11...	11.2	110	--	--	260	65	24	94	3.5	2
11...	9.5	93	--	--	--	--	--	--	--	--
11...	10.4	102	--	--	--	--	--	--	--	--
11...	10.4	101	--	--	--	--	--	--	--	0
MAY										
06...	10.6	107	--	--	--	--	--	--	--	--
JUL										
06...	10.3	104	K8	K10	--	--	--	--	--	0
AUG										
03...	10.5	102	--	--	--	--	--	--	--	--

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	190	156	143	220	68	0.30	8.1	568	565	--
06...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	168	144	141	220	69	0.30	8.0	564	556	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
08...	190	156	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	177	153	149	220	100	0.30	8.2	625	618	--
08...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	181	158	152	220	110	0.30	8.2	622	632	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
10...	178	152	148	220	98	0.30	7.9	614	610	0.250
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	0.290
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	0.290
11...	183	154	145	210	95	0.30	7.8	583	593	0.290
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	184	151	--	--	--	--	--	--	--	0.270
MAY										
06...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	171	140	--	--	--	--	--	--	--	--
AUG										
03...	--	--	--	--	--	--	--	--	--	--

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	<0.010	0.300	0.340	0.020	0.130	--	<0.20	--	--	0.010
06...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	<0.010	0.300	0.320	<0.010	0.020	--	0.30	0.60	2.7	<0.010
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	<0.010	0.400	0.390	0.020	0.010	0.18	0.20	0.60	2.7	<0.010
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	<0.010	0.340	0.370	0.020	0.010	0.48	0.50	0.84	3.7	<0.010
08...	<0.010	0.340	0.370	0.010	<0.010	--	<0.20	--	--	<0.010
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	<0.010	0.300	0.320	0.020	0.050	--	<0.20	--	--	0.010
08...	<0.010	0.300	0.350	0.010	0.060	0.49	0.50	0.80	3.5	0.010
09...	<0.010	0.330	0.360	0.180	0.100	0.72	0.90	1.2	5.4	0.010
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	<0.010	0.300	0.310	0.010	0.020	--	<0.20	--	--	<0.010
09...	--	--	--	--	--	--	--	--	--	--
09...	<0.010	0.300	0.340	0.010	0.160	0.19	0.20	0.50	2.2	<0.010
10...	0.050	0.300	0.340	0.090	0.040	0.21	0.30	0.60	2.7	0.270
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	0.030	0.320	0.360	0.070	0.210	0.13	0.20	0.52	2.3	0.170
10...	--	--	--	--	--	--	--	--	--	--
10...	0.010	0.300	0.310	0.020	0.170	0.28	0.30	0.60	2.7	0.010
11...	0.010	0.300	0.310	0.030	0.020	0.27	0.30	0.60	2.7	<0.010
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	0.030	0.300	0.320	0.050	0.090	0.15	0.20	0.50	2.2	0.050
MAY										
06...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	--	--	--	--	--	--	--	--	--	--
AUG										
03...	--	--	--	--	--	--	--	--	--	--

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	PHOS-PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS ORGANIC TOTAL (MG/L AS P) (00670)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
06...	0.03	0.020	0.010	0.030	0.09	0.0	2.8	61	2090	44
06...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	<0.010	<0.010	<0.010	--	--	2.7	22	351	78
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	0.03	<0.010	0.010	<0.010	--	--	2.9	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	0.03	<0.010	0.010	<0.010	--	--	2.8	--	--	--
08...	0.03	<0.010	0.010	<0.010	--	--	2.9	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	0.06	<0.010	0.020	<0.010	--	0.0	2.7	E4	--	E69
08...	0.03	<0.010	0.010	<0.010	--	0.0	2.6	--	--	--
09...	0.06	<0.010	0.020	<0.010	--	0.0	2.6	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
09...	--	<0.010	<0.010	<0.010	--	--	2.7	4	59	81
09...	--	--	--	--	--	--	--	--	--	--
09...	0.06	<0.010	0.020	<0.010	--	--	2.6	--	--	--
10...	0.46	<0.010	0.150	<0.010	--	0.12	4.9	341	5030	100
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	0.15	<0.010	0.050	0.020	0.06	0.12	6.1	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	0.09	<0.010	0.030	<0.010	--	0.0	--	--	--	--
11...	0.09	<0.010	0.030	<0.010	--	--	5.5	296	3710	100
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	0.25	<0.010	0.080	<0.010	--	0.0	4.0	--	--	--
MAY										
06...	--	--	--	--	--	--	--	12	307	81
JUL										
06...	--	--	--	--	--	--	--	--	--	--
AUG										
03...	--	--	--	--	--	--	--	--	--	--

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT												
24...	1245	8500	5.64	990	8.1	--	10.0	--	--	--	--	--
FEB												
03...	1330	14800	8.96	1100	8.4	--	7.0	--	--	716	11.6	102
MAR												
30...	1430	8410	5.59	1190	8.2	24.0	9.0	70	12.0	718	10.8	97
JUL												
07...	1215	21900	11.68	970	8.1	35.0	11.0	7.2	--	707	10.9	107
SEP												
16...	1630	10500	6.86	1010	8.3	25.0	10.5	7.5	5.00	715	10.8	103

DATE	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	CAR-BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)
OCT												
24...	--	--	--	--	--	--	253	5800	96	--	--	--
FEB												
03...	149	5	172	--	--	--	124	4960	21	--	--	--
MAR												
30...	--	--	--	13	183	172	217	4930	81	85	91	96
JUL												
07...	--	--	--	0	183	150	558	33000	19	--	--	--
SEP												
16...	--	--	--	0	173	142	172	4880	90	94	98	100

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
NOV									
12...	1330	12100	7.85	1020	8.3	17.0	11.5	2.2	84.0
JAN									
15...	1730	14200	8.83	958	8.3	--	8.5	--	--
16...	1645	14500	--	--	--	--	--	1.4	--
MAR									
24...	1630	12700	8.10	1040	8.3	14.0	9.0	100	3.00
MAY									
28...	0855	11300	7.30	1050	8.2	--	12.0	450	--
30...	0935	10700	7.11	--	--	--	11.0	--	--
JUL									
30...	1005	17600	10.39	1010	8.2	34.5	12.5	760	--

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
12...	717	10.5	103	0	187	153	53	1730	32
JAN									
15...	725	--	--	6	156	138	--	--	--
16...	--	--	--	--	--	--	128	5010	--
MAR									
24...	719	11.3	103	0	166	136	595	20400	--
MAY									
28...	698	10.1	102	0	184	151	--	--	--
30...	--	--	--	--	--	--	7560	218000	--
JUL									
30...	696	10.0	102	0	171	140	2550	121000	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV									
12...	--	--	--	--	--	--	--	--	--
JAN									
15...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	37	58	88	100
MAR									
24...	--	--	--	--	--	86	97	99	100
MAY									
28...	--	--	--	--	--	--	--	--	--
30...	54	66	79	89	95	98	100	--	--
JUL									
30...	--	--	--	--	--	87	95	100	--

Table 8. 09402500, Colorado River near Grand Canyon, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
OCT												
16...	1450	11200	7.43	1000	8.2	11.0	2.2	--	700	10.1	100	179
JAN												
26...	0928	18000	10.62	950	8.2	7.0	--	1.80	--	--	--	<176
APR												
12...	1040	8560	6.10	1060	8.1	11.0	--	--	695	10.0	99	--

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT												
16...	147	102	3080	--	--	--	--	--	52	89	99	100
JAN												
26...	<144	12400	601000	20	22	23	26	33	43	86	99	100
APR												
12...	--	--	--	--	--	--	--	--	--	--	--	--

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93

STATION DESCRPTION

LOCATION—Lat 36°06'11", long 112°05'44", in sec. 5, T.31 N., R.3 E. (unsurveyed), Coconino County, in Grand Canyon National Park, on right bank 0.4 mi, upstream from mouth, and 4 mi northeast of Grand Canyon.

DRAINAGE AREA.--101 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to March 1974, and October 1990 to April 1993 (discontinued).

GAGE.--Water-stage recorder. Zero datum of gage is 2,499.07 ft above sea level (National Park Service bench mark). Nonrecording gages at several sites within 3,200 ft of the mouth at various datums, October 20, 1923, to January 29, 1933, and August 25, 1936, to April 21, 1943. Water-stage recorder, 1,400 ft downstream from present site at datum 35.5 ft lower, January 30, 1933, to August 19, 1936. Water-stage recorder, 1,600 ft downstream from present site at datum 40.0 ft lower, April 22, 1943, to May 22, 1968. Nonrecording gage, 100 ft downstream from present site at datum 4.56 ft higher, November 14, 1968, to July 18, 1971. Nonrecording gage and crest-stage gage, 100 ft downstream from present site at datum 2.45 higher, July 19, 1974, to March 31, 1974.

REMARKS—Records poor. Diversion above station at Roaring Springs for municipal supply at Grand Canyon Village; excess supply during pumping hours and diversion of supply during nonpumping hours flows into Garden Creek, which is another tributary of the Colorado River.

AVERAGE DISCHARGE—35 ft^3/s, 1923–73.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 4,400 ft^3/s, August 19, 1936, from rating curve extended above 250 ft^3/s on basis of slope-area measurement of peak flow; minimum daily discharge, 10 ft^3/s, September 28 to October 1, 1961, and September 11 and 13, 1992.

EXTREMES FOR DATA PERIOD—Maximum discharge, 424 ft^3/s, January 8, 1993, gage height, 4.90 ft; minimum daily discharge, 10 ft^3/s, September 11 and 13, 1992.

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Discharge, cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	18	18	16	17	38	25	70	30	20	17	17
2	---	19	18	16	17	31	24	81	27	19	17	16
3	---	19	18	17	17	25	23	e80	27	18	17	16
4	---	18	18	22	17	24	23	76	23	17	17	16
5	---	18	18	30	17	37	23	70	22	18	17	16
6	---	19	18	20	17	23	26	71	22	18	17	17
7	---	19	18	19	17	21	27	78	23	17	17	26
8	---	19	18	19	17	20	29	86	21	17	17	18
9	---	18	18	19	17	19	32	103	21	17	17	17
10	---	18	18	18	17	19	34	128	20	17	17	17
11	---	18	18	18	18	19	36	117	21	17	18	17
12	---	18	19	18	18	19	36	90	25	17	17	17
13	---	18	19	17	18	19	33	72	24	16	17	17
14	---	18	19	17	18	19	30	64	20	16	20	17
15	---	18	19	17	17	20	29	64	19	16	18	17
16	---	18	19	18	18	21	30	66	23	16	16	16
17	---	18	22	18	18	20	35	58	24	16	16	17
18	---	19	19	17	18	19	43	63	23	16	18	17
19	---	19	19	17	17	19	48	61	24	16	16	17
20	---	20	19	17	17	20	51	58	23	17	16	17
21	---	19	19	17	17	20	54	53	23	17	16	17
22	---	19	18	17	17	20	61	53	21	17	16	17
23	---	19	19	17	17	20	68	57	20	17	16	17
24	---	19	23	17	17	20	65	49	25	16	16	17
25	---	19	18	17	17	20	71	45	25	16	16	16
26	---	20	16	17	17	29	73	41	23	17	16	17
27	---	20	17	17	17	24	69	41	19	17	16	17
28	19	19	18	17	19	25	66	40	19	16	16	18
29	19	18	19	17	---	27	62	36	18	17	16	18
30	19	18	18	17	---	27	63	33	21	17	16	18
31	19	---	17	17	---	26	---	33	---	17	16	---
TOTAL	---	559	574	557	485	710	1289	2037	676	525	518	517
MEAN	---	18.6	18.5	18.0	17.3	22.9	43.0	65.7	22.5	16.9	16.7	17.2
MAX	---	20	23	30	19	38	73	128	30	20	20	26
MIN	---	18	16	16	17	19	23	33	18	16	16	16
ACRE-FT	---	1110	1140	1100	962	1410	2560	4040	1340	1040	1030	1030

e Estimated.

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Discharge, cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	18	17	17	17	17	29	137	62	27	16	17
2	18	18	17	17	17	19	26	134	59	26	16	17
3	17	18	17	17	17	28	26	125	56	25	16	18
4	18	18	17	18	17	30	25	115	53	23	16	17
5	18	18	17	18	17	25	25	103	49	23	17	15
6	18	18	17	19	17	22	27	97	47	21	17	17
7	18	19	17	18	17	20	30	93	46	21	17	15
8	18	18	17	18	18	22	35	85	45	21	16	15
9	18	19	17	17	17	23	40	81	44	20	16	16
10	18	19	18	17	18	24	46	75	40	22	16	17
11	18	19	20	17	20	24	54	70	36	23	16	13
12	18	18	18	17	19	22	63	63	36	22	16	13
13	18	18	17	17	27	21	75	60	35	22	16	13
14	18	19	17	17	23	20	90	57	34	19	16	15
15	18	21	17	17	19	20	97	55	34	19	15	---
16	18	18	17	17	20	20	102	52	32	20	15	---
17	18	18	17	18	19	20	107	50	31	19	15	---
18	18	19	18	17	19	20	107	48	29	17	15	---
19	18	18	19	17	18	20	108	46	28	17	15	---
20	18	17	18	17	18	20	105	46	28	17	16	---
21	20	17	17	18	18	26	89	48	27	17	18	---
22	20	17	17	18	18	24	92	48	25	17	20	---
23	19	17	17	18	18	25	96	44	25	17	18	---
24	19	17	17	17	18	25	105	47	27	---	17	---
25	19	17	17	17	17	21	109	45	27	---	17	---
26	18	17	18	17	18	20	116	45	26	---	17	---
27	19	17	17	18	18	19	124	45	25	---	16	---
28	19	17	17	18	17	22	129	46	25	e16	16	---
29	18	18	18	18	17	24	137	48	26	16	16	---
30	19	17	18	17	---	22	139	e53	26	16	58	---
31	18	---	18	17	---	23	---	60	---	16	27	---
TOTAL	566	539	540	540	533	688	2353	2121	1083	---	558	---
MEAN	18.3	18.0	17.4	17.4	18.4	22.2	78.4	68.4	36.1	---	18.0	---
MAX	20	21	20	19	27	30	139	137	62	---	58	---
MIN	17	17	17	17	17	17	25	44	25	---	15	---
ACRE-FT	1120	1070	1070	1070	1060	1360	4670	4210	2150	---	1110	---

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	8959	24.5	128	16	17770

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Discharge, cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	28	23	26	35	105	135	---	---	---	---	---
2	---	27	24	26	32	101	140	---	---	---	---	---
3	---	27	24	26	31	100	148	---	---	---	---	---
4	---	28	24	25	30	96	156	---	---	---	---	---
5	---	27	24	25	29	93	169	---	---	---	---	---
6	---	28	25	28	29	92	175	---	---	---	---	---
7	---	28	24	106	29	94	158	---	---	---	---	---
8	---	28	25	186	51	98	151	---	---	---	---	---
9	---	28	24	42	69	99	150	---	---	---	---	---
10	---	26	24	37	54	101	163	---	---	---	---	---
11	---	26	24	36	45	103	194	---	---	---	---	---
12	---	25	25	31	36	99	237	---	---	---	---	---
13	---	25	24	33	35	97	---	---	---	---	---	---
14	---	25	24	38	34	97	---	---	---	---	---	---
15	e18	24	24	37	36	100	---	---	---	---	---	---
16	18	24	24	95	36	102	---	---	---	---	---	---
17	18	24	23	132	33	107	---	---	---	---	---	---
18	18	24	24	79	33	118	---	---	---	---	---	---
19	17	24	24	77	74	118	---	---	---	---	---	---
20	17	24	24	54	152	119	---	---	---	---	---	---
21	17	24	23	45	109	119	---	---	---	---	---	---
22	17	24	23	41	104	120	---	---	---	---	---	---
23	17	24	23	36	100	124	---	---	---	---	---	---
24	19	24	23	32	105	140	---	---	---	---	---	---
25	19	24	23	31	99	150	---	---	---	---	---	---
26	17	24	23	31	98	162	---	---	---	---	---	---
27	17	24	23	30	97	189	---	---	---	---	---	---
28	18	23	38	29	103	168	---	---	---	---	---	---
29	18	23	30	29	---	151	---	---	---	---	---	---
30	18	24	28	37	---	145	---	---	---	---	---	---
31	59	---	26	35	---	137	---	---	---	---	---	---
TOTAL	---	758	764	1515	1718	3644	---	---	---	---	---	---
MEAN	---	25.3	24.6	48.9	61.4	118	---	---	---	---	---	---
MAX	---	28	38	186	152	189	---	---	---	---	---	---
MIN	---	23	23	25	29	92	---	---	---	---	---	---
ACRE-FT	---	1500	1520	3010	3410	7230	---	---	---	---	---	---

e Estimated.

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—October 1952 to March 1974, May 1990 to April 1993.

PERIOD OF DAILY RECORD—
WATER TEMPERATURE: October 1990 to April 1993.
SPECIFIC CONDUCTANCE: October 1990 to April 1993.
pH: October 1990 to April 1993.
DISSOLVED-OXYGEN CONCENTRATION: October 1990 to April 1993.

INSTRUMENTATION—Water-temperature, specific-conductance, pH and dissolved-oxygen recorder from October 1990 to April 1993.

REMARKS—
TEMPERATURE: Record good and within 0.5°C, except for January 3, 1991, to May 14, 1991, which is poor and could exceed 1.0°C.
SPECIFIC CONDUCTANCE: Record good and within 5 percent, except for January 3, 1991, to February 4, 1991, which is fair and within 10 percent.
pH: Record good and within 0.2 units.
DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L, except for January 26, 1993, to March 4, 1993, which is fair and within 1.0 mg/L, and May 14, 1991, to July 8, 1991, which is poor and could exceed 1.0 mg/L.

EXTREMES FOR DATA PERIOD—
WATER TEMPERATURE: Maximum, 25.7°C July 13, 1991; minimum, 1.0°C December 23–24, 1990.
SPECIFIC CONDUCTANCE: Maximum, 698 μS/cm, August 21, 1992; minimum, 206 μS/cm, December 28, 1992.
pH: Maximum, 8.9 units, January 31, February 1 and 3, 1991, and on many days in water years 1992 and 1993; minimum, 7.8 units, October 31, November 1, 1992.
DISSOLVED-OXYGEN CONCENTRATION: Maximum, 13.6 mg/L, December 23–24, 1990; minimum, 7.8 mg/L, July 7, 1991.

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	14.3	12.2	13.1	7.3	5.6	6.6	3.8	2.3	3.2
2	---	---	---	12.2	10.7	11.5	7.4	6.0	6.7	4.2	2.7	3.4
3	---	---	---	11.3	9.8	10.7	6.7	5.4	6.2	5.0	3.8	4.5
4	---	---	---	11.0	9.3	10.3	6.6	5.0	5.9	5.3	4.2	4.8
5	---	---	---	11.2	9.4	10.4	7.1	5.2	6.2	6.6	4.7	5.8
6	---	---	---	10.7	9.5	10.1	6.6	5.1	6.0	7.7	6.0	7.1
7	---	---	---	9.5	8.5	9.0	6.6	5.1	6.0	8.1	7.4	7.7
8	---	---	---	9.9	7.9	9.0	6.7	5.1	6.0	8.0	7.4	7.7
9	---	---	---	11.0	9.0	10.0	7.1	5.0	6.3	7.8	6.8	7.3
10	---	---	---	11.3	9.5	10.5	7.1	5.6	6.5	8.3	7.2	7.8
11	---	---	---	11.4	9.6	10.6	7.7	5.6	6.6	7.8	6.0	7.1
12	---	---	---	11.5	9.8	10.8	9.6	7.7	8.7	7.4	6.0	6.8
13	---	---	---	11.6	10.0	10.9	9.8	8.3	9.2	7.4	5.6	6.6
14	---	---	---	11.7	10.1	11.0	9.5	7.0	8.1	7.3	5.8	6.5
15	---	---	---	12.0	9.7	11.0	7.3	5.6	6.6	7.8	6.0	7.0
16	---	---	---	12.5	10.0	11.4	8.5	6.9	7.7	7.7	6.8	7.2
17	---	---	---	12.2	10.4	11.4	7.9	5.9	6.6	6.9	5.8	6.5
18	---	---	---	12.0	10.0	11.2	6.9	5.2	6.1	7.0	5.7	6.4
19	---	---	---	12.0	10.0	11.2	7.1	5.6	6.5	7.5	5.9	6.7
20	---	---	---	12.4	9.9	11.2	6.6	3.9	5.4	7.4	6.6	6.9
21	---	---	---	11.0	9.4	10.0	4.2	2.7	3.5	6.7	5.9	6.3
22	---	---	---	9.6	7.8	8.8	2.7	1.1	1.8	6.2	5.0	5.7
23	---	---	---	9.2	7.4	8.5	1.4	1.0	1.2	6.2	5.0	5.7
24	---	---	---	9.1	7.4	8.4	1.5	1.0	1.2	6.6	5.2	5.9
25	---	---	---	10.3	7.4	8.7	2.3	1.2	1.7	6.8	5.5	6.2
26	---	---	---	10.3	7.4	9.2	2.9	1.8	2.4	6.8	5.6	6.3
27	---	---	---	7.4	5.8	6.6	3.3	1.4	2.4	6.8	5.7	6.3
28	14.5	12.2	13.5	6.9	5.4	6.2	4.2	3.3	3.7	6.9	5.6	6.3
29	14.7	12.5	13.7	6.9	5.1	6.1	6.1	4.1	5.2	6.8	5.5	5.9
30	14.5	12.5	13.7	7.2	5.6	6.5	4.1	2.3	3.0	5.8	4.4	5.2
31	15.2	13.5	14.1	---	---	---	3.6	2.1	2.9	6.3	4.8	5.6
MONTH	---	---	---	14.3	5.1	9.8	9.8	1.0	5.3	8.3	2.3	6.2

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	6.9	5.5	6.2	10.7	9.0	9.9	12.3	10.1	11.4	14.8	11.3	13.0
2	7.2	5.5	6.4	11.4	8.9	9.9	14.1	9.9	12.0	13.5	10.8	12.3
3	7.5	6.0	6.9	11.6	8.8	10.2	14.9	11.1	13.1	12.6	10.8	11.7
4	8.0	6.2	7.2	12.0	10.1	11.0	15.3	11.9	13.7	14.4	10.8	12.3
5	8.2	5.5	7.0	12.2	10.5	11.5	15.6	12.6	14.3	14.7	11.3	12.9
6	8.8	6.6	7.7	10.8	9.0	10.0	15.7	13.2	14.6	14.7	11.9	13.3
7	8.3	6.2	7.3	10.4	8.3	9.3	15.8	13.2	14.6	15.7	12.2	13.8
8	10.1	6.9	8.3	10.1	7.8	9.1	14.9	12.0	13.7	15.9	12.8	14.3
9	9.9	6.8	8.4	10.5	8.3	9.4	14.7	11.0	13.0	15.3	13.2	14.2
10	9.9	6.3	8.3	11.3	9.9	10.5	14.7	11.6	13.1	13.7	11.4	12.5
11	9.9	6.9	8.5	10.8	9.2	10.1	12.3	8.9	10.6	12.8	10.7	11.6
12	11.7	8.0	9.5	10.2	7.7	9.0	11.3	8.3	9.8	14.7	10.5	12.4
13	11.3	7.4	9.4	11.0	8.0	9.6	12.8	8.9	10.7	15.1	11.4	13.2
14	11.6	7.7	9.8	10.1	8.9	9.4	14.1	9.6	11.8	13.8	11.2	12.5
15	12.0	8.0	10.1	9.2	8.5	8.8	14.7	11.3	13.1	16.9	10.6	12.8
16	12.0	9.9	10.9	9.9	7.8	8.8	15.2	11.9	13.5	17.0	10.6	13.2
17	11.9	8.7	10.0	11.1	8.1	9.5	14.9	11.3	13.2	16.7	11.2	13.3
18	9.5	6.2	7.8	11.9	8.7	10.3	14.7	11.1	12.9	15.6	11.0	12.6
19	8.5	5.2	7.0	11.4	9.6	10.4	14.4	11.3	12.9	16.2	10.3	12.7
20	9.6	5.8	7.9	9.9	8.3	9.2	15.2	11.9	13.5	16.7	10.7	13.1
21	10.1	7.6	8.9	10.1	8.4	9.1	14.8	11.6	13.3	16.7	11.0	13.2
22	10.8	8.1	9.6	10.8	8.0	9.3	14.8	12.0	13.4	13.9	11.0	12.3
23	10.8	8.5	9.7	12.0	8.5	10.2	15.2	12.2	13.6	17.4	11.2	13.7
24	11.1	8.5	9.9	12.3	9.3	10.9	15.0	12.2	13.6	18.2	11.9	14.5
25	10.7	8.3	9.7	12.5	10.2	11.3	14.2	12.5	13.2	17.8	12.7	14.9
26	10.7	8.3	9.6	11.4	8.3	9.5	13.7	11.3	12.5	18.3	12.5	14.9
27	11.3	8.5	10.0	8.9	8.0	8.4	13.1	10.8	12.0	17.8	12.0	14.4
28	11.6	10.5	11.0	11.9	8.3	9.8	13.4	9.8	11.5	17.7	11.2	14.1
29	---	---	---	11.7	8.7	10.3	14.2	10.1	12.1	18.2	11.7	14.5
30	---	---	---	11.9	8.3	10.1	14.3	10.8	12.6	16.8	12.0	14.2
31	---	---	---	12.8	8.9	10.9	---	---	---	14.0	12.1	12.8
MONTH	12.0	5.2	8.7	12.8	7.7	9.9	15.8	8.3	12.8	18.3	10.3	13.3

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.6	11.8	12.6	23.0	16.5	19.5	24.0	19.5	21.5	20.3	18.5	19.4
2	18.0	11.2	14.2	23.5	17.5	20.2	24.7	19.5	21.7	23.1	17.6	19.9
3	19.8	13.1	16.1	23.7	18.0	20.7	25.1	19.5	21.7	22.8	18.1	20.3
4	18.4	14.0	16.2	24.5	18.2	21.0	21.5	19.2	20.3	22.0	18.0	19.7
5	20.0	14.1	16.6	23.7	18.9	21.1	20.7	17.7	19.3	20.6	18.7	19.6
6	20.3	14.1	16.8	23.2	18.5	20.5	23.4	18.0	19.9	19.8	18.2	18.9
7	20.5	14.0	16.9	23.4	19.0	20.9	23.7	16.9	19.8	19.4	17.9	18.7
8	20.4	14.4	17.2	---	---	---	24.2	17.3	20.4	21.3	17.2	19.0
9	20.7	14.6	17.4	20.8	18.3	19.7	24.5	18.3	21.0	20.7	17.2	18.8
10	20.8	15.4	17.9	23.9	17.7	20.4	22.6	19.5	20.7	20.9	17.5	18.7
11	19.0	16.2	17.6	23.3	18.3	20.3	20.2	18.7	19.4	19.3	16.8	18.0
12	22.0	15.7	18.3	24.2	17.8	20.5	24.4	19.0	21.2	20.0	16.2	17.9
13	20.9	16.0	18.2	25.7	18.0	21.1	24.8	19.5	21.7	19.7	15.7	17.7
14	21.7	15.9	18.3	24.7	18.7	21.4	24.1	19.2	21.2	19.8	15.8	17.7
15	22.0	15.6	18.3	25.5	18.7	21.5	24.7	18.8	21.0	20.0	16.2	17.9
16	22.0	15.5	18.3	25.5	18.8	21.6	24.7	17.8	20.7	19.0	15.5	17.2
17	21.5	15.7	18.4	23.3	19.3	21.3	22.2	18.2	19.9	19.8	15.4	17.2
18	20.9	16.2	18.4	22.8	19.4	21.2	23.3	18.1	20.1	19.2	14.6	16.8
19	22.2	16.5	18.7	21.6	18.8	20.1	24.5	18.2	20.8	20.7	15.1	17.6
20	21.6	15.2	18.0	19.8	18.3	19.0	24.2	18.0	20.8	20.9	16.2	18.1
21	21.6	15.5	18.0	22.7	17.7	20.0	22.5	18.3	20.4	19.9	15.7	17.7
22	21.5	15.2	17.9	22.7	18.7	20.5	21.5	19.0	20.3	18.9	16.2	17.5
23	21.7	15.4	18.0	23.9	18.1	20.6	22.7	18.7	20.6	21.0	16.1	18.1
24	18.7	15.4	16.9	21.8	18.6	20.3	24.7	19.0	21.2	19.9	15.1	17.4
25	20.5	14.9	17.2	23.2	18.1	20.3	23.5	19.0	21.0	19.8	14.7	17.0
26	20.7	15.4	17.6	23.7	18.2	20.6	23.2	19.0	20.9	19.1	15.0	17.1
27	17.7	15.1	16.5	24.2	18.5	21.0	22.5	19.7	20.9	19.3	16.0	17.3
28	21.0	14.7	17.3	25.0	18.5	21.3	24.5	19.3	21.3	17.8	15.9	16.8
29	21.7	15.5	18.1	22.0	18.9	20.6	24.0	18.5	20.9	19.6	15.4	17.3
30	22.5	15.9	18.7	24.5	19.1	21.3	21.3	18.5	20.0	19.7	15.3	17.4
31	---	---	---	22.1	19.5	20.9	20.3	19.0	19.6	---	---	---
MONTH	22.5	11.2	17.4	---	---	---	25.1	16.9	20.7	23.1	14.6	18.1

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19.5	15.2	17.2	10.0	7.4	8.8	---	---	---	---	---	---
2	19.1	14.9	16.7	11.1	8.5	9.9	---	---	---	---	---	---
3	18.5	14.1	16.1	10.4	8.3	9.4	---	---	---	---	---	---
4	18.0	13.9	15.7	10.4	8.0	9.3	---	---	---	---	---	---
5	17.2	13.0	15.1	11.5	9.0	10.2	---	---	---	---	---	---
6	17.5	13.1	15.2	12.3	9.8	11.1	---	---	---	---	---	---
7	17.5	13.4	15.4	12.7	10.3	11.6	---	---	---	---	---	---
8	17.8	14.0	15.9	13.4	11.0	12.1	---	---	---	---	---	---
9	17.8	14.4	16.0	13.5	11.3	12.5	---	---	---	---	---	---
10	17.6	13.9	15.7	14.2	12.5	13.1	---	---	---	---	---	---
11	17.7	13.9	15.7	13.6	11.9	12.6	---	---	---	---	---	---
12	17.5	14.1	15.8	13.1	11.3	12.0	---	---	---	---	---	---
13	17.7	13.9	15.7	---	---	---	---	---	---	---	---	---
14	17.0	13.5	15.2	---	---	---	---	---	---	---	---	---
15	16.8	13.0	14.9	---	---	---	---	---	---	---	---	---
16	16.7	13.0	14.8	---	---	---	---	---	---	---	---	---
17	16.7	13.0	14.9	---	---	---	---	---	---	---	---	---
18	16.6	13.2	14.9	---	---	---	---	---	---	---	---	---
19	16.2	13.1	14.7	---	---	---	---	---	---	---	---	---
20	16.0	13.0	14.6	---	---	---	---	---	---	---	---	---
21	15.5	12.9	14.3	---	---	---	---	---	---	---	---	---
22	16.7	13.7	14.8	---	---	---	---	---	---	---	---	---
23	15.6	13.8	14.4	---	---	---	---	---	---	---	---	---
24	15.5	12.9	13.7	---	---	---	---	---	---	---	---	---
25	14.2	11.9	13.0	---	---	---	---	---	---	---	---	---
26	14.1	11.3	12.6	---	---	---	---	---	---	---	---	---
27	13.3	10.8	12.0	---	---	---	---	---	---	---	---	---
28	10.8	8.6	9.5	---	---	---	---	---	---	---	---	---
29	9.7	7.8	8.8	---	---	---	---	---	---	---	---	---
30	10.0	8.4	9.1	---	---	---	---	---	---	---	---	---
31	9.1	6.7	8.0	---	---	---	---	---	---	---	---	---
MONTH	19.5	6.7	14.2	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	17.4	13.0	14.9
31	---	---	---	---	---	---	---	---	---	20.0	13.0	15.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	20.3	13.3	16.0	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	25.6	18.0	21.2	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	13.5	12.4	13.0	6.6	4.6	5.7	8.1	6.1	7.2
2	---	---	---	14.6	12.6	13.5	7.2	5.1	6.1	8.5	7.0	7.6
3	---	---	---	14.5	13.0	13.5	7.7	5.1	6.5	7.2	4.3	5.2
4	---	---	---	13.0	12.1	12.5	7.7	6.2	7.2	4.9	3.0	4.0
5	---	---	---	12.9	12.0	12.5	6.8	6.0	6.4	5.8	3.5	4.7
6	---	---	---	12.9	12.3	12.6	7.0	5.6	6.4	7.1	5.6	5.9
7	---	---	---	13.2	12.4	12.8	6.6	5.1	5.9	7.8	5.7	6.7
8	---	---	---	13.5	12.3	12.8	7.7	5.7	6.6	8.0	6.4	7.0
9	---	---	---	13.5	12.1	12.8	8.3	6.5	7.3	8.1	6.5	7.2
10	---	---	---	13.4	12.9	13.2	7.2	5.9	6.5	8.1	7.6	7.8
11	---	---	---	13.0	11.9	12.2	7.2	6.0	6.6	7.9	5.5	7.1
12	---	---	---	12.1	11.4	11.8	8.2	6.5	7.2	6.4	4.3	5.4
13	---	---	---	12.4	11.6	12.0	7.0	5.5	6.2	7.6	6.2	6.9
14	---	---	---	12.7	11.9	12.3	5.9	4.3	5.1	9.1	7.5	8.2
15	---	---	---	12.5	11.6	12.0	6.4	4.6	5.5	9.4	7.9	8.5
16	16.8	13.1	14.8	13.1	11.8	12.4	5.5	3.5	4.3	8.8	7.7	8.6
17	16.6	12.7	14.6	13.2	12.6	13.0	5.9	3.3	4.4	9.1	7.1	8.0
18	17.0	13.2	14.8	13.2	10.2	11.7	6.9	5.3	5.9	9.1	7.5	8.4
19	16.3	13.6	14.8	10.9	8.7	9.9	5.3	3.6	4.4	8.8	7.3	7.9
20	16.2	12.6	14.5	9.8	6.6	8.3	3.9	2.4	3.3	9.0	6.6	7.7
21	16.8	13.8	15.1	8.0	5.7	6.9	3.6	2.1	3.0	9.5	7.2	8.2
22	17.1	13.8	15.4	9.4	7.0	8.1	3.9	2.1	3.0	10.3	7.8	9.0
23	16.9	13.5	15.3	8.1	6.3	7.3	4.1	2.0	3.2	9.2	6.4	7.5
24	16.0	14.4	15.2	6.8	4.9	5.9	4.8	2.9	3.7	7.8	5.6	6.7
25	---	---	---	6.1	4.5	5.4	4.5	2.5	3.5	8.3	5.7	6.9
26	---	---	---	6.4	4.2	5.3	3.7	2.4	3.1	8.6	6.2	7.4
27	15.9	13.5	14.7	6.8	4.5	5.7	3.6	1.8	2.7	8.8	6.5	7.7
28	14.8	13.6	14.1	6.4	4.7	5.7	5.6	2.4	4.0	8.7	6.3	7.6
29	14.0	13.1	13.5	6.9	4.9	5.9	9.0	5.6	7.5	9.0	6.6	7.9
30	14.2	12.7	13.2	6.6	4.5	5.7	9.1	7.8	8.3	8.8	7.8	8.3
31	14.5	13.0	13.9	---	---	---	8.2	6.5	7.5	9.6	7.8	8.7
MONTH	---	---	---	14.6	4.2	10.2	9.1	1.8	5.4	10.3	3.0	7.3

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Water temperature, in degrees Celsius, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.3	7.9	8.5	10.0	7.6	8.5	15.2	10.6	12.3	---	---	---
2	9.1	6.6	7.9	10.9	6.5	8.6	14.9	10.6	12.1	---	---	---
3	8.9	6.4	7.8	11.3	7.0	9.1	14.5	9.5	11.5	---	---	---
4	9.1	7.1	8.1	11.5	7.6	9.4	14.1	10.2	11.8	---	---	---
5	8.5	6.5	7.5	11.5	7.3	9.4	11.9	10.5	11.3	---	---	---
6	9.2	6.9	8.1	12.5	8.2	10.2	12.9	9.6	10.9	---	---	---
7	9.8	7.8	8.8	12.9	8.4	10.6	13.5	8.8	10.7	---	---	---
8	9.6	8.8	9.2	13.5	9.0	11.1	14.5	9.2	11.4	---	---	---
9	9.1	7.8	8.4	13.2	8.9	11.1	15.3	10.0	12.0	---	---	---
10	9.4	7.4	8.3	13.8	8.8	11.2	15.7	10.5	12.5	---	---	---
11	10.2	7.3	8.6	13.5	9.1	10.9	14.9	10.5	12.2	---	---	---
12	10.6	8.3	9.3	11.5	7.9	9.5	13.3	9.6	11.2	---	---	---
13	10.2	7.3	8.8	11.6	6.9	9.3	---	---	---	---	---	---
14	9.1	7.7	8.5	11.4	8.8	10.2	---	---	---	---	---	---
15	9.2	7.5	8.2	13.8	9.9	11.6	---	---	---	---	---	---
16	9.2	7.5	8.3	13.9	9.3	11.5	---	---	---	---	---	---
17	10.8	7.9	9.2	13.1	9.9	11.6	---	---	---	---	---	---
18	9.8	8.0	9.0	14.7	11.4	12.5	---	---	---	---	---	---
19	10.1	8.4	9.6	14.3	9.7	11.7	---	---	---	---	---	---
20	8.4	6.2	7.3	13.3	9.4	11.1	---	---	---	---	---	---
21	8.6	6.2	7.2	14.6	10.0	11.8	---	---	---	---	---	---
22	9.7	6.4	7.9	14.4	8.6	11.2	---	---	---	---	---	---
23	10.7	6.6	8.4	14.0	8.6	11.4	---	---	---	---	---	---
24	9.2	7.1	8.3	13.8	11.0	12.3	---	---	---	---	---	---
25	9.2	6.9	7.9	14.4	11.4	12.7	---	---	---	---	---	---
26	10.0	7.1	8.6	12.7	11.1	11.9	---	---	---	---	---	---
27	10.5	7.7	9.1	11.1	9.6	10.0	---	---	---	---	---	---
28	9.3	8.1	8.7	10.8	9.6	10.1	---	---	---	---	---	---
29	---	---	---	13.1	8.8	10.5	---	---	---	---	---	---
30	---	---	---	14.8	9.8	11.6	---	---	---	---	---	---
31	---	---	---	15.4	10.0	12.1	---	---	---	---	---	---
MONTH	10.8	6.2	8.4	15.4	6.5	10.8	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	377	350	365
5	---	---	---	---	---	---	---	---	---	380	344	360
6	---	---	---	---	---	---	---	---	---	385	362	376
7	---	---	---	---	---	---	---	---	---	382	374	378
8	---	---	---	---	---	---	---	---	---	379	371	376
9	---	---	---	---	---	---	---	---	---	378	370	374
10	---	---	---	---	---	---	---	---	---	376	367	372
11	---	---	---	---	---	---	---	---	---	375	368	372
12	---	---	---	---	---	---	---	---	---	376	367	371
13	---	---	---	---	---	---	---	---	---	375	366	370
14	---	---	---	---	---	---	---	---	---	374	365	370
15	---	---	---	---	---	---	---	---	---	373	366	369
16	---	---	---	---	---	---	---	---	---	374	364	369
17	---	---	---	---	---	---	---	---	---	373	367	370
18	---	---	---	---	---	---	---	---	---	374	366	370
19	---	---	---	---	---	---	---	---	---	375	371	372
20	---	---	---	---	---	---	---	---	---	376	368	373
21	---	---	---	---	---	---	---	---	---	375	368	373
22	---	---	---	---	---	---	---	---	---	376	368	372
23	---	---	---	---	---	---	---	---	---	375	369	371
24	---	---	---	---	---	---	---	---	---	376	370	373
25	---	---	---	---	---	---	---	---	---	375	369	373
26	---	---	---	---	---	---	---	---	---	376	368	373
27	---	---	---	---	---	---	---	---	---	376	371	373
28	---	---	---	---	---	---	---	---	---	377	370	374
29	---	---	---	---	---	---	---	---	---	378	373	375
30	---	---	---	---	---	---	---	---	---	377	372	375
31	---	---	---	---	---	---	---	---	---	378	373	376
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	381	371	376	---	---	---	---	---	---	---	---	---
2	382	374	378	---	---	---	---	---	---	---	---	---
3	381	375	378	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	360	326	347
19	---	---	---	---	---	---	---	---	---	360	322	345
20	---	---	---	---	---	---	---	---	---	360	324	344
21	---	---	---	---	---	---	---	---	---	360	326	346
22	---	---	---	---	---	---	---	---	---	360	328	345
23	---	---	---	---	---	---	---	---	---	358	326	344
24	---	---	---	---	---	---	---	---	---	358	330	347
25	---	---	---	---	---	---	---	---	---	360	328	347
26	---	---	---	---	---	---	---	---	---	360	328	346
27	---	---	---	---	---	---	---	---	---	358	328	345
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	362	330	348
30	---	---	---	---	---	---	---	---	---	360	324	347
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	362	352	358	---	---	---	---	---	---
2	360	332	348	362	352	357	---	---	---	---	---	---
3	360	334	348	362	352	357	---	---	---	---	---	---
4	358	332	348	362	354	358	---	---	---	---	---	---
5	360	334	349	364	352	358	---	---	---	---	---	---
6	360	334	349	364	352	358	---	---	---	---	---	---
7	360	334	349	364	352	357	---	---	---	---	---	---
8	360	330	348	364	346	355	---	---	---	---	---	---
9	360	330	347	364	342	354	---	---	---	---	---	---
10	358	334	348	364	342	354	---	---	---	---	---	---
11	360	334	348	364	348	356	---	---	---	---	---	---
12	360	330	347	364	350	357	---	---	---	---	---	---
13	358	334	348	---	---	---	---	---	---	---	---	---
14	358	336	349	---	---	---	---	---	---	---	---	---
15	358	336	349	---	---	---	---	---	---	---	---	---
16	360	338	350	---	---	---	---	---	---	---	---	---
17	358	336	349	---	---	---	---	---	---	---	---	---
18	358	336	349	---	---	---	---	---	---	---	---	---
19	358	336	349	---	---	---	---	---	---	---	---	---
20	358	330	346	---	---	---	---	---	---	---	---	---
21	356	336	347	---	---	---	---	---	---	---	---	---
22	354	328	343	---	---	---	---	---	---	---	---	---
23	354	332	345	---	---	---	---	---	---	---	---	---
24	356	336	348	---	---	---	---	---	---	---	---	---
25	358	340	349	---	---	---	---	---	---	---	---	---
26	358	340	349	---	---	---	---	---	---	---	---	---
27	358	342	351	---	---	---	---	---	---	---	---	---
28	358	348	353	---	---	---	---	---	---	---	---	---
29	360	346	354	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	362	352	358	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	298	286	293
31	---	---	---	---	---	---	---	---	---	292	278	285
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	280	268	274	308	298	304	350	322	339	---	---	---
2	272	262	268	308	300	305	350	322	339	---	---	---
3	272	262	268	312	300	307	350	324	338	---	---	---
4	274	264	270	314	304	310	348	322	337	---	---	---
5	276	268	273	320	312	315	348	328	338	---	---	---
6	280	272	276	320	306	315	346	330	339	---	---	---
7	282	272	279	326	312	318	348	320	336	---	---	---
8	286	280	284	330	312	324	446	322	343	---	---	---
9	292	282	289	328	312	322	446	322	341	---	---	---
10	298	288	294	330	320	326	350	322	339	---	---	---
11	302	294	298	366	322	333	350	318	337	---	---	---
12	306	294	301	338	320	331	348	318	336	---	---	---
13	308	296	303	360	332	343	350	316	337	---	---	---
14	308	300	305	346	320	336	350	322	338	---	---	---
15	310	304	307	350	322	339	350	314	337	---	---	---
16	312	302	307	350	320	339	350	316	336	---	---	---
17	310	300	307	348	318	338	350	316	337	---	---	---
18	312	304	308	350	318	338	350	312	335	---	---	---
19	316	304	310	348	318	338	348	316	336	---	---	---
20	316	304	312	348	320	338	348	320	336	---	---	---
21	318	306	314	348	316	337	698	276	352	---	---	---
22	320	306	313	348	316	336	416	340	356	---	---	---
23	316	304	311	350	318	336	362	334	350	---	---	---
24	350	304	313	---	---	---	358	324	346	---	---	---
25	310	302	307	---	---	---	356	322	342	---	---	---
26	310	298	306	---	---	---	386	322	343	---	---	---
27	310	298	306	---	---	---	354	324	342	---	---	---
28	312	302	306	---	---	---	452	320	353	---	---	---
29	310	296	305	352	326	341	464	320	354	---	---	---
30	310	300	305	352	326	340	---	---	---	---	---	---
31	---	---	---	350	326	339	---	---	---	---	---	---
MONTH	350	262	297	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	357	352	355	318	312	315
2	---	---	---	---	---	---	357	351	354	321	310	314
3	---	---	---	---	---	---	356	350	353	317	312	314
4	---	---	---	---	---	---	373	353	359	315	311	313
5	---	---	---	---	---	---	363	355	359	315	309	312
6	---	---	---	---	---	---	359	354	357	322	288	311
7	---	---	---	---	---	---	358	354	356	---	---	---
8	---	---	---	---	---	---	371	355	358	---	---	---
9	---	---	---	---	---	---	359	353	356	---	---	---
10	---	---	---	---	---	---	358	355	356	---	---	---
11	---	---	---	---	---	---	359	354	356	---	---	---
12	---	---	---	---	---	---	374	352	357	---	---	---
13	---	---	---	---	---	---	359	355	356	---	---	---
14	---	---	---	---	---	---	359	355	357	---	---	---
15	---	---	---	---	---	---	360	355	357	---	---	---
16	367	348	353	---	---	---	358	354	357	---	---	---
17	357	349	353	---	---	---	358	355	357	---	---	---
18	357	348	353	---	---	---	359	352	356	---	---	---
19	357	348	353	359	352	355	358	354	357	---	---	---
20	357	349	354	357	353	355	358	355	357	---	---	---
21	357	347	353	357	353	355	359	355	357	---	---	---
22	357	348	353	358	352	355	361	354	357	---	---	---
23	358	349	354	357	352	354	357	355	356	---	---	---
24	387	341	358	356	352	354	357	349	356	---	---	---
25	390	336	364	357	352	355	357	354	356	---	---	---
26	402	352	367	357	353	355	357	354	356	---	---	---
27	361	353	357	357	353	355	357	349	355	461	447	456
28	374	332	356	358	354	356	359	206	279	455	443	450
29	362	345	357	357	351	354	304	243	279	448	438	445
30	360	---	353	357	352	355	315	295	306	441	363	403
31	---	---	---	---	---	---	318	313	316	437	391	416
MONTH	---	---	---	---	---	---	374	206	348	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	445	415	433	---	---	---	---	---	---	---	---	---
2	451	431	441	---	---	---	---	---	---	---	---	---
3	448	421	437	---	---	---	---	---	---	---	---	---
4	443	428	437	---	---	---	---	---	---	---	---	---
5	450	423	435	503	490	498	---	---	---	---	---	---
6	437	424	431	496	478	490	---	---	---	---	---	---
7	458	422	438	486	463	480	---	---	---	---	---	---
8	458	379	423	474	444	462	---	---	---	---	---	---
9	440	389	410	459	444	453	---	---	---	---	---	---
10	474	440	464	454	437	449	---	---	---	---	---	---
11	501	445	480	448	437	444	---	---	---	---	---	---
12	485	476	481	451	444	447	---	---	---	---	---	---
13	487	478	483	451	441	446	---	---	---	---	---	---
14	484	477	481	443	436	440	---	---	---	---	---	---
15	482	472	477	436	420	430	---	---	---	---	---	---
16	476	468	472	425	407	419	---	---	---	---	---	---
17	472	462	467	411	399	406	---	---	---	---	---	---
18	469	461	464	408	291	362	---	---	---	---	---	---
19	464	216	374	307	279	295	---	---	---	---	---	---
20	---	---	---	288	258	274	---	---	---	---	---	---
21	---	---	---	275	242	265	---	---	---	---	---	---
22	---	---	---	270	241	254	---	---	---	---	---	---
23	---	---	---	283	241	260	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

	pH, water, whole, field, standard units, water year 1991											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	8.8	8.6	8.7	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
26	---	---	---	---	---	---	---	---	---	8.7	8.6	8.6
27	---	---	---	---	---	---	---	---	---	8.8	8.6	8.7
28	---	---	---	---	---	---	---	---	---	8.8	8.6	8.7
29	---	---	---	---	---	---	---	---	---	8.8	8.6	8.7
30	---	---	---	---	---	---	---	---	---	8.7	8.6	8.7
31	---	---	---	---	---	---	---	---	---	8.9	8.6	8.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.9	8.6	8.7	---	---	---	---	---	---	---	---	---
2	8.8	8.6	8.7	---	---	---	---	---	---	---	---	---
3	8.9	8.6	8.7	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
31	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.7	8.5	8.6	---	---	---	8.8	8.5	8.6	---	---	---
2	8.8	8.5	8.6	---	---	---	8.9	8.5	8.7	---	---	---
3	8.8	8.5	8.6	---	---	---	8.9	8.6	8.7	---	---	---
4	8.8	8.4	8.6	---	---	---	8.8	8.5	8.7	---	---	---
5	8.8	8.5	8.6	---	---	---	8.8	8.6	8.7	---	---	---
6	---	---	---	---	---	---	8.8	8.6	8.7	---	---	---
7	---	---	---	---	---	---	8.9	8.6	8.7	---	---	---
8	---	---	---	---	---	---	8.9	8.6	8.7	---	---	---
9	---	---	---	---	---	---	8.9	8.6	8.7	---	---	---
10	---	---	---	---	---	---	8.9	8.6	8.7	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
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26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
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29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	7.9	7.8	7.9	8.9	8.8	8.8	8.4	8.3	8.4
2	---	---	---	---	---	---	8.9	8.8	8.8	---	---	---
3	---	---	---	---	---	---	8.9	8.8	8.8	---	---	---
4	---	---	---	---	---	---	8.9	8.8	8.8	8.3	8.2	8.3
5	---	---	---	---	---	---	8.9	8.8	8.8	8.3	8.2	8.3
6	---	---	---	---	---	---	8.9	8.8	8.8	8.4	8.2	8.3
7	---	---	---	---	---	---	8.9	8.8	8.8	8.4	8.2	8.3
8	---	---	---	---	---	---	8.8	8.7	8.8	8.5	8.4	8.5
9	---	---	---	---	---	---	8.8	8.7	8.7	8.5	8.4	8.4
10	---	---	---	---	---	---	8.7	8.6	8.7	8.5	8.4	8.4
11	---	---	---	---	---	---	8.7	8.5	8.6	8.5	8.3	8.4
12	---	---	---	---	---	---	8.7	8.5	8.6	8.4	8.3	8.3
13	---	---	---	---	---	---	8.8	8.5	8.6	8.4	8.3	8.4
14	---	---	---	---	---	---	8.6	8.5	8.6	8.5	8.3	8.4
15	8.8	8.6	8.7	---	---	---	8.6	8.6	8.6	---	---	---
16	8.8	8.7	8.7	---	---	---	8.6	8.5	8.6	8.5	8.3	8.4
17	8.8	8.7	8.7	---	---	---	8.6	8.5	8.6	8.6	8.4	8.5
18	8.8	8.7	8.7	---	---	---	8.6	8.5	8.6	8.6	8.5	8.5
19	8.8	8.7	8.7	8.9	8.8	8.8	8.6	8.5	8.5	8.6	8.4	8.6
20	8.8	8.7	8.7	8.9	8.8	8.8	8.6	8.4	8.5	8.6	8.5	8.6
21	8.8	8.7	8.7	8.9	8.8	8.8	8.5	8.5	8.5	8.5	8.4	8.5
22	8.8	8.7	8.7	8.9	8.8	8.8	8.6	8.4	8.5	8.5	8.4	8.4
23	8.8	8.7	8.7	8.9	8.8	8.8	8.5	8.3	8.4	8.5	8.3	8.4
24	8.8	8.7	8.7	8.9	8.8	8.8	8.4	8.4	8.4	8.4	8.2	8.4
25	8.8	8.6	8.7	8.8	8.8	8.8	8.4	8.2	8.4	8.5	8.3	8.4
26	8.8	8.7	8.7	8.8	8.8	8.8	8.4	8.3	8.4	8.7	8.2	8.4
27	8.8	8.6	8.7	8.8	8.7	8.8	8.4	8.3	8.3	---	---	---
28	8.8	8.6	8.7	8.9	8.8	8.8	8.5	8.2	8.4	8.7	8.4	8.6
29	8.8	8.6	8.7	8.9	8.8	8.8	8.4	8.3	8.4	---	---	---
30	8.8	8.6	8.7	8.8	8.8	8.8	8.4	8.4	8.4	---	---	---
31	8.6	7.8	7.9	---	---	---	8.4	8.3	8.4	---	---	---
MONTH	---	---	---	---	---	---	8.9	8.2	8.6	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	8.8	8.3	8.5	---	---	---	---	---	---
5	---	---	---	8.5	8.3	8.5	---	---	---	---	---	---
6	---	---	---	8.5	8.3	8.5	---	---	---	---	---	---
7	---	---	---	8.5	8.3	8.5	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	8.6	8.2	8.5	8.6	8.5	8.5	---	---	---
11	8.8	8.7	8.7	8.7	8.4	8.5	8.5	8.3	8.5	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	8.7	8.5	8.6	---	---	---	---	---	---
18	---	---	---	8.8	8.6	8.7	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	8.6	8.5	8.6	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	8.7	8.5	8.5	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	11.7	10.9	11.2	13.1	12.2	12.6
2	---	---	---	---	---	---	11.6	11.0	11.2	12.9	12.1	12.5
3	---	---	---	---	---	---	12.0	11.2	11.5	12.3	11.7	12.0
4	---	---	---	---	---	---	12.1	11.3	11.6	12.2	11.6	11.8
5	---	---	---	---	---	---	11.9	11.2	11.5	11.7	11.2	11.5
6	---	---	---	---	---	---	12.1	11.3	11.6	11.4	10.9	11.1
7	---	---	---	---	---	---	12.1	11.3	11.6	11.2	10.8	11.0
8	---	---	---	---	---	---	12.0	11.2	11.5	11.1	10.8	11.0
9	---	---	---	---	---	---	12.0	11.1	11.5	11.4	10.8	11.1
10	---	---	---	---	---	---	11.9	11.0	11.4	11.3	10.7	11.0
11	---	---	---	---	---	---	11.8	10.8	11.3	11.8	11.0	11.3
12	---	---	---	---	---	---	10.8	10.4	10.6	11.9	11.1	11.4
13	---	---	---	---	---	---	11.0	10.2	10.5	11.7	11.2	11.4
14	---	---	---	---	---	---	11.4	10.3	10.9	11.9	11.0	11.4
15	---	---	---	10.8	9.9	10.3	11.8	10.9	11.3	11.7	10.7	11.2
16	---	---	---	10.7	9.8	10.1	11.3	10.6	11.0	11.4	10.8	11.1
17	---	---	---	10.6	9.7	10.0	11.8	10.8	11.3	12.0	11.2	11.5
18	---	---	---	10.5	9.7	10.0	11.9	11.1	11.5	12.0	11.0	11.4
19	---	---	---	10.5	9.6	10.0	11.6	10.8	11.2	11.8	10.8	11.3
20	---	---	---	10.3	9.7	10.0	12.0	11.0	11.6	11.6	11.0	11.2
21	---	---	---	10.8	10.2	10.4	12.5	12.0	12.2	11.9	11.3	11.5
22	---	---	---	11.3	10.5	10.8	13.3	12.5	12.9	12.2	11.4	11.7
23	---	---	---	11.3	10.5	10.8	13.6	13.1	13.4	12.2	11.2	11.7
24	---	---	---	11.3	10.5	10.8	13.6	13.0	13.3	12.1	11.1	11.5
25	---	---	---	11.2	10.0	10.7	13.4	12.7	13.0	12.0	11.1	11.5
26	---	---	---	10.9	10.0	10.4	13.0	12.5	12.7	12.0	11.0	11.4
27	---	---	---	11.7	10.9	11.2	13.1	12.2	12.7	12.0	11.0	11.4
28	---	---	---	12.0	11.2	11.5	12.3	11.9	12.2	11.9	10.8	11.3
29	---	---	---	12.0	11.1	11.5	12.2	11.4	11.7	12.1	11.0	11.6
30	---	---	---	11.8	11.0	11.3	13.2	12.2	12.7	12.5	11.5	11.9
31	---	---	---	---	---	---	13.2	12.4	12.7	12.4	11.2	11.8
MONTH	---	---	---	---	---	---	13.6	10.2	11.8	13.1	10.7	11.5

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	12.0	11.1	11.5	10.3	9.9	10.1	10.8	9.8	10.3	10.6	9.2	10.0
2	12.0	11.0	11.4	10.4	9.5	10.0	10.8	9.3	10.1	10.8	9.6	10.2
3	11.8	10.9	11.2	10.6	9.5	10.0	10.7	9.2	9.9	10.7	9.9	10.3
4	11.8	10.7	11.2	10.2	9.4	9.8	10.7	9.1	9.9	10.7	9.3	10.1
5	11.5	10.5	11.0	10.0	9.4	9.6	10.5	9.1	9.7	10.7	9.3	10.0
6	11.2	10.4	10.8	10.5	9.6	10.0	10.2	8.8	9.5	10.5	9.4	10.0
7	11.3	10.5	10.8	10.9	9.8	10.3	10.2	9.0	9.5	10.4	9.0	9.8
8	11.1	10.2	10.6	11.0	9.7	10.3	10.5	9.2	9.9	10.3	8.9	9.7
9	11.1	10.2	10.6	10.8	9.7	10.2	10.9	9.2	10.1	10.2	9.1	9.7
10	11.2	10.1	10.6	10.0	9.5	9.7	10.5	9.2	9.9	10.3	8.8	9.2
11	11.0	10.1	10.5	10.4	9.7	10.0	11.2	9.7	10.6	9.4	8.5	8.9
12	10.7	9.9	10.3	11.0	9.6	10.3	11.3	10.0	10.7	10.2	8.3	9.1
13	10.9	9.9	10.3	10.6	9.4	10.0	11.0	9.5	10.3	10.5	9.2	9.9
14	10.8	9.8	10.2	10.4	9.9	10.1	11.0	9.2	10.1	10.3	9.5	9.9
15	10.7	9.7	10.2	10.5	10.1	10.3	10.6	9.1	9.8	10.0	8.9	9.6
16	10.2	9.7	9.9	10.8	9.8	10.3	10.4	9.0	9.8	10.0	8.8	9.5
17	10.4	9.8	10.1	10.9	9.4	10.1	10.5	9.0	9.9	10.0	8.9	9.5
18	11.0	10.1	10.6	10.7	9.2	9.8	10.5	9.1	9.9	10.0	9.1	9.7
19	11.4	10.4	10.8	10.2	9.5	9.9	10.5	9.3	9.9	10.2	8.9	9.7
20	11.3	10.1	10.6	10.6	9.7	10.2	10.4	9.0	9.8	10.1	8.8	9.6
21	11.2	10.0	10.5	10.5	9.8	10.1	10.5	9.1	9.9	10.0	8.8	9.5
22	10.9	9.8	10.3	10.6	9.4	10.0	10.3	9.1	9.8	10.1	9.5	9.8
23	10.8	9.8	10.3	10.5	9.1	9.8	10.2	9.0	9.7	10.0	8.9	9.6
24	10.8	9.8	10.2	10.3	9.0	9.6	10.3	9.1	9.8	10.0	8.7	9.4
25	11.0	9.9	10.4	9.9	9.0	9.5	10.3	9.6	10.0	9.8	8.7	9.3
26	11.0	9.8	10.3	10.4	9.5	10.1	10.6	9.5	10.1	9.8	8.6	9.3
27	10.8	9.6	10.2	10.5	10.0	10.3	10.7	9.8	10.3	10.0	8.8	9.5
28	10.2	9.7	9.8	10.4	9.0	9.8	11.0	9.6	10.4	10.2	8.8	9.5
29	---	---	---	10.4	9.1	9.8	10.9	9.3	10.2	10.0	8.7	9.4
30	---	---	---	10.7	9.1	9.9	10.8	9.3	10.1	9.9	8.9	9.4
31	---	---	---	10.6	9.7	10.1	---	---	---	9.9	9.4	9.7
MONTH	12.0	9.6	10.5	11.0	9.0	10.0	11.3	8.8	10.0	10.8	8.3	9.6

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.0	9.7	9.8	9.3	8.0	8.7	---	---	---	---	---	---
2	10.2	8.8	9.5	9.2	8.0	8.6	---	---	---	---	---	---
3	9.8	8.4	9.2	9.1	7.9	8.5	---	---	---	---	---	---
4	9.7	8.7	9.2	9.1	7.8	8.4	---	---	---	---	---	---
5	9.7	8.5	9.1	8.9	7.9	8.4	---	---	---	---	---	---
6	9.8	8.5	9.2	8.9	8.0	8.5	---	---	---	---	---	---
7	9.8	8.4	9.2	8.8	7.8	8.3	---	---	---	---	---	---
8	9.7	8.4	9.1	---	---	---	---	---	---	---	---	---
9	9.7	8.3	9.0	---	---	---	---	---	---	---	---	---
10	9.6	8.5	9.0	---	---	---	---	---	---	---	---	---
11	9.5	8.9	9.1	---	---	---	---	---	---	---	---	---
12	9.6	8.3	9.0	---	---	---	---	---	---	---	---	---
13	9.6	8.6	9.0	---	---	---	---	---	---	---	---	---
14	9.5	8.4	9.0	---	---	---	---	---	---	---	---	---
15	9.6	8.3	9.0	---	---	---	---	---	---	---	---	---
16	9.7	8.3	9.0	---	---	---	---	---	---	---	---	---
17	9.6	8.4	9.0	---	---	---	---	---	---	9.5	8.6	9.0
18	9.5	8.5	8.9	---	---	---	---	---	---	9.8	8.7	9.2
19	9.3	8.2	8.9	---	---	---	---	---	---	9.7	8.4	9.0
20	9.6	8.2	9.0	---	---	---	---	---	---	9.4	8.4	8.9
21	9.8	8.5	9.1	---	---	---	---	---	---	9.5	8.5	8.9
22	9.8	8.4	9.2	---	---	---	---	---	---	9.3	8.5	8.9
23	9.7	8.4	9.1	---	---	---	---	---	---	9.4	8.3	8.8
24	9.7	8.8	9.3	---	---	---	---	---	---	9.6	8.4	8.9
25	9.7	8.5	9.1	---	---	---	---	---	---	9.7	8.4	9.0
26	9.6	8.5	9.1	---	---	---	---	---	---	9.6	8.5	8.9
27	9.6	9.0	9.3	---	---	---	---	---	---	9.4	8.6	8.9
28	9.6	8.3	9.0	---	---	---	---	---	---	9.4	8.7	9.0
29	9.5	8.2	8.9	---	---	---	---	---	---	9.5	8.5	8.9
30	9.4	8.0	8.7	---	---	---	---	---	---	9.6	8.4	8.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	10.2	8.0	9.1	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.6	8.5	8.9	11.2	10.2	10.7	---	---	---	---	---	---
2	9.7	8.5	9.0	10.9	10.0	10.4	---	---	---	---	---	---
3	9.8	8.7	9.1	11.1	10.2	10.6	---	---	---	---	---	---
4	9.8	8.8	9.2	11.1	10.2	10.6	---	---	---	---	---	---
5	10.0	8.9	9.3	10.8	9.9	10.3	---	---	---	---	---	---
6	10.0	8.8	9.3	10.5	9.6	10.0	---	---	---	---	---	---
7	10.0	8.8	9.2	10.5	9.5	9.9	---	---	---	---	---	---
8	9.8	8.7	9.1	10.4	9.5	9.8	---	---	---	---	---	---
9	9.8	8.8	9.1	10.1	9.3	9.7	---	---	---	---	---	---
10	9.9	8.8	9.2	9.9	9.3	9.5	---	---	---	---	---	---
11	9.8	8.7	9.2	10.1	9.4	9.7	---	---	---	---	---	---
12	9.8	8.7	9.1	10.4	9.6	10.0	---	---	---	---	---	---
13	9.8	8.8	9.2	---	---	---	---	---	---	---	---	---
14	10.0	8.9	9.3	---	---	---	---	---	---	---	---	---
15	10.0	8.9	9.3	---	---	---	---	---	---	---	---	---
16	10.0	8.9	9.3	---	---	---	---	---	---	---	---	---
17	10.0	8.8	9.3	---	---	---	---	---	---	---	---	---
18	9.9	8.9	9.3	---	---	---	---	---	---	---	---	---
19	10.0	8.9	9.3	---	---	---	---	---	---	---	---	---
20	9.9	8.9	9.3	---	---	---	---	---	---	---	---	---
21	9.9	8.9	9.3	---	---	---	---	---	---	---	---	---
22	9.6	8.9	9.2	---	---	---	---	---	---	---	---	---
23	9.6	9.1	9.3	---	---	---	---	---	---	---	---	---
24	9.9	9.2	9.5	---	---	---	---	---	---	---	---	---
25	10.0	9.3	9.6	---	---	---	---	---	---	---	---	---
26	10.2	9.4	9.7	---	---	---	---	---	---	---	---	---
27	10.0	9.6	9.7	---	---	---	---	---	---	---	---	---
28	10.9	10.0	10.5	---	---	---	---	---	---	---	---	---
29	11.0	10.3	10.6	---	---	---	---	---	---	---	---	---
30	10.8	10.3	10.6	---	---	---	---	---	---	---	---	---
31	11.5	10.6	10.9	---	---	---	---	---	---	---	---	---
MONTH	11.5	8.5	9.4	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	11.6	10.9	11.2	---	---	---
15	---	---	---	---	---	---	11.3	10.7	11.0	---	---	---
16	---	---	---	---	---	---	11.8	10.9	11.4	---	---	---
17	---	---	---	---	---	---	11.7	10.6	11.3	---	---	---
18	---	---	---	---	---	---	11.1	10.6	10.8	---	---	---
19	---	---	---	---	---	---	11.8	11.1	11.4	---	---	---
20	---	---	---	---	---	---	12.1	11.0	11.5	---	---	---
21	---	---	---	---	---	---	12.2	11.5	11.8	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	10.1	9.3	9.8
28	---	---	---	---	---	---	---	---	---	9.9	9.3	9.7
29	---	---	---	---	---	---	---	---	---	9.9	9.2	9.5
30	---	---	---	---	---	---	---	---	---	9.6	9.2	9.4
31	---	---	---	---	---	---	---	---	---	9.4	8.9	9.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.4	9.1	9.3	9.1	8.6	8.9	---	---	---	---	---	---
2	9.7	9.0	9.4	9.4	8.5	8.9	---	---	---	---	---	---
3	9.7	9.1	9.4	9.3	8.2	8.8	---	---	---	---	---	---
4	9.6	9.0	9.3	9.5	7.9	8.6	---	---	---	---	---	---
5	9.7	9.2	9.4	---	---	---	---	---	---	---	---	---
6	9.5	8.9	9.2	---	---	---	---	---	---	---	---	---
7	9.4	8.9	9.2	---	---	---	---	---	---	---	---	---
8	9.0	8.9	9.0	---	---	---	---	---	---	---	---	---
9	9.3	8.9	9.2	---	---	---	---	---	---	---	---	---
10	9.5	9.0	9.2	---	---	---	---	---	---	---	---	---
11	9.5	8.8	9.2	---	---	---	---	---	---	---	---	---
12	9.4	8.8	9.1	---	---	---	---	---	---	---	---	---
13	9.7	8.9	9.3	---	---	---	---	---	---	---	---	---
14	9.6	9.1	9.3	---	---	---	---	---	---	---	---	---
15	9.7	9.1	9.4	---	---	---	---	---	---	---	---	---
16	9.6	9.2	9.4	---	---	---	---	---	---	---	---	---
17	9.6	8.7	9.2	---	---	---	---	---	---	---	---	---
18	9.6	8.8	9.2	---	---	---	---	---	---	---	---	---
19	9.3	8.8	8.9	---	---	---	---	---	---	---	---	---
20	9.6	9.1	9.4	---	---	---	---	---	---	---	---	---
21	9.5	8.7	9.2	---	---	---	---	---	---	---	---	---
22	9.5	8.6	9.1	---	---	---	---	---	---	---	---	---
23	9.5	8.3	8.9	---	---	---	---	---	---	---	---	---
24	9.2	8.6	8.9	---	---	---	---	---	---	---	---	---
25	9.3	8.7	9.1	---	---	---	---	---	---	---	---	---
26	9.2	8.6	8.9	---	---	---	---	---	---	---	---	---
27	9.1	8.5	8.8	---	---	---	---	---	---	---	---	---
28	9.0	8.6	8.8	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	9.7	8.3	9.2	---	---	---	---	---	---	---	---	---

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAY							
06...	1600	32	--	282	8.3	33.0	20.5
JUL							
06...	1240	17	7.19	292	8.9	34.0	22.0

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
MAY							
06...	698	7.9	--	--	18	154	156
JUL							
06...	684	8.1	K22	290	2	201	169

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT											
27...	1415	19	4.40	370	8.8	26.0	14.5	--	711	9.4	99
FEB											
04...	1100	16	4.01	385	8.6	11.5	6.0	--	725	11.8	100
MAR											
01...	1830	61	4.58	--	--	--	--	--	--	--	--
01...	2030	52	4.50	--	--	--	--	--	--	--	--
01...	2230	42	4.40	--	--	--	--	--	--	--	--
02...	0030	38	4.34	--	--	--	--	--	--	--	--
02...	0230	35	4.30	--	--	--	--	--	--	--	--
02...	0430	32	4.27	--	--	--	--	--	--	--	--
02...	0630	30	4.24	--	--	--	--	--	--	--	--
05...	0730	38	4.35	--	--	--	--	--	--	--	--
05...	0930	36	4.32	--	--	--	--	--	--	--	--
05...	1130	35	4.30	--	--	--	--	--	--	--	--
05...	1330	34	4.29	--	--	--	--	--	--	--	--
26...	1930	31	4.25	--	--	--	--	--	--	--	--
31...	1100	24	4.14	425	8.6	19.0	11.0	1.5	715	10.2	96
31...	1345	24	4.14	--	--	--	--	--	--	--	--
MAY											
25...	0900	49	4.42	234	--	31.0	13.0	4.9	--	--	--
SEP											
17...	1230	16	3.96	347	8.7	28.0	15.0	--	710	9.5	101

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	E.COLI MTEC,MF WATER WHOLE TOTAL (COL / 100 ML) (31648)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	CAR-BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
27...	--	--	--	--	16	97	--	6	0.30	36
FEB										
04...	--	196	10	220	--	--	--	--	--	--
MAR										
01...	--	--	--	--	--	--	--	412	68	96
01...	--	--	--	--	--	--	--	--	--	94
01...	--	--	--	--	--	--	--	634	72	92
01...	--	--	--	--	--	--	--	709	73	93
02...	--	--	--	--	--	--	--	723	68	92
02...	--	--	--	--	--	--	--	686	59	99
02...	--	--	--	--	--	--	--	707	57	98
02...	--	--	--	--	--	--	--	834	86	96
05...	--	--	--	--	--	--	--	897	87	94
05...	--	--	--	--	--	--	--	782	74	99
05...	--	--	--	--	--	--	--	660	61	98
05...	--	--	--	--	--	--	--	935	78	99
26...	--	--	--	--	17	207	197	16	1.0	66
31...	--	--	--	--	--	--	--	11	0.71	88
31...	--	--	--	--	--	--	--	16	2.1	66
MAY										
25...	K7	--	--	--	--	--	--	--	--	--
SEP										
17...	--	--	--	--	17	190	183	--	--	--

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
27...	100	--	--	--	--	--	--	--	--	--
FEB										
04...	--	--	--	--	--	--	--	--	--	--
MAR										
01...	100	--	--	--	--	--	--	--	--	--
01...	97	98	99	100	--	--	--	--	--	--
01...	97	99	100	--	26	26	48	72	87	100
02...	98	100	--	--	31	29	50	70	86	100
02...	98	99	100	--	21	21	42	67	87	100
02...	100	--	--	--	--	--	--	--	--	--
02...	100	--	--	--	--	--	--	--	--	--
05...	99	100	--	--	22	24	49	73	90	100
05...	98	99	--	--	19	22	44	66	90	100
05...	100	--	--	--	--	--	--	--	--	--
05...	100	--	--	--	--	--	--	--	--	--
26...	100	--	--	--	--	--	--	--	--	--
31...	100	--	--	--	--	--	--	--	--	--
31...	100	--	--	--	--	--	--	--	--	--
MAY										
25...	100	--	--	--	--	--	--	--	--	--
SEP										
17...	--	--	--	--	--	--	--	--	--	--

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
NOV											
13...	1050	16	3.96	368	--	8.5	--	18.0	10.5	--	--
JAN											
16...	1650	17	3.97	--	--	--	--	--	--	--	--
17...	1100	19	4.00	294	--	8.9	--	--	8.0	--	25.2
MAR											
25...	1900	20	4.02	377	--	8.8	--	23.5	11.5	--	--
APR											
15...	--	98	4.86	--	--	--	--	--	--	--	--
15...	1555	99	4.87	--	--	--	--	--	--	--	--
15...	1700	99	4.87	--	--	--	--	--	--	--	--
15...	1701	99	4.87	--	--	--	--	--	--	--	--
17...	0430	106	4.92	--	--	--	--	--	--	--	--
17...	0630	108	4.93	--	--	--	--	--	--	--	--
17...	1000	114	4.97	--	202	--	8.5	--	--	--	--
17...	1100	104	4.90	--	--	--	--	--	--	--	--
17...	1545	111	4.95	--	--	--	--	--	--	--	--
17...	1645	108	4.93	--	--	--	--	--	--	--	--
17...	1830	106	4.92	--	--	--	--	--	--	--	--
18...	1530	111	4.95	--	--	--	--	--	--	--	--
18...	1630	111	4.95	--	--	--	--	--	--	--	--
18...	1830	114	4.97	--	--	--	--	--	--	--	--
18...	1915	109	4.94	--	--	--	--	--	--	--	--
19...	0500	119	5.01	--	--	--	--	--	--	--	--
19...	0600	101	4.88	--	--	--	--	--	--	--	--
19...	0730	106	4.92	--	--	--	--	--	--	--	--
19...	2130	106	4.92	--	--	--	--	--	--	--	--
19...	2231	114	4.97	--	--	--	--	--	--	--	--
20...	0130	108	4.93	--	--	--	--	--	--	--	--
21...	1430	81	4.73	210	--	--	--	32.0	15.0	14	--
21...	1431	81	4.73	--	--	--	--	--	--	--	--
21...	1615	80	4.72	--	--	--	--	--	14.5	--	--
21...	1630	84	4.75	--	--	--	--	--	14.5	--	--
21...	1929	84	4.75	--	--	--	--	--	13.5	--	--
21...	1930	84	4.75	--	--	--	--	--	13.5	--	--
21...	2329	88	4.78	--	--	--	--	--	11.5	--	--
21...	2330	89	4.79	210	197	--	8.4	17.0	11.5	14	--
22...	0600	90	4.80	--	--	--	--	--	11.0	--	--
22...	0620	90	4.80	--	--	--	--	--	11.0	--	--
22...	1414	94	4.83	--	--	--	--	--	15.0	--	--
22...	1415	94	4.83	210	--	--	--	30.0	15.0	14	--
27...	0815	126	5.05	--	--	--	--	--	--	--	--
27...	1030	124	5.04	--	--	--	--	--	--	--	--
27...	1230	127	5.06	--	--	--	--	--	--	--	--
28...	0200	133	5.10	--	--	--	--	--	--	--	--
28...	0515	132	5.09	--	--	--	--	--	--	--	--
28...	0700	137	9.12	--	--	--	--	--	--	--	--
28...	0915	127	5.06	--	--	--	--	--	--	--	--
28...	1100	130	5.08	--	--	--	--	--	--	--	--
28...	1345	126	5.05	--	--	--	--	--	--	--	--
28...	1715	132	5.09	--	--	--	--	--	--	--	--
28...	1915	130	5.08	--	--	--	--	--	--	--	--
28...	2200	135	5.11	--	--	--	--	--	--	--	--
28...	2359	133	5.10	--	--	--	--	--	--	--	--
29...	0245	130	5.08	--	--	--	--	--	--	--	--
29...	0430	129	5.07	--	--	--	--	--	--	--	--
29...	0830	137	5.12	--	--	--	--	--	--	--	--
29...	1045	145	5.17	--	--	--	--	--	--	--	--
29...	1245	137	5.12	--	--	--	--	--	--	--	--
29...	1430	135	5.11	--	--	--	--	--	--	--	--
29...	1630	137	5.12	--	--	--	--	--	--	--	--
29...	1830	138	5.13	--	--	--	--	--	--	--	--
29...	2030	135	5.12	--	--	--	--	--	--	--	--
MAY											
28...	1130	42	4.29	300	--	8.4	--	--	17.0	0.90	--
JUL											
28...	1100	16	4.01	322	--	8.7	--	35.5	20.5	--	--
28...	1235	15	3.99	--	--	--	--	--	--	--	--

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (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)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
NOV											
13...	709	10.6	101	--	--	--	--	--	12	209	191
JAN											
16...	--	--	--	--	--	--	--	--	7	214	187
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
25...	715	10.7	105	--	--	--	--	--	12	172	161
APR											
15...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	110	24	11	2.3	0.70	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	100	23	11	1.9	0.70	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
MAY											
28...	695	8.9	101	--	--	--	--	--	1	190	158
JUL											
28...	698	8.5	103	--	--	--	--	--	2	217	182
28...	--	--	--	--	--	--	--	--	--	--	--

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
NOV										
13...	--	--	--	--	--	--	--	--	--	--
JAN										
16...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
MAR										
25...	--	--	--	--	--	--	--	--	--	--
APR										
15...	--	--	--	--	--	--	--	--	--	88
15...	--	--	--	--	--	--	--	--	--	56
15...	--	--	--	--	--	--	--	--	--	121
15...	--	--	--	--	--	--	--	--	--	75
17...	--	--	--	--	--	--	--	--	--	62
17...	--	--	--	--	--	--	--	--	--	60
17...	100	5.5	3.6	<0.10	1.2	108	20	15	<1.0	46
17...	--	--	--	--	--	--	--	--	--	62
17...	--	--	--	--	--	--	--	--	--	55
17...	--	--	--	--	--	--	--	--	--	58
17...	--	--	--	--	--	--	--	--	--	41
18...	--	--	--	--	--	--	--	--	--	42
18...	--	--	--	--	--	--	--	--	--	41
18...	--	--	--	--	--	--	--	--	--	62
18...	--	--	--	--	--	--	--	--	--	57
19...	--	--	--	--	--	--	--	--	--	39
19...	--	--	--	--	--	--	--	--	--	55
19...	--	--	--	--	--	--	--	--	--	54
19...	--	--	--	--	--	--	--	--	--	53
19...	--	--	--	--	--	--	--	--	--	66
20...	--	--	--	--	--	--	--	--	--	57
21...	--	--	--	--	--	--	--	--	--	49
21...	--	--	--	--	--	--	--	--	--	28
21...	--	--	--	--	--	--	--	--	--	66
21...	--	--	--	--	--	--	--	--	--	25
21...	--	--	--	--	--	--	--	--	--	27
21...	--	--	--	--	--	--	--	--	--	41
21...	--	--	--	--	--	--	--	--	--	14
21...	99	4.8	0.80	<0.10	1.9	103	20	8.0	<1.0	40
22...	--	--	--	--	--	--	--	--	--	33
22...	--	--	--	--	--	--	--	--	--	39
22...	--	--	--	--	--	--	--	--	--	26
22...	--	--	--	--	--	--	--	--	--	51
27...	--	--	--	--	--	--	--	--	--	650
27...	--	--	--	--	--	--	--	--	--	429
27...	--	--	--	--	--	--	--	--	--	537
28...	--	--	--	--	--	--	--	--	--	734
28...	--	--	--	--	--	--	--	--	--	530
28...	--	--	--	--	--	--	--	--	--	426
28...	--	--	--	--	--	--	--	--	--	501
28...	--	--	--	--	--	--	--	--	--	417
28...	--	--	--	--	--	--	--	--	--	512
28...	--	--	--	--	--	--	--	--	--	538
28...	--	--	--	--	--	--	--	--	--	489
28...	--	--	--	--	--	--	--	--	--	585
28...	--	--	--	--	--	--	--	--	--	557
29...	--	--	--	--	--	--	--	--	--	470
29...	--	--	--	--	--	--	--	--	--	474
29...	--	--	--	--	--	--	--	--	--	500
29...	--	--	--	--	--	--	--	--	--	488
29...	--	--	--	--	--	--	--	--	--	464
29...	--	--	--	--	--	--	--	--	--	508
29...	--	--	--	--	--	--	--	--	--	515
29...	--	--	--	--	--	--	--	--	--	592
29...	--	--	--	--	--	--	--	--	--	416
MAY										
28...	--	--	--	--	--	--	--	--	--	13
JUL										
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	280

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV										
13...	--	--	--	--	--	--	--	--	--	--
JAN										
16...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
MAR										
25...	--	--	--	--	--	--	--	--	--	--
APR										
15...	23	90	100	--	--	--	--	--	--	--
15...	15	92	100	--	--	--	--	--	--	--
15...	32	93	100	--	--	--	--	--	--	--
15...	20	89	100	--	--	--	--	--	--	--
17...	18	93	100	--	--	--	--	--	--	--
17...	17	78	81	82	83	100	--	--	--	--
17...	14	95	98	99	100	--	--	--	--	--
17...	17	90	94	98	100	--	--	--	--	--
17...	16	86	100	--	--	--	--	--	--	--
17...	17	91	100	--	--	--	--	--	--	--
17...	12	91	100	--	--	--	--	--	--	--
18...	13	91	100	--	--	--	--	--	--	--
18...	12	90	100	--	--	--	--	--	--	--
18...	19	92	100	--	--	--	--	--	--	--
18...	17	89	100	--	--	--	--	--	--	--
19...	13	95	98	99	100	--	--	--	--	--
19...	15	92	100	--	--	--	--	--	--	--
19...	15	92	100	--	--	--	--	--	--	--
19...	15	92	100	--	65	--	--	--	--	--
19...	20	91	100	--	--	--	--	--	--	--
20...	17	91	100	--	--	--	--	--	--	--
21...	11	74	82	91	99	100	--	--	--	--
21...	6.2	85	95	98	100	--	--	--	--	--
21...	14	75	100	--	--	--	--	--	--	--
21...	5.7	90	100	--	--	--	--	--	--	--
21...	6.1	89	100	--	--	--	--	--	--	--
21...	9.3	87	100	--	--	--	--	--	--	--
21...	3.3	91	100	--	--	--	--	--	--	--
21...	9.6	89	100	--	--	--	--	--	--	--
22...	8.0	74	92	97	100	--	--	--	--	--
22...	9.5	80	100	--	--	--	--	--	--	--
22...	6.6	90	100	--	--	--	--	--	--	--
22...	13	71	100	--	--	--	--	--	--	--
27...	221	--	--	--	--	--	59	75	99	100
27...	144	94	95	98	100	--	--	--	--	--
27...	184	89	100	--	--	--	--	--	--	--
28...	264	74	100	--	--	--	--	--	--	--
28...	189	89	100	--	--	--	--	--	--	--
28...	158	84	100	--	--	--	--	--	--	--
28...	172	90	100	--	--	--	--	--	--	--
28...	146	86	100	--	--	--	--	--	--	--
28...	174	91	100	--	--	--	--	--	--	--
28...	192	93	100	--	--	--	--	--	--	--
28...	172	96	99	100	--	--	--	--	--	--
28...	213	96	99	100	--	--	--	--	--	--
28...	200	89	100	--	--	--	--	--	--	--
29...	165	84	100	--	--	--	--	--	--	--
29...	165	96	99	100	--	--	--	--	--	--
29...	185	96	100	--	--	--	--	--	--	--
29...	191	90	100	--	--	--	--	--	--	--
29...	172	91	100	--	--	--	--	--	--	--
29...	185	90	100	--	--	--	--	--	--	--
29...	190	91	100	--	--	--	--	--	--	--
29...	221	85	100	--	--	--	--	--	--	--
29...	152	95	99	100	--	--	--	--	--	--
MAY										
28...	1.5	79	100	--	--	--	--	--	--	--
JUL										
28...	--	--	--	--	--	--	--	--	--	--
28...	12	96	100	--	--	--	--	--	--	--

Table 9. 09403000, Bright Angel Creek near Grand Canyon, Arizona, water years 1991–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT									
14...	1130	17	3.98	350	8.8	14.0	--	697	9.2
JAN									
07...	1145	106	4.92	316	--	--	--	--	--
07...	1400	118	5.00	294	--	--	--	--	--
07...	1515	212	5.54	293	--	--	--	--	--
07...	1730	143	5.16	278	--	--	--	--	--
07...	1945	108	4.93	275	--	--	--	--	--
07...	2200	138	5.13	282	--	--	--	--	--
07...	2330	256	5.75	308	--	--	--	--	--
08...	0145	368	5.68	320	--	--	--	--	--
FEB									
20...	0030	415	6.35	325	--	--	--	--	--
20...	0130	245	5.70	295	--	--	--	--	--
20...	0445	214	5.55	292	--	--	--	--	--
MAR									
24...	0915	143	5.16	287	--	--	--	--	--
APR									
11...	2315	222	5.59	222	--	--	--	--	--
12...	0245	228	5.62	222	--	--	--	--	--
12...	0500	234	5.65	216	--	--	--	--	--
12...	0730	234	5.65	212	--	--	--	--	--
12...	0945	241	5.68	223	--	--	--	--	--
12...	1200	254	5.74	204	--	--	--	--	--
12...	1415	247	5.71	201	--	--	--	--	--
12...	1630	245	5.70	203	--	--	--	--	--
12...	1845	249	5.72	199	--	--	--	--	--
12...	2100	241	5.68	207	--	--	--	--	--
12...	2315	256	5.75	206	--	--	--	--	--
13...	0130	239	5.67	205	--	--	--	--	--
13...	0345	236	5.66	205	--	--	--	--	--
13...	0600	228	5.62	205	--	--	--	--	--
13...	0815	222	5.59	206	--	--	--	--	--
13...	1000	220	3.62	200	8.3	9.5	8.00	695	10.3
13...	1030	222	5.59	204	--	--	--	--	--

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)
OCT								
14...	98	12	206	189	--	--	--	--
JAN								
07...	--	--	--	--	32700	9350	--	--
07...	--	--	--	--	45100	14400	77	100
07...	--	--	--	--	34500	19700	--	--
07...	--	--	--	--	16700	6460	95	100
07...	--	--	--	--	11200	3270	--	--
07...	--	--	--	--	13000	4830	94	100
07...	--	--	--	--	39500	27300	--	--
08...	--	--	--	--	53100	52800	--	--
FEB								
20...	--	--	--	--	8040	9010	--	--
20...	--	--	--	--	6000	3970	--	--
20...	--	--	--	--	1860	1080	--	--
MAR								
24...	--	--	--	--	628	242	--	--
APR								
11...	--	--	--	--	638	382	--	--
12...	--	--	--	--	809	498	58	100
12...	--	--	--	--	920	581	54	100
12...	--	--	--	--	887	560	66	100
12...	--	--	--	--	1020	662	--	--
12...	--	--	--	--	1130	772	--	--
12...	--	--	--	--	1250	831	63	100
12...	--	--	--	--	3410	2260	90	100
12...	--	--	--	--	945	635	58	100
12...	--	--	--	--	869	565	57	100
12...	--	--	--	--	723	500	--	--
13...	--	--	--	--	1680	1080	84	100
13...	--	--	--	--	508	324	--	--
13...	--	--	--	--	435	268	--	--
13...	--	--	--	--	467	280	--	--
13...	99	--	--	--	--	--	--	--
13...	--	--	--	--	479	287	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai,Arizona, water years 1991-93

STATION DESCRIPTION

LOCATION—Lat 36°23'45", long 112°37'52", in sec.32, T.35 N., R.3W. (unsurveyed), Coconino County, Hydrologic unit 15010003, in Grand Canyon National Park, on left bank 0.4 mi upstream from mouth and 12 mi north of Supai.

DRAINAGE AREA—2,359 mi^2, of which 8 mi^2 is noncontributing.

WATER DISCHARGE RECORDS

PERIOD OF RECORD—November 1990 to April 1993 (discontinued).

GAGE—Water-stage recorder. Elevation of gage is 1,920 ft above sea level, from topographic map.

REMARKS—Records poor.

EXTREMES FOR DATA PERIOD—Maximum discharge, 2,540 ft^3/s, August 23, 1992; gage height, 10.44 ft; minimum daily discharge, 1.1 ft^3/s, August 29, 1992.

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	4.5	4.4	---	25	4.2	3.7	6.9	3.3	3.4	4.0
2	---	4.5	4.5	4.4	---	9.6	4.1	3.7	7.8	3.3	3.4	10
3	---	4.5	4.5	4.4	---	3.6	4.1	3.7	3.8	3.3	3.8	3.9
4	---	4.5	4.5	17	---	3.5	4.0	3.8	3.7	3.3	3.5	3.7
5	---	4.5	4.5	14	---	3.5	4.0	3.7	3.7	3.3	3.5	3.7
6	---	4.5	4.5	5.9	---	3.3	4.0	3.7	3.6	3.3	3.4	19
7	---	4.5	4.5	4.1	3.9	3.3	4.0	3.7	3.6	3.4	3.3	23
8	---	4.5	4.5	4.0	3.9	3.3	3.9	3.7	3.6	3.4	3.3	13
9	---	4.5	4.5	4.0	3.9	3.3	3.9	3.6	3.6	3.4	3.3	5.6
10	---	4.5	4.5	4.0	3.9	3.3	3.9	3.6	3.5	3.4	3.3	4.0
11	---	4.5	4.5	4.0	3.9	3.3	3.8	3.7	3.5	3.6	3.5	3.9
12	---	4.5	4.5	4.0	3.9	3.3	4.0	3.7	3.5	3.5	3.5	3.9
13	---	4.5	4.5	3.9	3.9	3.3	4.0	3.7	3.5	3.4	3.4	3.8
14	---	4.5	4.4	3.9	3.9	3.4	3.9	3.7	3.5	3.4	3.4	3.8
15	---	4.5	4.4	---	3.9	3.6	3.9	3.7	3.5	3.4	3.3	3.7
16	---	4.5	4.4	---	3.9	4.1	3.9	3.7	3.5	3.3	3.3	3.7
17	---	4.5	4.4	---	3.9	3.4	3.8	3.7	3.5	3.4	3.3	3.7
18	---	4.5	4.4	---	3.9	3.4	3.8	3.5	3.5	3.4	3.5	3.7
19	---	4.5	4.4	---	3.9	3.4	3.9	3.6	3.5	3.5	3.4	3.8
20	---	4.6	4.5	---	3.9	3.4	3.8	3.6	3.5	3.7	3.3	3.8
21	---	4.5	4.5	---	3.9	3.5	3.8	3.6	3.5	3.7	3.3	3.9
22	---	4.5	4.4	---	3.9	3.5	3.8	3.7	3.5	3.5	3.4	3.9
23	---	4.5	5.2	---	3.9	3.6	3.8	3.7	3.5	3.4	3.5	3.9
24	---	4.5	6.6	---	3.9	3.6	3.7	3.7	3.4	3.4	3.4	3.8
25	---	4.5	7.0	---	3.9	3.6	3.7	3.7	3.4	3.4	3.6	3.8
26	---	4.6	5.3	---	3.9	30	3.7	3.6	3.4	3.4	3.5	3.9
27	---	4.5	4.4	---	3.9	12	3.7	3.6	3.5	3.5	3.5	3.8
28	---	4.5	4.4	---	3.9	4.8	3.7	3.6	3.4	3.4	3.5	3.9
29	---	4.5	4.4	---	---	4.2	3.7	3.7	3.3	3.3	3.4	3.9
30	---	4.5	4.5	---	---	4.1	3.7	3.6	3.3	3.4	3.4	3.7
31	---	---	4.7	---	---	4.2	---	5.8	---	3.4	3.6	---
TOTAL	---	---	144.8	---	---	173.4	116.2	115.8	113.0	105.8	106.2	166.2
MEAN	---	---	4.67	---	---	5.59	3.87	3.74	3.77	3.41	3.43	5.54
MAX	---	---	7.0	---	---	30	4.2	5.8	7.8	3.7	3.8	23
MIN	---	---	4.4	---	---	3.3	3.7	3.5	3.3	3.3	3.3	3.7
ACRE-FT	---	---	287	---	---	344	230	230	224	210	211	330

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.7	3.6	3.6	3.7	3.5	7.6	23	7.9	9.5	4.1	3.8	23
2	3.7	3.6	3.6	3.7	3.6	7.7	21	8.0	6.9	4.1	3.6	8.7
3	3.7	3.6	3.6	4.0	3.5	15	27	8.1	6.6	4.0	3.6	3.6
4	3.7	3.6	3.6	4.2	3.5	11	19	8.2	6.4	3.9	3.6	2.7
5	3.6	3.6	3.6	3.9	3.5	10	15	8.7	6.1	3.9	8.0	2.6
6	3.7	3.6	3.6	17	3.5	8.3	13	8.7	6.0	3.7	16	2.6
7	3.7	3.4	3.6	5.9	3.6	8.0	12	8.3	5.9	3.9	5.5	2.5
8	3.7	3.4	3.6	4.0	3.7	9.6	12	8.3	5.8	4.1	3.5	2.4
9	3.7	3.4	3.6	3.9	3.6	9.5	9.2	8.2	5.9	3.9	3.4	2.4
10	3.7	3.4	3.7	3.9	3.8	7.9	8.7	8.0	5.7	13	3.7	2.3
11	3.7	3.4	3.8	3.9	3.7	7.9	8.7	8.0	5.7	17	4.5	2.3
12	3.7	3.4	3.6	3.9	3.6	8.0	8.6	8.1	5.5	5.7	6.0	2.2
13	3.7	3.4	3.6	3.7	100	8.1	8.5	8.1	5.5	5.7	3.5	2.2
14	3.7	3.7	3.6	3.7	21	8.0	8.4	8.0	5.4	5.5	3.4	2.3
15	3.7	3.7	3.6	3.7	9.4	7.9	8.4	8.0	5.3	8.6	3.4	2.4
16	3.7	3.6	3.6	3.7	18	7.9	8.4	8.0	5.3	5.8	3.4	25
17	3.7	3.6	3.7	3.7	9.9	7.9	8.3	8.0	5.1	5.1	3.4	16
18	3.7	3.7	3.7	3.7	8.3	7.8	8.2	8.0	5.1	4.9	3.4	7.0
19	3.4	3.6	12	3.7	8.2	8.0	8.1	8.2	4.9	4.9	3.3	40
20	3.4	3.6	5.6	3.7	8.2	8.0	8.1	8.7	4.8	4.7	3.3	30
21	3.4	3.6	3.8	3.7	8.2	8.2	8.2	17	4.7	4.7	14	11
22	3.4	3.5	3.8	3.7	8.2	8.1	8.7	10	4.7	4.5	38	5.6
23	3.4	3.5	3.7	3.7	8.0	9.0	8.2	8.7	4.6	4.5	233	4.6
24	3.4	3.6	3.7	3.7	7.9	11	8.1	8.8	4.5	4.7	26	4.4
25	3.4	3.6	3.7	3.7	7.9	8.4	8.0	9.3	4.5	30	12	4.3
26	3.4	3.6	3.7	3.7	7.8	8.4	8.0	10	4.3	23	47	4.3
27	3.9	3.6	3.7	3.7	7.8	11	8.0	83	4.3	6.0	7.0	---
28	3.5	3.6	3.7	3.5	7.8	17	7.9	26	4.3	4.4	1.5	---
29	3.6	3.6	3.8	3.5	7.8	12	7.9	28	4.2	4.1	1.1	---
30	3.8	3.6	5.1	3.5	---	9.0	8.0	142	4.2	4.1	1.2	---
31	3.6	---	4.5	3.5	---	27	---	26	---	4.0	66	---
TOTAL	112.1	106.7	126.1	131.5	297.5	303.2	324.6	532.3	161.7	210.5	539.1	---
MEAN	3.62	3.56	4.07	4.24	10.3	9.78	10.8	17.2	5.39	6.79	17.4	---
MAX	3.9	3.7	12	17	100	27	27	142	9.5	30	233	---
MIN	3.4	3.4	3.6	3.5	3.5	7.6	7.9	7.9	4.2	3.7	1.1	---
ACRE-FT	222	212	250	261	590	601	644	1060	321	418	1070	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	19	4.2	4.9	64	47	59	---	---	---	---	---
2	---	30	4.2	4.9	26	24	69	---	---	---	---	---
3	---	9.9	4.3	4.9	15	23	141	---	---	---	---	---
4	---	5.9	4.5	4.9	12	19	172	---	---	---	---	---
5	---	4.5	4.4	4.9	11	18	70	---	---	---	---	---
6	---	4.2	4.4	5.3	9.7	17	74	---	---	---	---	---
7	---	4.1	4.4	12	8.5	17	59	---	---	---	---	---
8	---	4.2	4.4	30	30	18	47	---	---	---	---	---
9	---	4.2	4.4	42	47	18	47	---	---	---	---	---
10	---	4.2	4.4	89	58	20	53	---	---	---	---	---
11	---	4.2	4.4	48	30	21	51	---	---	---	---	---
12	---	4.2	4.6	23	16	25	45	---	---	---	---	---
13	---	4.2	4.4	11	12	36	31	---	---	---	---	---
14	---	4.2	4.4	9.4	11	37	31	---	---	---	---	---
15	---	4.2	4.4	14	9.8	72	27	---	---	---	---	---
16	---	4.2	4.5	29	9.5	73	---	---	---	---	---	---
17	---	4.2	4.5	58	9.0	45	---	---	---	---	---	---
18	---	4.1	4.7	99	8.7	53	---	---	---	---	---	---
19	---	4.1	4.5	70	16	66	---	---	---	---	---	---
20	3.2	4.2	4.5	38	91	75	---	---	---	---	---	---
21	3.2	4.3	4.5	18	63	64	---	---	---	---	---	---
22	3.2	4.3	4.5	15	40	55	---	---	---	---	---	---
23	3.2	4.3	4.5	13	20	63	---	---	---	---	---	---
24	4.5	4.2	4.5	13	119	72	---	---	---	---	---	---
25	8.9	4.2	4.5	11	31	68	---	---	---	---	---	---
26	3.7	4.2	4.5	9.9	34	67	---	---	---	---	---	---
27	3.4	4.2	4.5	9.1	24	85	---	---	---	---	---	---
28	3.6	4.3	21	10	86	90	---	---	---	---	---	---
29	3.5	4.3	9.2	11	---	86	---	---	---	---	---	---
30	3.6	4.2	5.3	79	---	65	---	---	---	---	---	---
31	8.4	---	4.9	134	---	52	---	---	---	---	---	---
TOTAL	---	174.5	160.4	925.2	911.2	1491	---	---	---	---	---	---
MEAN	---	5.82	5.17	29.8	32.5	48.1	---	---	---	---	---	---
MAX	---	30	21	134	119	90	---	---	---	---	---	---
MIN	---	4.1	4.2	4.9	8.5	17	---	---	---	---	---	---
ACRE-FT	---	346	318	1840	1810	2960	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991-93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—November 1990 to November 1991, and June 1992 to April 1993.

PERIOD OF DAILY RECORD—

WATER TEMPERATURE: November 1990 to November 1991, and June 1992 to April 1993.

SPECIFIC CONDUCTANCE: November 1990 to November 1991, and June 1992 to April 1993.

pH: November 1990 to November 1991, and June 1992 to April 1993.

DISSOLVED-OXYGEN CONCENTRATION: November 1990 to November 1991, and June 1992 to April 1993.

INSTRUMENTATION—Water temperature, specific conductance, pH and dissolved-oxygen recorder from November 1990 to November 1991, and June 1992 to April 1993.

REMARKS.—

TEMPERATURE: Record good and within 0.5°C.

SPECIFIC CONDUCTANCE: Record fair and within 10 percent, except for water year 1993, which is good and within 5 percent.

pH: Record good and within 0.2 units.

DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L except for water year 1993, which is poor and could exceed 1.0 mg/L.

EXTREMES FOR DATA PERIOD—

WATER TEMPERATURE: Maximum, 32.4°C July 28, 1991; minimum, 0.1°C on many days in water year 1991.

SPECIFIC CONDUCTANCE: Maximum, 1,890 μS/cm, November 2, 1992; minimum, 237 μS/cm, March 26, 1991.

pH: Maximum, 8.8 units, on several days in water year 1991 and November 4–5, 1992; minimum, 7.7 units, January 30, 1993.

DISSOLVED-OXYGEN CONCENTRATION: Maximum, 12.1 mg/L, December 20 and 22, 1992; minimum, 6.5 mg/L, August 24–25, and 28–29, 1991.

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	1.7	.1	.9
2	---	---	---	---	---	---	---	---	---	2.1	.8	1.4
3	---	---	---	---	---	---	---	---	---	3.6	1.9	2.7
4	---	---	---	---	---	---	---	---	---	5.5	3.5	4.1
5	---	---	---	---	---	---	---	---	---	6.6	4.2	5.1
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	6.1	4.7	5.4	---	---	---
8	---	---	---	---	---	---	6.0	4.6	5.2	8.3	7.3	7.6
9	---	---	---	---	---	---	6.2	4.7	5.3	---	---	---
10	---	---	---	---	---	---	6.3	5.0	5.5	---	---	---
11	---	---	---	---	---	---	6.9	5.1	6.0	---	---	---
12	---	---	---	---	---	---	8.6	6.9	7.7	---	---	---
13	---	---	---	---	---	---	9.4	8.1	8.7	---	---	---
14	---	---	---	---	---	---	8.8	6.6	7.8	---	---	---
15	---	---	---	---	---	---	6.5	5.4	6.1	---	---	---
16	---	---	---	---	---	---	7.6	6.2	6.8	---	---	---
17	---	---	---	---	---	---	7.0	5.8	6.3	---	---	---
18	---	---	---	---	---	---	6.0	5.0	5.5	---	---	---
19	---	---	---	---	---	---	6.5	4.9	5.7	---	---	---
20	---	---	---	---	---	---	6.3	3.8	5.3	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	.1	.1	.1	---	---	---
24	---	---	---	---	---	---	.1	.1	.1	---	---	---
25	---	---	---	---	---	---	.1	.1	.1	---	---	---
26	---	---	---	---	---	---	1.1	.1	.6	---	---	---
27	---	---	---	---	---	---	1.3	.5	.9	---	---	---
28	---	---	---	---	---	---	1.7	.8	1.1	---	---	---
29	---	---	---	---	---	---	3.0	1.5	2.1	---	---	---
30	---	---	---	---	---	---	1.3	.1	.5	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	10.7	9.1	10.2	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	16.2	11.1	13.0	---	---	---
4	---	---	---	---	---	---	16.7	11.5	13.3	---	---	---
5	---	---	---	---	---	---	16.5	12.0	13.9	---	---	---
6	---	---	---	---	---	---	17.2	13.4	14.8	---	---	---
7	8.5	6.4	7.4	---	---	---	18.2	13.6	14.9	---	---	---
8	9.0	6.9	7.7	---	---	---	16.8	11.6	13.5	---	---	---
9	9.0	6.9	7.7	---	---	---	---	---	---	---	---	---
10	9.0	6.9	7.7	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	11.6	7.9	9.3	---	---	---	---	---	---
14	---	---	---	11.1	9.1	9.8	---	---	---	---	---	---
15	---	---	---	9.6	8.5	9.1	---	---	---	---	---	---
16	---	---	---	10.6	8.1	9.1	---	---	---	---	---	---
17	---	---	---	11.5	8.1	9.5	---	---	---	---	---	---
18	---	---	---	12.6	8.5	10.1	---	---	---	22.0	13.4	15.9
19	---	---	---	10.6	9.4	9.9	---	---	---	23.5	14.2	16.5
20	---	---	---	10.5	8.4	9.4	---	---	---	23.2	14.5	17.1
21	---	---	---	10.3	8.4	9.2	---	---	---	23.7	14.7	17.2
22	---	---	---	11.7	8.5	9.8	---	---	---	17.6	15.3	16.4
23	---	---	---	12.4	8.9	10.5	---	---	---	24.4	15.7	18.6
24	---	---	---	13.4	10.0	11.3	---	---	---	25.5	16.5	19.6
25	10.7	7.4	8.8	13.3	10.7	11.4	---	---	---	26.7	17.8	20.6
26	10.5	7.0	8.5	10.9	7.4	9.2	---	---	---	25.7	18.2	20.4
27	10.8	7.1	9.0	8.8	7.5	8.1	---	---	---	24.3	17.2	18.9
28	11.2	9.5	10.4	12.2	7.8	9.5	---	---	---	25.5	16.0	19.2
29	---	---	---	13.2	9.0	10.3	---	---	---	26.0	16.7	19.4
30	---	---	---	12.8	8.2	10.1	---	---	---	22.0	15.9	17.8
31	---	---	---	13.9	9.0	10.9	---	---	---	19.0	15.9	17.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19.2	16.2	17.3	29.2	19.4	22.9	30.3	23.7	25.9	26.3	22.8	23.6
2	21.7	16.2	18.2	30.4	20.8	24.2	31.0	24.2	26.2	25.9	22.0	23.8
3	26.9	17.7	20.5	30.7	21.7	24.9	30.0	24.2	26.0	27.5	22.0	24.1
4	25.0	18.4	20.9	30.7	21.4	24.8	28.2	23.8	25.5	27.2	21.9	24.1
5	26.1	19.6	21.2	30.8	22.7	24.9	28.7	23.2	24.8	26.8	22.3	23.4
6	27.8	18.6	21.6	28.2	22.2	24.1	28.1	22.2	23.8	23.7	21.5	22.3
7	28.3	18.3	21.7	30.5	22.5	24.7	29.3	21.2	24.2	23.8	21.3	22.2
8	28.0	18.4	21.7	29.6	22.5	24.3	29.3	21.0	24.2	23.6	20.5	21.8
9	28.9	18.8	22.4	24.8	21.7	23.0	30.5	21.5	24.7	24.0	21.0	21.9
10	28.2	20.0	22.8	28.0	22.0	24.1	28.5	23.5	24.7	23.2	20.3	21.0
11	28.5	20.5	22.8	26.0	22.0	24.2	24.7	22.9	23.7	23.8	19.8	21.1
12	27.8	20.1	22.5	31.2	22.8	25.5	29.6	23.3	25.4	23.3	18.7	20.6
13	27.7	20.0	22.3	31.2	23.0	25.5	30.8	23.6	26.1	22.4	18.3	20.2
14	28.5	19.5	22.1	28.5	23.3	25.4	29.2	23.9	25.6	22.7	18.8	20.4
15	28.3	19.6	22.4	31.3	22.8	25.5	29.7	24.0	25.5	23.5	18.8	20.7
16	28.6	19.7	22.8	31.0	22.7	25.6	28.5	22.0	24.6	22.8	17.3	19.6
17	26.5	20.2	22.8	29.5	23.3	25.7	26.2	22.2	24.1	22.4	17.1	19.5
18	26.0	21.0	22.4	31.8	23.9	26.4	27.6	22.7	24.4	22.7	17.5	19.9
19	26.5	20.0	21.9	27.0	23.5	24.8	29.3	22.2	24.6	24.0	19.5	21.3
20	27.0	18.8	21.7	24.7	22.9	23.6	29.0	21.7	24.7	24.0	20.5	21.7
21	27.5	18.7	21.6	29.7	21.9	24.7	29.7	21.8	24.9	24.0	20.0	21.7
22	27.3	18.3	21.8	32.2	23.3	25.6	25.7	23.5	24.6	24.9	21.0	22.4
23	27.1	18.8	21.4	31.0	23.8	25.9	29.2	23.2	25.3	24.8	21.0	22.4
24	25.0	18.0	20.1	29.2	22.2	24.6	29.5	23.5	25.6	23.3	18.8	21.0
25	25.8	17.5	20.2	31.5	22.9	25.6	28.5	23.7	25.0	22.9	18.4	20.4
26	26.8	18.6	20.9	29.0	22.5	25.0	28.7	24.0	25.4	22.8	18.4	20.4
27	20.2	18.2	19.1	31.8	23.3	26.2	25.5	22.9	24.1	23.3	19.8	21.3
28	25.7	17.2	19.7	32.4	23.0	26.4	28.8	23.8	25.4	23.3	20.3	21.2
29	24.0	17.8	20.1	30.5	23.2	25.5	28.3	21.7	24.3	23.6	20.0	21.3
30	27.7	18.0	21.6	29.0	23.5	25.2	25.3	20.9	23.3	23.0	19.2	20.8
31	---	---	---	28.8	24.2	25.4	24.5	23.0	23.8	---	---	---
MONTH	28.9	16.2	21.3	32.4	19.4	25.0	31.0	20.9	24.9	27.5	17.1	21.5

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	22.3	18.4	20.2	10.6	8.4	9.4	---	---	---	---	---	---
2	21.7	17.6	19.5	11.8	9.6	10.6	---	---	---	---	---	---
3	21.3	17.2	18.9	11.1	9.2	10.2	---	---	---	---	---	---
4	20.8	16.7	18.5	11.2	9.1	10.2	---	---	---	---	---	---
5	19.6	15.6	17.5	12.2	10.2	11.1	---	---	---	---	---	---
6	19.7	15.4	17.3	13.1	11.2	12.0	---	---	---	---	---	---
7	19.9	15.9	17.7	13.7	12.0	12.7	---	---	---	---	---	---
8	20.4	16.7	18.3	14.3	12.4	13.3	---	---	---	---	---	---
9	20.8	17.3	18.7	14.8	13.0	13.9	---	---	---	---	---	---
10	20.6	16.9	18.4	16.1	14.2	14.9	---	---	---	---	---	---
11	20.2	16.8	18.4	15.2	13.6	14.2	---	---	---	---	---	---
12	20.8	17.6	19.0	14.4	12.7	13.4	---	---	---	---	---	---
13	20.7	17.3	18.7	13.4	11.9	12.7	---	---	---	---	---	---
14	19.4	16.4	17.9	13.8	12.6	13.1	---	---	---	---	---	---
15	19.4	16.1	17.5	12.8	11.2	12.0	---	---	---	---	---	---
16	18.9	15.6	17.1	---	---	---	---	---	---	---	---	---
17	19.0	16.1	17.4	---	---	---	---	---	---	---	---	---
18	18.9	15.8	17.1	---	---	---	---	---	---	---	---	---
19	18.3	15.3	16.7	---	---	---	---	---	---	---	---	---
20	18.6	16.0	17.0	---	---	---	---	---	---	---	---	---
21	17.8	15.1	16.3	---	---	---	---	---	---	---	---	---
22	18.4	16.2	17.0	---	---	---	---	---	---	---	---	---
23	18.0	16.3	16.9	---	---	---	---	---	---	---	---	---
24	17.3	15.1	16.1	---	---	---	---	---	---	---	---	---
25	16.1	14.1	15.1	---	---	---	---	---	---	---	---	---
26	15.5	13.5	14.5	---	---	---	---	---	---	---	---	---
27	15.1	12.4	14.1	---	---	---	---	---	---	---	---	---
28	12.4	9.9	10.8	---	---	---	---	---	---	---	---	---
29	11.2	9.9	10.3	---	---	---	---	---	---	---	---	---
30	10.9	9.2	10.1	---	---	---	---	---	---	---	---	---
31	9.6	8.0	8.8	---	---	---	---	---	---	---	---	---
MONTH	22.3	8.0	16.5	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	26.7	19.0	21.3	29.2	22.6	25.2	---	---	---
2	---	---	---	28.8	18.6	22.4	32.2	23.6	26.6	---	---	---
3	29.7	20.4	23.5	27.7	19.5	22.9	32.2	24.6	26.4	---	---	---
4	27.8	20.2	22.9	30.7	21.3	24.3	29.7	22.9	25.4	---	---	---
5	30.3	21.7	24.1	31.8	22.8	25.8	25.1	23.3	24.4	---	---	---
6	27.7	20.7	22.7	31.3	23.5	25.8	26.7	22.9	23.6	---	---	---
7	28.2	19.6	22.5	24.8	23.1	23.9	26.3	22.6	23.9	---	---	---
8	28.8	20.0	22.5	25.4	22.2	23.2	27.9	23.5	25.2	---	---	---
9	27.5	20.3	22.7	30.3	21.2	24.3	29.1	23.7	25.7	---	---	---
10	28.9	21.1	23.8	26.9	23.0	24.3	29.2	24.6	26.0	---	---	---
11	28.3	21.7	23.6	28.5	22.5	24.5	29.1	25.1	26.1	---	---	---
12	28.5	19.4	22.5	30.1	23.0	24.8	28.5	24.2	26.1	---	---	---
13	25.8	18.4	20.7	29.6	22.5	24.5	29.4	24.9	26.5	---	---	---
14	24.0	17.5	19.0	30.4	22.2	24.9	29.6	24.9	26.3	---	---	---
15	26.1	15.8	19.1	28.0	22.5	24.9	29.2	23.9	25.9	---	---	---
16	26.2	17.0	20.0	31.8	22.3	25.7	28.7	24.8	26.1	---	---	---
17	27.7	17.2	21.3	32.0	23.1	26.0	28.1	24.6	26.0	---	---	---
18	29.2	19.3	22.6	31.1	22.8	25.5	29.5	25.3	26.8	---	---	---
19	29.3	19.4	23.1	31.2	22.2	25.2	28.9	24.4	26.2	---	---	---
20	29.7	19.6	23.3	31.6	22.4	24.9	27.4	23.7	25.1	---	---	---
21	30.2	20.8	24.0	31.2	23.8	25.8	---	---	---	---	---	---
22	29.7	21.1	24.0	28.4	23.1	24.7	---	---	---	---	---	---
23	29.5	22.3	24.2	30.0	23.1	25.1	---	---	---	---	---	---
24	28.3	21.4	23.6	24.7	22.5	23.8	---	---	---	---	---	---
25	28.3	21.0	23.0	27.4	22.3	24.0	---	---	---	---	---	---
26	29.0	20.0	23.2	26.1	21.9	23.9	---	---	---	---	---	---
27	30.6	20.5	24.2	28.8	21.7	24.4	---	---	---	---	---	---
28	31.4	21.7	24.5	30.2	22.4	24.7	---	---	---	---	---	---
29	26.5	20.0	22.9	30.6	23.0	25.4	---	---	---	---	---	---
30	28.2	18.7	21.6	30.6	23.1	25.1	---	---	---	---	---	---
31	---	---	---	28.4	22.6	24.4	---	---	---	---	---	---
MONTH	---	---	---	32.0	18.6	24.5	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Water temperature, in degrees Celsius, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	14.3	12.3	12.9	6.1	4.5	5.3	7.8	6.3	7.1
2	---	---	---	12.8	11.2	12.1	6.6	5.0	5.8	8.0	6.6	7.5
3	---	---	---	12.4	9.9	10.9	7.5	5.8	6.7	6.6	4.0	5.0
4	---	---	---	10.7	8.9	9.8	8.7	7.4	8.0	4.3	3.0	3.7
5	---	---	---	10.5	9.1	9.8	8.1	7.4	7.8	4.8	3.3	4.1
6	---	---	---	10.9	9.1	10.1	7.9	6.6	7.3	6.6	4.8	5.8
7	---	---	---	11.1	9.3	10.2	7.5	6.3	6.9	8.6	6.6	7.7
8	---	---	---	11.6	9.9	10.8	8.0	6.8	7.4	8.2	7.6	8.0
9	---	---	---	13.1	11.2	11.9	8.7	7.3	8.0	8.2	5.3	7.1
10	---	---	---	12.4	9.5	11.6	8.2	6.6	7.5	7.1	4.6	5.3
11	---	---	---	9.5	8.1	8.7	8.0	6.5	7.2	7.1	5.6	6.5
12	---	---	---	9.1	7.4	8.3	8.1	7.0	7.7	5.6	3.8	4.5
13	---	---	---	9.8	7.9	8.8	7.0	5.6	6.2	7.0	4.4	5.9
14	---	---	---	10.2	8.4	9.2	5.7	4.4	5.2	8.7	7.0	7.9
15	---	---	---	10.7	8.9	9.7	6.4	5.1	5.7	9.6	8.7	9.2
16	---	---	---	11.4	9.5	10.4	5.3	3.8	4.4	9.5	9.0	9.2
17	---	---	---	11.4	9.8	10.6	4.5	3.6	4.0	9.3	8.1	8.7
18	---	---	---	11.3	9.5	10.5	6.2	4.5	5.3	9.0	6.5	7.6
19	---	---	---	11.5	10.0	10.8	5.3	3.1	3.9	7.3	6.5	7.1
20	17.6	14.9	16.1	10.9	7.5	9.1	3.8	2.0	3.0	7.3	6.3	6.7
21	18.4	16.1	17.1	8.5	6.8	7.8	3.5	2.0	2.8	7.9	6.7	7.4
22	19.3	16.9	17.7	9.1	8.0	8.5	3.2	1.8	2.6	9.0	7.7	8.4
23	18.4	16.2	17.2	8.4	6.9	7.7	3.6	2.1	2.9	8.8	7.3	7.9
24	18.1	17.0	17.4	7.0	5.8	6.5	3.7	2.5	3.1	7.3	6.3	6.8
25	17.6	16.6	17.1	6.1	4.6	5.4	3.7	2.5	3.0	7.1	6.3	6.7
26	17.7	15.6	16.6	5.6	4.2	5.0	3.3	2.0	2.7	7.4	6.3	6.8
27	17.8	15.7	16.8	6.2	4.1	5.2	4.0	2.3	3.2	7.6	6.5	7.1
28	17.1	16.1	16.6	6.4	4.5	5.6	6.3	3.8	4.2	7.8	6.6	7.2
29	17.4	15.7	16.5	6.6	5.2	6.0	6.9	4.3	5.7	8.4	7.3	7.9
30	16.6	15.5	16.1	6.2	4.9	5.5	8.2	6.8	7.4	8.9	5.7	8.1
31	15.9	14.3	14.9	---	---	---	7.6	6.6	7.0	---	---	---
MONTH	---	---	---	14.3	4.1	9.0	8.7	1.8	5.4	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	1250	980	1140
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	1250	248	954	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	1250	1180	1220	---	---	---
4	---	---	---	---	---	---	1260	1240	1250	---	---	---
5	---	---	---	---	---	---	1260	1220	1250	---	---	---
6	---	---	---	---	---	---	1260	1240	1250	---	---	---
7	---	---	---	---	---	---	1260	1240	1250	---	---	---
8	---	---	---	---	---	---	1270	1260	1270	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	1240	1230	1240	---	---	---	---	---	---
14	---	---	---	1240	1230	1230	---	---	---	---	---	---
15	---	---	---	1230	1190	1220	---	---	---	---	---	---
16	---	---	---	1200	1180	1190	---	---	---	---	---	---
17	---	---	---	1210	1150	1190	---	---	---	---	---	---
18	---	---	---	1200	1120	1160	---	---	---	1310	1260	1290
19	---	---	---	1210	1200	1210	---	---	---	1270	1260	1260
20	---	---	---	1220	1200	1210	---	---	---	1270	1250	1260
21	---	---	---	1210	1190	1200	---	---	---	1260	1250	1260
22	---	---	---	1220	1210	1210	---	---	---	1260	1240	1250
23	---	---	---	1220	1210	1220	---	---	---	1250	1240	1240
24	---	---	---	1220	1210	1220	---	---	---	1250	1230	1240
25	1270	1250	1260	1230	1210	1220	---	---	---	1240	1230	1230
26	1270	1260	1270	1210	237	820	---	---	---	1250	1230	1240
27	1270	1220	1260	556	247	403	---	---	---	1250	1240	1240
28	1260	1220	1250	832	556	693	---	---	---	1250	1240	1250
29	---	---	---	1070	832	960	---	---	---	1250	1240	1250
30	---	---	---	1150	1070	1120	---	---	---	1260	1240	1250
31	---	---	---	1170	1150	1160	---	---	---	1300	1240	1250
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1300	860	985	1210	1190	1200	---	---	---	1260	1240	1250
2	1100	652	790	1210	1190	1190	---	---	---	1320	566	721
3	936	712	810	1210	1190	1190	---	---	---	910	730	831
4	1110	936	1050	1210	1190	1190	---	---	---	1100	910	1010
5	1150	1110	1130	1210	1190	1190	---	---	---	1150	1100	1130
6	1170	1150	1160	1200	1180	1190	---	---	---	---	---	---
7	1180	1160	1170	1220	1180	1190	---	---	---	---	---	---
8	1180	1170	1170	1210	1190	1190	---	---	---	---	---	---
9	1180	1170	1180	1190	1180	1190	---	---	---	---	---	---
10	1180	1170	1180	1260	1190	1220	---	---	---	---	---	---
11	1180	1170	1180	---	---	---	---	---	---	---	---	---
12	1190	1180	1180	---	---	---	---	---	---	---	---	---
13	1190	1180	1180	---	---	---	---	---	---	---	---	---
14	1200	1180	1190	---	---	---	---	---	---	---	---	---
15	1200	1190	1190	---	---	---	---	---	---	---	---	---
16	1200	1190	1190	---	---	---	---	---	---	---	---	---
17	1200	1180	1190	---	---	---	---	---	---	---	---	---
18	1190	1180	1180	---	---	---	---	---	---	---	---	---
19	1280	1180	1200	---	---	---	1320	1240	1260	---	---	---
20	1350	1190	1210	---	---	---	1280	1260	1270	---	---	---
21	1220	1200	1200	---	---	---	1280	1260	1270	1190	1180	1190
22	1210	1190	1200	---	---	---	1280	1250	1270	1190	1170	1180
23	1260	1190	1200	---	---	---	1280	1250	1270	1190	1180	1180
24	1260	1200	1210	---	---	---	1270	1260	1270	1210	1190	1190
25	1220	1200	1210	---	---	---	1280	944	1240	1220	1190	1200
26	1220	1190	1200	---	---	---	1270	1240	1260	1200	1190	1200
27	1210	1190	1200	---	---	---	1270	1210	1260	1200	1180	1190
28	1200	1190	1200	---	---	---	1260	1250	1260	1200	1180	1190
29	1200	1190	1200	---	---	---	1270	1250	1260	1190	1180	1180
30	1210	1190	1200	---	---	---	1270	1240	1260	1190	1180	1180
31	---	---	---	---	---	---	1260	1240	1250	---	---	---
MONTH	1350	652	1150	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1190	1190	1190	1210	1190	1210	---	---	---	---	---	---
2	1200	1190	1190	1210	1200	1210	---	---	---	---	---	---
3	1200	1190	1190	1210	1190	1200	---	---	---	---	---	---
4	1200	1190	1190	1210	1200	1210	---	---	---	---	---	---
5	1200	1190	1200	1210	1200	1200	---	---	---	---	---	---
6	1200	1190	1200	1210	1190	1200	---	---	---	---	---	---
7	1200	1190	1190	1200	1190	1200	---	---	---	---	---	---
8	1200	1180	1190	1200	1180	1190	---	---	---	---	---	---
9	1200	1170	1190	1190	1170	1180	---	---	---	---	---	---
10	1190	1180	1190	1180	1170	1180	---	---	---	---	---	---
11	1190	1180	1190	1190	1180	1180	---	---	---	---	---	---
12	1190	1170	1180	1230	1190	1190	---	---	---	---	---	---
13	1190	1180	1180	1290	1180	1200	---	---	---	---	---	---
14	1200	1180	1190	1200	1180	1190	---	---	---	---	---	---
15	1200	1190	1190	1190	1170	1180	---	---	---	---	---	---
16	1200	1190	1200	---	---	---	---	---	---	---	---	---
17	1200	1190	1190	---	---	---	---	---	---	---	---	---
18	1200	1180	1190	---	---	---	---	---	---	---	---	---
19	1200	1180	1190	---	---	---	---	---	---	---	---	---
20	1200	1180	1190	---	---	---	---	---	---	---	---	---
21	1200	1180	1190	---	---	---	---	---	---	---	---	---
22	1200	1180	1190	---	---	---	---	---	---	---	---	---
23	1200	1170	1190	---	---	---	---	---	---	---	---	---
24	1200	1180	1190	---	---	---	---	---	---	---	---	---
25	1200	1180	1190	---	---	---	---	---	---	---	---	---
26	1200	1190	1190	---	---	---	---	---	---	---	---	---
27	1200	1200	1200	---	---	---	---	---	---	---	---	---
28	1220	1190	1200	---	---	---	---	---	---	---	---	---
29	1220	1200	1210	---	---	---	---	---	---	---	---	---
30	1230	1150	1200	---	---	---	---	---	---	---	---	---
31	1210	1200	1200	---	---	---	---	---	---	---	---	---
MONTH	1230	1150	1190	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	1170	1150	1160	---	---	---	---	---	---
2	1220	1170	1200	1160	1150	1160	1210	1190	1200	---	---	---
3	1210	1000	1190	1160	1130	1150	1260	1210	1240	---	---	---
4	1200	1170	1180	1150	1130	1140	1270	1240	1250	---	---	---
5	1180	1160	1170	1150	1130	1140	1340	420	744	---	---	---
6	1170	1160	1170	1150	1130	1140	---	---	---	---	---	---
7	1170	1160	1160	1150	1130	1140	---	---	---	---	---	---
8	1170	1150	1160	1150	1120	1140	---	---	---	---	---	---
9	1160	1140	1150	1140	1100	1120	---	---	---	---	---	---
10	1150	1130	1140	1130	1100	1110	---	---	---	---	---	---
11	1150	1130	1140	1100	330	534	---	---	---	---	---	---
12	1160	1140	1150	---	---	---	---	---	---	---	---	---
13	1160	1150	1160	---	---	---	---	---	---	---	---	---
14	1170	1150	1160	---	---	---	---	---	---	---	---	---
15	1170	1160	1160	---	---	---	---	---	---	---	---	---
16	1170	1150	1160	---	---	---	---	---	---	---	---	---
17	1160	1150	1160	---	---	---	---	---	---	---	---	---
18	1160	1140	1150	---	---	---	---	---	---	---	---	---
19	1150	1130	1140	1150	1120	1140	---	---	---	---	---	---
20	1160	1130	1140	1160	1130	1140	---	---	---	---	---	---
21	1150	1130	1140	1160	1130	1150	---	---	---	---	---	---
22	1150	1130	1140	1160	1140	1150	---	---	---	---	---	---
23	1150	1130	1140	1160	1140	1150	---	---	---	---	---	---
24	1150	1130	1140	1170	1140	1160	---	---	---	---	---	---
25	1150	1130	1150	---	---	---	---	---	---	---	---	---
26	1160	1140	1150	---	---	---	---	---	---	---	---	---
27	1160	1140	1150	---	---	---	---	---	---	---	---	---
28	1150	1130	1140	---	---	---	---	---	---	---	---	---
29	1150	1130	1140	---	---	---	---	---	---	---	---	---
30	1160	1140	1150	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	1200	728	940	1240	1230	1240	1180	1130	1160
2	---	---	---	1890	1140	1400	1240	1230	1230	1190	1180	1180
3	---	---	---	1270	1220	1240	1240	1220	1230	1200	1190	1200
4	---	---	---	1220	1200	1210	1220	1210	1220	1210	1200	1210
5	---	---	---	1220	1200	1210	1220	1210	1220	1220	1210	1220
6	---	---	---	1210	1200	1210	1230	1220	1230	1220	1140	1190
7	---	---	---	1210	1200	1200	1230	1230	1230	1150	569	809
8	---	---	---	1200	1180	1190	1230	1220	1220	---	---	---
9	---	---	---	1190	1180	1190	1230	1220	1220	---	---	---
10	---	---	---	1190	1170	1180	1230	1220	1230	---	---	---
11	---	---	---	1210	1190	1200	1230	1230	1230	---	---	---
12	---	---	---	1210	1200	1200	1230	1190	1210	1430	856	1210
13	---	---	---	1210	1200	1200	1230	1200	1220	1350	1200	1250
14	---	---	---	1200	1190	1200	1240	1220	1240	1200	970	1150
15	---	---	---	1200	1190	1200	1250	1240	1240	1520	994	1200
16	---	---	---	1200	1180	1190	1250	1240	1250	1640	854	1400
17	---	---	---	1190	1180	1190	1250	1230	1240	---	---	---
18	---	---	---	1190	1180	1190	1230	1200	1210	---	---	---
19	---	---	---	1190	1180	1190	1230	1200	1220	---	---	---
20	1180	1160	1170	1210	1190	1200	1240	1230	1240	---	---	---
21	1170	1160	1160	1220	1210	1220	1260	1240	1250	---	---	---
22	1170	1160	1160	1220	1210	1210	1250	1240	1250	---	---	---
23	1170	1160	1170	1220	1210	1210	1250	1250	1250	---	---	---
24	1170	1020	1150	1220	1210	1220	1250	1250	1250	---	---	---
25	1160	571	753	1230	1220	1230	1250	1250	1250	---	---	---
26	866	634	713	1240	1230	1230	1260	1250	1250	---	---	---
27	1110	866	1020	1240	1230	1230	1260	1240	1250	---	---	---
28	1130	1110	1120	1230	1220	1230	1240	297	757	---	---	---
29	1140	1130	1140	1240	1230	1230	598	324	476	---	---	---
30	1150	1080	1140	1240	1230	1230	936	595	754	---	---	---
31	1110	449	874	---	---	---	1130	936	1060	---	---	---
MONTH	---	---	---	1890	728	1210	1260	297	1170	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.6	8.2	8.5	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	8.6	8.4	8.5	---	---	---
5	---	---	---	---	---	---	8.6	8.4	8.5	---	---	---
6	---	---	---	---	---	---	8.6	8.4	8.5	---	---	---
7	8.6	8.3	8.4	---	---	---	8.6	8.4	8.5	---	---	---
8	8.6	8.3	8.4	---	---	---	8.6	8.4	8.5	---	---	---
9	8.6	8.3	8.4	---	---	---	---	---	---	---	---	---
10	8.7	8.3	8.4	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	8.6	8.2	8.4
19	---	---	---	---	---	---	---	---	---	8.6	8.5	8.6
20	---	---	---	---	---	---	---	---	---	8.6	8.5	8.5
21	---	---	---	---	---	---	---	---	---	8.6	8.4	8.5
22	---	---	---	---	---	---	---	---	---	8.7	8.4	8.6
23	---	---	---	---	---	---	---	---	---	8.6	8.4	8.5
24	---	---	---	---	---	---	---	---	---	8.6	8.4	8.5
25	8.6	8.5	8.6	---	---	---	---	---	---	8.6	8.4	8.5
26	8.6	8.6	8.6	---	---	---	---	---	---	8.6	8.4	8.5
27	8.7	8.5	8.6	---	---	---	---	---	---	8.7	8.4	8.5
28	8.7	8.5	8.6	---	---	---	---	---	---	8.7	8.4	8.5
29	---	---	---	---	---	---	---	---	---	8.7	8.4	8.5
30	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
31	---	---	---	---	---	---	---	---	---	8.8	8.4	8.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.8	8.5	8.6	8.6	8.3	8.4	8.5	8.2	8.3	8.8	8.5	8.6
2	8.6	8.3	8.5	8.6	8.4	8.4	8.5	8.2	8.3	8.7	8.3	8.4
3	8.6	8.3	8.5	8.6	8.4	8.5	8.5	8.1	8.3	8.5	8.3	8.4
4	8.6	8.4	8.5	8.7	8.4	8.5	8.5	8.1	8.3	8.4	8.1	8.2
5	8.7	8.4	8.5	8.7	8.4	8.5	8.5	8.2	8.3	8.3	8.0	8.2
6	8.7	8.4	8.5	8.7	8.4	8.5	8.5	8.1	8.3	---	---	---
7	8.7	8.4	8.5	8.6	8.3	8.5	8.4	8.1	8.2	---	---	---
8	8.7	8.4	8.5	8.6	8.3	8.4	8.5	8.1	8.2	---	---	---
9	8.7	8.4	8.5	8.6	8.3	8.4	8.5	8.1	8.3	---	---	---
10	8.8	8.4	8.6	8.7	8.3	8.5	8.5	8.2	8.3	---	---	---
11	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.1	8.3	---	---	---
12	8.7	8.4	8.5	8.4	8.3	8.3	8.5	8.2	8.3	---	---	---
13	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.1	8.3	---	---	---
14	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.2	8.3	---	---	---
15	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.2	8.3	---	---	---
16	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.2	8.3	---	---	---
17	8.7	8.4	8.5	8.5	8.3	8.4	8.5	8.2	8.3	---	---	---
18	8.7	8.4	8.6	8.5	8.3	8.4	8.5	8.2	8.3	---	---	---
19	8.7	8.4	8.5	8.6	8.3	8.4	8.5	8.2	8.3	---	---	---
20	8.7	8.4	8.5	8.6	8.3	8.4	8.6	8.3	8.4	---	---	---
21	8.7	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4	---	---	---
22	8.7	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4	---	---	---
23	8.7	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.5	---	---	---
24	8.7	8.4	8.5	8.5	8.3	8.4	8.7	8.4	8.5	---	---	---
25	8.6	8.4	8.5	8.5	8.3	8.3	8.7	8.4	8.5	---	---	---
26	8.6	8.4	8.5	8.5	8.2	8.3	8.8	8.4	8.5	---	---	---
27	8.7	8.4	8.5	8.5	8.3	8.4	8.8	8.4	8.6	---	---	---
28	8.6	8.4	8.4	8.5	8.3	8.4	8.7	8.4	8.5	---	---	---
29	8.6	8.4	8.5	8.6	8.2	8.4	8.7	8.5	8.6	---	---	---
30	8.6	8.3	8.4	8.5	8.2	8.3	8.8	8.5	8.6	---	---	---
31	---	---	---	8.5	8.1	8.3	8.8	8.5	8.6	---	---	---
MONTH	8.8	8.3	8.5	8.7	8.1	8.4	8.8	8.1	8.4	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.6	8.4	8.5	8.3	---	8.2	---	---	---
2	8.4	8.4	8.4	8.6	8.4	8.4	8.4	8.1	8.3	---	---	---
3	8.4	8.1	8.3	8.6	8.4	8.4	8.3	8.1	8.2	---	---	---
4	8.3	8.3	8.3	8.6	8.3	8.4	8.4	8.2	8.3	---	---	---
5	8.3	8.3	8.3	8.6	8.3	8.4	8.2	8.0	8.1	---	---	---
6	8.4	8.3	8.3	8.6	8.3	8.4	8.4	7.9	8.1	---	---	---
7	8.4	8.3	8.3	8.6	8.3	8.5	8.3	8.0	8.2	---	---	---
8	8.4	8.3	8.4	8.6	8.4	8.5	8.4	8.2	8.3	---	---	---
9	8.4	8.3	8.4	8.6	8.3	8.4	8.4	8.2	8.3	---	---	---
10	8.4	8.3	8.4	8.6	8.3	8.4	8.3	8.1	8.2	---	---	---
11	8.4	8.3	8.4	---	---	---	8.3	8.1	8.2	---	---	---
12	8.4	8.3	8.4	---	---	---	8.3	7.9	8.1	---	---	---
13	8.4	8.3	8.4	---	---	---	8.1	7.9	8.0	---	---	---
14	8.5	8.4	8.4	---	---	---	8.2	8.0	8.1	---	---	---
15	8.5	8.4	8.4	---	---	---	8.2	8.0	8.1	---	---	---
16	8.5	8.4	8.4	---	---	---	8.2	8.0	8.1	---	---	---
17	8.5	8.4	8.4	---	---	---	8.3	8.1	8.2	---	---	---
18	8.5	8.4	8.4	---	---	---	8.3	8.1	8.2	---	---	---
19	8.5	8.4	8.4	8.5	8.3	8.4	8.4	8.2	8.2	---	---	---
20	8.5	8.4	8.4	8.5	8.3	8.4	8.3	8.2	8.3	---	---	---
21	8.5	8.4	8.4	8.5	8.3	8.4	---	---	---	---	---	---
22	8.5	8.4	8.4	8.5	8.3	8.4	---	---	---	---	---	---
23	8.5	8.4	8.4	8.5	8.3	8.4	---	---	---	---	---	---
24	8.5	8.4	8.4	8.5	8.3	8.4	---	---	---	---	---	---
25	8.5	8.4	8.4	8.5	8.0	8.4	---	---	---	---	---	---
26	8.5	8.4	8.4	---	---	---	---	---	---	---	---	---
27	8.5	8.4	8.4	---	---	---	---	---	---	---	---	---
28	8.5	8.4	8.4	---	---	---	---	---	---	---	---	---
29	8.6	8.4	8.5	---	---	---	---	---	---	---	---	---
30	8.6	8.4	8.5	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	8.7	8.4	8.6	8.7	8.6	8.7	8.5	8.4	8.5
2	---	---	---	8.6	8.4	8.5	8.7	8.6	8.7	8.5	8.4	8.4
3	---	---	---	8.7	8.6	8.7	8.7	8.6	8.6	8.5	8.4	8.5
4	---	---	---	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.5
5	---	---	---	8.8	8.7	8.8	8.7	8.5	8.6	8.5	8.5	8.5
6	---	---	---	8.7	8.7	8.7	8.6	8.5	8.5	8.5	8.4	8.5
7	---	---	---	8.7	8.7	8.7	8.6	8.5	8.5	8.5	8.3	8.4
8	---	---	---	8.7	8.6	8.7	8.6	8.5	8.5	8.3	8.0	8.2
9	---	---	---	8.7	8.6	8.7	8.6	8.4	8.5	8.6	8.2	8.4
10	---	---	---	8.7	8.6	8.7	8.6	8.4	8.5	8.3	8.2	8.2
11	---	---	---	8.7	8.7	8.7	8.6	8.5	8.5	8.3	8.1	8.2
12	---	---	---	8.7	8.6	8.6	8.6	8.5	8.5	8.5	8.3	8.4
13	---	---	---	8.6	8.5	8.6	8.6	8.5	8.5	8.5	8.4	8.4
14	---	---	---	8.6	8.5	8.6	8.6	8.5	8.6	8.4	8.4	8.4
15	---	---	---	8.6	8.5	8.6	8.6	8.5	8.6	8.5	8.4	8.4
16	---	---	---	8.6	8.5	8.5	8.6	8.5	8.6	8.5	8.4	8.5
17	---	---	---	8.6	8.5	8.5	8.6	8.5	8.6	8.4	8.1	8.3
18	---	---	---	8.6	8.5	8.6	8.6	8.5	8.6	8.4	8.2	8.3
19	---	---	---	8.6	8.5	8.5	8.6	8.5	8.6	8.3	8.2	8.2
20	8.6	8.5	8.6	8.7	8.5	8.6	8.6	8.6	8.6	8.3	8.3	8.3
21	8.6	8.5	8.6	8.7	8.6	8.6	8.7	8.6	8.6	8.4	8.3	8.4
22	8.6	8.5	8.5	8.7	8.6	8.6	8.6	8.6	8.6	8.4	8.4	8.4
23	8.6	8.5	8.5	8.7	8.6	8.6	8.6	8.6	8.6	8.5	8.4	8.5
24	8.6	8.5	8.5	8.7	8.6	8.7	8.6	8.5	8.6	8.5	8.5	8.5
25	8.6	8.4	8.5	8.7	8.6	8.7	8.6	8.5	8.6	8.5	8.4	8.5
26	8.5	8.4	8.5	8.7	8.6	8.7	8.6	8.5	8.6	8.4	8.4	8.4
27	8.6	8.4	8.5	8.7	8.6	8.7	8.6	8.5	8.6	8.4	8.4	8.4
28	8.5	8.4	8.5	8.7	8.6	8.7	8.5	8.2	8.4	8.4	8.4	8.4
29	8.5	8.4	8.5	8.7	8.6	8.7	8.3	8.2	8.3	8.4	8.4	8.4
30	8.6	8.4	8.5	8.7	8.6	8.7	8.4	8.3	8.4	8.4	7.7	8.3
31	8.6	8.4	8.5	---	---	---	8.5	8.4	8.5	---	---	---
MONTH	---	---	---	8.8	8.4	8.6	8.7	8.2	8.6	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

[Dashes indicate no data]

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	10.7	9.5	10.0	---	---	---
5	---	---	---	---	---	---	10.7	9.4	10.0	---	---	---
6	---	---	---	---	---	---	10.3	---	9.6	---	---	---
7	---	---	---	---	---	---	10.1	9.0	9.6	---	---	---
8	---	---	---	---	---	---	10.8	9.6	10.0	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	9.7	8.1	8.7
19	---	---	---	---	---	---	---	---	---	8.9	8.0	8.3
20	---	---	---	---	---	---	---	---	---	8.8	7.8	8.2
21	---	---	---	---	---	---	---	---	---	8.9	7.9	8.2
22	---	---	---	---	---	---	---	---	---	8.7	7.9	8.3
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	7.7	7.0	7.4	---	---	---	---	---	---
12	---	---	---	7.6	6.8	7.2	---	---	---	---	---	---
13	---	---	---	7.7	6.9	7.2	---	---	---	---	---	---
14	---	---	---	7.5	6.8	7.1	---	---	---	---	---	---
15	---	---	---	7.6	6.7	7.1	---	---	---	---	---	---
16	---	---	---	7.5	6.6	7.0	---	---	---	---	---	---
17	---	---	---	7.4	6.8	7.0	---	---	---	---	---	---
18	---	---	---	7.3	6.6	7.0	---	---	---	---	---	---
19	---	---	---	7.5	6.8	7.1	---	---	---	---	---	---
20	---	---	---	7.7	7.0	7.2	7.9	6.9	7.3	---	---	---
21	---	---	---	---	---	---	7.8	6.9	7.3	8.5	7.6	8.0
22	---	---	---	---	---	---	7.7	6.8	7.2	8.4	7.7	7.9
23	---	---	---	---	---	---	7.5	6.6	7.0	8.3	7.3	7.8
24	---	---	---	---	---	---	7.4	6.5	6.9	8.5	7.7	8.0
25	---	---	---	---	---	---	7.3	6.5	6.9	8.6	7.7	8.1
26	---	---	---	---	---	---	7.5	6.7	7.0	8.5	7.7	8.0
27	---	---	---	---	---	---	7.8	6.8	7.1	8.3	---	7.7
28	---	---	---	---	---	---	7.3	6.5	6.8	8.0	---	7.8
29	---	---	---	---	---	---	7.5	6.5	6.9	8.2	7.5	7.8
30	---	---	---	---	---	---	7.7	6.6	7.1	8.3	7.6	7.9
31	---	---	---	---	---	---	7.4	6.7	6.9	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.2	7.5	7.8	---	---	---	---	---	---	---	---	---
2	8.2	7.5	7.8	---	---	---	---	---	---	---	---	---
3	8.1	7.5	7.7	---	---	---	---	---	---	---	---	---
4	8.2	7.5	7.7	---	---	---	---	---	---	---	---	---
5	8.3	7.5	7.8	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	8.1	7.0	7.7	---	---	---	7.7	6.8	7.1	---	---	---
3	7.9	6.9	7.5	---	---	---	7.4	6.7	7.1	---	---	---
4	7.9	7.0	7.5	---	---	---	7.6	6.8	7.2	---	---	---
5	7.7	6.8	7.3	---	---	---	7.4	7.1	7.2	---	---	---
6	8.1	7.2	7.6	---	---	---	7.5	7.1	7.3	---	---	---
7	8.1	7.2	7.6	---	---	---	---	---	---	---	---	---
8	8.0	7.2	7.6	---	---	---	---	---	---	---	---	---
9	7.9	7.2	7.5	---	---	---	---	---	---	---	---	---
10	7.7	7.0	7.3	---	---	---	---	---	---	---	---	---
11	7.6	6.9	7.3	---	---	---	---	---	---	---	---	---
12	7.6	6.9	7.3	---	---	---	---	---	---	---	---	---
13	7.9	7.1	7.5	---	---	---	---	---	---	---	---	---
14	8.0	7.2	7.7	---	---	---	---	---	---	---	---	---
15	8.2	7.0	7.7	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1991–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	10.8	10.4	10.6
2	---	---	---	---	---	---	---	---	---	10.6	10.2	10.4
3	---	---	---	---	---	---	---	---	---	11.4	10.6	11.1
4	---	---	---	---	---	---	---	---	---	11.9	11.3	11.5
5	---	---	---	---	---	---	---	---	---	11.7	11.1	11.4
6	---	---	---	---	---	---	---	---	---	11.1	10.6	10.9
7	---	---	---	---	---	---	---	---	---	10.8	10.3	10.5
8	---	---	---	---	---	---	---	---	---	10.6	10.2	10.4
9	---	---	---	---	---	---	---	---	---	11.4	10.3	10.8
10	---	---	---	---	---	---	---	---	---	11.4	10.6	11.2
11	---	---	---	---	---	---	---	---	---	10.8	10.5	10.7
12	---	---	---	---	---	---	---	---	---	11.3	10.8	11.2
13	---	---	---	---	---	---	---	---	---	11.1	10.3	10.6
14	---	---	---	---	---	---	---	---	---	10.3	10.0	10.1
15	---	---	---	---	---	---	---	---	---	10.1	10.0	10.0
16	---	---	---	---	---	---	---	---	---	10.5	10.0	10.2
17	---	---	---	---	---	---	---	---	---	10.6	10.2	10.3
18	---	---	---	---	---	---	11.3	10.9	11.1	11.1	10.4	10.7
19	---	---	---	---	---	---	11.9	11.0	11.5	10.9	10.8	10.8
20	---	---	---	---	---	---	12.1	11.4	11.7	11.0	10.8	10.9
21	---	---	---	---	---	---	12.0	11.5	11.7	10.9	10.6	10.7
22	---	---	---	---	---	---	12.1	11.5	11.7	10.6	10.1	10.3
23	---	---	---	---	---	---	12.0	11.5	11.7	10.6	10.2	10.5
24	---	---	---	---	---	---	11.9	11.4	11.6	10.8	10.6	10.7
25	---	---	---	---	---	---	11.9	11.4	11.6	11.0	10.7	10.8
26	---	---	---	---	---	---	12.0	11.5	11.7	10.9	10.6	10.7
27	---	---	---	---	---	---	11.9	11.2	11.5	10.8	10.4	10.6
28	---	---	---	---	---	---	11.5	10.9	11.2	10.7	10.5	10.6
29	---	---	---	---	---	---	11.2	10.4	10.8	10.7	10.3	10.5
30	---	---	---	---	---	---	10.5	10.3	10.4	10.7	10.1	10.4
31	---	---	---	---	---	---	10.9	10.5	10.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY							
08...	1000	3.7	1220	8.3	30.5	19.0	711
JUL							
08...	1600	7.0	1200	8.5	24.0	26.0	715

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
MAY							
08...	9.1	105	--	--	0	157	129
JUL							
08...	8.2	107	<1	39	24	59	88

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
NOV									
01...	0930	4.4	3.88	1270	8.4	20.5	14.0	--	--
JAN									
06...	1230	4.7	3.93	--	--	--	6.0	--	--
FEB									
06...	1500	3.9	3.88	1320	8.4	12.5	8.0	--	--
MAR									
01...	1845	173	5.81	465	--	--	--	--	--
APR									
03...	1000	4.0	3.86	1240	8.5	16.0	11.5	1.0	>14.4
MAY									
30...	1350	3.6	3.83	1140	--	28.5	22.5	--	--
JUL									
10...	1330	3.6	3.83	1240	8.5	36.5	28.0	--	--
SEP									
20...	1115	3.9	3.85	1200	8.5	31.5	22.0	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E.COLI MTEC,MF WATER WHOLE TOTAL (COL / 100 ML) (31648)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	CAR-BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
NOV									
01...	719	9.9	101	--	--	--	--	--	1
JAN									
06...	--	--	--	--	--	--	--	--	--
FEB									
06...	730	--	--	--	--	165	5	192	--
MAR									
01...	--	--	--	--	--	--	--	--	--
APR									
03...	730	10.4	100	--	--	--	--	--	11
MAY									
30...	--	--	--	K1	K1	--	--	--	--
JUL									
10...	721	7.4	100	--	--	--	--	--	10
SEP									
20...	725	8.2	99	--	--	--	--	--	12

DATE	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
NOV									
01...	166	138	--	--	--	--	--	--	--
JAN									
06...	--	--	113	1.4	93	100	--	--	--
FEB									
06...	--	--	--	--	--	--	--	--	--
MAR									
01...	--	--	17100	8000	--	--	92	99	100
APR									
03...	166	154	--	--	--	--	--	--	--
MAY									
30...	--	--	--	--	--	--	--	--	--
JUL									
10...	115	110	--	--	--	--	--	--	--
SEP									
20...	122	120	--	--	--	--	--	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV										
16...	1150	3.6	3.86	1230	8.6	13.0	11.0	--	728	10.9
JAN										
19...	1030	3.7	3.87	458	8.5	6.0	4.0	--	740	13.3
FEB										
13...	1030	283	6.32	465	--	--	--	--	--	--
13...	1230	523	7.08	--	--	--	--	--	--	--
13...	1945	167	5.78	--	--	--	--	--	--	--
MAR										
28...	1330	14	4.08	448	8.4	17.0	14.0	--	728	9.7
28...	1400	14	4.07	--	--	--	14.0	--	--	--
31...	0630	33	4.49	--	--	--	--	--	--	--
MAY										
22...	1615	8.9	3.91	--	--	--	14.0	--	--	--
28...	0230	29	4.42	--	--	--	--	--	--	--
28...	0300	29	4.41	--	--	--	--	--	--	--
28...	0345	29	4.41	--	--	--	--	--	--	--
28...	0430	28	4.39	--	--	--	--	--	--	--
28...	0630	26	4.35	--	--	--	--	--	--	--
28...	0830	27	4.36	--	--	--	--	--	--	--
28...	1030	26	4.35	--	--	--	--	--	--	--
28...	1230	25	4.34	--	--	--	--	--	--	--
31...	0130	23	3.84	--	--	--	--	--	--	--
31...	0245	24	3.82	--	--	--	--	--	--	--
31...	0330	33	3.80	--	--	--	--	--	--	--
31...	0415	33	3.79	--	--	--	--	--	--	--
31...	0615	59	4.68	--	--	--	--	--	--	--
31...	0730	49	4.54	--	--	--	--	--	--	--
JUN										
01...	1550	8.2	3.72	1150	8.3	35.0	25.0	620	710	7.3
AUG										
01...	1730	3.6	3.74	1230	8.3	38.5	30.0	--	715	7.1
06...	1515	122	5.51	1900	--	--	--	--	--	--
22...	0130	52	4.89	848	--	--	--	--	--	--
22...	1330	46	4.82	1400	--	--	--	--	--	--
22...	1530	65	5.03	570	--	--	--	--	--	--
22...	1815	76	5.14	978	--	--	--	--	--	--
23...	0945	65	5.03	1350	--	--	--	--	--	--
24...	0500	52	4.83	768	--	--	--	--	--	--
25...	--	83	5.21	1570	--	--	--	--	--	--
25...	1815	83	5.21	--	--	--	--	--	--	--
26...	1115	114	5.45	1260	--	--	--	--	--	--
26...	1515	116	5.47	858	--	--	--	--	--	--
31...	0245	206	5.98	844	--	--	--	--	--	--
31...	1015	164	5.76	--	--	--	--	--	--	--
31...	1016	164	5.76	878	--	--	--	--	--	--
31...	1215	133	5.58	898	--	--	--	--	--	--
31...	1415	84	5.22	1180	--	--	--	--	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)
NOV										
16...	104	7	148	133	--	--	--	--	--	--
JAN										
19...	104	8	179	161	--	--	--	--	--	--
FEB										
13...	--	--	--	--	2040	1560	--	--	--	--
13...	--	--	--	--	15200	21500	95	100	--	--
13...	--	--	--	--	21500	9690	78	100	--	--
MAR										
28...	99	0	101	83	18	0.69	94	100	--	--
28...	--	--	--	--	188	7.1	--	--	--	--
31...	--	--	--	--	33300	2970	78	100	--	--
MAY										
22...	--	--	--	--	62500	1510	89	99	100	--
28...	--	--	--	--	79000	6190	93	99	100	--
28...	--	--	--	--	49800	3900	95	100	--	--
28...	--	--	--	--	42100	3300	87	99	100	--
28...	--	--	--	--	17000	1290	90	100	--	--
28...	--	--	--	--	12600	885	97	--	--	--
28...	--	--	--	--	7240	528	96	--	--	--
28...	--	--	--	--	84500	5930	84	100	--	--
28...	--	--	--	--	60200	4060	86	100	--	--
31...	--	--	--	--	59600	3700	89	98	100	--
31...	--	--	--	--	86800	5620	89	99	100	--
31...	--	--	--	--	86700	7730	92	100	--	--
31...	--	--	--	--	67600	6020	95	100	--	--
31...	--	--	--	--	52500	8360	96	100	--	--
31...	--	--	--	--	32700	4330	96	100	--	--
JUN										
01...	94	0	120	98	1000000	22100	--	--	--	--
AUG										
01...	100	0	122	100	--	--	--	--	--	--
06...	--	--	--	--	19900	6560	--	--	--	--
22...	--	--	--	--	39200	5510	92	100	--	--
22...	--	--	--	--	16100	2000	--	--	--	--
22...	--	--	--	--	2200	387	--	--	--	--
22...	--	--	--	--	17200	3520	--	--	--	--
23...	--	--	--	--	9940	1740	--	--	--	--
24...	--	--	--	--	13500	1900	--	--	--	--
25...	--	--	--	--	55100	12300	72	97	99	100
25...	--	--	--	--	1740	389	--	--	--	--
26...	--	--	--	--	12900	3960	96	100	--	--
26...	--	--	--	--	34600	10800	85	97	100	--
31...	--	--	--	--	23600	13200	--	--	--	--
31...	--	--	--	--	30700	13600	--	--	--	--
31...	--	--	--	--	25800	11400	89	98	100	--
31...	--	--	--	--	23800	8530	--	--	--	--
31...	--	--	--	--	2200	499	87	100	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV									
16...	--	--	--	--	--	--	--	--	--
JAN									
19...	--	--	--	--	--	--	--	--	--
FEB									
13...	--	--	--	--	--	89	99	100	--
13...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
MAR									
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	64	97	99	100
31...	--	--	--	--	--	--	--	--	--
MAY									
22...	30	43	59	70	78	100	--	--	--
28...	32	45	57	73	84	100	--	--	--
28...	30	43	52	70	86	100	--	--	--
28...	27	30	34	52	66	100	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
31...	15	27	30	46	63	100	--	--	--
31...	15	22	26	44	65	100	--	--	--
31...	16	28	34	53	73	100	--	--	--
31...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
JUN									
01...	--	--	--	--	--	--	--	--	--
AUG									
01...	--	--	--	--	--	--	--	--	--
06...	29	36	48	59	78	93	99	100	--
22...	20	26	30	41	63	100	--	--	--
22...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
22...	30	39	47	64	79	92	100	--	--
23...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
25...	20	21	26	28	42	100	--	--	--
25...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
26...	34	44	54	62	69	100	--	--	--
31...	34	48	54	65	72	83	97	99	100
31...	--	--	--	--	--	--	--	--	--
31...	34	45	56	66	73	100	--	--	--
31...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--

Table 10. 09403850, Kanab Creek above the mouth near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
OCT									
18...	1300	3.9	3.65	1190	8.4	23.0	18.0	--	713
NOV									
02...	0430	4900	4.76	--	--	--	--	--	--
02...	0630	55	4.93	--	--	--	--	--	--
DEC									
28...	1130	81	5.19	--	--	--	--	--	--
JAN									
08...	0700	96	5.32	--	--	--	--	--	--
08...	1030	91	5.28	--	--	--	--	--	--
09...	1615	52	4.83	--	--	--	--	--	--
09...	1815	61	4.99	--	--	--	--	--	--
09...	2015	71	5.09	--	--	--	--	--	--
09...	2215	79	5.17	--	--	--	--	--	--
10...	0015	84	5.22	--	--	--	--	--	--
10...	0215	92	5.29	--	--	--	--	--	--
10...	0415	100	5.35	--	--	--	--	--	--
10...	0615	88	5.26	--	--	--	--	--	--
10...	0815	92	5.29	--	--	--	--	--	--
10...	1015	92	5.29	--	--	--	--	--	--
10...	1215	80	5.18	--	--	--	--	--	--
10...	1415	77	5.15	--	--	--	--	--	--
10...	1615	70	5.08	--	--	--	--	--	--
10...	1815	72	5.10	--	--	--	--	--	--
10...	2015	74	5.12	--	--	--	--	--	--
10...	2215	84	5.22	--	--	--	--	--	--
11...	0015	130	5.56	--	--	--	--	--	--
11...	0215	122	5.51	--	--	--	--	--	--
30...	1300	13	3.93	1780	8.4	--	9.5	--	--
MAR									
28...	1140	68	4.85	--	--	--	10.0	--	--
APR									
16...	1100	22	4.16	1320	8.5	--	14.0	1.20	715

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)
OCT									
18...	8.4	95	7	142	128	--	--	--	--
NOV									
02...	--	--	--	--	--	20800	275000	99	100
02...	--	--	--	--	--	8720	1300	94	100
DEC									
28...	--	--	--	--	--	10400	2280	85	100
JAN									
08...	--	--	--	--	--	16700	4320	88	100
08...	--	--	--	--	--	13900	3430	96	100
09...	--	--	--	--	--	29200	4100	--	--
09...	--	--	--	--	--	24400	4020	--	--
09...	--	--	--	--	--	26400	5050	--	--
09...	--	--	--	--	--	27200	5800	94	100
10...	--	--	--	--	--	16300	3690	--	--
10...	--	--	--	--	--	15500	3840	96	100
10...	--	--	--	--	--	12200	3270	--	--
10...	--	--	--	--	--	10500	2510	89	100
10...	--	--	--	--	--	21600	5370	--	--
10...	--	--	--	--	--	5150	1280	74	100
10...	--	--	--	--	--	14500	3140	--	--
10...	--	--	--	--	--	2350	489	--	--
10...	--	--	--	--	--	6880	1300	90	100
10...	--	--	--	--	--	8820	1710	--	--
10...	--	--	--	--	--	25100	5010	98	100
10...	--	--	--	--	--	24500	5560	--	--
11...	--	--	--	--	--	25600	8980	97	100
11...	--	--	--	--	--	23600	7760	95	100
30...	10.4	--	--	--	--	--	--	--	--
MAR									
28...	--	--	--	--	--	10500	1930	98	100
APR									
16...	9.1	94	--	--	--	--	--	--	--

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990-95

STATION DESCRIPTION

LOCATION—Lat 36°18'24", long 112°45'39", unsurveyed, Coconino County, Hydrologic Unit 15010004, in Grand Canyon National Park, 8.0 mi downstream from Supai, 69.0 mi downstream from Phantom Ranch, 173 mi downstream from Glen Canyon Dam, and 199 mi upstream from Hoover Dam.

DRAINAGE AREA—3,020 mi^2, including 209 mi^2, which are noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—November 1990 to current year.

GAGE—Water-stage recorder. Datum of gage is 1,793.8 ft above sea level.

REMARKS—Records poor. Several diversions and small impoundments upstream for irrigation and public supply.

EXTREMES OUTSIDE PERIOD OF RECORD—January 2, 1910, maximum discharge unknown, floodwave reported about 20 ft high through Supai Village. September 3, 1990, 26.3 ft, 20,300 ft^3/s, on the basis of slope-area computation. Floodwave through Supai Village reported about 14 ft for this event; minimum discharge unknown.

EXTREMES FOR DATA PERIOD—Maximum discharge, 13,400 ft^3/s, February 21, 1991, gage height, 23.4 ft; minimum daily discharge, unknown.

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	72	71	68	72	69	73	78	70	68	---
2	---	---	72	71	68	70	69	74	74	70	69	---
3	---	---	72	71	69	69	70	72	70	70	65	---
4	---	---	72	78	68	70	70	76	69	71	---	---
5	---	74	73	74	68	70	70	73	74	72	---	---
6	---	75	73	71	68	70	70	73	77	76	---	---
7	---	74	73	71	70	70	69	74	77	75	---	---
8	---	74	73	71	72	70	69	74	69	72	---	---
9	---	74	71	72	72	69	68	74	68	71	---	---
10	---	74	71	71	73	69	69	73	73	71	---	---
11	---	73	71	71	73	69	68	76	72	69	---	---
12	---	73	72	70	72	69	67	76	72	67	---	---
13	---	73	72	71	73	69	67	75	71	67	---	---
14	---	73	72	71	73	70	67	74	70	68	---	---
15	---	73	72	71	73	70	67	73	69	67	---	---
16	---	73	73	71	74	70	66	72	69	67	---	---
17	---	73	73	71	75	69	67	73	69	68	---	---
18	---	74	73	70	74	70	67	69	69	68	---	---
19	---	74	74	70	74	72	68	69	70	69	---	---
20	---	75	74	70	74	72	68	67	70	69	---	70
21	---	74	72	70	74	73	69	68	65	68	---	75
22	---	73	71	70	74	71	71	71	66	68	---	70
23	---	73	70	70	75	71	71	69	66	67	---	70
24	---	74	70	69	74	71	72	72	68	67	---	70
25	---	74	71	69	72	70	73	71	68	67	---	70
26	---	74	71	69	70	83	73	71	66	70	---	70
27	---	72	71	69	71	73	72	73	70	68	---	70
28	---	72	72	69	71	72	72	74	70	67	---	71
29	---	72	72	68	---	71	72	70	69	68	---	71
30	---	72	71	68	---	71	72	69	69	68	---	70
31	---	---	71	68	---	70	---	71	---	68	---	---
TOTAL	---	---	2230	2186	2012	2195	2082	2239	2107	2143	---	---
MEAN	---	---	71.9	70.5	71.9	70.8	69.4	72.2	70.2	69.1	---	---
MAX	---	---	74	78	75	83	73	76	78	76	---	---
MIN	---	---	70	68	68	69	66	67	65	67	---	---
AC-FT	---	---	4420	4340	3990	4350	4130	4440	4180	4250	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Discharge in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	70	73	73	71	75	78	71	85	74	69	87
2	72	70	73	72	72	74	70	69	81	74	69	73
3	72	70	72	74	72	75	70	68	83	74	68	72
4	72	70	73	73	72	77	70	67	81	74	68	72
5	72	71	73	73	72	75	70	67	78	73	68	72
6	72	71	73	81	72	75	71	67	77	73	70	72
7	71	71	74	73	73	75	71	67	76	73	185	72
8	71	72	74	72	73	75	72	68	76	74	93	72
9	71	71	73	72	73	75	72	68	76	75	76	72
10	71	71	74	72	73	74	72	69	76	75	72	72
11	71	71	75	72	73	74	73	70	76	77	72	72
12	71	71	74	72	73	75	73	71	76	76	72	72
13	71	71	73	71	96	75	74	71	76	75	72	72
14	71	72	73	71	77	74	74	71	76	77	71	72
15	70	73	73	70	74	73	74	71	75	76	71	75
16	71	73	74	70	82	74	75	71	75	75	71	93
17	70	73	75	71	75	74	74	72	75	75	71	412
18	70	76	75	70	74	74	75	73	75	75	71	80
19	71	74	87	69	73	73	75	75	75	75	71	126
20	71	71	76	70	73	73	75	77	74	75	70	114
21	71	73	75	70	73	74	76	78	75	75	70	72
22	71	72	75	70	74	74	77	117	74	74	86	71
23	71	71	74	69	74	75	78	100	74	75	188	71
24	71	72	74	70	74	74	77	102	74	75	241	71
25	71	72	74	70	73	74	76	102	74	432	81	70
26	70	72	74	71	73	73	75	100	74	93	76	71
27	72	72	73	71	73	79	74	119	74	77	74	70
28	71	73	75	71	74	77	73	135	74	74	73	70
29	70	74	75	71	74	73	72	110	74	73	73	70
30	71	72	76	71	---	72	72	113	74	71	71	70
31	70	---	73	71	---	88	---	96	---	70	72	---
TOTAL	2201	2155	2305	2216	2155	2322	2208	2575	2283	2684	2655	2630
MEAN	71.0	71.8	74.4	71.5	74.3	74.9	73.6	83.1	76.1	86.6	85.6	87.7
MIN	72	76	87	81	96	88	78	135	85	432	241	412
MIN	70	70	72	69	71	72	70	67	74	70	68	70
AC-FT	4370	4270	4570	4400	4270	4610	4380	5110	4530	5320	5270	5220

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1992	28389	77.6	432	67	56310

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	69	66	70	94	---	68	69	63	65	68	165
2	70	68	66	70	76	---	68	69	64	66	68	185
3	70	68	66	69	75	---	68	68	64	66	69	118
4	69	68	67	69	75	---	68	69	65	66	70	86
5	70	68	67	70	75	67	68	68	65	65	71	90
6	69	68	67	71	76	67	71	68	66	64	71	96
7	69	68	67	73	76	68	72	68	66	65	72	68
8	69	68	67	146	77	68	69	67	66	65	72	64
9	68	68	67	79	78	68	71	67	66	66	72	65
10	68	68	67	120	77	68	72	67	66	66	73	66
11	68	68	67	196	211	68	72	66	65	67	104	69
12	68	67	67	113	209	69	71	66	65	66	85	76
13	68	67	68	87	113	69	71	65	65	67	84	83
14	68	67	67	82	83	69	71	65	65	67	84	82
15	68	67	67	81	74	69	71	66	65	67	85	84
16	68	67	68	81	72	69	71	65	65	67	87	72
17	68	67	67	84	71	69	71	65	65	67	90	69
18	69	67	68	82	71	69	71	65	66	67	95	70
19	68	68	69	308	71	68	e70	65	65	68	125	70
20	68	67	68	201	140	68	71	64	66	68	133	70
21	70	67	68	161	---	68	71	64	66	67	83	70
22	71	67	68	122	---	68	71	64	67	67	67	70
23	70	68	68	88	---	67	71	64	66	68	65	70
24	70	67	68	81	---	68	70	63	66	67	64	70
25	103	67	68	79	---	68	70	63	66	66	116	70
26	72	67	68	79	---	68	70	63	66	67	75	70
27	70	66	68	79	---	68	70	63	66	67	71	71
28	70	66	69	79	---	67	69	63	66	68	67	71
29	70	67	71	79	---	67	70	63	66	68	66	71
30	70	66	69	141	---	67	70	63	66	68	67	71
31	69	---	70	166	---	67	---	63	---	68	97	---
TOTAL	2178	2021	2098	3306	---	---	2107	2028	1964	2066	2516	2452
MEAN	70.3	67.4	67.7	107	---	---	70.2	65.4	65.5	66.6	81.2	81.7
MAX	103	69	71	308	---	---	72	69	67	68	133	185
MIN	68	66	66	69	---	---	68	63	63	64	64	64
AC-FT	4320	4010	4160	6560	---	---	4180	4020	3900	4100	4990	4860

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	28025	76.6	432	66	55590

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	69	68	69	71	75	78	71	69	---	66	68
2	71	68	68	70	72	75	77	72	69	---	66	68
3	71	69	68	69	72	75	77	72	69	---	65	69
4	71	68	68	69	73	75	77	72	69	---	65	71
5	72	68	69	70	73	75	76	72	67	---	65	69
6	108	68	69	69	73	75	77	72	67	---	65	69
7	75	68	69	69	73	75	77	73	68	---	66	69
8	71	68	68	70	74	75	78	74	68	---	66	70
9	70	68	68	70	73	75	79	75	69	---	77	70
10	70	68	67	69	73	75	78	76	69	---	68	70
11	70	70	68	69	74	76	77	75	70	---	66	71
12	70	70	69	69	74	76	76	75	71	---	66	71
13	70	70	69	69	73	75	76	75	71	---	66	72
14	70	70	69	69	74	76	75	75	71	---	65	72
15	70	68	69	70	74	76	71	73	72	---	66	72
16	70	67	69	70	74	76	71	72	70	---	66	73
17	78	67	69	70	74	77	70	72	67	---	66	73
18	70	67	69	71	75	77	70	72	66	---	67	72
19	70	67	69	71	75	78	68	71	64	---	67	71
20	69	68	68	71	75	77	67	70	64	---	67	71
21	69	68	69	70	75	77	68	70	64	---	68	71
22	69	68	69	71	75	77	68	70	64	---	67	71
23	69	68	69	71	75	77	68	70	65	---	67	72
24	68	68	69	71	75	77	69	70	66	---	67	72
25	68	68	69	71	75	78	70	72	71	---	67	72
26	68	68	69	72	75	78	72	70	76	---	73	72
27	68	67	70	72	75	78	71	70	---	---	73	72
28	68	68	69	72	76	78	71	69	---	66	68	72
29	69	68	69	72	---	78	71	69	---	66	68	73
30	68	68	70	72	---	78	71	69	---	66	68	73
31	68	---	69	72	---	77	---	68	---	66	69	---
TOTAL	2209	2045	2131	2179	2070	2367	2194	2226	1776	---	2086	2131
MEAN	71.3	68.2	68.7	70.3	73.9	76.4	73.1	71.8	68.3	---	67.3	71.0
MAX	108	70	70	72	76	78	79	76	76	---	77	73
MIN	68	67	67	69	71	75	67	68	64	---	65	68
AC-FT	4380	4060	4230	4320	4110	4690	4350	4420	3520	---	4140	4230

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean value												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	73	73	75	74	82	66	70	69	66	---	66
2	69	74	73	74	75	79	66	68	70	66	---	66
3	69	75	74	72	74	78	65	65	70	65	---	66
4	70	74	74	72	75	79	65	65	70	65	---	66
5	70	73	76	74	75	82	65	65	70	65	---	67
6	70	74	77	72	75	153	65	65	70	65	---	67
7	70	74	78	72	75	75	65	65	70	65	---	67
8	70	74	79	73	75	167	64	64	69	65	---	137
9	70	74	79	72	75	94	64	64	69	65	---	72
10	71	74	77	73	76	75	64	64	69	65	---	69
11	70	74	76	74	76	74	64	63	68	65	---	67
12	71	74	74	81	76	73	64	63	68	65	---	66
13	71	74	73	72	76	72	65	64	68	66	---	66
14	75	74	73	72	77	71	65	64	68	65	---	66
15	83	75	72	73	77	72	64	63	67	64	---	66
16	75	74	72	75	76	72	63	63	68	64	---	66
17	74	74	72	73	76	72	64	63	69	64	66	66
18	74	75	73	73	77	72	64	63	68	65	66	66
19	74	74	74	73	76	72	65	63	67	64	66	66
20	74	73	74	73	77	72	65	63	67	64	66	66
21	75	72	75	74	77	71	66	63	67	64	66	66
22	75	70	74	74	77	72	65	63	66	64	74	66
23	75	69	75	74	76	72	64	63	66	64	66	66
24	75	70	76	74	77	71	64	75	65	64	66	66
25	75	70	76	74	77	70	65	72	65	64	66	66
26	75	71	77	74	77	69	67	73	65	---	66	66
27	75	71	76	74	77	68	69	72	66	---	66	66
28	75	71	75	74	78	68	68	71	66	---	66	66
29	74	71	75	74	---	67	68	71	66	---	66	66
30	74	71	75	74	---	67	69	70	65	---	66	66
31	74	---	75	74	---	66	---	70	---	---	66	---
TOTAL	2261	2186	2322	2282	2129	2447	1957	2050	2031	---	---	2064
MEAN	72.9	72.9	74.9	73.6	76.0	78.9	65.2	66.1	67.7	---	---	68.8
MAX	83	75	79	81	78	167	69	75	70	---	---	137
MIN	69	69	72	72	74	66	63	63	65	---	---	66
AC-FT	4480	4340	4610	4530	4220	4850	3880	4070	4030	---	---	4090

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990-95—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—June 1950 to July 1979, and November 1990 to April 1993.

PERIOD OF DAILY RECORD—

WATER TEMPERATURE: November 1990 to November 1991, and June 1992 to April 1993.

SPECIFIC CONDUCTANCE: November 1990 to November 1991, and June 1992 to April 1993.

INSTRUMENTATION.—Water-temperature recorder from November 1991 to April 1993, and October 1994 to current year. Specific-conductance recorder from November 1990 to April 1993.

REMARKS—

TEMPERATURE: Record good and within 0.5°C, except for January 8, 1991, to May 19, 1991, and water year 1995, which is fair and within 1.0°C.

SPECIFIC CONDUCTANCE: Record fair and within 10 percent.

EXTREMES FOR PARTIAL YEAR—

WATER TEMPERATURE: Maximum, 26.4°C, July 14, 1995; minimum, 8.7°C, December 20–21, 1991.

SPECIFIC CONDUCTANCE: Maximum, 1,380 µS/cm, August 3, 1991; minimum, 162 µS/cm, July 25, 1992.

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	12.2	---	---	9.6
2	---	---	---	---	---	---	---	---	12.0	---	---	10.0
3	---	---	---	---	---	---	---	---	11.8	---	---	11.0
4	---	---	---	---	---	---	---	---	11.6	---	---	11.7
5	---	---	---	---	---	13.9	---	---	11.7	---	---	12.5
6	---	---	---	---	---	13.6	---	---	11.7	---	---	13.1
7	---	---	---	---	---	12.9	---	---	11.5	---	---	13.5
8	---	---	---	---	---	13.4	---	---	11.6	---	---	13.5
9	---	---	---	---	---	14.4	---	---	11.8	---	---	13.0
10	---	---	---	---	---	14.7	---	---	12.0	---	---	13.1
11	---	---	---	---	---	14.5	---	---	12.3	---	---	12.7
12	---	---	---	---	---	14.6	---	---	13.8	---	---	12.5
13	---	---	---	---	---	14.7	---	---	14.1	---	---	12.5
14	---	---	---	---	---	15.0	---	---	13.0	---	---	12.7
15	---	---	---	---	---	15.1	---	---	11.7	---	---	12.5
16	---	---	---	---	---	15.4	---	---	12.4	---	---	12.3
17	---	---	---	---	---	15.4	---	---	11.5	---	---	12.0
18	---	---	---	---	---	15.2	---	---	10.8	---	---	11.9
19	---	---	---	---	---	15.1	---	---	11.1	---	---	12.1
20	---	---	---	---	---	15.3	---	---	10.7	---	---	---
21	---	---	---	---	---	14.3	---	---	9.3	---	---	12.1
22	---	---	---	---	---	13.5	---	---	8.3	---	---	11.1
23	---	---	---	---	---	13.2	---	---	6.8	---	---	11.3
24	---	---	---	---	---	13.3	---	---	7.6	---	---	11.4
25	---	---	---	---	---	13.5	---	---	7.9	---	---	11.7
26	---	---	---	---	---	13.8	---	---	9.2	---	---	11.8
27	---	---	---	---	---	11.7	---	---	9.0	---	---	11.8
28	---	---	---	---	---	11.6	---	---	9.6	---	---	11.6
29	---	---	---	---	---	11.6	---	---	10.9	---	---	10.3
30	---	---	---	---	---	12.0	---	---	8.7	---	---	10.2
31	---	---	---	---	---	---	---	---	9.0	---	---	11.0
MONTH	---	---	---	---	---	---	---	---	10.8	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	11.6	---	---	14.2	---	---	15.1	---	---	16.4
2	---	---	11.6	---	---	14.5	---	---	15.3	---	---	15.6
3	---	---	12.3	---	---	14.4	---	---	16.2	---	---	15.2
4	---	---	12.4	---	---	15.1	---	---	---	---	---	16.3
5	---	---	12.7	---	---	15.3	---	---	16.8	---	---	17.2
6	---	---	13.1	---	---	13.6	---	---	17.2	---	---	17.1
7	---	---	13.5	---	---	12.6	---	---	16.9	---	---	18.1
8	---	---	14.2	---	---	12.8	---	---	15.9	---	---	18.4
9	---	---	14.4	---	---	13.6	---	---	15.6	---	---	18.0
10	---	---	14.3	---	---	14.5	---	---	15.2	---	---	15.6
11	---	---	14.6	---	---	13.5	---	---	12.7	---	---	15.5
12	---	---	14.8	---	---	12.8	---	---	13.0	---	---	16.7
13	---	---	14.7	---	---	13.3	---	---	14.5	---	---	17.1
14	---	---	15.1	---	---	13.3	---	---	15.1	---	---	17.0
15	---	---	15.3	---	---	12.8	---	---	15.6	---	---	17.6
16	---	---	15.9	---	---	12.7	---	---	16.1	---	---	18.6
17	---	---	15.2	---	---	13.2	---	---	15.5	---	---	17.9
18	---	---	13.5	---	---	14.0	---	---	15.8	---	---	17.3
19	---	---	13.2	---	---	14.0	---	---	16.0	---	---	16.8
20	---	---	14.2	---	---	13.2	---	---	16.4	---	---	---
21	---	---	14.4	---	---	12.7	---	---	16.2	---	---	---
22	---	---	14.7	---	---	13.3	---	---	16.5	---	---	---
23	---	---	14.9	---	---	13.9	---	---	17.0	---	---	---
24	---	---	14.7	---	---	14.5	---	---	16.9	---	---	---
25	---	---	14.0	---	---	14.5	---	---	16.7	---	---	---
26	---	---	13.4	---	---	13.3	---	---	15.5	---	---	---
27	---	---	13.5	---	---	12.5	---	---	14.9	---	---	---
28	---	---	14.6	---	---	13.5	---	---	14.6	---	---	---
29	---	---	---	---	---	13.8	---	---	15.5	---	---	---
30	---	---	---	---	---	13.7	---	---	16.1	---	---	---
31	---	---	---	---	---	14.7	---	---	---	---	---	---
MONTH	---	---	14.0	---	---	13.7	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1991											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	19.6
24	---	---	---	---	---	---	---	---	---	---	---	18.9
25	---	---	---	---	---	---	---	---	---	---	---	18.4
26	---	---	---	---	---	---	---	---	---	---	---	18.6
27	---	---	---	---	---	---	---	---	---	---	---	19.3
28	---	---	---	---	---	---	---	---	---	---	---	19.3
29	---	---	---	---	---	---	---	---	---	---	---	19.5
30	---	---	---	---	---	---	---	---	---	---	---	19.1
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19.6	17.9	18.8	13.6	12.3	12.9	---	---	---	---	---	---
2	19.1	17.6	18.4	14.3	13.2	13.8	---	---	---	---	---	---
3	18.4	16.7	17.8	14.0	13.0	13.6	---	---	---	---	---	---
4	18.2	16.6	17.6	14.3	13.3	13.9	---	---	---	---	---	---
5	17.5	15.7	16.9	14.9	13.8	14.4	---	---	---	---	---	---
6	17.6	15.9	17.0	15.4	14.5	15.0	---	---	---	---	---	---
7	17.8	16.3	17.3	15.8	15.0	15.5	---	---	---	---	---	---
8	18.3	16.7	17.8	16.3	15.3	15.9	---	---	---	---	---	---
9	18.4	17.2	17.9	16.5	15.5	16.1	---	---	---	---	---	---
10	18.3	16.9	17.7	17.1	16.2	16.6	---	---	---	---	---	---
11	18.3	16.8	17.7	16.3	15.6	16.0	---	---	---	---	---	---
12	18.4	17.1	17.8	15.7	14.7	15.2	---	---	---	---	---	---
13	18.6	17.3	18.0	15.2	14.3	14.9	---	---	---	---	---	---
14	17.9	16.9	17.5	15.4	14.7	15.1	---	---	---	---	---	---
15	17.4	16.0	16.9	14.6	13.5	14.1	---	---	---	---	---	---
16	17.4	15.8	16.9	13.8	13.0	13.4	---	---	---	---	---	---
17	17.6	15.8	17.0	---	---	---	---	---	---	---	---	---
18	17.4	15.9	16.9	---	---	---	---	---	---	---	---	---
19	17.3	15.9	16.8	---	---	---	---	---	---	---	---	---
20	17.7	16.2	17.1	---	---	---	---	---	---	---	---	---
21	17.1	15.5	16.5	---	---	---	---	---	---	---	---	---
22	17.7	16.4	17.0	---	---	---	---	---	---	---	---	---
23	17.6	16.7	17.1	---	---	---	---	---	---	---	---	---
24	16.8	15.7	16.4	---	---	---	---	---	---	---	---	---
25	16.1	14.7	15.6	---	---	---	---	---	---	---	---	---
26	15.6	14.4	15.2	---	---	---	---	---	---	---	---	---
27	15.8	14.1	15.3	---	---	---	---	---	---	---	---	---
28	13.9	12.2	12.8	---	---	---	---	---	---	---	---	---
29	13.3	12.2	12.7	---	---	---	---	---	---	---	---	---
30	13.0	11.6	12.6	---	---	---	---	---	---	---	---	---
31	12.4	11.0	11.7	---	---	---	---	---	---	---	---	---
MONTH	19.6	11.0	16.5	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	22.2	17.2	19.1	24.7	20.0	21.9	21.0	18.9	20.1
2	---	---	---	23.0	17.4	19.6	24.7	20.1	21.9	20.5	18.8	19.8
3	---	---	---	22.3	17.7	19.8	24.7	20.2	21.9	20.3	18.7	19.6
4	---	---	---	23.5	18.2	20.3	23.6	20.1	21.5	20.1	18.3	19.3
5	---	---	---	24.5	18.9	21.0	21.7	20.6	21.1	20.2	18.0	19.2
6	22.6	18.0	19.7	24.4	19.1	21.2	23.8	20.7	21.5	20.0	17.8	19.1
7	22.4	17.2	19.2	21.4	20.4	20.9	23.1	20.6	21.6	20.1	17.7	19.0
8	22.6	17.6	19.4	22.5	20.4	21.0	23.6	20.8	22.0	20.3	18.2	19.3
9	22.5	17.9	19.8	24.8	19.9	21.5	24.2	21.0	22.3	20.1	18.0	19.2
10	22.7	18.4	20.1	23.7	20.1	21.3	24.3	21.1	22.4	20.0	17.9	19.1
11	22.6	17.8	19.8	24.4	20.5	21.7	24.5	21.6	22.7	20.1	18.2	19.2
12	23.0	17.2	19.3	23.6	20.2	21.2	24.3	21.3	22.5	20.2	18.3	19.3
13	20.9	16.6	18.3	23.7	19.6	21.0	24.3	21.0	22.4	20.4	18.5	19.5
14	21.0	16.8	18.1	24.4	19.2	21.2	24.4	21.4	22.6	20.4	18.9	19.8
15	21.2	15.5	17.7	24.2	19.3	21.1	24.0	21.1	22.3	21.1	18.9	20.2
16	21.6	15.9	18.1	24.2	18.9	21.1	24.0	21.2	22.3	20.1	18.8	19.2
17	22.2	16.5	18.9	25.0	19.8	21.7	24.0	21.1	22.4	21.0	19.2	20.1
18	22.5	16.6	19.1	24.8	19.7	21.7	24.0	21.1	22.4	20.3	19.2	19.9
19	22.8	17.0	19.5	24.7	19.3	21.4	23.5	20.7	22.0	21.3	19.3	20.2
20	23.1	17.4	19.8	23.9	18.8	20.9	23.6	20.6	21.7	20.5	18.6	19.7
21	23.4	17.4	19.8	24.4	19.4	21.3	21.7	20.3	21.1	20.4	18.4	19.5
22	23.6	18.4	20.4	23.6	20.0	21.4	21.4	19.8	20.6	20.3	18.5	19.6
23	22.8	19.3	20.5	24.5	20.4	21.8	20.5	18.7	19.5	20.6	18.5	19.7
24	23.4	18.7	20.5	21.8	20.0	21.0	21.4	18.8	19.9	20.4	18.7	19.7
25	23.5	18.7	20.4	23.2	20.6	21.5	21.8	19.6	20.5	19.9	17.9	19.1
26	23.3	17.6	19.9	24.8	20.3	21.9	21.8	19.4	20.4	18.3	16.5	17.6
27	24.0	18.2	20.6	24.9	20.6	22.1	21.2	18.9	20.0	18.8	17.2	18.1
28	24.2	18.5	20.7	25.0	20.5	22.1	21.2	18.6	19.9	19.2	17.6	18.4
29	22.1	18.3	19.9	24.8	20.3	22.0	21.3	19.0	20.1	18.7	17.5	18.3
30	22.7	17.6	19.5	24.9	20.3	22.0	20.9	19.6	20.2	18.9	17.1	18.2
31	---	---	---	23.0	20.4	21.5	21.4	19.8	20.6	---	---	---
MONTH	---	---	---	25.0	17.2	21.2	24.7	18.6	21.4	21.3	16.5	19.3

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	18.7	17.0	18.1	15.6	14.6	15.3	11.5	10.6	11.1	12.8	12.2	12.6
2	18.3	16.7	17.6	15.9	14.7	15.4	12.1	11.3	11.8	13.1	12.3	12.8
3	18.3	16.7	17.5	15.2	12.9	13.8	12.4	11.4	11.9	12.3	9.7	10.5
4	17.4	15.7	16.8	13.8	12.7	13.2	13.3	12.4	12.9	10.4	9.4	9.9
5	17.7	16.2	17.2	13.9	12.8	13.3	12.7	12.3	12.5	11.4	10.4	10.8
6	17.6	16.4	17.1	14.1	13.4	13.9	12.6	10.7	11.5	12.4	11.4	12.0
7	16.9	15.4	16.2	14.4	13.3	14.0	11.8	10.6	11.2	13.3	12.1	12.8
8	16.0	14.4	15.5	14.7	13.4	14.2	12.7	11.8	12.3	13.3	9.3	11.8
9	16.3	14.6	15.8	15.0	14.3	14.7	13.1	12.4	12.8	13.0	11.5	12.5
10	16.9	15.5	16.5	15.0	12.7	14.4	12.9	12.2	12.5	14.5	10.3	13.0
11	17.0	15.8	16.6	12.7	11.5	12.1	12.7	12.0	12.4	10.3	9.2	9.7
12	16.9	15.6	16.5	13.1	11.9	12.5	12.8	11.3	12.4	10.9	9.0	9.7
13	17.0	15.5	16.5	13.7	12.8	13.2	11.3	10.6	10.9	12.8	10.9	11.9
14	17.4	16.1	16.9	14.0	13.2	13.6	10.8	10.1	10.5	13.7	12.8	13.4
15	17.3	16.0	16.9	14.4	13.5	14.0	11.1	10.2	10.7	14.0	13.5	13.8
16	17.1	15.9	16.7	14.7	13.9	14.4	10.7	9.5	10.0	14.3	13.9	14.1
17	17.1	15.9	16.8	14.7	13.6	14.3	10.8	9.2	9.8	14.5	14.0	14.3
18	17.2	16.0	16.8	14.5	13.4	14.1	11.9	10.8	11.4	14.5	13.8	14.1
19	17.7	16.5	17.2	14.7	14.0	14.4	11.1	9.5	9.9	14.3	9.4	11.1
20	---	---	---	14.8	10.6	12.6	9.8	8.7	9.3	10.5	9.1	9.6
21	---	---	---	12.6	10.7	11.5	9.7	8.7	9.3	11.9	10.1	10.7
22	18.2	17.1	17.8	13.0	11.9	12.5	10.0	9.3	9.7	13.3	11.5	12.2
23	18.2	17.1	17.8	13.0	11.4	12.1	10.3	9.6	10.0	13.3	11.2	11.8
24	18.6	16.1	17.9	11.5	11.0	11.2	10.4	9.8	10.1	12.0	11.1	11.6
25	17.7	15.6	16.8	11.2	10.2	10.8	10.3	9.7	10.0	12.3	11.5	11.9
26	17.7	16.7	17.4	11.0	10.3	10.8	10.2	9.4	9.9	12.7	11.8	12.3
27	18.2	17.2	17.8	11.5	10.5	11.1	10.8	10.0	10.4	12.8	12.1	12.5
28	17.8	17.1	17.5	11.7	10.8	11.3	12.1	10.8	11.4	13.0	12.3	12.7
29	17.4	16.6	17.0	11.7	11.2	11.4	13.2	12.1	12.7	13.1	12.4	12.9
30	17.1	16.3	16.8	11.4	10.5	11.0	13.6	12.9	13.2	13.3	10.0	12.6
31	16.9	15.5	16.2	---	---	---	13.3	12.5	12.8	12.7	9.2	10.4
MONTH	---	---	---	15.9	10.2	13.0	13.6	8.7	11.2	14.5	9.0	12.0

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	12.8	9.5	11.4	---	---	---	---	---	---	---	---	---
2	13.1	12.5	12.9	---	---	---	---	---	---	---	---	---
3	13.1	12.4	12.9	---	---	---	---	---	---	---	---	---
4	13.3	12.8	13.1	---	---	---	---	---	---	---	---	---
5	13.3	12.6	13.0	---	---	---	---	---	---	---	---	---
6	13.4	12.7	13.1	---	---	---	---	---	---	---	---	---
7	14.0	13.2	13.6	---	---	---	---	---	---	---	---	---
8	14.6	14.0	14.4	---	---	---	---	---	---	---	---	---
9	14.4	13.8	14.1	---	---	---	---	---	---	---	---	---
10	13.8	13.1	13.5	---	---	---	---	---	---	---	---	---
11	13.7	9.7	12.0	---	---	---	---	---	---	---	---	---
12	11.5	9.7	10.3	---	---	---	---	---	---	---	---	---
13	12.9	10.9	11.7	---	---	---	---	---	---	---	---	---
14	12.9	12.2	12.7	---	---	---	---	---	---	---	---	---
15	13.0	12.4	12.8	---	---	---	---	---	---	---	---	---
16	13.5	12.2	12.9	---	---	---	---	---	---	---	---	---
17	13.9	12.7	13.4	---	---	---	---	---	---	---	---	---
18	14.2	13.2	13.7	---	---	---	---	---	---	---	---	---
19	15.5	14.2	14.8	---	---	---	---	---	---	---	---	---
20	15.0	12.3	13.3	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1995											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	20.1	17.2	18.4	15.7	14.5	15.2	12.7	12.0	12.3	13.1	12.2	12.6
2	19.8	18.2	19.0	16.2	15.1	15.6	13.0	12.3	12.6	12.7	12.0	12.3
3	18.9	17.2	18.3	15.3	13.4	14.8	13.6	12.6	13.1	13.4	12.3	12.7
4	19.1	18.2	18.7	14.1	12.4	13.2	14.2	13.1	13.7	14.0	13.4	13.8
5	18.2	16.7	17.7	14.8	13.3	14.1	14.5	14.1	14.3	14.0	13.5	13.8
6	17.9	15.9	16.9	15.6	14.4	15.0	15.2	14.4	14.8	13.6	12.7	13.0
7	18.1	16.6	17.3	15.8	14.5	15.3	15.0	13.7	14.4	13.4	12.7	13.0
8	18.3	16.9	17.6	15.8	15.0	15.4	13.7	11.7	12.4	14.5	13.4	14.0
9	18.0	16.2	17.2	15.4	14.0	14.8	11.7	11.1	11.4	14.7	14.4	14.5
10	17.9	16.1	17.0	15.8	14.8	15.3	12.1	11.2	11.7	14.8	13.9	14.4
11	17.8	15.8	16.9	16.4	15.5	15.9	12.3	11.7	12.0	15.0	14.1	14.6
12	17.9	16.1	17.1	16.1	14.3	15.2	13.2	12.3	12.7	14.5	13.6	14.1
13	18.1	17.0	17.6	14.4	12.9	13.9	13.2	12.8	13.0	15.3	14.4	14.8
14	18.1	16.6	17.6	12.9	12.0	12.5	13.1	12.5	12.7	15.1	14.5	14.7
15	16.6	14.6	15.4	13.4	12.0	12.6	12.8	12.5	12.7	14.8	13.3	14.5
16	15.5	14.2	14.9	14.0	13.4	13.7	12.8	11.9	12.4	13.3	12.5	13.0
17	16.3	15.0	15.6	13.6	12.1	12.7	12.8	12.1	12.4	13.0	12.0	12.3
18	16.6	15.2	16.0	13.0	12.2	12.7	12.9	12.3	12.6	12.2	11.2	11.8
19	16.9	15.3	16.2	12.2	11.6	11.9	12.9	12.4	12.7	12.7	11.8	12.3
20	17.0	15.5	16.3	11.9	10.5	11.2	12.8	12.2	12.5	13.1	12.4	12.8
21	16.9	15.5	16.3	12.9	11.4	12.0	12.8	12.2	12.5	13.2	12.8	13.0
22	17.0	15.5	16.4	13.2	12.6	12.9	13.2	12.4	12.8	13.4	13.0	13.1
23	17.2	15.6	16.5	13.1	12.2	12.6	14.0	13.2	13.6	13.3	12.5	12.9
24	17.8	16.6	17.2	13.3	12.5	12.9	14.8	14.0	14.5	14.1	13.3	13.6
25	17.2	16.2	16.8	13.8	13.2	13.4	15.3	14.8	15.0	14.2	13.7	13.9
26	17.4	16.2	16.7	13.4	12.4	12.9	15.0	13.9	14.2	14.3	13.7	14.1
27	17.3	16.1	16.8	12.4	11.1	11.5	14.1	13.3	13.6	14.2	13.5	13.9
28	17.2	15.8	16.6	11.9	11.1	11.5	14.2	13.1	13.6	13.8	13.1	13.4
29	17.2	15.7	16.6	12.0	11.3	11.7	14.6	14.0	14.3	13.4	12.8	13.1
30	16.9	15.7	16.2	12.4	11.6	12.0	14.1	13.5	13.8	13.2	12.2	12.8
31	15.7	14.1	15.1	---	---	---	13.8	12.9	13.3	13.6	12.5	13.0
MONTH	20.1	14.1	16.9	16.4	10.5	13.5	15.3	11.1	13.1	15.3	11.2	13.4

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1995												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	14.3	13.3	13.7	15.9	15.2	15.5	15.9	13.4	14.8	19.6	16.4	17.8
2	14.7	14.0	14.3	15.8	14.8	15.3	16.3	14.5	15.4	19.0	16.2	17.6
3	14.6	13.7	14.2	16.1	15.2	15.6	16.9	14.4	15.6	20.0	16.3	17.9
4	14.3	13.4	13.9	16.5	15.5	15.8	17.1	14.7	16.0	19.8	16.1	17.8
5	14.1	13.3	13.8	16.3	15.3	15.8	17.3	14.7	16.1	17.6	15.0	15.9
6	14.0	13.2	13.7	15.7	11.2	12.9	16.9	14.7	15.9	17.5	14.3	15.2
7	14.2	13.1	13.8	14.8	13.0	13.9	16.9	14.5	15.9	17.1	14.1	15.4
8	14.6	13.8	14.2	14.7	10.3	12.6	17.0	14.8	16.0	---	---	---
9	14.2	13.1	13.8	14.7	12.5	13.7	15.9	12.1	13.9	---	---	---
10	14.1	12.8	13.6	16.2	14.2	15.1	15.1	12.0	13.4	20.5	16.8	18.5
11	14.3	13.2	13.8	16.2	14.6	15.3	16.2	13.1	14.7	19.8	16.4	18.1
12	14.6	13.4	14.0	15.7	14.3	15.0	17.2	14.1	15.8	---	---	---
13	15.2	13.9	14.4	16.0	14.2	15.1	16.5	14.8	15.6	---	---	---
14	15.6	14.9	15.2	16.3	14.7	15.5	15.9	13.7	14.9	---	---	---
15	15.1	14.0	14.5	16.7	15.3	16.0	15.2	13.9	14.6	---	---	---
16	14.5	13.2	13.9	17.2	15.4	16.4	14.7	13.1	13.9	---	---	---
17	14.5	13.6	14.1	17.4	15.9	16.7	14.2	12.8	13.5	---	---	---
18	14.8	13.6	14.2	17.2	15.4	16.4	14.3	13.5	13.9	22.6	16.1	18.5
19	15.2	14.0	14.6	17.5	15.8	16.7	15.3	13.6	14.4	---	---	---
20	15.2	14.2	14.8	17.3	15.4	16.3	14.3	13.6	14.0	---	---	---
21	16.0	14.7	15.3	16.7	15.0	16.0	14.2	13.2	13.7	---	---	---
22	16.5	16.0	16.2	15.0	13.1	14.3	16.7	13.7	15.0	---	---	---
23	16.1	15.0	15.7	14.9	13.3	14.1	17.5	14.0	15.6	---	---	---
24	16.3	15.0	15.6	13.7	12.1	13.0	17.9	14.3	16.0	20.0	15.7	17.0
25	16.0	15.5	15.8	13.6	12.0	12.6	17.8	14.4	16.2	---	---	---
26	16.1	14.7	15.4	14.2	11.9	13.0	18.9	15.5	17.0	---	---	---
27	16.4	15.0	15.7	14.8	12.5	13.7	17.7	15.7	16.7	18.7	16.2	17.5
28	16.6	15.6	16.1	14.9	13.0	13.9	18.8	15.0	16.7	19.3	17.0	18.0
29	---	---	---	14.6	12.5	13.5	19.4	15.4	17.4	---	---	---
30	---	---	---	14.9	12.6	13.7	19.4	16.5	17.7	21.8	16.7	18.8
31	---	---	---	15.5	13.0	14.3	---	---	---	---	---	---
MONTH	16.6	12.8	14.6	17.5	10.3	14.8	19.4	12.0	15.3	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Water temperature, in degrees Celsius, water year 1995											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	23.9	19.7	21.5	22.5	20.4	21.5
2	---	---	---	24.9	18.1	20.8	23.6	19.4	21.4	23.1	20.5	21.8
3	---	---	---	---	---	---	23.4	19.9	21.5	22.7	20.2	21.6
4	---	---	---	---	---	---	23.4	19.5	21.4	22.0	19.5	21.0
5	---	---	---	---	---	---	23.6	19.5	21.4	22.4	20.4	21.4
6	---	---	---	---	---	---	22.9	19.0	21.0	21.7	20.5	21.0
7	---	---	---	---	---	---	21.9	19.0	20.7	21.9	19.9	20.9
8	18.7	14.8	16.4	---	---	---	23.6	19.9	21.7	20.9	12.8	18.7
9	20.1	15.1	17.4	---	---	---	22.7	20.2	21.4	20.7	18.1	19.6
10	---	---	---	---	---	---	23.2	20.5	21.9	21.2	18.6	19.9
11	---	---	---	---	---	---	23.6	21.0	22.2	21.4	18.9	20.0
12	---	---	---	---	---	---	24.1	20.7	22.1	20.5	18.2	19.6
13	---	---	---	20.7	19.8	20.3	24.1	20.7	22.4	20.5	18.2	19.5
14	---	---	---	26.4	19.1	21.4	24.1	20.9	22.4	20.2	17.8	19.2
15	---	---	---	---	---	---	24.1	20.4	22.0	20.7	18.6	19.7
16	---	---	---	---	---	---	22.4	20.5	21.3	21.0	18.2	19.7
17	17.1	15.9	16.4	---	---	---	23.1	19.9	21.4	20.5	18.7	19.8
18	22.1	15.8	18.8	---	---	---	22.7	19.5	21.0	20.7	18.6	19.7
19	23.1	18.5	20.6	---	---	---	20.5	19.2	20.0	20.2	18.2	19.4
20	---	---	---	---	---	---	22.0	20.5	21.2	19.7	17.8	19.0
21	---	---	---	---	---	---	23.1	20.9	21.7	19.7	18.2	19.0
22	---	---	---	---	---	---	23.8	20.5	22.0	18.4	17.3	18.0
23	---	---	---	---	---	---	23.6	21.0	22.1	19.2	17.3	18.4
24	---	---	---	---	---	---	23.2	20.7	21.7	19.5	17.3	18.5
25	---	---	---	---	---	---	22.9	20.2	21.4	19.0	17.1	18.2
26	---	---	---	22.7	18.3	20.7	23.1	20.4	21.6	18.9	17.4	18.2
27	---	---	---	23.6	19.5	21.4	22.5	19.5	21.0	18.9	17.4	18.1
28	---	---	---	23.8	19.5	21.6	22.2	19.5	20.9	18.4	17.4	17.8
29	---	---	---	22.7	20.0	21.3	22.2	19.2	20.8	18.7	17.1	18.0
30	---	---	---	23.4	19.5	21.2	22.2	19.5	21.0	17.7	16.1	17.1
31	---	---	---	23.4	19.7	21.4	22.2	19.5	21.0	---	---	---
MONTH	---	---	---	---	---	---	24.1	19.0	21.5	23.1	12.8	19.5

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	715	705	710	---	---	---
2	---	---	---	---	---	---	745	705	716	---	---	---
3	---	---	---	---	---	---	735	705	721	---	---	---
4	---	---	---	---	---	---	755	705	722	---	---	---
5	---	---	---	---	---	---	745	705	715	---	---	---
6	---	---	---	---	---	---	735	705	719	---	---	---
7	---	---	---	---	---	---	745	705	722	---	---	---
8	---	---	---	---	---	---	735	705	723	---	---	---
9	---	---	---	---	---	---	735	705	719	702	682	694
10	---	---	---	---	---	---	735	705	718	694	674	687
11	---	---	---	---	---	---	745	705	715	696	685	691
12	---	---	---	---	---	---	735	675	704	698	686	692
13	---	---	---	---	---	---	735	685	709	699	688	690
14	---	---	---	---	---	---	745	695	715	691	677	682
15	---	---	---	---	---	---	735	705	715	692	672	683
16	---	---	---	---	---	---	745	675	716	685	674	682
17	---	---	---	---	---	---	745	705	721	686	676	679
18	---	---	---	---	---	---	755	705	723	699	667	684
19	---	---	---	---	---	---	735	655	710	701	679	692
20	---	---	---	---	---	---	725	705	710	713	692	702
21	---	---	---	715	705	712	725	705	712	714	694	704
22	---	---	---	745	705	711	715	695	706	716	696	706
23	---	---	---	745	705	715	715	705	712	708	697	703
24	---	---	---	715	705	708	---	---	---	709	690	700
25	---	---	---	745	705	720	---	---	---	721	690	710
26	---	---	---	765	695	724	---	---	---	714	702	706
27	---	---	---	755	715	737	---	---	---	706	694	702
28	---	---	---	755	715	735	---	---	---	707	696	701
29	---	---	---	765	715	731	---	---	---	729	688	709
30	---	---	---	755	705	724	---	---	---	730	711	718
31	---	---	---	---	---	---	---	---	---	722	702	712
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	715	703	710	714	683	706	721	701	711	721	700	710
2	726	705	716	723	693	708	721	701	711	720	698	706
3	719	698	710	713	703	707	711	700	706	708	688	703
4	730	719	724	752	702	712	---	---	---	766	677	702
5	731	711	720	752	712	723	730	709	719	716	685	704
6	733	713	720	742	721	731	768	708	728	755	694	723
7	735	714	721	731	721	730	776	717	732	744	693	716
8	736	716	727	741	721	730	746	716	731	753	682	716
9	727	717	720	731	710	723	745	724	734	791	691	722
10	779	708	722	730	710	721	793	703	734	720	690	706
11	779	709	729	730	709	722	803	732	757	710	689	699
12	771	710	726	729	719	726	832	731	763	708	678	699
13	761	711	732	729	709	719	810	720	752	707	677	694
14	773	712	734	719	698	711	809	719	747	706	675	690
15	724	704	713	728	698	715	828	718	754	695	674	688
16	795	705	745	718	677	689	737	716	730	694	673	687
17	737	715	725	687	667	678	816	725	754	713	672	688
18	738	727	733	677	657	668	805	714	749	751	681	702
19	748	728	735	667	646	658	814	713	751	710	680	700
20	739	720	729	666	646	656	783	712	735	720	690	705
21	731	720	725	656	635	648	822	701	738	710	680	700
22	731	712	722	655	635	642	780	720	740	710	680	696
23	723	712	721	645	615	633	729	699	719	700	670	690
24	724	713	719	634	614	622	758	708	721	700	670	684
25	735	704	728	624	604	615	767	697	721	690	660	678
26	735	724	727	683	574	615	806	715	732	690	660	675
27	724	714	721	703	543	613	775	704	731	680	650	667
28	724	694	712	743	643	712	784	713	740	680	650	665
29	---	---	---	722	702	713	733	712	720	710	610	642
30	---	---	---	732	712	719	722	701	712	680	630	645
31	---	---	---	722	702	713	---	---	---	650	630	641
MONTH	795	694	724	752	543	690	---	---	---	791	610	692

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	650	620	636	---	---	---	671	651	663	740	700	717
2	640	620	632	---	---	---	742	651	686	760	720	734
3	640	600	620	---	---	---	1380	443	717	730	710	722
4	630	610	621	---	---	---	---	---	---	730	710	718
5	630	610	625	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	691	671	685	---	---	---	---	---	---
13	---	---	---	772	681	706	---	---	---	---	---	---
14	---	---	---	763	683	704	---	---	---	---	---	---
15	---	---	---	694	674	687	---	---	---	---	---	---
16	---	---	---	705	675	686	---	---	---	---	---	---
17	---	---	---	705	676	687	---	---	---	---	---	---
18	---	---	---	687	667	681	---	---	---	---	---	---
19	---	---	---	688	668	678	---	---	---	---	---	---
20	---	---	---	689	669	676	---	---	---	---	---	---
21	---	---	---	680	669	675	720	700	708	---	---	---
22	---	---	---	681	651	667	710	690	701	---	---	---
23	---	---	---	672	642	657	700	680	695	700	660	672
24	---	---	---	723	652	686	700	680	688	680	660	670
25	---	---	---	694	674	685	700	680	688	670	650	661
26	---	---	---	715	654	689	740	670	706	710	650	685
27	---	---	---	726	656	687	720	700	712	680	660	670
28	---	---	---	727	667	691	720	700	711	670	650	660
29	---	---	---	738	678	699	720	700	708	690	650	662
30	---	---	---	739	669	697	760	700	721	660	640	651
31	---	---	---	709	660	676	760	690	731	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1992											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	650	630	642	630	610	622	---	---	---	---	---	---
2	720	630	676	640	600	618	---	---	---	---	---	---
3	730	660	691	640	620	630	---	---	---	---	---	---
4	740	660	691	630	620	626	---	---	---	---	---	---
5	680	660	670	700	630	655	---	---	---	---	---	---
6	740	660	697	710	660	667	---	---	---	---	---	---
7	740	670	694	710	650	662	---	---	---	---	---	---
8	740	660	690	740	650	693	---	---	---	---	---	---
9	670	660	665	730	650	690	---	---	---	---	---	---
10	670	650	659	700	640	666	---	---	---	---	---	---
11	650	630	644	660	650	656	---	---	---	---	---	---
12	680	600	645	680	640	651	---	---	---	---	---	---
13	700	640	669	700	640	669	---	---	---	---	---	---
14	740	660	679	720	620	671	---	---	---	---	---	---
15	700	660	674	720	660	683	---	---	---	---	---	---
16	710	660	678	730	650	681	---	---	---	---	---	---
17	710	640	671	---	---	---	---	---	---	---	---	---
18	670	650	660	---	---	---	---	---	---	---	---	---
19	660	650	656	---	---	---	---	---	---	---	---	---
20	660	640	650	---	---	---	---	---	---	---	---	---
21	660	620	646	---	---	---	---	---	---	---	---	---
22	650	620	637	---	---	---	---	---	---	---	---	---
23	640	630	637	---	---	---	---	---	---	---	---	---
24	720	640	676	---	---	---	---	---	---	---	---	---
25	670	660	663	---	---	---	---	---	---	---	---	---
26	670	650	654	---	---	---	---	---	---	---	---	---
27	660	630	643	---	---	---	---	---	---	---	---	---
28	660	640	654	---	---	---	---	---	---	---	---	---
29	660	640	646	---	---	---	---	---	---	---	---	---
30	640	630	636	---	---	---	---	---	---	---	---	---
31	640	630	635	---	---	---	---	---	---	---	---	---
MONTH	740	600	662	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	706	678	694	---	---	---	---	---	---
2	---	---	---	756	674	698	---	---	---	---	---	---
3	---	---	---	700	672	689	---	---	---	---	---	---
4	---	---	---	694	666	682	698	686	692	---	---	---
5	---	---	---	684	658	675	690	684	687	---	---	---
6	712	688	702	708	670	691	---	---	---	---	---	---
7	708	696	702	710	688	700	---	---	---	---	---	---
8	710	684	699	734	678	699	---	---	---	---	---	---
9	700	672	688	762	678	711	---	---	---	---	---	---
10	690	668	680	748	638	702	---	---	---	---	---	---
11	682	656	671	694	664	680	---	---	---	---	---	---
12	694	668	674	730	640	693	---	---	---	---	---	---
13	698	674	689	754	692	715	---	---	---	---	---	---
14	696	672	686	760	682	713	---	---	---	---	---	---
15	694	670	685	738	694	714	---	---	---	---	---	---
16	690	664	679	748	694	717	---	---	---	---	---	---
17	684	658	673	758	686	719	---	---	---	---	---	---
18	676	648	665	762	684	714	---	---	---	---	---	---
19	668	644	659	744	688	715	---	---	---	---	---	---
20	664	640	654	762	692	714	---	---	---	---	---	---
21	666	636	652	716	686	705	---	---	---	---	---	---
22	730	666	696	744	690	715	---	---	---	---	---	---
23	746	676	715	718	688	706	---	---	---	---	---	---
24	758	684	715	750	204	516	---	---	---	---	---	---
25	758	682	715	212	162	188	---	---	---	---	---	---
26	766	662	719	---	---	---	---	---	---	---	---	---
27	750	662	720	---	---	---	---	---	---	---	---	---
28	772	690	720	---	---	---	---	---	---	---	---	---
29	708	680	698	---	---	---	---	---	---	---	---	---
30	708	682	698	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	721	712	717	690	680	686
2	---	---	---	705	698	703	718	711	715	685	675	680
3	---	---	---	712	696	706	717	710	714	695	679	687
4	---	---	---	709	706	708	718	705	712	693	685	689
5	---	---	---	708	702	706	713	706	710	688	675	681
6	---	---	---	707	701	703	718	709	712	678	664	671
7	---	---	---	707	700	704	717	711	715	682	646	671
8	---	---	---	706	700	703	727	710	719	669	313	549
9	---	---	---	704	698	702	748	712	718	670	613	660
10	---	---	---	715	699	704	759	722	726	---	---	---
11	---	---	---	719	713	717	780	716	725	---	---	---
12	---	---	---	717	711	715	741	715	728	---	---	---
13	---	---	---	712	707	710	741	735	738	---	---	---
14	---	---	---	749	693	721	737	728	732	---	---	---
15	---	---	---	713	708	712	733	727	730	---	---	---
16	---	---	---	711	706	708	804	729	755	---	---	---
17	---	---	---	712	707	710	740	732	738	---	---	---
18	---	---	---	716	707	709	732	718	724	---	---	---
19	---	---	---	714	708	712	725	719	723	---	---	---
20	---	---	---	738	708	719	720	714	718	---	---	---
21	---	---	---	742	721	733	722	716	719	---	---	---
22	700	694	697	721	715	718	719	714	717	---	---	---
23	697	691	694	724	715	718	719	714	716	---	---	---
24	---	---	---	726	720	723	717	711	714	---	---	---
25	---	---	---	723	720	721	712	709	711	---	---	---
26	---	---	---	723	719	721	713	706	709	---	---	---
27	---	---	---	723	715	720	712	699	706	---	---	---
28	---	---	---	721	715	719	715	690	702	---	---	---
29	---	---	---	720	714	717	697	688	693	---	---	---
30	---	---	---	716	712	714	694	684	690	---	---	---
31	---	---	---	---	---	---	693	686	689	---	---	---
MONTH	---	---	---	---	---	---	804	684	717	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	683	671	678	---	---	---
2	---	---	---	---	---	---	686	671	682	---	---	---
3	---	---	---	---	---	---	686	667	675	---	---	---
4	---	---	---	---	---	---	671	657	665	---	---	---
5	---	---	---	---	---	---	662	653	656	---	---	---
6	---	---	---	---	---	---	656	626	644	---	---	---
7	---	---	---	---	---	---	627	606	617	---	---	---
8	---	---	---	---	---	---	619	599	610	---	---	---
9	---	---	---	---	---	---	749	597	686	---	---	---
10	---	---	---	---	---	---	749	714	728	---	---	---
11	---	---	---	---	---	---	749	701	733	---	---	---
12	---	---	---	---	---	---	742	720	733	---	---	---
13	---	---	---	---	---	---	759	731	741	---	---	---
14	---	---	---	---	---	---	815	733	748	---	---	---
15	---	---	---	---	---	---	738	717	730	---	---	---
16	---	---	---	---	---	---	737	719	727	---	---	---
17	---	---	---	---	---	---	749	721	739	---	---	---
18	---	---	---	---	---	---	747	727	737	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	724	700	712	---	---	---	---	---	---
31	---	---	---	701	683	693	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY							
08...	1500	57	700	8.4	33.0	20.0	710
JUL							
09...	1040	--	700	8.4	--	--	--
09...	1115	25	--	--	31.0	22.0	719

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
MAY							
08...	7.9	94	--	--	25	303	290
JUL							
09...	--	--	--	--	14	339	302
09...	8.3	100	17	28	--	--	--

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
NOV												
04...	0945	74	8.06	755	8.5	12.5	13.0	--	--	736	--	--
04...	1400	76	8.07	--	--	--	13.0	--	--	--	--	--
05...	1115	74	8.06	--	--	--	13.0	--	--	--	--	--
JAN												
04...	2300	76	8.12	--	--	--	--	--	--	--	--	--
FEB												
07...	1200	71	8.10	725	--	9.5	12.0	--	--	738	10.5	101
APR												
04...	0930	69	8.10	--	--	--	14.5	--	--	--	--	--
04...	1015	69	8.10	--	--	--	15.0	--	--	--	--	--
04...	1530	70	8.11	715	8.4	19.0	15.0	1.5	>34.6	735	9.6	101
MAY												
31...	1515	62	8.35	650	--	19.0	17.5	1.0	--	--	--	--
JUL												
11...	1440	66	8.09	705	8.5	29.5	21.5	--	--	724	7.9	98
SEP												
21...	1400	72	8.13	950	8.5	28.0	19.0	--	--	722	8.3	M101

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E.COLI MTEC,MF WATER WHOLE TOTAL (COL / 100 ML) (31648)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)
NOV											
04...	--	--	--	--	8	360	309	--	--	--	--
04...	--	--	--	--	--	--	--	110	23	66	100
05...	--	--	--	--	--	--	--	13	2.7	35	100
JAN											
04...	--	--	--	--	--	--	--	19	3.9	--	--
FEB											
07...	--	--	276	337	--	--	--	--	--	--	--
APR											
04...	--	--	--	--	--	--	--	33	6.1	20	100
04...	--	--	--	--	--	--	--	4	0.75	42	100
04...	--	--	--	--	12	329	290	--	--	--	--
MAY											
31...	2	15	--	--	--	--	--	--	--	--	--
JUL											
11...	--	--	--	--	14	312	280	--	--	--	--
SEP											
21...	--	--	--	--	14	318	285	--	--	--	--

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
NOV												
17...	1400	77	8.20	725	8.6	11.5	13.5	--	725	10.2	103	7
JAN												
20...	1300	69	8.20	--	--	--	--	0.30	--	--	--	--
20...	1520	72	8.23	740	8.6	10.0	11.0	--	739	10.7	101	4
MAR												
29...	1500	73	8.24	697	8.6	21.0	18.0	--	734	9.2	101	1
JUN												
03...	1600	79	8.24	680	8.3	33.0	23.5	3.2	711	7.8	99	4
JUL												
25...	1245	292	9.58	--	--	--	--	--	--	--	--	--
25...	1345	552	10.63	--	--	--	--	--	--	--	--	--
25...	1445	666	11.00	--	--	--	--	--	--	--	--	--
25...	1545	326	9.74	--	--	--	--	--	--	--	--	--
25...	1645	1270	12.53	--	--	--	--	--	--	--	--	--
25...	1945	888	11.63	--	--	--	--	--	--	--	--	--
25...	2245	214	9.17	--	--	--	--	--	--	--	--	--
AUG												
03...	1100	68	8.12	657	8.4	31.0	22.0	--	717	8.1	98	17

Table 11. 09404115, Havasu Creek above the mouth near Supai, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—Continued

DATE	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV												
17...	361	308	--	--	--	--	--	--	--	--	--	--
JAN												
20...	--	--	--	--	--	--	--	--	--	--	--	--
20...	355	297	9	1.7	--	--	--	--	--	--	--	--
MAR												
29...	373	308	--	--	--	--	--	--	--	--	--	--
JUN												
03...	315	264	27	5.8	87	--	--	--	--	--	--	--
JUL												
25...	--	--	1070	844	11	--	--	--	--	--	--	--
25...	--	--	600	894	71	--	--	--	--	--	--	--
25...	--	--	560	1010	67	--	--	--	--	--	--	--
25...	--	--	846	745	31	--	--	--	--	--	--	--
25...	--	--	3740	12800	91	--	--	--	--	--	--	--
25...	--	--	19900	47700	88	--	--	--	--	--	--	--
25...	--	--	12500	7220	--	18	22	27	49	77	97	100
AUG												
03...	298	272	--	--	--	--	--	--	--	--	--	--

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
OCT												
20...	1350	68	8.06	700	8.5	20.0	17.5	714	8.9	100	7	335
JAN												
31...	1400	90	8.27	700	8.3	--	10.5	720	10.7	102	--	--
31...	1525	86	8.24	--	--	--	--	--	--	--	--	--
APR												
19...	0945	70	7.51	740	--	--	14.0	--	--	--	--	--

DATE	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT												
20...	286	--	--	--	--	--	--	--	--	--	--	--
JAN												
31...	--	448	108	7	11	24	37	52	75	91	97	100
31...	--	1040	244	--	--	--	--	--	--	--	--	--
APR												
19...	--	--	--	--	--	--	--	--	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93

STATION DESCRIPTION

LOCATION—Lat 36°15'31", long 112°53'07", unsurveyed, Mohave County, Hydrologic Unit 15010002, in Grand Canyon National Park, on the right bank, 0.2 mi upstream from National Canyon, 77 mi downstream from Phantom Ranch, 12 mi west-northwest of Supai, 179 mi downstream from Glen Canyon Dam, and 190 mi upstream from Hoover Dam.

DRAINAGE AREA—147,931 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming and 585 mi^2 on the Colorado Plateau, which are noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1986, and September 1989 to April 1993.

GAGE—Water-stage recorder. Datum of gage is 1,730.0 ft above sea level from topographic map. Prior to September 1989 recording gages and reference points on the left bank were about 150 ft upstream from the present gage.

REMARKS—Records fair. Flow regulated since March 13, 1963, by Lake Powell, which is 179 mi upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial uses.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 97,000 ft^3/s, June 30, 1983, gage height, unknown; minimum daily discharge, 3,760 ft^3/s, November 4, 1990.

EXTREMES FOR DATA PERIOD—Maximum discharge, 32,400 ft^3/s, January 13, 1993, gage height, 48.32 ft; minimum daily discharge, 3,760 ft^3/s, November 4, 1990.

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Discharge, cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10300	m6520	m12600	m11800	m10900	m17200	m13300	m10000	10900	6050	17900	16200
2	e9830	m8880	m11400	m7660	m8830	m17100	m10000	m10200	e11000	5820	17200	14400
3	e6200	m13100	m10200	m8580	m11000	m12800	m5850	m9530	e6010	9450	16500	13000
4	10700	m13300	m6840	m14400	m11600	m12800	m9810	m11000	e5830	15300	16900	7730
5	e9990	m11400	m4700	m16500	m8350	m9760	m10300	m8820	e5820	15300	14400	10400
6	8260	m7070	m6780	m13600	m7900	m10200	m10400	m9970	e8190	15400	13800	14500
7	e11100	m5390	m8280	m13600	9530	m16300	m10600	m8780	13100	15400	m15500	16400
8	e5950	m11900	m9550	m12100	m9900	m15200	m8960	m12500	14300	15400	m17300	18000
9	5870	m11500	m11600	m10300	m11100	m11200	m6450	m12800	15800	15800	m18000	16400
10	5850	m11900	m11900	m13100	m12200	m11400	5420	12400	12400	15700	m18400	13600
11	5780	m11200	m9480	m11800	m10800	m9730	m9730	12300	9710	15600	m18800	14200
12	11100	m9410	m10400	m12800	m6250	m5930	m13800	12800	12800	15700	m15500	13200
13	13600	m6870	m15800	m11500	m5280	m4800	m15100	11600	14600	15600	m13300	12200
14	14600	m7620	m14300	m11900	m8440	m9580	m12500	10200	15400	11700	m14900	12500
15	11800	m13300	m14700	m9340	m10800	m12000	m10900	8110	14800	6180	m17300	13100
16	e8890	m12900	m14400	m7400	m16500	m11800	m8280	12900	15100	5910	m15600	5780
17	e7900	m12500	m14000	m12900	m14800	m11200	m8090	12300	12500	11000	m17400	5430
18	16700	m12000	m10700	m14000	m11800	m10300	m13600	13500	10200	16500	m18900	7900
19	16300	m12600	m8580	m14800	m10000	m8150	m12900	12800	15500	16300	m15700	15000
20	12800	m8040	m13600	m14800	m9180	m4230	m10400	10000	17800	16300	m13600	16200
21	12300	m7600	m13000	m13600	m11600	m11200	m11500	6250	16800	16400	m13800	15000
22	9970	m10900	m12700	m11400	m14000	m11400	m10500	e5000	16600	16300	m18400	15400
23	7820	m11300	m15900	m8190	m13000	m9570	m8270	9760	18000	16100	m17900	15200
24	8560	m9850	m12300	m14700	m11400	m15100	m5740	12600	17400	16800	m18700	16200
25	m11100	m5140	m9160	m11300	m11400	m13700	m8640	14400	15500	16300	m18900	16100
26	m11800	m8190	m6750	m11100	m9750	m6820	m9920	12800	13300	16000	m14900	15000
27	m10600	m7550	m5540	m8800	m8910	m4850	m10600	11600	19200	15900	m13000	14800
28	m11200	m6130	m9270	m9750	m15600	m8160	m10300	8610	17900	11500	m11200	14700
29	m9880	m13400	m11900	m8920	---	m10300	m10200	7120	15800	6000	m17500	11900
30	m5980	m13400	m13700	m6870	---	m13800	m10700	8690	12800	5850	m17300	5700
31	m3980	---	m12500	m10800	---	m13700	---	11000	---	9410	m16200	---
TOTAL	306710	300860	342530	358310	300820	340280	302760	330340	405060	406970	504700	396140
MEAN	9894	10030	11050	11560	10740	10980	10090	10660	13500	13130	16280	13200
MAX	16700	13400	15900	16500	16500	17200	15100	14400	19200	16800	18900	18000
MIN	3980	5140	4700	6870	5280	4230	5420	5000	5820	5820	11200	5430
ACRE-FT	608400	596800	679400	710700	596700	674900	600500	655200	803400	807200	1001000	785700

e Estimated.
m Daily values computed from flow-routing model; routing flow from station 09402500, 79 miles upstream.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1990	4295480	11770	19200	3980	8520000

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Discharge, cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	m5650	m7860	m9550	8410	10800	7430	5930	13700	11200	5720	18300	15100
2	m5410	m6250	m8240	14700	10800	9340	5980	11400	5930	11800	16300	12400
3	m8900	m8910	m8670	14600	10800	10800	12300	10100	5620	18100	14700	9820
4	m9050	m6810	m6870	14900	10800	9290	12200	9950	7150	18200	14400	13300
5	m9020	m7250	m11600	14900	10800	7470	11700	6120	11600	18300	14400	15300
6	m8990	m4270	m11000	15000	10800	11600	11200	5980	11400	18300	15000	15300
7	m8920	m8300	m10400	15000	10800	11500	10100	10100	12800	18300	14800	15600
8	m8920	m8030	m12000	15400	10800	11600	11300	15500	14500	18300	14900	14600
9	m8870	m8950	m11100	16400	10300	11900	9700	15500	13000	18400	14900	m12800
10	m8880	m10800	m9040	15100	5770	10700	12200	15600	11500	18300	14900	m12100
11	m8890	m5660	m7470	15100	5630	9790	12900	15600	15200	18400	14300	m15000
12	m8870	m5400	m12400	11900	6090	6050	14900	15500	16600	18300	14300	m14700
13	m8940	m5340	m11600	6240	12700	12400	15000	15500	17100	11900	14900	m14700
14	m5460	m8110	m12200	m5560	13000	12200	14000	15400	17000	5930	15100	m14800
15	m5350	m10400	m12100	m5770	12600	11600	10400	15500	17000	5730	15300	m14100
16	m4910	m10300	m5750	m11400	13000	13400	9890	15400	13500	10800	15200	m12300
17	m8380	m11100	m5420	m11500	12000	11300	11300	15400	11800	17100	15200	m11900
18	m8430	m11500	m6350	m11800	12100	10400	9780	11000	18500	17100	14800	m15000
19	m8470	m8890	11600	12400	13500	8390	11100	5910	19300	17200	13700	m14700
20	m8510	m5760	11900	11900	16500	11800	10700	5810	19200	17200	14400	m14600
21	m8630	m11700	11800	9200	16300	11500	6750	9570	18500	17300	15200	m14800
22	m8530	m11200	11600	10000	14300	12500	6620	15000	17500	17300	15300	m14500
23	m8480	m12800	11400	11600	13900	12400	7090	15100	14700	[9]17300	15300	m12600
24	m8480	m8580	11600	13700	12800	11400	10400	15100	12400	17300	15100	m12600
25	m8640	m8960	11500	15600	11400	10900	11200	15200	12100	17300	15000	m15100
26	m8620	m8000	11500	12200	9830	9050	11200	15100	17300	17200	13200	m15500
27	m8090	m6840	11500	5860	11300	14200	11300	15100	17000	11900	13200	m15300
28	m5610	m10800	11500	5640	9670	12800	8980	15100	17400	5920	15300	m15200
29	m5370	m11700	10300	6030	---	12000	6680	15100	12400	5730	15500	m15400
30	m5380	m9790	5980	10700	---	10000	5590	15100	5920	9230	15400	m12700
31	m6510	---	5670	10800	---	8010	---	15100	---	17300	15300	---
TOTAL	241160	260260	309610	359310	319090	333720	308390	405540	415120	457160	463600	421820
MEAN	7779	8675	9987	11590	11400	10770	10280	13080	13840	14750	14950	14060
MAX	9050	12800	12400	16400	16500	14200	15000	15600	19300	18400	18300	15600
MIN	4910	4270	5420	5560	5630	6050	5590	5810	5620	5720	13200	9820
ACRE-FT	478300	516200	614100	712700	632900	661900	611700	804400	823400	906800	919600	836700

m Daily values computed from flow-routing model; routing flow from station 09402500, 79 miles upstream.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	4156410	11390	19200	4230	8244000
WY 1991	4294780	11770	19300	4270	519000

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Discharge, cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	m11400	m9960	m10500	12400	12500	11200	10700	9930	8250	m13500	14800	14400
2	m11800	m9520	m9880	m11800	11700	9980	11400	10200	9300	m14200	15100	13900
3	m9620	m10300	m10200	m11300	10500	10200	12000	11000	m10900	m14900	13700	13700
4	m9630	m9820	m11800	m13600	10800	m10500	11900	10200	m12000	m13700	14100	13100
5	m9590	m9040	m11800	m13200	12500	m10900	11900	9500	m12000	13400	15700	13000
6	m9570	m10500	m11900	m11800	12400	m10700	11300	10600	11900	12000	15600	12000
7	m7630	m10500	m11800	m11400	12400	m10900	10600	10300	11600	14900	15400	10500
8	m8280	m10400	m11700	m13700	12400	m11000	12000	10400	11100	16300	15200	9670
9	m9790	m10500	m10900	m13700	12000	m10700	11800	10800	10600	m15200	15100	12000
10	m9650	m10400	m10200	m13800	10700	m10300	11800	9580	11800	15700	13600	13100
11	m9730	m9370	m11800	m13900	10800	m11500	12200	10300	11700	15700	13800	13400
12	m9700	m8960	m11900	m13600	12300	m11000	12000	10500	11900	15400	15400	13400
13	m9430	m10300	m11900	m12300	12900	m10900	11600	10700	11800	14000	15900	12400
14	m8010	m10500	m11900	m12000	12700	m11000	11100	10600	11200	14700	15300	10800
15	m8300	m10600	m11800	m13600	12700	m10700	12100	10700	10600	14900	15700	11300
16	m9490	m10700	m11200	m13700	12500	m10100	m11500	9730	10300	15100	15400	13600
17	m9530	m10700	m10400	m13700	11000	m9650	m11400	9430	12200	15000	13700	13400
18	m9520	m9690	m11900	m13700	11600	m11300	11800	10200	12600	15100	14400	12800
19	m10500	m9060	m11900	m13500	12900	m11300	11200	10400	13000	14800	15300	13600
20	m9290	m10900	m12100	m12600	12700	m11300	m9800	10700	13400	12600	15300	13500
21	m8290	m10600	m12100	m12000	12400	m11300	m9080	10700	11900	13300	14800	11600
22	m8350	m10500	m11900	m14200	12400	m11300	10900	10200	10500	15000	15400	11400
23	m9430	m10500	m11900	14300	12100	m10200	11100	10100	10200	15100	14900	12800
24	m9570	m10500	m11000	14500	10700	m9730	10900	10400	12600	16200	13700	12800
25	m9360	m9610	m12700	14400	10600	m10900	11200	9980	12700	16000	13800	12900
26	m9300	m9240	m12000	13400	12200	m11200	10700	9560	m12100	14900	14400	13100
27	m9100	m10500	m10400	12500	12300	m11200	9230	9600	12400	13100	14900	12200
28	m9340	m10600	m12000	12200	12100	m10800	9640	10000	12800	13300	14800	10800
29	m8040	m10400	m11900	13400	11500	m10700	9890	10100	11900	15400	14800	11000
30	m9100	m9140	m11100	13200	---	m10200	9150	10200	12800	15200	15700	12300
31	m9210	---	m10400	12900	---	m9590	---	m9740	---	15500	15700	---
TOTAL	289550	303310	354880	406300	346300	332250	331890	316350	348050	454100	461400	374470
MEAN	9340	10110	11450	13110	11940	10720	11060	10200	11600	14650	14880	12480
MAX	11800	10900	12700	14500	12900	11500	12200	11000	13400	16300	15900	14400
MIN	7630	8960	9880	11300	10500	9590	9080	9430	8250	12000	13600	9670
ACRE-FT	574300	601600	703900	805900	686900	659000	658300	627500	690400	900700	915200	742800

m Daily values computed from flow-routing model; routing flow from station 09402500, 79 miles upstream.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4431490	12140	19300	5560	8790000
WY 1992	4318850	11800	16300	7630	8566000

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Discharge, cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11900	10200	10100	12200	13800	14400	11500	---	---	---	---	---
2	10800	9340	11400	12400	14300	14000	11800	---	---	---	---	---
3	9750	10000	11900	14600	13200	12400	12100	---	---	---	---	---
4	9400	11100	11900	16300	13400	11800	12100	---	---	---	---	---
5	8590	10800	12200	16600	12800	11900	11300	---	---	---	---	---
6	8720	10500	11700	15200	13400	11700	11100	---	---	---	---	---
7	9840	10700	11200	15300	12700	11400	12700	---	---	---	---	---
8	9680	10300	12500	16200	11500	11000	12200	---	---	---	---	---
9	9550	10100	12800	17700	12100	10500	12100	---	---	---	---	---
10	9770	9320	12700	15300	13100	11300	11700	---	---	---	---	---
11	9530	10800	12400	15900	13400	11400	11200	---	---	---	---	---
12	8470	10600	12300	19700	13200	11300	10300	---	---	---	---	---
13	8460	10700	11900	28800	13900	12400	10200	---	---	---	---	---
14	8690	11100	11500	27700	14300	12200	12200	---	---	---	---	---
15	9970	10700	11400	21500	13300	11800	12600	---	---	---	---	---
16	9940	10200	12500	18000	12700	12100	12100	---	---	---	---	---
17	9920	9700	12500	16500	13000	12700	12500	---	---	---	---	---
18	9080	10800	12400	16300	13100	12900	12300	---	---	---	---	---
19	8260	10700	11900	17100	13300	12500	---	---	---	---	---	---
20	8440	10700	11400	18800	14400	12800	---	---	---	---	---	---
21	9700	11000	11000	21200	18900	12700	---	---	---	---	---	---
22	9880	10900	11100	24700	16800	12500	---	---	---	---	---	---
23	9810	9830	11800	24400	19900	12100	---	---	---	---	---	---
24	10200	9760	11400	19200	27100	13000	---	---	---	---	---	---
25	9620	11000	11400	16100	24000	12600	---	---	---	---	---	---
26	9620	11100	11000	16200	18600	12500	---	---	---	---	---	---
27	9120	10600	10800	16200	16400	12600	---	---	---	---	---	---
28	9450	9920	11100	15400	14600	12500	---	---	---	---	---	---
29	8820	10800	11100	15000	---	11800	---	---	---	---	---	---
30	9260	10200	11500	15100	---	11100	---	---	---	---	---	---
31	9680	---	12000	15800	---	11700	---	---	---	---	---	---
TOTAL	293920	313470	362800	551400	421200	377600	---	---	---	---	---	---
MEAN	9481	10450	11700	17790	15040	12180	---	---	---	---	---	---
MAX	11900	11100	12800	28800	27100	14400	---	---	---	---	---	---
MIN	8260	9320	10100	12200	11500	10500	---	---	---	---	---	---
ACRE-FT	583000	621800	719600	1094000	835500	749000	---	---	---	---	---	---

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4341300	11860	16300	8250	8611000

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990-93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1985, and September 1989 to April 1993.

PERIOD OF DAILY RECORD—

WATER TEMPERATURE: August 1990 to April 1993.

SPECIFIC CONDUCTANCE: August 1990 to April 1993.

pH: August 1990 to April 1993.

DISSOLVED-OXYGEN CONCENTRATION: August 1990 to April 1993.

SUSPENDED-SEDIMENT DISCHARGE: June 1983 to December 1983, and September 1985 to February 1986.

INSTRUMENTATION—Water-temperature, specific-conductance, pH, and dissolved-oxygen recorder from August 1990 to April 1993.

REMARKS—

TEMPERATURE: Record fair and within 1.0°C. No minimum or maximum daily-value data available. No record for water year 1990.

SPECIFIC CONDUCTANCE: Record good and within 5 percent. No minimum or maximum daily-value data available for water year 1993. No record for water years 1990 and 1992.

pH: Record good and within 0.2 units. No minimum or maximum daily-value data available for water year 1993. No record water year 1990.

DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L, except for October 1, 1991, to June 7, 1992, July 22, 1992, to August 5, 1992, which are fair and within 1.0 mg/L, and 1991 water year, June 8, 1992, to July 21, 1992, August 6, 1992, to September 30, 1992, and Ocotber 1, 1992, to January 23, 1993, which are poor and could exceed 1.0 mg/L. No record for water year 1990.

EXTREMES FOR DATA PERIOD—

WATER TEMPERATURE: Not available.

SPECIFIC CONDUCTANCE: Maximum, 1,100 µS/cm, April 7–8, 1991; minimum, 857 µS/cm, February 9, 1991.

pH: Maximum, 8.5 units, on many days in water years 1991 and 1992; minimum, 7.9 units, April 30 and May 1–2, 1992.

DISSOLVED-OXYGEN CONCENTRATION: Maximum, 11.3 mg/L, January 13–15, 1993; minimum, 9.2 mg/L, September 21 and October 6, 1992.

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	8.1	---	---	---
2	---	---	---	---	---	---	---	---	8.0	---	---	---
3	---	---	13.8	---	---	---	---	---	---	---	---	---
4	---	---	14.1	---	---	---	---	---	---	---	---	---
5	---	---	13.9	---	---	---	---	---	8.0	---	---	---
6	---	---	13.5	---	---	---	---	---	8.0	---	---	---
7	---	---	13.4	---	---	---	---	---	8.1	---	---	---
8	---	---	13.1	---	---	9.8	---	---	8.2	---	---	---
9	---	---	12.7	---	---	9.4	---	---	8.3	---	---	---
10	---	---	12.4	---	---	9.5	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	8.6	---	---	---
13	---	---	---	---	---	---	---	---	8.9	---	---	---
14	---	---	---	---	---	---	---	---	9.2	---	---	---
15	---	---	---	---	---	10.5	---	---	9.3	---	---	---
16	---	---	---	---	---	10.3	---	---	---	---	---	7.7
17	---	---	---	---	---	10.3	---	---	---	---	---	7.8
18	---	---	---	---	---	10.3	---	---	---	---	---	7.8
19	---	---	---	---	---	10.3	---	---	8.1	---	---	7.8
20	---	---	---	---	---	10.7	---	---	---	---	---	7.8
21	---	---	---	---	---	10.5	---	---	---	---	---	7.8
22	---	---	---	---	---	10.1	---	---	---	---	---	7.7
23	---	---	---	---	---	9.7	---	---	---	---	---	7.5
24	---	---	---	---	---	9.4	---	---	---	---	---	7.3
25	---	---	---	---	---	---	---	---	---	---	---	7.3
26	---	---	---	---	---	---	---	---	---	---	---	7.5
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	8.6	---	---	---	---	---	---
29	---	---	---	---	---	8.3	---	---	---	---	---	---
30	---	---	---	---	---	8.3	---	---	---	---	---	7.1
31	---	---	---	---	---	---	---	---	---	---	---	6.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1991											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	7.0	---	---	9.4	---	---	10.5	---	---	---
2	---	---	7.1	---	---	9.5	---	---	10.8	---	---	---
3	---	---	7.3	---	---	9.5	---	---	11.6	---	---	---
4	---	---	7.5	---	---	9.7	---	---	11.6	---	---	---
5	---	---	7.8	---	---	9.6	---	---	11.6	---	---	---
6	---	---	8.0	---	---	9.9	---	---	---	---	---	---
7	---	---	8.2	---	---	9.7	---	---	12.0	---	---	---
8	---	---	8.2	---	---	9.5	---	---	12.5	---	---	---
9	---	---	8.3	---	---	9.2	---	---	12.3	---	---	12.9
10	---	---	8.3	---	---	9.3	---	---	12.5	---	---	---
11	---	---	8.6	---	---	9.1	---	---	11.7	---	---	---
12	---	---	8.8	---	---	9.4	---	---	10.9	---	---	---
13	---	---	9.1	---	---	9.4	---	---	10.2	---	---	---
14	---	---	8.9	---	---	9.7	---	---	---	---	---	11.5
15	---	---	8.9	---	---	9.3	---	---	10.6	---	---	---
16	---	---	9.0	---	---	9.1	---	---	11.1	---	---	---
17	---	---	9.0	---	---	9.1	---	---	11.8	---	---	---
18	---	---	8.9	---	---	9.5	---	---	12.1	---	---	---
19	---	---	8.8	---	---	9.6	---	---	---	---	---	---
20	---	---	8.5	---	---	9.7	---	---	---	---	---	---
21	---	---	8.4	---	---	9.7	---	---	12.6	---	---	---
22	---	---	8.7	---	---	9.4	---	---	12.9	---	---	---
23	---	---	8.8	---	---	9.4	---	---	---	---	---	---
24	---	---	9.0	---	---	9.7	---	---	---	---	---	---
25	---	---	9.0	---	---	10.0	---	---	12.8	---	---	---
26	---	---	9.0	---	---	10.1	---	---	---	---	---	---
27	---	---	9.2	---	---	9.9	---	---	---	---	---	---
28	---	---	9.4	---	---	9.3	---	---	---	---	---	---
29	---	---	---	---	---	9.3	---	---	---	---	---	---
30	---	---	---	---	---	9.5	---	---	---	---	---	---
31	---	---	---	---	---	10.0	---	---	---	---	---	---
MONTH	---	---	8.5	---	---	9.5	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	13.0
25	---	---	---	---	---	---	---	---	---	---	---	12.9
26	---	---	---	---	---	---	---	---	---	---	---	12.4
27	---	---	---	---	---	---	---	---	---	---	---	12.4
28	---	---	---	---	---	---	---	---	---	---	---	12.5
29	---	---	---	---	---	---	---	---	---	---	---	12.6
30	---	---	---	---	---	---	---	---	---	---	---	12.6
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	12.8	---	---	---	---	---	9.4	---	---	---
2	---	---	12.9	---	---	---	---	---	9.2	---	---	---
3	---	---	12.8	---	---	---	---	---	8.7	---	---	---
4	---	---	12.9	---	---	---	---	---	8.5	---	---	9.2
5	---	---	12.8	---	---	---	---	---	9.0	---	---	9.3
6	---	---	12.9	---	---	---	---	---	9.7	---	---	9.5
7	---	---	13.0	---	---	---	---	---	9.9	---	---	9.5
8	---	---	13.0	---	---	---	---	---	9.8	---	---	---
9	---	---	12.9	---	---	---	---	---	9.8	---	---	---
10	---	---	12.8	---	---	---	---	---	10.1	---	---	9.2
11	---	---	---	---	---	---	---	---	10.7	---	---	8.8
12	---	---	---	---	---	---	---	---	10.7	---	---	8.5
13	---	---	---	---	---	---	---	---	10.5	---	---	8.4
14	---	---	---	---	---	---	---	---	10.4	---	---	8.2
15	---	---	---	---	---	---	---	---	10.3	---	---	8.3
16	---	---	---	---	---	---	---	---	10.2	---	---	8.3
17	---	---	---	---	---	---	---	---	10.0	---	---	8.3
18	---	---	---	---	---	---	---	---	---	---	---	8.3
19	---	---	---	---	---	---	---	---	---	---	---	8.2
20	---	---	---	---	---	10.5	---	---	---	---	---	8.0
21	---	---	---	---	---	10.3	---	---	---	---	---	---
22	---	---	---	---	---	10.0	---	---	---	---	---	---
23	---	---	---	---	---	9.6	---	---	---	---	---	---
24	---	---	---	---	---	9.3	---	---	---	---	---	---
25	---	---	---	---	---	9.2	---	---	---	---	---	---
26	---	---	---	---	---	9.5	---	---	9.5	---	---	---
27	---	---	---	---	---	9.6	---	---	9.6	---	---	---
28	---	---	---	---	---	9.8	---	---	9.5	---	---	---
29	---	---	---	---	---	9.9	---	---	9.7	---	---	---
30	---	---	---	---	---	9.8	---	---	10.0	---	---	---
31	---	---	---	---	---	---	---	---	10.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Water temperature, in degrees Celsius, water year 1992											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	13.3	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	11.6	---	---	8.9	---	---	9.2
2	---	---	---	---	---	11.4	---	---	9.3	---	---	9.1
3	---	---	---	---	---	11.1	---	---	9.4	---	---	8.7
4	---	---	---	---	---	10.7	---	---	9.7	---	---	7.6
5	---	---	---	---	---	10.0	---	---	9.9	---	---	7.0
6	---	---	---	---	---	9.8	---	---	9.7	---	---	6.8
7	---	---	---	---	---	9.9	---	---	9.6	---	---	7.6
8	---	---	---	---	---	10.0	---	---	9.6	---	---	8.3
9	---	---	---	---	---	10.3	---	---	9.7	---	---	8.7
10	---	---	---	---	---	10.5	---	---	9.3	---	---	8.5
11	---	---	---	---	---	10.2	---	---	9.6	---	---	8.9
12	---	---	---	---	---	10.3	---	---	9.5	---	---	8.4
13	---	---	---	---	---	10.1	---	---	9.4	---	---	7.6
14	---	---	---	---	---	9.8	---	---	9.5	---	---	7.0
15	---	---	---	---	---	9.7	---	---	9.4	---	---	7.3
16	---	---	---	---	---	9.9	---	---	8.6	---	---	7.8
17	---	---	---	---	---	10.2	---	---	8.3	---	---	8.5
18	---	---	---	---	---	10.4	---	---	8.9	---	---	8.9
19	---	---	---	---	---	10.6	---	---	8.6	---	---	9.0
20	---	---	---	---	---	10.6	---	---	8.4	---	---	9.0
21	---	---	---	---	---	10.2	---	---	8.4	---	---	8.7
22	---	---	---	---	---	10.0	---	---	8.0	---	---	8.3
23	---	---	---	---	---	9.6	---	---	7.7	---	---	8.0
24	---	---	---	---	---	9.2	---	---	7.6	---	---	7.9
25	---	---	12.3	---	---	8.5	---	---	7.6	---	---	7.7
26	---	---	12.2	---	---	8.6	---	---	7.5	---	---	7.7
27	---	---	12.2	---	---	8.6	---	---	7.7	---	---	7.8
28	---	---	12.4	---	---	8.4	---	---	7.5	---	---	8.0
29	---	---	12.3	---	---	8.4	---	---	7.9	---	---	8.1
30	---	---	12.2	---	---	8.6	---	---	8.5	---	---	8.3
31	---	---	11.9	---	---	---	---	---	8.9	---	---	8.5
MONTH	---	---	---	---	---	9.9	---	---	8.8	---	---	8.2

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Water temperature, in degrees Celsius, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	8.5	---	---	8.8	---	---	---	---	---	---
2	---	---	8.7	---	---	8.8	---	---	---	---	---	---
3	---	---	8.8	---	---	8.9	---	---	---	---	---	---
4	---	---	8.8	---	---	9.2	---	---	---	---	---	---
5	---	---	8.9	---	---	9.5	---	---	---	---	---	---
6	---	---	8.8	---	---	9.5	---	---	---	---	---	---
7	---	---	8.8	---	---	9.5	---	---	---	---	---	---
8	---	---	9.0	---	---	9.7	---	---	---	---	---	---
9	---	---	9.0	---	---	9.9	---	---	---	---	---	---
10	---	---	9.0	---	---	10.1	---	---	---	---	---	---
11	---	---	9.0	---	---	10.2	---	---	---	---	---	---
12	---	---	9.2	---	---	10.3	---	---	---	---	---	---
13	---	---	9.1	---	---	---	---	---	---	---	---	---
14	---	---	9.1	---	---	---	---	---	---	---	---	---
15	---	---	9.1	---	---	---	---	---	---	---	---	---
16	---	---	8.9	---	---	---	---	---	---	---	---	---
17	---	---	8.8	---	---	---	---	---	---	---	---	---
18	---	---	8.8	---	---	---	---	---	---	---	---	---
19	---	---	9.0	---	---	---	---	---	---	---	---	---
20	---	---	9.1	---	---	---	---	---	---	---	---	---
21	---	---	8.8	---	---	---	---	---	---	---	---	---
22	---	---	8.6	---	---	---	---	---	---	---	---	---
23	---	---	8.5	---	---	---	---	---	---	---	---	---
24	---	---	8.2	---	---	---	---	---	---	---	---	---
25	---	---	8.3	---	---	---	---	---	---	---	---	---
26	---	---	8.4	---	---	---	---	---	---	---	---	---
27	---	---	8.6	---	---	---	---	---	---	---	---	---
28	---	---	8.6	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	8.8	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

	Specific conductance, in microsiemens per centimeter at 25°C, water year 1991											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	1100	1000	1050	---	---	---
8	---	---	---	---	---	---	1100	1030	1070	---	---	---
9	932	857	908	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	913	894	898	---	---	---	---	---	---	---	---	---
12	987	905	945	---	---	---	---	---	---	---	---	---
13	1020	987	1010	---	---	---	---	---	---	---	---	---
14	1010	899	927	---	---	---	---	---	---	---	---	---
15	940	888	900	---	---	---	---	---	---	---	---	---
16	952	897	911	---	---	---	---	---	---	---	---	---
17	952	903	915	---	---	---	---	---	---	---	---	---
18	948	899	911	---	---	---	---	---	---	---	---	---
19	961	907	922	---	---	---	---	---	---	---	---	---
20	1020	945	968	---	---	---	---	---	---	---	---	---
21	984	947	961	---	---	---	---	---	---	---	---	---
22	997	943	968	---	---	---	---	---	---	---	---	---
23	988	954	964	---	---	---	---	---	---	---	---	---
24	1000	966	979	---	---	---	---	---	---	---	---	---
25	999	964	978	---	---	---	---	---	---	---	---	---
26	1020	973	992	---	---	---	---	---	---	---	---	---
27	1050	977	1010	---	---	---	---	---	---	---	---	---
28	1030	952	982	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	1010	---	---	---
2	---	---	---	---	---	---	---	---	1010	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	1020	---	---	---
6	---	---	---	---	---	---	---	---	995	---	---	---
7	---	---	---	---	---	---	---	---	978	---	---	---
8	---	---	---	---	---	---	---	---	990	---	---	---
9	---	---	---	---	---	---	---	---	1000	---	---	---
10	---	---	---	---	---	---	---	---	1010	---	---	---
11	---	---	---	---	---	---	---	---	1010	---	---	---
12	---	---	---	---	---	---	---	---	1000	---	---	---
13	---	---	---	---	---	---	---	---	1010	---	---	---
14	---	---	---	---	---	---	---	---	1010	---	---	---
15	---	---	---	---	---	---	---	---	999	---	---	---
16	---	---	---	---	---	---	---	---	1010	---	---	---
17	---	---	---	---	---	---	---	---	1010	---	---	---
18	---	---	---	---	---	---	---	---	1020	---	---	---
19	---	---	---	---	---	---	---	---	1000	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	1000	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
2	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
3	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
4	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
5	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
6	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
7	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.4	8.4
8	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
9	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
10	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
11	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
12	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
13	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
14	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
15	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
16	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
17	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.3	8.3
18	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3
19	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.4
20	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
21	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
22	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
23	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
24	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
25	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
26	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
27	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
28	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
29	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
30	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	8.4	8.3	8.4
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
24	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
25	---	---	---	---	---	---	---	---	---	8.5	8.3	8.4
26	---	---	---	---	---	---	---	---	---	8.4	8.0	8.3
27	---	---	---	---	---	---	---	---	---	8.4	8.0	8.2
28	---	---	---	---	---	---	---	---	---	8.4	8.1	8.4
29	---	---	---	---	---	---	8.5	8.4	8.4	8.4	8.4	8.4
30	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.4	8.4
31	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	8.5	8.4	8.4	8.2	7.9	8.1
2	---	---	---	---	---	---	8.5	8.4	8.4	8.5	7.9	8.2
3	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.1	8.3
4	---	---	---	---	---	---	8.4	8.3	8.4	8.5	8.4	8.4
5	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.4	8.4
6	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.4	8.4
7	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.4	8.4
8	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.4	8.4
9	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.2	8.3
10	---	---	---	---	---	---	8.5	8.4	8.4	8.3	8.2	8.3
11	---	---	---	---	---	---	8.5	8.4	8.4	8.3	8.1	8.3
12	---	---	---	---	---	---	8.4	8.4	8.4	8.3	8.2	8.3
13	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
14	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
15	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
16	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
17	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
18	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
19	---	---	---	---	---	---	8.5	8.2	8.4	---	---	---
20	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
21	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
22	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
23	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
24	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
25	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
26	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
27	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
28	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
29	---	---	---	---	---	---	8.5	8.2	8.4	---	---	---
30	---	---	---	---	---	---	8.2	7.9	8.0	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	8.5	7.9	8.4	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
8	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
9	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
10	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
23	---	---	---	8.4	8.4	8.4	---	---	---	---	---	---
24	---	---	---	8.4	8.2	8.4	---	---	---	---	---	---
25	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	8.5	---	---	---
2	---	---	---	---	---	---	---	---	8.5	---	---	---
3	---	---	---	---	---	8.5	---	---	8.5	---	---	---
4	---	---	---	---	---	8.4	---	---	8.5	---	---	---
5	---	---	---	---	---	8.4	---	---	8.5	---	---	---
6	---	---	---	---	---	8.3	---	---	8.5	---	---	---
7	---	---	---	---	---	8.2	---	---	8.5	---	---	---
8	---	---	---	---	---	8.2	---	---	8.5	---	---	---
9	---	---	---	---	---	8.4	---	---	---	---	---	---
10	---	---	---	---	---	8.3	---	---	---	---	---	---
11	---	---	---	---	---	8.4	---	---	---	---	---	---
12	---	---	---	---	---	8.4	---	---	---	---	---	---
13	---	---	---	---	---	8.3	---	---	---	---	---	---
14	---	---	---	---	---	8.2	---	---	---	---	---	---
15	---	---	---	---	---	8.2	---	---	---	---	---	---
16	---	---	---	---	---	8.3	---	---	---	---	---	---
17	---	---	---	---	---	8.3	---	---	---	---	---	---
18	---	---	---	---	---	8.4	---	---	---	---	---	---
19	---	---	---	---	---	8.5	---	---	8.4	---	---	---
20	---	---	---	---	---	8.5	---	---	8.4	---	---	---
21	---	---	---	---	---	8.5	---	---	8.4	---	---	---
22	---	---	---	---	---	8.5	---	---	8.4	---	---	---
23	---	---	---	---	---	8.5	---	---	8.4	---	---	---
24	---	---	8.3	---	---	8.5	---	---	8.4	---	---	---
25	---	---	8.3	---	---	8.5	---	---	8.4	---	---	---
26	---	---	---	---	---	8.5	---	---	8.4	---	---	---
27	---	---	---	---	---	8.5	---	---	8.4	---	---	---
28	---	---	---	---	---	8.5	---	---	8.4	---	---	---
29	---	---	---	---	---	8.5	---	---	8.4	---	---	---
30	---	---	---	---	---	8.5	---	---	8.4	---	---	---
31	---	---	---	---	---	---	---	---	8.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

pH, water, whole, field, standard units, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	8.5	---	---	---
2	---	---	8.5	---	---	---	---	---	8.5	---	---	---
3	---	---	8.5	---	---	---	---	---	8.4	---	---	---
4	---	---	8.5	---	---	---	---	---	8.4	---	---	---
5	---	---	8.5	---	---	---	---	---	---	---	---	---
6	---	---	8.5	---	---	---	---	---	---	---	---	---
7	---	---	8.4	---	---	---	---	---	---	---	---	---
8	---	---	8.4	---	---	---	---	---	---	---	---	---
9	---	---	8.4	---	---	---	---	---	---	---	---	---
10	---	---	8.4	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	8.4	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[Dashes indicate no data]

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1991											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	10.4	10.2	10.3
2	---	---	---	---	---	---	---	---	---	10.4	10.2	10.3
3	---	---	---	---	---	---	---	---	---	10.4	10.2	10.4
4	---	---	---	---	---	---	---	---	---	10.6	10.3	10.5
5	---	---	---	---	---	---	---	---	---	10.4	10.2	10.3
6	---	---	---	---	---	---	---	---	---	10.2	10.0	10.1
7	---	---	---	---	---	---	10.5	10.2	10.4	10.1	9.7	9.9
8	---	---	---	---	---	---	10.4	10.3	10.3	10.2	10.0	10.1
9	---	---	---	---	---	---	10.5	10.3	10.4	10.4	10.0	10.2
10	---	---	---	---	---	---	10.4	10.2	10.3	10.5	10.1	10.3
11	---	---	---	---	---	---	10.5	10.3	10.5	10.7	10.4	10.5
12	---	---	---	---	---	---	11.1	10.5	10.8	10.8	10.6	10.7
13	---	---	---	---	---	---	11.1	11.0	11.0	10.8	10.6	10.7
14	---	---	---	---	---	---	11.1	11.0	11.1	10.7	10.4	10.5
15	---	---	---	---	---	---	11.0	10.6	10.8	10.6	10.4	10.5
16	---	---	---	---	---	---	10.7	10.4	10.6	10.6	10.4	10.5
17	---	---	---	---	---	---	10.6	10.2	10.4	10.5	10.3	10.4
18	---	---	---	---	---	---	10.4	10.2	10.3	10.4	10.0	10.2
19	---	---	---	---	---	---	10.5	10.3	10.4	10.0	9.8	9.9
20	---	---	---	---	---	---	10.5	10.2	10.4	---	---	---
21	---	---	---	---	---	---	10.2	10.1	10.1	---	---	---
22	---	---	---	---	---	---	10.1	9.9	10.0	---	---	---
23	---	---	---	---	---	---	10.0	9.8	9.9	---	---	---
24	---	---	---	---	---	---	10.0	9.9	10.0	---	---	---
25	---	---	---	---	---	---	10.0	10.0	10.0	---	---	---
26	---	---	---	---	---	---	10.4	10.0	10.2	---	---	---
27	---	---	---	---	---	---	10.5	10.3	10.4	---	---	---
28	---	---	---	---	---	---	10.6	10.3	10.5	---	---	---
29	---	---	---	---	---	---	10.4	10.3	10.4	---	---	---
30	---	---	---	---	---	---	10.3	10.2	10.3	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	10.3	10.2	10.3	---	---	---
2	---	---	---	---	---	---	10.4	10.2	10.3	---	---	---
3	---	---	---	---	---	---	10.3	10.2	10.3	---	---	---
4	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
5	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
6	---	---	---	---	---	---	10.2	10.1	10.2	---	---	---
7	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
8	---	---	---	---	---	---	10.2	10.0	10.1	---	---	---
9	---	---	---	---	---	---	10.2	10.1	10.2	---	---	---
10	---	---	---	---	---	---	10.2	10.1	10.1	---	---	---
11	---	---	---	---	---	---	10.2	10.1	10.2	---	---	---
12	---	---	---	---	---	---	10.3	10.2	10.2	---	---	---
13	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
14	---	---	---	---	---	---	10.2	10.1	10.2	---	---	---
15	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
16	---	---	---	---	---	---	10.4	10.2	10.3	---	---	---
17	---	---	---	---	---	---	10.4	10.2	10.3	---	---	---
18	---	---	---	---	---	---	10.4	10.2	10.3	---	---	---
19	---	---	---	---	---	---	10.5	9.9	10.3	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1992											
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	9.8	9.7	9.7	---	---	---	9.6	9.3	9.4
2	---	---	---	9.8	9.6	9.7	---	---	---	9.9	9.5	9.7
3	---	---	---	9.8	9.7	9.7	---	---	---	9.9	9.6	9.7
4	---	---	---	9.9	9.7	9.8	---	---	---	9.9	9.8	9.9
5	---	---	---	9.9	9.8	9.8	---	---	---	9.9	9.8	9.8
6	---	---	---	9.8	9.7	9.8	---	---	---	9.8	9.7	9.8
7	---	---	---	9.8	9.6	9.7	10.5	10.3	10.4	9.8	9.7	9.8
8	9.8	9.2	9.7	9.8	9.6	9.7	10.5	10.2	10.4	9.7	9.5	9.6
9	9.7	9.6	9.6	10.0	9.8	9.9	10.2	10.1	10.2	9.6	9.5	9.6
10	9.8	9.6	9.7	10.1	9.9	10.0	10.2	9.9	10.1	9.7	9.6	9.7
11	9.8	9.7	9.8	10.1	9.9	10.0	10.0	9.8	9.9	9.8	9.7	9.8
12	9.9	9.7	9.8	10.1	9.9	10.0	10.0	9.7	9.9	9.8	9.8	9.8
13	9.8	9.8	9.8	9.9	9.8	9.9	10.0	9.9	10.0	9.8	9.7	9.8
14	9.8	9.7	9.7	9.9	9.8	9.9	10.0	9.8	9.9	9.7	9.6	9.7
15	9.9	9.7	9.8	10.0	9.9	9.9	10.0	9.8	9.9	9.7	9.6	9.6
16	9.9	9.8	9.8	10.0	9.9	10.0	9.9	9.8	9.9	9.6	9.4	9.5
17	9.9	9.8	9.9	10.1	9.9	10.0	9.9	9.7	9.8	9.6	9.4	9.5
18	9.8	9.8	9.8	10.0	9.9	9.9	9.9	9.7	9.9	9.7	9.6	9.6
19	9.8	9.7	9.8	10.1	9.9	10.0	9.9	9.8	9.8	9.7	9.5	9.7
20	9.9	9.7	9.8	10.3	9.9	10.0	9.9	9.8	9.9	9.8	9.6	9.7
21	9.9	9.8	9.8	---	---	---	9.9	9.8	9.9	9.7	9.2	9.5
22	9.9	9.7	9.8	---	---	---	9.9	9.8	9.8	9.7	9.4	9.5
23	9.8	9.6	9.7	---	---	---	9.9	9.3	9.8	9.6	9.5	9.5
24	9.8	9.6	9.7	---	---	---	9.9	9.6	9.9	9.7	9.6	9.6
25	9.8	9.7	9.8	---	---	---	10.0	9.7	9.8	9.6	9.5	9.6
26	9.8	9.8	9.8	---	---	---	10.0	9.5	9.8	9.7	9.6	9.7
27	9.8	9.8	9.8	---	---	---	9.7	9.5	9.5	9.7	9.6	9.7
28	9.9	9.8	9.8	---	---	---	9.8	9.6	9.7	9.7	9.6	9.7
29	9.8	9.7	9.8	---	---	---	9.8	9.6	9.7	9.7	9.6	9.7
30	9.8	9.7	9.8	---	---	---	9.7	9.5	9.6	9.8	9.7	9.7
31	---	---	---	---	---	---	9.7	9.4	9.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.9	9.2	9.7

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.7	9.6	9.7	---	---	---	---	---	---	10.7	10.5	10.6
2	9.7	9.6	9.6	---	---	---	---	---	---	10.5	10.5	10.5
3	9.6	9.5	9.6	---	---	---	---	---	---	10.8	10.5	10.6
4	9.7	9.6	9.6	---	---	---	---	---	---	11.0	10.8	10.9
5	9.7	9.5	9.6	---	---	---	---	---	---	11.2	10.9	11.1
6	9.6	9.2	9.6	---	---	---	---	---	---	11.2	11.1	11.2
7	9.7	9.6	9.7	---	---	---	---	---	---	11.1	10.8	10.9
8	9.8	9.6	9.7	---	---	---	---	---	---	10.8	10.5	10.6
9	9.8	9.7	9.7	---	---	---	---	---	---	10.6	10.4	10.5
10	9.8	9.7	9.7	---	---	---	---	---	---	10.6	10.4	10.5
11	9.9	9.7	9.8	---	---	---	---	---	---	10.6	10.3	10.4
12	10.0	9.8	9.9	---	---	---	---	---	---	10.8	10.5	10.7
13	9.8	9.7	9.7	---	---	---	---	---	---	11.3	10.7	11.0
14	9.7	9.6	9.6	---	---	---	---	---	---	11.3	11.1	11.2
15	9.8	9.6	9.7	---	---	---	---	---	---	11.3	11.0	11.1
16	9.8	9.7	9.7	---	---	---	---	---	---	11.1	10.8	11.0
17	9.8	9.6	9.7	---	---	---	---	---	---	10.8	10.7	10.8
18	9.8	9.6	9.7	---	---	---	---	---	---	10.7	10.6	10.6
19	9.9	9.6	9.7	---	---	---	10.7	10.6	10.7	---	---	---
20	9.9	9.7	9.8	---	---	---	10.7	10.7	10.7	---	---	---
21	9.9	9.8	9.8	---	---	---	10.7	10.6	10.7	---	---	---
22	10.0	9.8	9.9	---	---	---	10.9	10.7	10.8	11.0	10.8	10.9
23	---	---	---	---	---	---	11.0	10.9	10.9	11.1	10.9	11.0
24	---	---	---	---	---	---	11.0	10.9	11.0	11.1	10.9	11.0
25	---	---	---	---	---	---	11.0	10.9	10.9	11.0	10.9	11.0
26	---	---	---	---	---	---	11.0	10.8	10.9	---	---	---
27	---	---	---	---	---	---	10.9	10.8	10.9	---	---	---
28	---	---	---	---	---	---	11.0	10.8	10.9	---	---	---
29	---	---	---	---	---	---	10.9	10.7	10.8	---	---	---
30	---	---	---	---	---	---	10.7	10.6	10.7	---	---	---
31	---	---	---	---	---	---	10.7	10.6	10.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

	Concentrations of dissolved oxygen, in milligrams per liter, water year 1993											
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	10.1	9.9	10.0	---	---	---
2	10.6	10.5	10.5	---	---	---	10.1	9.9	10.0	---	---	---
3	10.5	10.4	10.4	---	---	---	10.1	9.9	10.0	---	---	---
4	10.4	10.3	10.4	---	---	---	10.1	10.0	10.0	---	---	---
5	10.4	10.3	10.3	---	---	---	10.0	9.9	10.0	---	---	---
6	10.4	10.3	10.3	---	---	---	10.0	9.9	9.9	---	---	---
7	10.3	10.2	10.2	---	---	---	10.2	9.9	10.1	---	---	---
8	10.2	10.0	10.1	---	---	---	10.3	10.1	10.2	---	---	---
9	10.1	10.0	10.0	---	---	---	10.3	10.0	10.2	---	---	---
10	10.2	10.1	10.1	---	---	---	10.2	10.0	10.1	---	---	---
11	10.3	10.2	10.2	---	---	---	10.0	9.8	9.9	---	---	---
12	10.2	10.1	10.1	---	---	---	9.9	9.8	9.8	---	---	---
13	10.2	10.1	10.2	---	---	---	10.1	9.9	10.0	---	---	---
14	10.1	10.1	10.1	---	---	---	10.1	10.0	10.0	---	---	---
15	10.1	10.0	10.1	---	---	---	10.2	10.0	10.1	---	---	---
16	10.2	10.0	10.1	---	---	---	10.2	10.1	10.2	---	---	---
17	10.3	10.2	10.2	---	---	---	10.2	10.1	10.1	---	---	---
18	10.3	10.2	10.2	---	---	---	10.2	10.1	10.1	---	---	---
19	10.2	10.0	10.1	---	---	---	10.2	10.1	10.2	---	---	---
20	10.0	9.9	10.0	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	10.3	10.1	10.2	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT												
07...	1159	11700	38.92	--	--	--	--	--	12.0	--	--	--
07...	1215	11500	38.84	980	981	8.4	8.2	26.0	12.0	2.1	724	9.8
08...	0715	6030	34.90	--	--	--	--	--	12.0	--	--	10.2
08...	1100	5930	34.81	955	956	8.5	8.3	--	12.5	1.1	724	10.2
09...	0730	5790	34.68	--	--	--	--	--	12.0	--	--	10.0
09...	0900	5780	34.67	820	890	8.5	8.3	24.0	12.0	0.80	723	10.3
09...	1230	5790	34.68	--	--	--	--	--	12.0	--	--	9.8
09...	1530	5820	34.70	--	--	--	--	--	12.0	--	--	9.9
10...	1800	5780	34.67	960	973	8.4	8.3	24.0	12.0	0.50	721	9.9
11...	0930	5760	34.65	980	983	8.5	8.3	20.0	12.0	1.0	724	10.0
12...	1140	10600	38.27	--	--	--	--	--	--	--	--	--
JAN												
27...	0900	E8800	--	860	--	8.5	--	5.5	8.5	--	727	11.4
MAY												
10...	0915	E12700	--	1000	--	8.1	--	24.5	13.0	--	708	9.9
JUL												
09...	1540	10600	38.20	998	--	8.3	--	31.0	14.0	--	--	--
AUG												
08...	0930	E21300	--	970	--	8.1	--	21.5	13.5	--	728	10.6

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (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)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT												
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	96	280	69	25	94	3.5	4	177	151	148	220	90
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	103	280	69	25	91	3.5	5	178	154	150	210	84
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	100	270	68	25	78	3.4	6	170	149	145	220	64
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	96	280	69	25	93	3.4	6	178	155	148	210	86
11...	97	280	69	25	95	3.4	5	176	152	151	210	93
12...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
27...	102	--	--	--	--	--	4	163	140	--	--	--
MAY												
10...	101	--	--	--	--	--	0	184	151	--	--	--
JUL												
09...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
08...	96	--	--	--	--	--	0	261	214	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT												
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	0.30	8.4	589	603	<0.010	0.300	0.350	0.030	0.030	0.37	0.40	0.70
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	0.30	8.4	583	585	<0.010	0.300	0.340	0.020	<0.010	0.28	0.30	0.60
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	0.30	8.1	563	558	<0.010	0.300	0.350	0.020	0.010	0.38	0.40	0.70
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	0.30	8.2	560	590	<0.010	0.300	0.340	0.010	0.020	0.19	0.20	0.50
11...	0.30	8.1	618	597	<0.010	0.300	0.330	0.010	0.050	0.29	0.30	0.60
12...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
10...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
09...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
08...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS ORGANIC TOTAL (MG/L AS P) (00670)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
07...	--	--	--	--	--	--	--	--	--	--	--
07...	3.1	0.020	0.03	<0.010	0.010	<0.010	0.01	--	39	--	54
08...	--	--	--	--	--	--	--	--	--	--	--
08...	2.7	<0.010	--	<0.010	<0.010	<0.010	--	2.8	7	112	77
09...	--	--	--	--	--	--	--	--	--	--	--
09...	3.1	<0.010	0.06	<0.010	0.020	<0.010	--	2.7	7	109	75
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
10...	2.2	<0.010	--	<0.010	<0.010	<0.010	--	2.6	7	109	65
11...	2.7	<0.010	0.03	<0.010	0.010	<0.010	--	3.3	5	78	58
12...	--	--	--	--	--	--	--	--	363	--	92
JAN											
27...	--	--	--	--	--	--	--	--	21	--	31
MAY											
10...	--	--	--	--	--	--	--	--	73	--	29
JUL											
09...	--	--	--	--	--	--	--	--	--	--	--
AUG											
08...	--	--	--	--	--	--	--	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
NOV												
06...	1130	E4270	--	995	8.5	--	10.5	--	--	--	--	--
JAN												
01...	1643	5890	35.09	--	--	--	--	15	--	--	--	--
02...	0021	18700	43.08	--	--	--	--	37	--	--	--	--
02...	1312	10900	38.93	--	--	--	--	30	--	--	--	--
04...	2230	19400	43.40	--	--	--	--	17	--	--	--	--
05...	1447	10600	38.75	--	--	--	--	27	--	--	--	--
05...	2339	19300	43.36	--	--	--	--	85	--	--	--	--
06...	1012	12800	40.05	--	--	--	--	68	--	--	--	--
06...	1533	10500	38.67	--	--	--	--	39	--	--	--	--
06...	1856	15500	41.52	--	--	--	--	100	--	--	--	--
06...	2300	19400	43.42	--	--	--	--	100	--	--	--	--
07...	0835	13700	40.57	--	--	--	--	110	--	--	--	--
07...	1530	10500	38.65	--	--	--	--	140	--	--	--	--
07...	1910	16900	42.25	--	--	--	--	130	--	--	--	--
07...	2316	19300	43.37	--	--	--	--	100	--	--	--	--
08...	0828	13800	40.61	--	--	--	--	100	--	--	--	--
08...	1619	10700	38.80	--	--	--	--	130	--	--	--	--
08...	1835	15600	41.58	--	--	--	--	200	--	--	--	--
08...	2231	21200	44.22	--	--	--	--	100	--	--	--	--
09...	1635	13700	40.57	--	--	--	--	170	--	--	--	--
09...	2313	21200	44.18	--	--	--	--	1700	--	--	--	--
10...	1146	12400	39.86	--	--	--	--	2300	--	--	--	--
10...	1709	13500	40.46	--	--	--	--	3600	--	--	--	--
12...	0825	13700	40.60	--	--	--	--	650	--	--	--	--
12...	1628	11500	39.29	--	--	--	--	1100	--	--	--	--
12...	1912	8050	36.92	--	--	--	--	1100	--	--	--	--
12...	2229	7320	36.34	--	--	--	--	760	--	--	--	--
13...	1110	6120	35.30	--	--	--	--	450	--	--	--	--
30...	2030	7410	36.41	--	--	--	--	3.0	--	--	--	--
31...	0245	14200	40.84	--	--	--	--	7.0	--	--	--	--
31...	2015	7320	36.34	--	--	--	--	5.1	--	--	--	--
FEB												
01...	0236	14100	40.83	--	--	--	--	2.9	--	--	--	--
01...	2048	7630	36.59	--	--	--	--	3.4	--	--	--	--
02...	0214	14200	40.84	--	--	--	--	3.3	--	--	--	--
02...	1953	7270	36.30	--	--	--	--	2.0	--	--	--	--
03...	0220	14100	40.82	--	--	--	--	1.8	--	--	--	--
03...	1940	7260	36.29	--	--	--	--	1.3	--	--	--	--
04...	0154	14100	40.82	--	--	--	--	3.2	--	--	--	--
04...	2017	8130	36.98	--	--	--	--	2.0	--	--	--	--
05...	0239	14100	40.80	--	--	--	--	3.1	--	--	--	--
09...	1430	8910	37.56	880	8.1	9.0	8.0	--	--	736	11.5	101
APR												
06...	1345	10100	38.42	1220	8.3	26.0	11.5	150	2.40	724	10.8	104
06...	1615	9050	37.66	1220	11.5	--	--	--	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)
NOV												
06...	--	--	--	--	--	109	--	96	100	--	--	--
JAN												
01...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
01...	--	--	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
09...	142	173	--	--	--	56	1350	47	100	--	--	--
APR												
06...	--	--	8	186	165	582	15900	87	90	95	98	100
06...	--	--	--	--	--	485	11800	89	93	96	98	100

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)
MAY								
08...	0010	19400	43.42	--	--	--	--	100
08...	1614	9900	38.26	--	--	--	--	80
08...	2221	21000	44.10	--	--	--	--	100
09...	1542	8620	37.35	--	--	--	--	58
09...	2005	23700	45.21	--	--	--	--	87
10...	1434	8720	37.42	--	--	--	--	30
11...	1352	9130	37.72	--	--	--	--	30
11...	1950	23600	45.18	--	--	--	--	63
12...	1416	8760	37.45	--	--	--	--	25
12...	1953	23400	45.10	--	--	--	--	50
13...	1406	8800	37.48	--	--	--	--	22
13...	2034	22200	45.03	--	--	--	--	47
14...	1415	8700	37.41	--	--	--	--	20
15...	1414	8700	37.41	--	--	--	--	23
15...	2013	23300	45.07	--	--	--	--	50
16...	1404	8760	37.45	--	--	--	--	24
16...	2005	23500	45.12	--	--	--	--	30
17...	1523	8290	37.10	--	--	--	--	14
25...	1930	--	--	--	--	--	--	2.0
26...	1151	--	--	--	--	--	--	4.1
28...	1245	--	--	--	--	--	--	2.0
29...	1352	--	--	--	--	--	--	2.5
29...	1811	--	--	--	--	--	--	12
JUL								
03...	1849	25100	45.77	--	--	--	--	17
04...	0122	19600	43.48	--	--	--	--	10
04...	1053	12000	39.60	--	--	--	--	10
04...	1630	24000	45.32	--	--	--	--	15
05...	1217	11400	39.22	--	--	--	--	10
06...	0141	19200	43.33	--	--	--	--	10
06...	1254	11400	39.24	--	--	--	--	3.0
06...	1310	11600	39.34	--	--	--	--	1.4
06...	1748	25300	45.83	--	--	--	--	20
07...	0001	21100	44.16	--	--	--	--	15
07...	1248	11400	39.22	--	--	--	--	3.3
09...	1336	9570	38.03	--	--	--	--	35
09...	1813	25300	45.83	--	--	--	--	17
10...	1152	11600	39.34	--	--	--	--	3.5
10...	1754	25400	45.88	--	--	--	--	25
12...	2030	24500	45.51	895	8.2	20.5	12.0	5.1
18...	1515	12100	39.66	--	--	--	--	3.8
18...	2015	24100	45.38	--	--	--	--	8.4
19...	1314	10900	38.89	--	--	--	--	5.4
19...	2027	24000	45.34	--	--	--	--	4.3
20...	1340	10800	38.84	--	--	--	--	5.0
20...	2000	24300	45.45	--	--	--	--	2.2
21...	1351	10800	38.83	--	--	--	--	3.0
21...	1955	24400	45.47	--	--	--	--	7.5
22...	1424	10900	38.90	--	--	--	--	1.5
22...	2012	24500	45.51	--	--	--	--	31
23...	1346	10800	38.82	--	--	--	--	10
23...	2030	24100	45.39	--	--	--	--	160
24...	1423	10900	38.92	--	--	--	--	10
24...	1949	24400	45.49	--	--	--	--	10
25...	1403	10800	38.82	--	--	--	--	2.0
25...	1952	24400	45.49	--	--	--	--	10

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
MAY							
08...	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--
JUL							
03...	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--
12...	17.5	725	10.8	105	0	171	140
18...	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991—CONTINUED

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
SEP										
22...	2000	14500	--	--	--	--	--	--	--	--
23...	0600	12600	--	--	--	--	--	--	--	--
23...	0945	E12600	974	8.4	18.5	13.0	--	731	10.4	103
23...	1600	12600	--	--	--	--	--	--	--	--
24...	0200	12600	--	--	--	--	--	--	--	--
24...	0945	E12600	--	--	--	--	0.70	--	--	--
24...	1015	E12600	1020	--	--	13.0	--	--	--	--
24...	1200	12600	--	--	--	--	--	--	--	--
24...	2200	12600	--	--	--	--	--	--	--	--
25...	0800	15100	--	--	--	--	--	--	--	--
25...	1800	15100	--	--	--	--	--	--	--	--
27...	0945	E15300	995	--	--	14.5	--	--	--	--
29...	2200	15400	--	--	--	--	--	--	--	--

DATE	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
SEP										
22...	--	--	--	75	2940	94	--	--	--	--
23...	--	--	--	59	2010	96	--	--	--	--
23...	12	154	146	--	--	--	--	--	--	--
23...	--	--	--	56	1910	91	--	--	--	--
24...	--	--	--	61	2080	73	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	88	--	--	63	83	96	100
24...	--	--	--	43	1460	90	--	--	--	--
24...	--	--	--	49	1670	85	--	--	--	--
25...	--	--	--	33	1350	89	--	--	--	--
25...	--	--	--	67	2730	53	--	--	--	--
27...	--	--	--	420	--	--	25	56	88	100
29...	--	--	--	25	1040	73	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV										
18...	1500	E9690	--	1010	8.5	12.5	11.0	2.1	--	727
DEC										
20...	2000	12100	--	--	--	--	--	--	--	--
21...	--	12100	--	--	--	--	--	--	--	--
22...	2000	11900	--	--	--	--	--	--	--	--
25...	2000	12700	--	--	--	--	--	--	--	--
26...	2000	12000	--	--	--	--	--	--	--	--
29...	2000	11900	--	--	--	--	--	--	--	--
JAN										
04...	0800	13600	--	--	--	--	--	--	--	--
04...	2100	13600	--	--	--	--	--	--	--	--
05...	0900	13200	--	--	--	--	--	--	--	--
05...	2100	13200	--	--	--	--	--	--	--	--
06...	0800	11800	--	--	--	--	--	--	--	--
06...	2000	11800	--	--	--	--	--	--	--	--
08...	0800	13700	--	--	--	--	--	--	--	--
08...	2000	13700	--	--	--	--	--	--	--	--
09...	0800	13700	--	--	--	--	--	--	--	--
09...	2000	13700	--	--	--	--	--	--	--	--
10...	0800	13800	--	--	--	--	--	--	--	--
10...	2000	13800	--	--	--	--	--	--	--	--
11...	0800	13900	--	--	--	--	--	--	--	--
11...	2000	13900	--	--	--	--	--	--	--	--
12...	0800	13600	--	--	--	--	--	--	--	--
12...	2000	13600	--	--	--	--	--	--	--	--
13...	0800	12300	--	--	--	--	--	--	--	--
22...	1830	E14200	--	944	8.5	--	8.0	3.1	45.6	740
22...	2000	14200	--	--	--	--	--	--	--	--
23...	2000	15200	41.39	--	--	--	--	--	--	--
24...	2000	15800	41.70	--	--	--	--	--	--	--
25...	2000	14600	41.06	--	--	--	--	--	--	--
26...	2000	13700	40.58	--	--	--	--	--	--	--
27...	2000	10900	38.94	--	--	--	--	--	--	--
29...	2000	13800	40.63	--	--	--	--	--	--	--
30...	2000	13400	40.41	--	--	--	--	--	--	--
31...	2000	12900	40.16	--	--	--	--	--	--	--
FEB										
01...	2000	12100	39.66	--	--	--	--	--	--	--
03...	1400	9610	38.06	--	--	--	--	--	--	--
04...	2000	11600	39.38	--	--	--	--	--	--	--
05...	2000	11900	39.54	--	--	--	--	--	--	--
06...	2000	11900	39.52	--	--	--	--	--	--	--
07...	2000	11700	39.42	--	--	--	--	--	--	--
08...	2000	11700	39.43	--	--	--	--	--	--	--
09...	2000	10700	38.78	--	--	--	--	--	--	--
11...	1400	9820	38.20	--	--	--	--	--	--	--
13...	1400	11300	39.18	--	--	--	--	--	--	--
14...	2000	12200	39.73	--	--	--	--	--	--	--
15...	2000	12000	39.58	--	--	--	--	--	--	--
16...	2000	11300	39015	--	--	--	--	--	--	--
18...	1400	10500	38.66	--	--	--	--	--	--	--
MAR										
30...	1430	--	--	1030	8.4	16.5	11.0	--	0.25	729
JUN										
06...	0945	11100	39.05	1020	8.3	33.0	14.0	57	--	710
06...	1023	11100	39.06	--	--	--	--	--	--	--
AUG										
04...	1400	12400	39.82	--	--	--	--	90	--	--
05...	--	17200	42.37	1040	8.3	25.5	14.0	--	--	728
05...	1915	13200	40.30	--	--	--	--	--	--	--
07...	0130	17300	42.44	--	--	--	--	--	--	--
07...	1115	13100	40.23	--	--	--	--	--	--	--
14...	1800	16200	41.91	1010	--	--	--	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)
NOV										
18...	--	--	10	180	148	30	--	--	--	--
DEC										
20...	--	--	--	--	--	74	2420	95	--	--
21...	--	--	--	--	--	52	1700	96	--	--
22...	--	--	--	--	--	75	2410	68	--	--
25...	--	--	--	--	--	202	6930	99	--	--
26...	--	--	--	--	--	173	5610	99	--	--
29...	--	--	--	--	--	733	23600	99	--	--
JAN										
04...	--	--	--	--	--	2600	95500	100	--	--
04...	--	--	--	--	--	2010	73800	100	--	--
05...	--	--	--	--	--	596	21200	100	--	--
05...	--	--	--	--	--	394	14000	100	--	--
06...	--	--	--	--	--	593	18900	100	--	--
06...	--	--	--	--	--	439	14000	100	--	--
08...	--	--	--	--	--	362	13400	97	--	--
08...	--	--	--	--	--	4210	156000	100	--	--
09...	--	--	--	--	--	3820	141000	100	--	--
09...	--	--	--	--	--	2330	86200	100	--	--
10...	--	--	--	--	--	1350	50300	100	--	--
10...	--	--	--	--	--	432	16100	100	--	--
11...	--	--	--	--	--	382	14300	100	--	--
11...	--	--	--	--	--	349	13100	100	--	--
12...	--	--	--	--	--	267	9800	98	--	--
12...	--	--	--	--	--	170	6240	99	--	--
13...	--	--	--	--	--	138	4580	99	--	--
22...	11.8	103	4	162	139	38	--	--	--	--
22...	--	--	--	--	--	30	1150	97	--	--
23...	--	--	--	--	--	33	1360	98	--	--
24...	--	--	--	--	--	33	1410	98	--	--
25...	--	--	--	--	--	39	1540	98	--	--
26...	--	--	--	--	--	30	1110	98	--	--
27...	--	--	--	--	--	32	945	95	--	--
29...	--	--	--	--	--	50	1860	99	--	--
30...	--	--	--	--	--	18	651	95	--	--
31...	--	--	--	--	--	18	629	96	--	--
FEB										
01...	--	--	--	--	--	19	621	94	--	--
03...	--	--	--	--	--	15	389	96	--	--
04...	--	--	--	--	--	17	534	92	--	--
05...	--	--	--	--	--	17	546	90	--	--
06...	--	--	--	--	--	41	1310	82	--	--
07...	--	--	--	--	--	182	5750	99	--	--
08...	--	--	--	--	--	422	13400	100	--	--
09...	--	--	--	--	--	327	9440	100	--	--
11...	--	--	--	--	--	418	11100	100	--	--
13...	--	--	--	--	--	289	8830	100	--	--
14...	--	--	--	--	--	339	11200	99	--	--
15...	--	--	--	--	--	277	8950	100	--	--
16...	--	--	--	--	--	220	6690	100	--	--
18...	--	--	--	--	--	439	12400	100	--	--
MAR										
30...	10.6	100	--	--	--	--	--	--	--	--
JUN										
06...	9.6	102	0	181	148	891	26700	90	95	99
06...	--	--	--	--	--	823	24700	99	100	--
AUG										
04...	--	--	--	--	--	--	--	--	--	--
05...	9.8	100	2	170	143	545	25300	--	--	--
05...	--	--	--	--	--	440	15700	--	--	--
07...	--	--	--	--	--	3880	181000	--	--	--
07...	--	--	--	--	--	1420	50300	--	--	--
14...	--	--	--	--	--	6890	301000	--	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992—CONTINUED

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV									
18...	--	--	--	--	--	64	86	100	--
DEC									
20...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
JAN									
04...	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	8	22	76	100
22...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
FEB									
01...	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
MAR									
30...	--	--	--	--	--	--	--	--	--
JUN									
06...	100	--	--	--	--	--	--	--	--
06...	56	64	68	78	91	100	--	--	--
AUG									
04...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	65	95	99	100
05...	--	--	--	--	--	62	78	90	E100
07...	--	--	--	--	--	94	100	--	--
07...	--	--	--	--	--	97	100	--	--
14...	66	71	77	86	94	99	100	--	--

Table 12. 09404120, Colorado River above National Canyon near Supai, Arizona, water years 1990–93—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT									
23...	1500	8780	37.47	970	8.3	12.0	59.0	720	10.3
DEC									
25...	2000	12700	--	--	--	--	--	--	--
FEB									
02...	1000	13600	40.54	915	8.4	7.5	--	727	11.1
APR									
20...	1025	11800	39.46	970	8.1	12.0	7.80	723	10.2

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)
OCT								
23...	102	0	179	147	--	--	--	--
DEC								
25...	--	--	--	--	202	6930	99	--
FEB								
02...	97	--	--	--	495	18200	--	41
APR								
20...	100	--	--	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT								
23...	--	--	--	--	--	--	--	--
DEC								
25...	--	--	--	--	--	--	--	--
FEB								
02...	41	46	55	61	70	92	99	100
APR								
20...	--	--	--	--	--	--	--	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95

STATION DESCRIPTION

LOCATION—Lat 35°46'25", long 113°21'46", sec. 33, T. 28 N., R. 10 W., unsurveyed, Mohave County, Hydrologic Unit 15010002, in Lake Mead National Recreation Area, on the right bank, 0.6 mi upstream from Diamond Creek, 138 mi downstream from Phantom Ranch, 25 mi north of Peach Springs, 242 mi downstream from Glen Canyon Dam, and 130 mi upstream from Hoover Dam.

DRAINAGE AREA—149,316 mi^2 including 3,959 mi^2 in Great Divide Basin in southern Wyoming and 697 mi^2 on the Colorado Plateau, which are noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1986, and October 1989 to current year.

GAGE—Water-stage recorder. Elevation of gage is 1,340.0 ft above sea level, from topographic map.

REMARKS—Records good. Flow regulated since March 13, 1963 by Lake Powell 242 mi upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial use. Several unregulated tributaries below Glen Canyon Dam.

EXTREMES FOR PERIOD OF RECORD—Maximum discharge, 97,000 ft^3/s, June 30, 1983, gage height, unknown; minimum daily discharge, 3,710 ft^3/s, March 21, 1990, gage height, 43.89 ft.

EXTREMES FOR DATA PERIOD—Maximum discharge, 28,200 ft^3/s, July 8, 1991, gage height, 54.71 ft; mnimum daily discharge, 4,600 ft^3/s, estimated, October 31, 1989.

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Discharge, in cubic feet per second, water year 1990 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e11800	e7000	e13600	e13100	e12100	18100	15400	10800	11300	7650	14900	e16600
2	e10100	e8940	e12000	e8300	e9500	19200	10900	11800	11300	5720	18600	e16400
3	e6000	e12500	e11200	e8700	e10500	15100	7280	10300	7380	5600	17400	e14400
4	e11000	e14300	e7600	e12600	e12700	14100	9790	11700	5760	13900	16800	e8500
5	10300	e12900	e5300	e16800	e9100	10600	10800	9940	5680	15700	17400	e9800
6	8860	e7700	e7200	e15700	e8000	9720	11100	10600	5630	15800	14800	e14500
7	11000	e5900	e8800	e12500	e10400	15700	11500	9670	12800	16100	12900	e15400
8	e6600	e11400	e9800	e15200	e10600	17500	9730	10800	13400	16300	17800	e17400
9	e6000	e12400	e11900	e9700	e10800	13200	7430	15900	15400	16500	18400	e19100
10	e6000	e12700	e12800	e14000	e12400	11900	6410	13500	15700	17000	18900	e16100
11	e6000	e11900	e10100	e12300	e12400	11500	9180	12000	10300	16300	e19000	e12800
12	e10100	e9900	e8600	e13600	e6900	6370	12500	e13500	10300	16400	e18900	e15500
13	e11800	e7500	e16100	e11900	e5800	6050	15900	e12400	14700	16600	e15500	e12800
14	e13900	e6800	e15200	e13200	e8600	8220	15900	11000	14800	15900	e11700	e12900
15	e14500	e14500	e15400	e10000	e9600	11400	12000	7940	16000	7540	e18200	e14000
16	e8900	e13700	e15200	e7800	e16200	13400	8990	11900	14800	6020	e17400	e6700
17	e5200	e12800	e15400	e12000	e15900	12200	8590	12800	15500	5910	e16100	e5900
18	e14900	e12300	e12100	e15000	e14200	11200	13400	13300	10800	15700	e18800	e5900
19	17000	e13800	e8500	e13700	e10700	9150	15200	14000	10900	16500	e19600	e14800
20	15900	e'8600	e13600	e15900	e9400	6360	11500	11600	17700	16500	e15100	e16400
21	11600	e8100	e13300	e14800	e11100	9290	12100	7520	18200	16300	e11600	e16200
22	12300	e11200	e13100	e13100	e14200	12400	11700	5470	17200	16600	e17500	e15500
23	7700	e12000	e15700	e7500	13900	10100	9330	7710	17800	16300	e19100	e15900
24	7710	e10400	e14800	e14500	12300	13300	7500	11200	18100	16700	e18300	16100
25	e11400	e5800	e9800	e13000	12300	17400	8210	14200	18100	16900	e19800	17500
26	e12200	e8600	e7400	e12400	10900	7670	10400	14800	14600	16400	e18900	16500
27	e11200	e8100	e6100	e9400	8460	6960	11600	12400	14200	16300	e14400	15900
28	e11700	e6400	e9500	e9600	13900	6830	11000	9630	20300	16100	e9600	15700
29	e10600	e12900	e11400	e10100	---	10400	11100	6910	17700	7210	e16700	15000
30	e6700	e14000	e13900	e7300	---	13300	11200	8620	16100	5710	e17700	7200
31	e4600	---	e13600	e10600	---	15300	---	10200	---	5580	e18300	---
TOTAL	313570	315040	359000	374300	312860	363920	327640	344110	412450	413740	520100	417400
MEAN	10120	10500	11580	12070	11170	11740	10920	11100	13750	13350	16780	13910
MAX	17000	14500	16100	16800	16200	19200	15900	15900	20300	17000	19800	19100
MIN	4600	5800	5300	7300	5800	6050	6410	5470	5630	5580	9600	5900
ACRE-FT	622000	624900	712100	742400	620600	721800	649900	682500	818100	820700	1032000	827900

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
WY 1990	4474130	12260	20300	4600	8874000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1991 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6050	e8200	e10100	e5900	11100	8500	6800	9710	15200	5840	19200	17000
2	5880	e6900	e8800	e14500	11100	8570	5940	14200	7780	5750	19100	16100
3	8360	e9300	e9100	e15200	11100	11400	9830	10700	5780	17300	15600	10800
4	9320	e7400	e7200	e15200	11100	9890	13600	10200	5770	19100	15500	10700
5	9340	e7700	e12100	e15300	11100	7090	11800	7460	11800	19200	15400	15700
6	9290	e5000	e11700	e15400	11200	11800	12300	6030	10700	19900	15100	16200
7	9210	e8600	e11000	e15400	11200	11900	10300	6000	13200	20100	15600	16400
8	9180	e8700	e11900	e15400	11100	11900	11700	14600	13300	20000	15500	16500
9	8970	e9400	e12200	e16800	11200	12500	9640	16200	16100	19300	15600	14800
10	9030	e11100	e9600	e16900	7240	11500	11600	16200	12700	19200	15800	10600
11	9180	e6500	e7900	e16000	5740	10300	13400	16300	11300	19200	15500	15500
12	9130	e5900	e12400	e15500	5700	7010	13800	16300	17500	19200	15000	15600
13	9150	e5900	e12400	e6900	10300	10800	16400	16200	17500	19000	15100	15300
14	6700	e8500	e12800	e6100	14000	13100	15600	16200	18100	7630	15600	15400
15	5660	e10900	e12700	e6100	13000	11600	12700	16200	17500	5860	16000	15400
16	5330	e10700	e6700	e11700	13000	13500	9440	16200	18100	5740	16000	14300
17	6900	e11500	e5900	e11900	13700	13000	12200	16200	12200	16100	16000	10400
18	8590	e12200	e6000	e12000	13100	11000	10200	16200	13300	17900	16000	15400
19	e8630	e9500	e11400	12400	11800	7630	10800	7190	20400	17900	15600	15600
20	e8770	e6200	e12500	14000	16000	12400	11700	5940	19900	18000	13400	15200
21	e8750	e12300	e12200	9810	17400	11900	7960	5870	20000	18100	15900	15300
22	e8810	e11500	e12100	9470	16500	12100	6720	14700	19500	18100	16000	15700
23	e8680	e13400	e11900	11600	14700	12900	6620	15900	18100	18500	16200	14900
24	e8690	e9300	e12000	12300	14800	12300	9600	15900	15200	18500	16200	11100
25	e8750	e9500	e12000	15400	13000	11800	11700	16000	9720	18700	16200	15700
26	e8850	e8600	e11900	16400	8860	7940	10300	16000	15600	18600	15900	16200
27	e8720	e7400	e11900	7830	12900	13600	12900	16000	18200	18800	11800	16100
28	e6710	e11100	e12000	5770	10700	14600	9670	15900	18000	8440	16600	16000
29	5720	e12200	e11700	5670	---	12800	7520	16000	18000	6450	16900	16200
30	5660	e10400	e6700	9470	---	11400	5960	15900	7770	6450	17000	15600
31	6320	---	e5900	11100	---	8440	---	16000	---	15500	16900	---
TOTAL	248330	275800	324700	373420	332640	345170	318700	418400	438220	478360	492200	445700
MEAN	8011	9193	10470	12050	11880	11130	10620	13500	14610	15430	15880	14860
MAX	9340	13400	12800	16900	17400	14600	16400	16300	20400	20100	19200	17000
MIN	5330	5000	5900	5670	5700	7010	5940	5870	5770	5740	11800	10400
ACRE-FT	492600	547000	644000	740700	659800	684600	632100	829900	869200	948800	976300	884000

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1990	4335350	11880	20300	5000	8599000
WY 1991	4491640	12310	20400	5000	8909000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1992 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11100	10300	11000	12500	e13200	11800	e11100	10400	9150	13800	15900	15000
2	13700	10400	9780	12700	e12600	10800	e11100	10700	8470	14400	15700	e15500
3	10500	10800	10400	11000	e11200	9920	e12200	11500	11200	15600	16100	14500
4	10300	10600	12400	14100	e9630	11100	e12200	10600	12600	15900	12800	e14700
5	9960	9580	12600	14500	e12700	11500	12300	9640	12800	12600	16300	e14000
6	10200	e11000	12500	13100	e13000	11300	12200	11600	12600	11600	16400	e13800
7	8300	e11100	12600	11000	e12900	11300	10600	11700	12500	11900	16500	11700
8	8330	e10900	12600	13900	e12800	11600	12100	11800	11600	15800	16100	10200
9	10100	e10900	11900	14100	e12800	11400	12300	11600	e9730	16000	e16000	11100
10	10000	11000	10800	14000	e11900	10600	12400	11600	11800	16400	16000	13800
11	10200	10100	12400	14600	e10100	12000	12600	e10500	11600	16700	12700	14100
12	10200	9250	12700	14800	e12500	11900	12700	e9990	12300	16300	16400	14400
13	e10000	10600	12600	13700	e12700	11400	12300	11100	12500	16300	16500	14300
14	8540	11100	12700	e11900	e12900	11600	10400	11500	12400	14000	16600	12300
15	8510	11300	12700	e13700	e13000	e11300	12200	11700	11000	15900	16500	10700
16	9690	11300	12200	e13700	e13000	e10700	12400	11400	e9200	15500	16900	14400
17	9970	11500	10800	e14100	e12100	e10000	12400	e11200	11900	15900	16100	14300
18	9860	10700	e12400	e14300	e10700	e11500	12200	e10600	12200	15700	13600	14200
19	10900	9510	e12300	e14200	e13300	e11800	12000	9530	12000	16200	16300	14400
20	9950	11200	e12600	e13600	e13200	e11900	10900	11100	12200	15000	16500	14900
21	8930	11400	e12600	e11500	e12900	e11800	9620	11200	12300	11700	16300	13600
22	8590	11200	e12600	e14600	12900	e11900	11500	11200	11300	15600	16700	11300
23	9550	11200	12500	e14500	12900	e10900	11900	10900	e9300	15700	16000	13100
24	10100	11200	11600	e14400	11900	e10100	11800	10900	12400	15900	16200	13600
25	9850	10500	e13100	e15500	10100	e11400	11900	10100	13000	e16600	13100	13600
26	9970	9680	e12900	e14200	12400	e11600	11600	9500	12800	e15700	15800	13900
27	9760	11100	e10600	e13700	12700	e11700	9850	9680	12900	e14700	15700	13900
28	9680	11200	e12500	e11800	12900	e11400	8400	10800	e12600	e11900	16000	11800
29	8940	11200	12800	e14000	12100	e11200	10200	11700	e13300	15900	15900	10800
30	9420	9770	12200	e13900	---	e10800	10500	11600	11600	e16000	16000	12900
31	9690	---	10900	e13400	---	e10000	---	10400	---	e16200	17900	---
TOTAL	304790	321590	374280	421000	357030	348220	345870	337740	351250	467400	491500	400800
MEAN	9832	10720	12070	13580	12310	11230	11530	10890	11710	15080	15850	13360
MAX	13700	11500	13100	15500	13300	12000	12700	11800	13300	16700	17900	15500
MIN	8300	9250	9780	11000	9630	9920	8400	9500	8470	11600	12700	10200
ACRE-FT	604600	637900	742400	835100	708200	690700	686000	669900	696700	927100	974900	795000

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1991	4643470	12720	20400	5670	9210000
WY 1992	4521470	12350	17900	8300	8968000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1993 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12400	10200	9970	e12300	e14400	14800	11200	12500	9070	12800	16700	15500
2	12400	10100	11300	e12300	e13700	14500	10900	12200	9060	12900	16100	14800
3	10300	9530	12300	e13300	e13900	13400	11500	11000	10600	15300	15000	14000
4	9890	11200	12500	e16100	e13400	11900	11700	9640	11000	15300	16700	13200
5	9130	11400	12400	e16500	13500	11800	11000	12100	10500	13800	17000	12900
6	8480	10800	12800	e16300	13400	11800	9890	12600	11100	11500	17000	11900
7	9760	10900	12000	e15200	13700	11400	12000	12600	8970	11900	16900	10400
8	10100	10900	11800	e15300	13000	11200	11800	12400	8260	15300	17100	10800
9	9290	10600	13900	e16400	12600	10100	11600	12900	10400	15300	17100	12600
10	10200	9390	13300	e17000	13400	11100	11400	10600	10300	15500	15800	12500
11	9820	10700	13100	e15400	13600	11200	10900	9490	10800	15600	17300	12500
12	8780	10900	13100	e16400	13600	11100	9870	11900	11500	15500	e16500	12500
13	8610	10900	12800	e26700	13800	11600	9370	12600	11600	13200	e17000	11400
14	8720	11200	12300	e30000	14400	12200	12100	12500	10300	15700	e16700	9330
15	9950	11300	11500	e24600	14400	12000	12700	12800	9060	16000	e17000	12000
16	10200	10700	12900	e19700	12500	11300	12800	12600	10600	15800	e16600	12500
17	10200	9710	e12800	e17200	13500	12100	12400	10800	11500	15500	e16300	13200
18	9870	11000	e12800	e16400	12900	12700	13000	9550	12000	15600	e17000	12600
19	8580	11000	e12400	e15200	13700	12500	12300	11800	12400	15100	e16000	12500
20	8330	11000	e12000	e18700	14800	12300	11900	12200	12400	13300	e15500	11300
21	9550	11300	e11400	e19100	18000	12600	12700	11700	11400	16000	e15400	9450
22	9930	11400	e10800	e24200	17700	12500	13000	11600	11100	16200	e14700	11900
23	10100	10800	e11800	e25900	17500	11300	12700	11100	11300	16100	e14200	12200
24	10200	9490	e11800	e22300	25600	12700	12400	10500	11800	16100	e13200	12400
25	10600	11200	e11500	e18000	25800	12400	12700	10800	12400	16100	e14200	12300
26	9480	11300	e11400	e15700	20800	12100	11200	11900	11800	15100	e14400	12300
27	9490	11500	e10900	e16600	17500	12200	10200	9620	11700	13900	e14400	10700
28	9650	9980	e11300	e16200	16000	12200	12200	11100	11500	16100	e14400	9130
29	9140	11200	e10800	e15300	---	11700	12400	10700	10900	16600	e14300	11600
30	9180	10900	e11500	e15100	---	10600	12100	10300	12300	16700	e14100	11900
31	9470	---	e11600	e15300	---	11100	---	9260	---	16700	e11900	---
TOTAL	301800	322500	372770	554700	431100	372400	351930	353360	327620	466500	486500	362310
MEAN	9735	10750	12020	17890	15400	12010	11730	11400	10920	15050	15690	12080
MAX	12400	11500	13900	30000	25800	14800	13000	12900	12400	16700	17300	15500
MIN	8330	9390	9970	12300	12500	10100	9370	9260	8260	11500	11900	9130
ACRE-FT	598600	639700	739400	1100000	855100	738700	698100	700900	649800	925300	965000	718600

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1992	4517880	12340	17900	8330	8961000
WY 1993	4703490	12890	30000	8260	9329000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1994 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11800	9410	e10600	13300	11500	10400	10500	11600	e8830	13300	14100	14900
2	11700	8020	e11100	11900	15400	13300	10700	10200	e10400	14600	12500	14900
3	10400	10400	e12400	12900	13400	10900	10400	8580	e10800	15100	15600	12600
4	8810	12900	e14000	11300	13300	10900	9470	10400	11100	13700	15700	13000
5	8340	13300	e14100	14600	13800	11000	9070	10800	10700	11700	15800	11400
6	9500	12700	e12900	14300	13800	10700	10300	11400	8920	11300	15700	10300
7	10400	12700	e12300	e14800	12300	10500	11200	11500	8410	15300	15900	11100
8	11800	e10600	e14300	e14900	11000	9450	11300	11400	10100	15100	13700	12900
9	11400	e9370	e13900	e15200	14100	10500	11400	9710	10500	15000	13200	12400
10	10300	e12300	e14300	13200	14500	10600	11600	8780	10900	14900	15500	12500
11	10500	e13100	e14000	11600	14300	10800	11000	10700	11100	13500	16200	12600
12	9200	e12300	e13600	e15300	14100	11300	9930	e11300	11000	11800	16100	10600
13	9630	e12200	e12300	15200	14000	11300	11400	e11300	10500	15500	15600	9650
14	9960	e11900	e11600	15200	12200	10900	11600	e11500	9870	15700	16100	11400
15	10000	e10500	e14000	15600	10600	10500	11500	e11700	12000	15200	13500	11700
16	9880	e9800	e14500	15200	13600	11200	11600	e11100	12100	15400	12200	11800
17	9650	e10900	e14800	13000	14100	11200	12300	e11600	11900	15800	16200	11600
18	8820	e11400	e15100	11100	14100	11300	11200	e11200	11900	13800	16000	11700
19	8480	e11700	e14700	14200	13500	11300	10400	e11500	11800	13200	17000	10100
20	9550	e11300	e13900	14500	13900	11400	12700	e11800	10300	15300	16400	9380
21	9690	e11500	e14900	14900	12700	11600	13200	e11800	9530	15100	15300	11600
22	9480	e10000	e14100	14600	10400	10700	13100	e11300	12300	15000	13500	11900
23	9580	e9170	e14300	13200	13400	12000	12400	e9350	12800	15500	13100	12000
24	10000	e10400	e14500	11200	13900	13500	12000	e8370	12000	15100	14500	11500
25	8900	e11100	e14400	10300	13700	13400	10500	e11100	11900	13300	14400	11700
26	8470	e10900	13200	12800	13700	12800	9650	e11500	12100	11700	14800	10000
27	9720	e9500	11800	13600	13500	12200	11800	e10800	10800	15100	14900	9160
28	9940	e10800	12300	14000	11900	11100	12100	e10400	10400	15600	14900	11500
29	9350	e10600	14200	14200	---	10000	12000	e10300	11500	15800	12900	11500
30	9210	e9430	13700	13900	---	11400	12000	e9460	12200	16300	11600	11700
31	9260	---	12600	12000	---	11100	---	e8860	---	15800	15000	---
TOTAL	303720	330200	418400	422000	370700	349250	338320	331310	328660	449500	457900	349090
MEAN	9797	11010	13500	13610	13240	11270	11280	10690	10960	14500	14770	11640
MAX	11800	13300	15100	15600	15400	13500	13200	11800	12800	16300	17000	14900
MIN	8340	8020	10600	10300	10400	9450	9070	8370	8410	11300	11600	9160
ACRE-FT	602400	655000	829900	837000	735300	692700	671100	657200	651900	891600	908200	692400

e Estimated.

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1993	4758740	13040	30000	8020	9439000
WY 1994	4449050	12190	17000	8020	8825000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Discharge, in cubic feet per second, water year 1995 Daily mean values												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11500	8690	9660	12600	11400	16400	11300	11700	10900	16700	19900	18600
2	11400	8600	10000	11400	13200	16100	11000	11000	15100	16800	19600	18700
3	8930	8830	11200	9840	12500	13300	9760	12500	18200	16700	19600	19200
4	8740	8640	12300	9860	11300	13000	9560	12800	17700	16100	19700	18000
5	8950	8840	11300	13200	11400	13100	11400	12600	16500	17700	19900	18000
6	9270	9460	10300	13600	10600	17600	11500	12500	16600	16400	20200	17800
7	8980	8570	13000	14300	10300	15000	12000	12500	17700	17600	20200	19200
8	8800	8420	13200	15300	11800	14200	11900	10900	17900	18100	20300	19100
9	9200	9450	11800	13800	11900	12800	11700	9820	17800	18200	20200	20000
10	8660	9310	11900	13100	11900	15100	9690	12100	18200	17800	20000	20500
11	8700	9040	12600	14700	12100	17300	9350	12100	17800	17300	19800	19500
12	9990	9230	12000	14900	12600	15200	12000	12300	16500	18100	19700	18900
13	10200	9720	11000	14600	12500	12000	12000	12300	16400	18700	19500	19300
14	9490	8330	13200	14500	11700	11400	12600	12600	17500	19900	19300	19000
15	10000	8060	13100	13900	15200	12300	12600	10100	17700	18900	19700	19100
16	9840	9470	12600	12600	15800	13000	12800	10100	18000	18500	19600	19100
17	8520	9620	12500	11600	14900	13300	10900	12200	17800	18300	19500	18600
18	8120	9840	12300	12800	15600	12900	9520	12600	17600	18600	19500	19000
19	9200	10100	11200	13200	17300	13000	12300	12200	16900	19500	19500	18400
20	10300	9500	10300	13900	18400	11100	12500	12800	16900	19400	19200	18900
21	10600	8890	12000	13300	15700	11500	12700	12600	17700	19200	19900	19000
22	9640	8710	12700	13300	15600	12300	12500	10100	17900	18700	19300	19600
23	8800	9310	11400	13100	15500	12500	12500	9580	17900	18500	19100	19200
24	8630	9470	11800	12700	15200	12400	10500	11900	17800	18700	18800	19400
25	8490	9600	11800	13800	14500	12100	9470	11300	18100	18100	18700	19400
26	9220	8620	11200	14000	14400	11500	12000	11500	18000	19400	19200	18900
27	8220	9230	9740	14300	14000	11000	12800	11100	18200	19400	18500	19200
28	7980	9080	9810	14400	13600	10300	12800	10900	18000	19400	17600	19400
29	8290	8720	11600	13900	---	11700	12600	9570	17800	19700	16200	19600
30	8430	9750	11900	12400	---	11700	12600	9260	17200	20000	18700	19300
31	8220	---	11300	10600	---	11400	---	9200	---	19900	18700	---
TOTAL	285310	273100	360710	409500	380900	406500	346850	354730	518300	570300	599600	571900
MEAN	9204	9103	11640	13210	13600	13110	11560	11440	17280	18400	19340	19060
MAX	11500	10100	13200	15300	18400	17600	12800	12800	18200	20000	20300	20500
MIN	7980	8060	9660	9840	10300	10300	9350	9200	10900	16100	16200	17800
ACRE-FT	565900	541700	715500	812200	755500	806300	688000	703600	1028000	1131000	1189000	1134000

	TOTAL	MEAN	MAXIMUM	MINIMUM	ACRE-FEET
CY 1994	4315850	11820	17000	7980	8560000
WY 1995	5077700	13910	20500	7980	10070000

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990-93—Continued

PHYSICAL-PROPERTY AND CHEMICAL RECORDS

PERIOD OF RECORD—June 1983 to December 1983, September 1985 to February 1985, and September 1989 to April 1993.

PERIOD OF DAILY RECORD—

WATER TEMPERATURE: August 1990 to April 1993.

SPECIFIC CONDUCTANCE: August 1990 to April 1993.

pH: August 1990 to April 1993.

DISSOLVED-OXYGEN CONCENTRATION: August 1990 to April 1993.

SUSPENDED-SEDIMENT DISCHARGE: June 1983 to December 1983, and September 1985 to February 1986.

INSTRUMENTATION—Water-temperature, specific-conductance, pH, dissolved-oxygen recorder from August 1990 to April 1993.

TEMPERATURE: Record good and within 0.5°C, except for May 24, 1991, to September 26, 1991, which is fair and within 1.0°C.

SPECIFIC CONDUCTANCE: Record good and within 5 percent, except for July 15, 1991, to August 24, 1991, which is fair and within 10 percent.

pH: Record good and within 0.2 units. No record available water year 1990.

DISSOLVED-OXYGEN CONCENTRATION: Record good and within 0.5 mg/L, except for August 24, 1991, to September 26, 1991, which is fair and within 1.0 mg/L and February 28, 1991, to April 8, 1991, which is poor and could exceed 1.0 mg/L. No record available water year 1990.

WATER TEMPERATURE: Maximum, 18.6°C July 17–18, 1991; minimum, 5.3°C , December 26–28, 1990.

SPECIFIC CONDUCTANCE: Maximum, 1,190 µS/cm, November 10, 1990; minimum, 693 µS/cm, January 14, 1993.

pH: Maximum, 8.6 units, March 6–9, 1992; minimum, 8.1 units, February 20–23, 1991, and November 1–7, 1991.

DISSOLVED-OXYGEN CONCENTRATION: Maximum, 12.3 mg/L, January 26, 1991; minimum, 8.5 mg/L, July 6, 1992.

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Water temperature, in degrees Celsius, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	14.6	13.9	14.3
2	---	---	---	---	---	---	---	---	---	14.3	13.7	14.0
3	---	---	---	---	---	---	---	---	---	14.1	13.5	13.8
4	---	---	---	---	---	---	---	---	---	14.2	13.5	13.8
5	---	---	---	---	---	---	---	---	---	15.8	14.0	15.1
6	---	---	---	---	---	---	---	---	---	15.8	14.7	15.2
7	---	---	---	---	---	---	---	---	---	15.7	15.0	15.3
8	---	---	---	---	---	---	---	---	---	15.6	14.6	14.9
9	---	---	---	---	---	---	---	---	---	14.7	14.1	14.3
10	---	---	---	---	---	---	---	---	---	14.2	13.9	14.0
11	---	---	---	---	---	---	---	---	---	14.6	13.8	14.2
12	---	---	---	---	---	---	---	---	---	14.6	13.8	14.2
13	---	---	---	---	---	---	---	---	---	14.6	14.2	14.4
14	---	---	---	---	---	---	---	---	---	14.6	14.3	14.5
15	---	---	---	---	---	---	---	---	---	14.8	14.5	14.6
16	---	---	---	---	---	---	---	---	---	15.4	14.5	14.9
17	---	---	---	---	---	---	---	---	---	15.7	15.3	15.5
18	---	---	---	---	---	---	---	---	---	15.8	15.6	15.7
19	---	---	---	---	---	---	---	---	---	15.7	15.1	15.5
20	---	---	---	---	---	---	---	---	---	15.6	14.7	15.2
21	---	---	---	---	---	---	---	---	---	14.7	13.3	13.7
22	---	---	---	---	---	---	---	---	---	13.8	13.2	13.5
23	---	---	---	---	---	---	---	---	---	13.3	12.9	13.1
24	---	---	---	---	---	--- E	---	---	---	13.7	12.8	13.3
25	---	---	---	---	---	---	---	---	---	13.7	13.2	13.5
26	---	---	---	---	---	---	---	---	---	13.7	13.0	13.3
27	---	---	---	---	---	---	---	---	---	13.6	12.7	13.1
28	---	---	---	---	---	---	---	---	---	13.4	12.5	12.9
29	---	---	---	---	---	---	15.3	14.7	14.9	13.0	12.6	12.8
30	---	---	---	---	---	---	15.4	14.8	15.0	13.2	12.4	12.8
31	---	---	---	---	---	---	14.9	14.2	14.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	15.8	12.4	14.2

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.6	12.9	13.3	12.3	11.8	12.0	8.7	8.3	8.5	5.9	5.7	5.8
2	14.1	13.2	13.7	12.0	11.7	11.8	8.6	8.3	8.5	6.2	5.7	5.9
3	14.5	13.8	14.2	11.7	11.2	11.4	8.5	8.0	8.2	6.4	6.1	6.2
4	14.4	14.1	14.2	11.3	10.7	11.0	8.4	7.9	8.1	7.4	6.4	6.9
5	14.8	13.8	14.4	10.9	10.4	10.7	8.3	7.8	8.1	8.1	7.4	7.8
6	---	---	---	10.7	10.1	10.3	8.4	8.0	8.2	8.5	8.1	8.3
7	14.4	14.0	14.2	10.3	9.8	10.0	8.4	8.0	8.2	9.1	8.4	8.7
8	---	---	---	10.4	9.7	10.0	8.4	7.9	8.2	9.3	9.0	9.1
9	---	---	---	10.6	10.1	10.4	8.6	8.0	8.3	9.4	9.2	9.3
10	13.0	12.0	12.7	10.5	10.0	10.3	8.6	8.2	8.4	9.4	9.0	9.2
11	12.8	12.4	12.6	10.2	9.8	10.0	8.5	8.3	8.4	9.0	8.0	8.4
12	12.7	12.3	12.5	10.6	10.1	10.3	8.8	8.3	8.6	8.5	8.2	8.3
13	12.6	12.1	12.4	10.7	10.2	10.4	9.3	8.8	9.1	8.6	8.3	8.4
14	12.6	11.7	12.2	10.9	10.3	10.5	9.4	9.0	9.2	8.4	8.0	8.3
15	12.8	12.0	12.5	11.0	10.4	10.6	9.3	8.9	9.1	8.3	7.9	8.1
16	12.8	12.3	12.6	11.1	10.8	11.0	9.3	9.2	9.3	8.2	7.8	8.0
17	13.4	12.6	13.0	11.1	10.9	11.0	9.6	9.3	9.4	7.9	7.6	7.7
18	13.1	12.8	13.0	11.1	10.7	10.9	9.3	8.7	9.0	8.0	7.7	7.8
19	13.6	12.9	13.3	11.0	10.8	10.9	8.7	8.4	8.6	8.0	7.7	7.9
20	13.5	12.8	13.0	11.0	10.9	10.9	8.5	7.8	8.2	8.1	7.6	7.8
21	12.8	12.1	12.4	11.3	10.8	11.0	8.0	7.4	7.6	8.0	7.6	7.8
22	12.1	11.5	11.9	10.9	10.6	10.7	7.6	6.8	7.2	8.0	7.5	7.7
23	12.0	11.5	11.8	10.7	10.2	10.4	6.8	6.0	6.3	7.7	7.5	7.6
24	11.8	11.2	11.5	10.2	9.8	10.1	6.1	5.7	5.9	7.6	7.3	7.5
25	11.8	11.1	11.5	10.2	9.7	9.9	5.9	5.5	5.7	7.7	7.0	7.4
26	11.7	11.1	11.4	10.0	9.5	9.8	5.7	5.3	5.5	7.6	7.3	7.4
27	11.7	11.1	11.4	9.6	9.2	9.4	5.7	5.3	5.5	7.9	7.5	7.6
28	11.9	11.2	11.6	9.3	8.7	8.9	5.9	5.3	5.6	7.8	7.4	7.6
29	11.9	11.6	11.8	8.9	8.6	8.7	6.4	5.9	6.0	7.6	7.1	7.4
30	12.2	11.7	11.9	8.7	8.2	8.4	6.4	5.9	6.1	7.2	7.0	7.1
31	12.3	11.8	12.0	---	---	---	6.1	5.7	5.9	7.4	6.8	7.1
MONTH	---	---	---	12.3	8.2	10.4	9.6	5.3	7.7	9.4	5.7	7.7

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	7.2	7.0	7.1	9.9	9.6	9.8	11.2	10.6	10.9	14.0	13.5	13.8
2	7.5	6.9	7.1	10.3	9.6	9.9	11.6	11.0	11.3	13.7	13.0	13.3
3	7.6	7.3	7.5	10.3	9.8	10.1	12.2	11.5	11.9	13.4	13.1	13.2
4	7.9	7.4	7.6	10.2	10.0	10.1	12.7	12.0	12.3	13.6	12.8	13.2
5	8.1	7.7	7.8	10.2	10.0	10.1	12.9	12.3	12.6	13.5	13.0	13.3
6	8.4	8.0	8.2	10.6	10.0	10.3	12.7	12.4	12.6	14.1	13.3	13.7
7	8.4	8.1	8.2	10.3	9.9	10.1	13.0	12.3	12.6	14.8	14.1	14.4
8	8.7	8.2	8.4	10.3	10.1	10.2	13.0	12.7	12.9	15.0	14.7	14.9
9	8.7	8.5	8.6	10.1	9.7	9.9	13.5	12.8	13.1	15.0	14.4	14.6
10	9.0	8.5	8.7	10.0	9.8	9.9	13.5	12.9	13.2	14.4	13.2	13.7
11	9.0	8.6	8.8	9.8	9.6	9.7	12.9	12.3	12.5	13.2	12.6	13.0
12	9.3	8.8	9.0	9.9	9.5	9.7	12.5	11.5	11.9	13.1	12.7	12.9
13	9.5	9.0	9.2	9.9	9.4	9.6	11.9	11.0	11.4	13.0	12.7	12.8
14	9.7	9.2	9.5	9.8	9.6	9.7	11.3	10.9	11.1	12.8	12.3	12.5
15	9.7	9.2	9.4	9.9	9.7	9.8	11.4	11.0	11.2	13.2	12.2	12.7
16	9.5	9.2	9.3	9.8	9.5	9.6	12.1	11.0	11.5	13.6	12.9	13.2
17	9.7	9.1	9.4	10.0	9.3	9.6	12.3	11.7	12.0	13.7	13.1	13.5
18	9.5	8.9	9.2	10.1	9.5	9.8	12.9	12.2	12.6	13.7	13.1	13.4
19	9.3	8.9	9.1	10.1	9.7	9.8	13.3	12.7	13.0	14.1	13.0	13.6
20	9.4	8.8	9.1	9.9	9.7	9.8	13.5	12.9	13.2	15.1	14.0	14.5
21	9.2	8.7	8.9	10.1	9.9	10.0	13.8	13.0	13.4	15.6	15.0	15.2
22	8.9	8.7	8.8	10.3	10.0	10.2	14.1	13.5	13.8	15.7	15.3	15.4
23	9.5	8.8	9.1	10.4	9.8	10.1	14.4	13.8	14.1	15.5	15.0	15.3
24	9.5	9.0	9.3	10.4	10.0	10.2	14.8	14.3	14.5	15.2	14.1	14.5
25	9.6	9.2	9.4	10.6	10.1	10.3	14.7	14.3	14.5	14.1	13.8	13.9
26	9.7	9.1	9.4	10.5	10.2	10.3	14.5	14.1	14.3	14.3	13.8	14.0
27	9.7	9.2	9.4	10.2	10.0	10.1	14.2	13.3	13.7	14.3	13.8	14.1
28	9.9	9.7	9.8	10.6	9.9	10.2	13.3	12.8	13.1	14.3	13.9	14.1
29	---	---	---	10.5	10.0	10.3	13.4	12.7	13.1	14.4	14.0	14.2
30	---	---	---	10.6	9.9	10.2	13.7	12.9	13.3	14.6	14.0	14.3
31	---	---	---	10.8	10.1	10.5	---	---	---	14.6	13.4	13.9
MONTH	9.9	6.9	8.8	10.8	9.3	10.0	14.8	10.6	12.7	15.7	12.2	13.8

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1991												
Day	June			July			August			September		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.6	13.3	13.5	16.4	15.4	15.9	18.0	17.4	17.8	14.8	14.2	14.5
2	14.2	13.4	13.8	17.3	16.3	16.8	17.4	14.9	16.0	15.4	14.7	14.9
3	15.3	14.0	14.6	17.9	17.1	17.4	15.7	14.6	15.1	15.4	14.8	15.1
4	15.9	15.0	15.5	17.9	16.7	17.2	16.0	15.1	15.5	15.7	15.2	15.4
5	16.4	15.8	16.0	---	---	---	16.0	15.5	15.7	16.0	15.3	15.6
6	17.0	16.1	16.7	---	---	---	16.1	15.4	15.7	15.9	15.4	15.6
7	17.0	16.3	16.5	---	---	---	16.0	15.4	15.6	15.7	15.0	15.3
8	16.4	16.1	16.2	15.6	14.9	15.2	---	---	---	15.1	14.3	14.6
9	16.1	15.6	15.8	---	---	---	15.6	15.0	15.3	15.1	14.5	14.8
10	15.7	15.4	15.6	---	---	---	15.6	15.4	15.5	15.7	14.6	15.1
11	15.9	15.3	15.7	15.3	14.2	14.7	15.5	14.9	15.2	15.6	14.8	15.3
12	15.8	15.4	15.6	14.8	14.2	14.5	---	---	---	---	---	---
13	15.9	15.2	15.5	---	---	---	---	---	---	---	---	---
14	15.3	14.8	15.0	---	---	---	---	---	---	---	---	---
15	15.0	14.6	14.9	17.2	16.1	16.7	---	---	---	---	---	---
16	15.0	14.7	14.9	18.1	17.0	17.6	---	---	---	---	---	---
17	15.4	14.5	15.0	18.6	17.8	18.2	---	---	---	---	---	---
18	15.5	14.8	15.1	18.6	17.2	18.0	---	---	---	14.7	14.2	14.4
19	15.5	14.6	15.1	17.2	15.3	16.0	---	---	---	---	---	---
20	15.3	14.3	14.5	15.3	14.6	14.8	---	---	---	---	---	---
21	14.4	13.6	14.0	15.1	14.6	14.8	---	---	---	---	---	---
22	14.3	13.8	14.0	15.0	14.6	14.8	---	---	---	---	---	---
23	14.4	14.2	14.3	14.8	14.0	14.4	---	---	---	---	---	---
24	14.7	14.1	14.5	14.8	14.3	14.5	---	---	---	---	---	---
25	15.5	14.1	14.8	15.2	14.5	14.8	15.8	15.4	15.5	---	---	---
26	15.5	15.1	15.2	15.3	15.1	15.2	15.7	14.9	15.4	---	---	---
27	15.1	14.3	14.6	15.3	14.7	15.0	16.3	15.6	15.9	14.3	13.6	13.8
28	14.3	13.7	14.0	16.0	14.9	15.5	16.5	16.2	16.4	13.8	13.4	13.6
29	14.5	14.0	14.2	17.1	16.0	16.7	16.6	16.2	16.4	14.0	13.5	13.7
30	15.4	14.1	14.8	17.3	17.0	17.2	16.2	15.4	15.7	14.0	13.4	13.8
31	---	---	---	18.0	17.3	17.7	15.4	14.4	14.9	---	---	---
MONTH	17.0	13.3	15.0	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	14.2	13.7	14.0	10.4	10.1	10.2	9.3	8.9	9.1	10.1	9.6	9.8
2	14.2	13.7	14.0	10.2	9.8	10.0	9.0	8.6	8.8	9.9	9.5	9.6
3	14.5	13.9	14.2	10.1	9.8	9.9	9.0	8.6	8.8	9.6	9.2	9.4
4	14.3	13.9	14.1	10.2	9.8	10.0	8.8	8.4	8.6	9.3	9.1	9.2
5	14.3	13.9	14.1	11.0	10.2	10.6	8.5	8.2	8.3	9.3	9.0	9.2
6	14.4	13.9	14.1	11.2	10.7	10.9	9.3	8.3	8.7	9.4	9.3	9.4
7	14.5	13.9	14.2	11.5	11.0	11.2	9.9	9.0	9.4	9.4	9.2	9.3
8	14.6	14.0	14.3	11.6	11.3	11.4	10.2	9.6	9.9	9.4	9.2	9.3
9	14.4	13.9	14.2	12.0	11.5	11.7	10.1	9.6	9.8	9.3	8.9	9.1
10	14.5	13.9	14.2	12.5	12.0	12.3	9.9	9.5	9.6	9.1	8.9	9.0
11	14.3	13.9	14.1	12.6	12.3	12.4	10.7	9.9	10.2	9.2	8.8	9.0
12	14.4	14.0	14.2	12.6	12.3	12.4	10.9	10.5	10.8	8.9	8.4	8.7
13	14.6	14.2	14.3	12.3	12.1	12.2	10.9	10.4	10.6	8.4	8.1	8.3
14	14.5	14.1	14.3	12.1	11.8	12.0	10.5	10.1	10.3	8.4	8.0	8.2
15	14.4	13.8	14.1	11.9	11.6	11.8	10.2	9.7	10.0	8.3	7.9	8.1
16	14.3	13.6	14.0	11.6	11.4	11.5	10.1	9.7	9.9	8.4	7.8	8.1
17	14.1	13.6	13.9	11.5	11.1	11.2	10.3	9.8	10.0	8.3	8.0	8.2
18	14.2	13.7	13.9	11.1	10.9	11.0	10.3	10.0	10.1	8.3	8.0	8.2
19	13.9	13.5	13.7	11.0	10.7	10.8	10.0	9.7	9.8	8.4	8.0	8.2
20	13.7	13.3	13.5	10.8	10.4	10.6	9.8	9.5	9.7	8.2	8.0	8.2
21	13.6	13.2	13.4	10.5	10.4	10.4	10.2	9.5	9.8	8.3	7.9	8.1
22	13.7	13.2	13.4	10.4	10.1	10.2	10.8	10.2	10.5	8.4	7.8	8.1
23	13.8	13.3	13.6	10.2	9.5	9.8	10.7	10.3	10.5	8.4	7.9	8.2
24	13.6	13.3	13.4	9.6	9.2	9.3	10.7	10.5	10.6	---	---	---
25	13.4	13.1	13.3	9.3	9.0	9.1	10.6	10.1	10.3	---	---	---
26	13.2	12.9	13.0	9.2	9.0	9.1	10.1	9.5	9.7	9.1	8.7	8.9
27	12.9	12.7	12.8	9.7	9.1	9.4	9.5	9.3	9.4	9.3	8.8	9.0
28	12.7	12.0	12.3	9.7	9.5	9.6	9.5	9.1	9.2	9.3	8.8	9.1
29	12.0	11.2	11.6	9.6	9.3	9.4	9.7	9.3	9.5	9.3	8.8	9.1
30	11.2	10.9	11.1	9.4	9.3	9.3	9.9	9.6	9.7	9.3	8.7	9.1
31	10.9	10.2	10.4	---	---	---	10.1	9.8	9.9	9.2	8.7	9.0
MONTH	14.6	10.2	13.5	12.6	9.0	10.7	10.9	8.2	9.7	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	9.3	8.7	9.0	9.8	9.3	9.6	11.1	10.7	10.9	16.1	15.5	15.9
2	9.3	8.8	9.1	---	---	---	11.4	10.6	11.0	16.1	15.6	15.9
3	9.4	8.9	9.2	---	---	---	---	---	---	15.8	15.4	15.6
4	9.4	8.5	9.0	---	---	---	---	---	---	15.7	15.4	15.5
5	8.7	8.3	8.5	---	---	---	12.9	11.4	12.2	15.5	15.3	15.4
6	8.7	8.4	8.6	10.2	9.8	10.0	---	---	---	15.3	14.9	15.1
7	8.9	8.6	8.8	10.2	9.9	10.0	13.7	12.9	13.4	15.0	14.9	14.9
8	9.1	8.7	8.9	10.0	9.5	9.7	---	---	---	14.9	14.7	14.8
9	9.4	9.0	9.2	10.1	9.6	9.7	---	---	---	14.9	14.5	14.7
10	9.2	8.9	9.1	10.1	9.7	9.9	---	---	---	15.0	14.5	14.7
11	9.3	8.8	9.0	10.1	9.7	9.9	---	---	---	15.4	14.6	15.0
12	9.3	9.0	9.2	9.9	9.5	9.7	---	---	---	16.1	15.0	15.5
13	9.3	9.2	9.3	10.0	9.7	9.8	---	---	---	16.0	15.7	15.9
14	9.5	9.0	9.3	10.4	9.9	10.1	---	---	---	16.2	15.6	15.9
15	9.3	8.8	9.0	10.7	10.3	10.5	---	---	---	16.1	15.7	15.9
16	9.1	8.8	9.0	10.8	10.6	10.7	---	---	---	15.7	15.4	15.6
17	9.2	8.8	9.0	11.0	10.5	10.7	---	---	---	16.0	15.3	15.7
18	9.0	8.7	8.9	10.9	10.5	10.7	---	---	---	16.2	15.5	15.8
19	9.0	8.5	8.7	10.8	10.4	10.7	---	---	---	15.9	15.5	15.8
20	8.8	8.4	8.6	10.7	10.4	10.6	---	---	---	15.5	15.0	15.3
21	8.9	8.3	8.7	---	---	---	14.1	13.6	13.9	15.0	14.7	14.9
22	9.0	8.5	8.8	---	---	---	14.1	13.6	13.8	15.0	14.7	14.9
23	9.2	8.6	9.0	10.3	9.8	10.1	14.1	13.6	13.8	14.7	14.4	14.6
24	9.3	8.7	9.1	10.4	9.9	10.1	14.2	13.9	14.1	14.8	14.5	14.7
25	9.4	9.0	9.2	10.5	10.2	10.4	14.4	14.0	14.2	14.9	14.5	14.7
26	9.5	9.1	9.4	10.7	10.4	10.6	14.7	14.0	14.4	15.1	14.4	14.7
27	9.5	9.0	9.3	10.7	10.4	10.5	15.1	14.5	14.8	15.5	14.8	15.2
28	9.6	9.0	9.4	10.9	10.5	10.7	15.6	14.8	15.2	15.5	15.2	15.4
29	9.7	9.1	9.5	11.1	10.7	10.9	15.8	15.1	15.5	15.8	15.4	15.6
30	---	---	---	11.1	10.9	11.0	15.9	15.2	15.6	15.8	15.4	15.5
31	---	---	---	11.2	10.9	11.0	---	---	---	16.0	15.2	15.5
MONTH	9.7	8.3	9.0	---	---	---	---	---	---	16.2	14.4	15.3

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1992												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	16.0	15.3	15.6	16.7	15.9	16.2	15.8	15.1	15.4	15.7	14.6	15.0
2	16.5	15.4	15.9	16.6	16.0	16.3	15.8	15.0	15.4	15.1	14.7	15.0
3	16.8	15.9	16.4	16.3	15.9	16.1	15.6	15.0	15.3	14.9	13.8	14.4
4	17.4	16.5	16.9	16.1	15.7	15.9	15.8	15.1	15.4	14.1	13.4	13.8
5	17.4	16.7	16.9	16.2	15.6	15.9	15.8	15.3	15.5	14.4	13.3	13.7
6	16.8	16.1	16.4	16.7	15.8	16.2	15.5	15.2	15.3	14.4	13.6	13.9
7	16.4	15.7	16.0	16.8	16.5	16.7	15.4	14.7	15.1	14.9	13.8	14.2
8	16.7	16.0	16.3	16.7	15.9	16.3	15.1	14.4	14.7	15.0	13.6	14.3
9	16.5	15.9	16.2	16.5	15.9	16.2	---	---	---	---	---	---
10	16.7	16.2	16.5	16.1	15.4	15.7	15.6	15.2	15.4	---	---	---
11	16.7	16.1	16.4	16.0	15.0	15.5	15.8	14.9	15.3	---	---	---
12	16.7	16.2	16.4	15.3	14.9	15.1	16.2	14.8	15.4	---	---	---
13	16.4	15.7	15.9	15.6	14.8	15.2	16.2	15.2	15.7	---	---	---
14	15.9	15.3	15.7	16.2	15.4	15.7	15.8	15.0	15.4	---	---	---
15	16.0	15.2	15.6	16.2	15.6	15.8	15.7	14.8	15.2	---	---	---
16	16.4	15.4	16.0	15.9	15.5	15.7	15.6	14.9	15.3	---	---	---
17	16.5	15.9	16.2	15.7	15.3	15.5	15.5	14.9	15.2	---	---	---
18	16.4	15.9	16.2	15.9	15.0	15.4	15.5	15.0	15.2	---	---	---
19	16.5	16.0	16.3	15.8	15.3	15.5	15.5	14.5	14.9	---	---	---
20	16.5	16.0	16.3	15.9	15.3	15.5	14.9	14.5	14.7	---	---	---
21	16.6	15.9	16.3	16.3	15.6	16.0	15.1	14.2	14.5	---	---	---
22	16.6	16.2	16.4	16.3	15.8	16.0	15.5	15.0	15.2	---	---	---
23	16.8	16.0	16.4	16.7	16.2	16.4	15.4	14.7	15.0	---	---	---
24	16.9	16.3	16.6	16.7	16.3	16.5	15.2	14.2	14.6	---	---	---
25	16.8	16.3	16.6	16.6	15.9	16.3	15.1	13.8	14.1	---	---	---
26	16.8	16.0	16.5	15.9	15.2	15.6	14.7	13.9	14.3	---	---	---
27	16.6	15.9	16.3	16.4	15.7	16.1	15.4	13.7	14.4	---	---	---
28	16.6	15.8	16.3	16.4	15.8	16.0	15.5	14.6	15.1	---	---	---
29	17.2	16.4	16.7	16.5	15.7	16.0	15.4	14.4	14.8	---	---	---
30	16.9	16.2	16.6	16.5	16.1	16.3	14.7	14.2	14.5	---	---	---
31	---	---	---	16.4	15.4	16.0	15.4	14.5	15.0	---	---	---
MONTH	17.4	15.2	16.3	16.8	14.8	15.9	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	13.1	12.5	12.8	---	---	---	9.2	8.8	9.0
2	---	---	---	---	---	---	---	---	---	9.4	9.2	9.3
3	---	---	---	---	---	---	---	---	---	9.3	8.7	8.9
4	---	---	---	---	---	---	---	---	---	8.7	8.0	8.4
5	---	---	---	---	---	---	9.6	9.3	9.4	8.0	7.5	7.7
6	---	---	---	---	---	---	10.0	9.0	9.4	7.7	7.0	7.3
7	---	---	---	---	---	---	---	---	---	7.4	7.1	7.2
8	---	---	---	---	---	---	---	---	---	8.1	7.4	7.9
9	13.2	12.8	13.1	10.8	10.3	10.5	---	---	---	8.9	8.1	8.4
10	13.4	12.5	13.0	---	---	---	---	---	---	9.1	8.9	9.0
11	12.7	12.4	12.5	---	---	---	---	---	---	9.1	8.5	8.8
12	12.7	12.2	12.5	---	---	---	---	---	---	8.9	8.7	8.8
13	13.0	11.7	12.5	---	---	---	---	---	---	8.7	8.2	8.5
14	13.1	12.3	12.7	---	---	---	---	---	---	8.2	7.1	7.6
15	13.5	12.6	13.1	---	---	---	---	---	---	7.6	7.3	7.4
16	13.5	12.8	13.1	---	---	---	---	---	---	8.1	7.3	7.8
17	13.3	12.8	12.9	---	---	---	---	---	---	8.7	8.0	8.3
18	13.1	12.8	12.9	10.9	10.5	10.7	8.5	7.9	8.2	9.2	8.7	8.9
19	13.3	12.9	13.2	11.2	10.9	11.0	8.8	8.3	8.5	9.3	9.1	9.2
20	13.4	12.6	13.0	11.2	10.7	11.0	8.6	8.0	8.2	9.3	9.1	9.2
21	13.2	12.5	12.9	---	---	---	8.2	7.9	8.0	9.4	9.0	9.2
22	13.3	12.5	12.9	---	---	---	8.2	7.8	8.0	9.2	8.6	8.9
23	13.0	12.7	12.8	10.8	10.3	10.5	8.2	7.7	7.9	8.7	8.0	8.4
24	---	---	---	---	---	---	7.9	7.3	7.6	8.2	7.9	8.1
25	---	---	---	---	---	---	7.7	7.2	7.5	8.3	7.8	8.1
26	---	---	---	---	---	---	7.6	7.2	7.4	8.3	7.7	7.9
27	13.6	13.3	13.5	---	---	---	7.7	7.3	7.4	8.2	7.8	8.0
28	13.5	13.2	13.3	---	---	---	8.0	7.7	7.8	8.2	7.9	8.1
29	13.6	13.2	13.4	---	---	---	8.1	7.8	8.0	8.3	8.1	8.2
30	13.4	13.0	13.3	---	---	---	8.6	8.1	8.2	8.6	8.2	8.4
31	13.4	13.0	13.2	---	---	---	8.9	8.6	8.7	8.7	8.3	8.5
MONTH	---	---	---	---	---	---	---	---	---	9.4	7.0	8.4

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Water temperature, in degrees Celsius, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.9	8.7	8.8	9.5	9.3	9.4	---	---	---	---	---	---
2	8.9	8.8	8.9	9.8	9.4	9.6	---	---	---	---	---	---
3	9.0	8.9	8.9	9.9	9.7	9.8	13.1	12.4	12.8	---	---	---
4	9.6	9.0	9.2	10.3	9.7	10.0	13.1	12.5	12.8	---	---	---
5	9.7	9.3	9.5	10.6	9.5	10.1	13.0	12.4	12.7	---	---	---
6	9.7	9.5	9.6	10.8	10.2	10.5	12.6	12.0	12.3	---	---	---
7	9.7	9.4	9.5	10.9	10.4	10.7	12.6	12.0	12.3	---	---	---
8	9.7	9.5	9.6	11.0	10.4	10.7	12.9	12.1	12.5	---	---	---
9	9.9	9.4	9.7	11.2	10.7	10.9	12.9	12.4	12.6	---	---	---
10	10.0	9.6	9.8	11.5	11.0	11.2	12.9	12.0	12.5	---	---	---
11	9.9	9.6	9.8	11.7	11.1	11.4	13.2	12.5	12.9	---	---	---
12	10.0	9.5	9.8	11.7	11.2	11.4	13.3	12.7	13.0	---	---	---
13	10.1	9.8	10.0	11.5	11.0	11.3	13.3	12.7	13.0	---	---	---
14	10.0	9.7	9.8	11.5	11.1	11.3	13.2	12.9	13.1	---	---	---
15	9.9	9.7	9.8	11.4	10.9	11.2	13.1	12.7	12.9	---	---	---
16	9.9	9.5	9.7	11.4	10.8	11.2	13.0	12.5	12.8	---	---	---
17	10.0	9.6	9.8	11.6	10.9	11.2	13.0	12.5	12.8	---	---	---
18	9.8	9.5	9.6	12.0	11.4	11.7	13.2	12.3	12.8	---	---	---
19	9.9	9.5	9.7	11.9	10.9	11.5	13.4	12.8	13.1	---	---	---
20	10.0	9.7	9.9	11.9	11.6	11.7	13.6	12.8	13.2	---	---	---
21	10.0	9.5	9.7	12.2	11.7	11.9	13.9	13.3	13.6	---	---	---
22	10.0	9.1	9.5	12.1	11.5	11.9	13.7	13.2	13.5	---	---	---
23	9.7	9.1	9.4	12.5	11.9	12.2	13.7	13.1	13.4	---	---	---
24	9.8	8.7	9.2	12.8	12.3	12.5	---	---	---	---	---	---
25	8.9	8.7	8.8	12.9	12.1	12.6	---	---	---	---	---	---
26	9.2	8.9	9.1	12.7	12.2	12.4	---	---	---	---	---	---
27	9.7	8.9	9.2	12.5	12.0	12.2	---	---	---	---	---	---
28	9.7	9.2	9.4	12.0	11.6	11.9	---	---	---	---	---	---
29	---	---	---	11.8	11.4	11.6	---	---	---	---	---	---
30	---	---	---	11.8	11.3	11.6	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	10.1	8.7	9.5	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Specific conductance, in microsiemens per centimeter at 25°C, water year 1990												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	1020	970	993
7	---	---	---	---	---	---	---	---	---	1030	949	994
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	1090	923	978
22	---	---	---	---	---	---	---	---	---	1090	942	988
23	---	---	---	---	---	---	---	---	---	1020	954	980
24	---	---	---	---	---	---	---	---	---	1080	962	1010
25	---	---	---	---	---	---	---	---	---	1020	962	986
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	1020	929	979	---	---	---
30	---	---	---	---	---	---	1010	976	986	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	965	927	945	955	948	952
2	---	---	---	---	---	---	982	924	942	1020	943	964
3	---	---	---	---	---	---	1000	958	969	1040	941	1020
4	---	---	---	---	---	---	1000	959	976	948	904	925
5	---	---	---	---	---	---	1000	957	974	---	---	---
6	---	---	---	---	---	---	1010	949	979	---	---	---
7	---	---	---	---	---	---	1010	936	972	949	912	925
8	---	---	---	---	---	---	969	930	943	932	901	915
9	---	---	---	1130	978	1020	985	935	954	930	895	908
10	---	---	---	1190	977	1070	1000	942	972	983	897	930
11	---	---	---	1010	943	966	972	939	953	951	896	911
12	---	---	---	1000	944	966	1000	940	955	924	896	907
13	---	---	---	1000	953	980	1020	951	979	914	905	907
14	---	---	---	963	939	945	996	923	960	939	914	930
15	---	---	---	1040	963	1010	960	928	942	928	904	910
16	---	---	---	1040	1000	1040	973	929	949	994	904	928
17	---	---	---	1000	931	963	947	922	928	1040	994	1020
18	---	---	---	970	922	938	974	933	954	1040	919	981
19	---	---	---	977	924	950	1000	927	944	966	914	932
20	---	---	---	967	919	937	1060	1000	1040	960	918	934
21	---	---	---	971	915	938	1060	964	1000	948	916	928
22	---	---	---	1040	945	977	1110	957	1000	949	911	930
23	---	---	---	1040	932	986	961	939	947	966	902	924
24	---	---	---	972	930	948	944	937	940	983	938	953
25	---	---	---	969	926	947	954	940	944	964	921	940
26	---	---	---	962	917	925	982	954	972	951	905	926
27	---	---	---	985	957	968	977	968	974	907	897	901
28	---	---	---	1020	969	989	980	968	974	929	907	920
29	---	---	---	1020	956	988	977	960	970	912	906	908
30	---	---	---	1000	937	975	963	954	960	971	905	918
31	---	---	---	---	---	---	954	949	951	1040	971	1010
MONTH	---	---	---	---	---	---	1110	922	963	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1030	928	999	1050	1000	1030	---	---	---	---	---	---
2	962	920	936	1020	977	994	---	---	---	---	---	---
3	971	921	941	1050	989	1020	---	---	---	---	---	---
4	994	935	959	1060	1030	1050	---	---	---	---	---	---
5	987	928	953	1040	1010	1020	---	---	---	---	---	---
6	984	928	950	---	---	---	---	---	---	---	---	---
7	981	934	950	---	---	---	---	---	---	---	---	---
8	980	929	949	---	---	---	---	---	---	---	---	---
9	974	925	943	---	---	---	---	---	---	---	---	---
10	970	925	951	---	---	---	---	---	---	---	---	---
11	954	925	934	---	---	---	---	---	---	---	---	---
12	975	941	960	---	---	---	---	---	---	---	---	---
13	1000	927	945	---	---	---	---	---	---	---	---	---
14	1050	1000	1040	---	---	---	---	---	---	---	---	---
15	1050	934	979	---	---	---	---	---	---	---	---	---
16	961	918	934	---	---	---	---	---	---	---	---	---
17	966	930	945	---	---	---	---	---	---	---	---	---
18	978	938	954	---	---	---	---	---	---	---	---	---
19	975	930	947	---	---	---	---	---	---	---	---	---
20	998	937	956	---	---	---	---	---	---	---	---	---
21	1040	957	991	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	1110	972	1050	---	---	---
2	---	---	---	---	---	---	993	964	979	---	---	---
3	---	---	---	---	---	---	991	975	980	---	---	---
4	---	---	---	---	---	---	1000	974	988	---	---	---
5	---	---	---	---	---	---	1010	988	1000	---	---	---
6	---	---	---	---	---	---	1000	995	999	---	---	---
7	---	---	---	---	---	---	1020	993	1000	---	---	---
8	---	---	---	---	---	---	1020	1010	1010	---	---	---
9	---	---	---	---	---	---	1020	1010	1020	---	---	---
10	---	---	---	---	---	---	1020	1010	1010	---	---	---
11	---	---	---	---	---	---	1020	1000	1010	---	---	---
12	---	---	---	---	---	---	1030	1000	1010	---	---	---
13	---	---	---	---	---	---	1020	1010	1010	---	---	---
14	---	---	---	---	---	---	1020	1000	1010	---	---	---
15	---	---	---	---	---	---	1030	1020	1020	---	---	---
16	---	---	---	952	947	949	1030	1010	1020	---	---	---
17	---	---	---	1080	948	1010	1020	1010	1010	---	---	---
18	---	---	---	1080	941	1020	1030	1010	1020	---	---	---
19	---	---	---	978	940	956	1030	1020	1030	---	---	---
20	---	---	---	984	944	965	1040	1030	1030	---	---	---
21	---	---	---	976	956	963	1040	1020	1030	---	---	---
22	---	---	---	979	956	965	1040	1020	1030	---	---	---
23	---	---	---	989	963	971	1040	1020	1030	---	---	---
24	---	---	---	987	963	970	1030	999	1020	---	---	---
25	---	---	---	988	963	971	---	---	---	---	---	---
26	---	---	---	989	965	972	---	---	---	---	---	---
27	---	---	---	995	965	976	---	---	---	---	---	---
28	---	---	---	990	969	974	---	---	---	---	---	---
29	---	---	---	1000	974	990	---	---	---	---	---	---
30	---	---	---	977	972	974	---	---	---	---	---	---
31	---	---	---	1100	976	1020	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	1020	979	1000	---	---	---	---	---	---
23	---	---	---	1000	979	989	---	---	---	---	---	---
24	---	---	---	1010	982	994	---	---	---	---	---	---
25	---	---	---	1020	988	1000	---	---	---	1000	843	973
26	---	---	---	1030	991	1010	---	---	---	996	833	975
27	---	---	---	1010	988	997	---	---	---	992	965	979
28	---	---	---	---	---	---	---	---	---	992	968	981
29	---	---	---	---	---	---	---	---	---	998	974	987
30	---	---	---	---	---	---	---	---	---	1010	992	1000
31	---	---	---	---	---	---	---	---	---	1010	980	994
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1000	988	995	1050	1030	1040	1070	1060	1070	---	---	---
2	1000	988	994	1050	1030	1040	1070	1060	1060	---	---	---
3	1000	984	992	1060	1040	1050	---	---	---	---	---	---
4	1000	988	995	1060	1040	1050	---	---	---	---	---	---
5	1010	990	998	1080	1050	1060	---	---	---	---	---	---
6	1060	992	1020	1070	1050	1060	---	---	---	---	---	---
7	1030	1010	1020	1080	1050	1060	---	---	---	---	---	---
8	1020	992	1010	1070	1040	1050	---	---	---	---	---	---
9	1020	990	1000	1070	1040	1050	---	---	---	---	---	---
10	1010	984	996	1040	1030	1030	---	---	---	---	---	---
11	1000	990	996	1040	1020	1030	---	---	---	---	---	---
12	1010	992	1000	1070	1040	1060	---	---	---	---	---	---
13	1030	994	1010	1070	1050	1060	---	---	---	---	---	---
14	1030	976	1010	1070	1050	1060	---	---	---	---	---	---
15	1000	962	984	1070	1040	1050	---	---	---	---	---	---
16	1020	992	1000	1060	1040	1050	---	---	---	---	---	---
17	1030	998	1010	1080	1060	1070	---	---	---	---	---	---
18	1040	1030	1030	1080	1060	1070	---	---	---	---	---	---
19	1060	1030	1050	1090	1070	1080	---	---	---	---	---	---
20	1070	1040	1060	1100	1070	1080	---	---	---	---	---	---
21	1050	1010	1030	1080	1050	1070	---	---	---	---	---	---
22	1080	1040	1060	1070	1060	1060	---	---	---	---	---	---
23	1100	1050	1070	1060	1050	1060	---	---	---	---	---	---
24	1080	1030	1050	1050	1050	1050	---	---	---	---	---	---
25	1060	1040	1050	1080	1050	1060	---	---	---	---	---	---
26	1060	1040	1050	1090	1070	1080	---	---	---	---	---	---
27	1070	1040	1060	1090	1060	1080	---	---	---	---	---	---
28	1060	1040	1050	1060	1050	1060	---	---	---	---	---	---
29	1040	1010	1030	1060	1050	1050	---	---	---	---	---	---
30	---	---	---	1060	1050	1060	---	---	---	---	---	---
31	---	---	---	1060	1050	1060	---	---	---	---	---	---
MONTH	1100	962	1020	1100	1020	1060	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	1010	963	977	983	950	970	981	961	970
2	---	---	---	1010	951	972	978	945	956	983	960	969
3	---	---	---	997	946	958	981	949	964	1030	935	984
4	---	---	---	968	949	958	977	949	962	994	939	967
5	---	---	---	---	---	---	965	944	953	977	899	927
6	---	---	---	1000	973	989	964	947	954	899	852	868
7	---	---	---	1000	951	978	968	946	956	852	845	849
8	---	---	---	982	947	964	963	945	953	880	851	862
9	---	---	---	998	950	968	968	950	958	875	859	870
10	---	---	---	---	---	---	---	---	---	904	875	893
11	---	---	---	---	---	---	---	---	---	911	852	886
12	---	---	---	995	946	980	950	937	944	905	854	879
13	---	---	---	1010	950	983	977	939	952	904	811	850
14	---	---	---	997	947	964	968	945	956	811	693	734
15	---	---	---	996	948	964	959	933	946	732	711	724
16	---	---	---	983	946	964	976	942	957	786	719	763
17	---	---	---	987	943	960	990	962	978	822	786	798
18	---	---	---	975	943	958	996	965	981	864	822	844
19	---	---	---	982	949	966	997	954	970	873	864	869
20	---	---	---	980	949	966	979	959	966	880	873	876
21	---	---	---	---	---	---	981	962	973	888	844	875
22	---	---	---	---	---	---	984	967	975	884	828	869
23	---	---	---	999	951	972	996	972	984	860	839	847
24	---	---	---	995	951	971	1000	982	990	860	802	813
25	---	---	---	985	952	964	1000	969	984	823	799	809
26	---	---	---	1000	956	978	989	971	979	851	823	838
27	972	949	959	988	944	969	990	968	980	879	851	866
28	982	941	957	974	944	958	980	961	970	905	879	894
29	---	---	---	976	947	960	983	964	973	920	905	913
30	973	953	965	998	949	970	975	956	965	923	919	921
31	1010	972	1000	---	---	---	979	958	969	927	923	925
MONTH	---	---	---	---	---	---	---	---	---	1030	693	869

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Specific conductance, in microsiemens per centimeter at 25°C, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	930	927	928	---	---	---	---	---	---	---	---	---
2	933	930	932	---	---	---	---	---	---	---	---	---
3	935	932	934	---	---	---	992	983	987	---	---	---
4	938	920	934	---	---	---	1010	992	1010	---	---	---
5	954	935	942	---	---	---	1010	999	1010	---	---	---
6	977	947	954	---	---	---	1010	991	1010	---	---	---
7	980	956	967	---	---	---	---	---	---	---	---	---
8	980	902	952	---	---	---	---	---	---	---	---	---
9	929	867	896	---	---	---	---	---	---	---	---	---
10	963	909	939	---	---	---	---	---	---	---	---	---
11	1010	963	985	---	---	---	---	---	---	---	---	---
12	1010	968	985	---	---	---	---	---	---	---	---	---
13	984	949	962	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	1010	987	998	---	---	---
16	---	---	---	---	---	---	1010	980	989	---	---	---
17	---	---	---	---	---	---	1010	989	998	---	---	---
18	---	---	---	---	---	---	1010	993	1000	---	---	---
19	---	---	---	---	---	---	1020	995	1010	---	---	---
20	---	---	---	---	---	---	1020	982	998	---	---	---
21	---	---	---	---	---	---	993	968	979	---	---	---
22	---	---	---	---	---	---	998	971	982	---	---	---
23	---	---	---	---	---	---	999	966	981	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

pH, water, whole, field, standard units, water year 1991												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
13	8.4	8.4	8.4	---	---	---	---	---	---	---	---	---
14	8.5	8.4	8.4	---	---	---	---	---	---	---	---	---
15	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
16	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
17	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
18	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
19	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
20	8.3	8.1	8.2	---	---	---	---	---	---	---	---	---
21	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
22	8.1	8.1	8.1	---	---	---	---	---	---	---	---	---
23	8.2	8.1	8.1	---	---	---	---	---	---	---	---	---
24	8.2	8.2	8.2	---	---	---	---	---	---	---	---	---
25	8.3	8.2	8.3	---	---	---	---	---	---	8.5	8.4	8.5
26	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
27	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	8.5	8.4	8.5
29	---	---	---	---	---	---	---	---	---	8.5	8.3	8.4
30	---	---	---	---	---	---	---	---	---	8.5	8.3	8.4
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	8.2	8.2	8.2	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	8.4	8.3	8.3
28	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
29	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
30	---	---	---	---	---	---	---	---	---	8.4	8.4	8.4
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	8.4	8.4	8.4	8.2	8.1	8.2	8.4	8.3	8.4	---	---	---
2	8.4	8.4	8.4	8.2	8.1	8.1	8.4	8.3	8.3	---	---	---
3	8.4	8.4	8.4	8.2	8.1	8.1	8.3	8.3	8.3	---	---	---
4	8.4	8.4	8.4	8.1	8.1	8.1	8.3	8.3	8.3	---	---	---
5	8.4	8.3	8.4	8.2	8.1	8.2	8.3	8.2	8.3	---	---	---
6	8.4	8.4	8.4	8.2	8.1	8.1	8.3	8.2	8.3	---	---	---
7	8.4	8.3	8.4	8.3	8.1	8.2	8.3	8.2	8.3	---	---	---
8	8.4	8.4	8.4	8.3	8.2	8.2	---	---	---	---	---	---
9	---	---	---	8.3	8.2	8.2	---	---	---	---	---	---
10	---	---	---	---	---	---	8.3	8.3	8.3	---	---	---
11	---	---	---	---	---	---	8.3	8.3	8.3	---	---	---
12	---	---	---	---	---	---	8.3	8.3	8.3	---	---	---
13	---	---	---	8.3	8.2	8.3	8.3	8.3	8.3	---	---	---
14	---	---	---	8.3	8.3	8.3	8.3	8.3	8.3	---	---	---
15	8.5	8.4	8.4	8.3	8.3	8.3	---	---	---	---	---	---
16	---	---	---	8.3	8.2	8.3	---	---	---	---	---	---
17	---	---	---	8.3	8.3	8.3	---	---	---	---	---	---
18	---	---	---	8.3	8.3	8.3	---	---	---	---	---	---
19	---	---	---	8.4	8.3	8.3	8.4	8.3	8.3	---	---	---
20	---	---	---	8.4	8.3	8.4	---	---	---	---	---	---
21	---	---	---	8.5	8.4	8.4	8.3	8.2	8.3	---	---	---
22	---	---	---	8.5	8.5	8.5	---	---	---	---	---	---
23	---	---	---	---	---	---	8.3	8.2	8.3	---	---	---
24	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
25	8.3	8.3	8.3	8.3	8.3	8.3	---	---	---	---	---	---
26	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
27	8.3	8.2	8.3	8.4	8.2	8.3	---	---	---	---	---	---
28	8.3	8.2	8.3	8.4	8.4	8.4	---	---	---	---	---	---
29	8.3	8.2	8.2	8.4	8.3	8.4	---	---	---	---	---	---
30	8.2	8.2	8.2	8.4	8.3	8.4	---	---	---	---	---	---
31	8.2	8.2	8.2	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	8.6	8.5	8.5	---	---	---	---	---	---
7	---	---	---	8.6	8.5	8.5	---	---	---	---	---	---
8	---	---	---	8.6	8.5	8.6	---	---	---	---	---	---
9	---	---	---	8.6	8.4	8.5	---	---	---	---	---	---
10	---	---	---	8.5	8.4	8.5	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1992												
Day	June			July			August			September		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
10	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
11	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
12	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
13	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
14	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
15	8.3	8.3	8.3	---	---	---	---	---	---	---	---	---
16	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
17	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
18	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
19	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
20	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
21	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
22	8.4	8.3	8.3	---	---	---	---	---	---	---	---	---
23	8.4	8.2	8.3	---	---	---	---	---	---	---	---	---
24	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
25	8.3	8.2	8.3	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	8.4	8.3	8.3	---	---	---
20	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
21	---	---	---	---	---	---	8.4	8.3	8.4	---	---	---
22	---	---	---	---	---	---	8.5	8.3	8.4	---	---	---
23	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
24	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
25	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
26	---	---	---	---	---	---	8.5	8.4	8.5	---	---	---
27	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
28	---	---	---	---	---	---	8.5	8.4	8.4	---	---	---
29	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
30	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
31	---	---	---	---	---	---	8.4	8.4	8.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

pH, water, whole, field, standard units, water year 1993												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	8.5	8.3	8.4	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[Dashes indicate no data]

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	October			November			December			January		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	11.3	11.2	11.3	12.0	11.9	12.0
2	---	---	---	---	---	---	11.4	11.2	11.3	---	---	---
3	---	---	---	---	---	---	11.5	11.4	11.4	---	---	---
4	---	---	---	---	---	---	11.5	11.4	11.4	---	---	---
5	---	---	---	---	---	---	11.5	11.4	11.4	---	---	---
6	---	---	---	---	---	---	11.5	11.3	11.4	---	---	---
7	---	---	---	---	---	---	11.5	11.4	11.4	11.5	11.3	11.4
8	---	---	---	---	---	---	11.4	11.3	11.4	11.3	11.1	11.2
9	---	---	---	11.2	10.8	11.1	11.4	11.3	11.3	11.2	11.1	11.1
10	---	---	---	11.2	11.1	11.1	11.4	11.2	11.3	11.2	11.1	11.2
11	---	---	---	11.2	10.8	11.2	11.4	11.2	11.3	11.5	11.2	11.4
12	---	---	---	11.1	10.7	11.0	11.4	11.2	11.3	11.5	11.3	11.4
13	---	---	---	11.0	10.6	10.9	11.2	11.1	11.2	11.4	11.1	11.2
14	---	---	---	11.0	10.6	10.9	11.5	11.1	11.2	11.2	11.1	11.1
15	---	---	---	11.0	10.5	10.9	11.5	11.1	11.2	11.2	11.1	11.2
16	---	---	---	10.9	10.5	10.8	11.1	11.0	11.0	11.4	11.1	11.2
17	---	---	---	10.9	10.4	10.7	11.1	10.9	11.0	11.4	11.3	11.4
18	---	---	---	10.9	10.4	10.7	11.3	11.1	11.2	11.4	11.3	11.4
19	---	---	---	10.8	10.4	10.7	11.2	11.1	11.1	11.4	11.3	11.3
20	---	---	---	10.7	10.3	10.5	11.3	11.1	11.2	11.4	11.3	11.3
21	---	---	---	10.8	10.6	10.7	11.4	11.2	11.3	11.4	11.3	11.3
22	---	---	---	10.9	10.5	10.8	11.6	11.4	11.4	11.5	11.3	11.4
23	---	---	---	11.2	10.6	10.8	11.9	11.6	11.8	11.6	11.3	11.5
24	---	---	---	11.2	10.9	11.1	12.2	11.9	12.1	11.9	11.5	11.6
25	---	---	---	11.2	10.8	11.1	12.2	12.0	12.1	11.9	11.6	11.8
26	---	---	---	11.1	10.8	10.9	12.2	12.1	12.1	12.3	11.6	11.9
27	---	---	---	11.1	10.8	10.9	12.2	12.1	12.1	11.9	11.5	11.6
28	---	---	---	11.2	11.0	11.1	12.1	11.9	12.0	11.5	11.4	11.4
29	---	---	---	11.3	11.2	11.2	11.9	11.8	11.8	11.6	11.4	11.5
30	---	---	---	11.4	11.2	11.3	12.0	11.8	11.9	11.7	11.5	11.6
31	---	---	---	---	---	---	12.0	11.9	11.9	11.8	11.7	11.7
MONTH	---	---	---	---	---	---	12.2	10.9	11.5	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11.8	11.6	11.7	10.7	10.6	10.6	10.8	10.6	10.7	---	---	---
2	11.9	11.7	11.8	10.8	10.6	10.7	10.9	10.7	10.7	---	---	---
3	11.7	11.6	11.6	10.9	10.8	10.9	10.7	10.5	10.6	---	---	---
4	11.6	11.5	11.6	10.9	10.8	10.8	10.6	10.5	10.6	---	---	---
5	11.6	11.4	11.5	10.8	10.6	10.7	10.6	10.5	10.5	---	---	---
6	11.5	11.3	11.4	10.7	10.6	10.7	10.5	10.4	10.5	---	---	---
7	11.4	11.2	11.3	10.9	10.7	10.9	10.4	10.3	10.4	---	---	---
8	11.4	11.2	11.3	10.9	10.7	10.8	10.4	10.3	10.3	---	---	---
9	11.3	11.2	11.3	10.9	10.9	10.9	10.3	10.2	10.3	---	---	---
10	11.3	11.1	11.2	10.9	10.9	10.9	10.3	10.1	10.1	---	---	---
11	---	---	---	10.9	10.9	10.9	10.4	10.3	10.3	---	---	---
12	---	---	---	11.0	10.9	10.9	10.6	10.3	10.5	---	---	---
13	---	---	---	11.0	10.8	10.9	10.7	10.5	10.7	---	---	---
14	---	---	---	10.9	10.8	10.9	10.8	10.7	10.8	---	---	---
15	---	---	---	10.9	10.8	10.8	10.8	10.6	10.7	---	---	---
16	---	---	---	11.0	10.8	10.9	10.7	10.4	10.6	---	---	---
17	---	---	---	11.1	11.0	11.0	10.5	10.4	10.5	---	---	---
18	---	---	---	11.0	10.8	11.0	10.4	10.2	10.3	---	---	---
19	---	---	---	10.9	10.7	10.8	10.2	9.8	10.0	---	---	---
20	---	---	---	10.9	10.8	10.9	10.2	8.7	9.7	---	---	---
21	---	---	---	10.9	10.8	10.9	10.2	10.0	10.1	---	---	---
22	---	---	---	11.0	10.9	10.9	10.0	9.8	10.0	---	---	---
23	---	---	---	11.1	11.0	11.0	---	---	---	---	---	---
24	---	---	---	11.0	10.9	11.0	---	---	---	---	---	---
25	---	---	---	10.9	10.8	10.9	---	---	---	10.1	10.0	10.0
26	---	---	---	10.8	10.7	10.8	---	---	---	10.0	9.9	9.9
27	---	---	---	10.9	10.8	10.9	---	---	---	10.0	9.9	9.9
28	---	---	---	11.0	10.9	10.9	---	---	---	10.1	9.8	10.0
29	---	---	---	11.0	10.9	10.9	---	---	---	10.0	9.8	9.9
30	---	---	---	11.0	10.9	11.0	---	---	---	9.9	9.7	9.8
31	---	---	---	11.0	10.8	10.9	---	---	---	---	---	---
MONTH	---	---	---	11.1	10.6	10.9	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1991												
	June			July			August			September		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	9.9	9.5	9.8
8	---	---	---	---	---	---	---	---	---	10.1	9.8	9.9
9	---	---	---	---	---	---	---	---	---	9.9	9.6	9.7
10	---	---	---	---	---	---	---	---	---	9.6	9.3	9.5
11	---	---	---	---	---	---	---	---	---	9.6	9.3	9.5
12	---	---	---	---	---	---	---	---	---	9.6	9.4	9.5
13	---	---	---	---	---	---	---	---	---	9.7	9.5	9.6
14	---	---	---	---	---	---	---	---	---	9.8	9.6	9.7
15	---	---	---	---	---	---	---	---	---	9.8	9.7	9.7
16	---	---	---	---	---	---	---	---	---	9.9	9.7	9.8
17	---	---	---	---	---	---	---	---	---	9.8	9.6	9.7
18	---	---	---	---	---	---	---	---	---	9.7	9.6	9.7
19	---	---	---	---	---	---	---	---	---	9.8	9.7	9.7
20	---	---	---	---	---	---	---	---	---	9.8	9.7	9.7
21	---	---	---	---	---	---	---	---	---	9.8	9.7	9.7
22	---	---	---	---	---	---	---	---	---	9.8	9.6	9.7
23	---	---	---	---	---	---	---	---	---	9.8	9.6	9.7
24	---	---	---	---	---	---	---	---	---	9.8	9.7	9.7
25	---	---	---	---	---	---	9.7	9.6	9.6	9.8	9.7	9.7
26	---	---	---	---	---	---	9.6	9.4	9.5	---	---	---
27	---	---	---	---	---	---	9.5	9.3	9.4	---	---	---
28	---	---	---	---	---	---	9.4	9.2	9.3	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
Day	February			March			April			May		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	10.8	10.5	10.7	10.5	10.2	10.3	---	---	---
2	---	---	---	10.8	10.5	10.7	11.1	10.4	10.7	---	---	---
3	---	---	---	10.9	10.6	10.8	---	---	---	---	---	---
4	---	---	---	10.9	10.7	10.8	---	---	---	---	---	---
5	---	---	---	11.0	10.7	10.8	---	---	---	---	---	---
6	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
7	---	---	---	10.7	10.5	10.6	---	---	---	---	---	---
8	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
9	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
10	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
11	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
12	---	---	---	10.8	10.6	10.7	---	---	---	---	---	---
13	11.2	11.0	11.1	10.8	10.6	10.7	---	---	---	---	---	---
14	11.2	11.0	11.1	10.8	10.5	10.6	---	---	---	---	---	---
15	11.2	11.0	11.2	10.6	10.4	10.5	---	---	---	---	---	---
16	11.4	11.1	11.2	10.5	10.3	10.4	---	---	---	---	---	---
17	11.3	11.0	11.2	10.5	10.3	10.4	---	---	---	---	---	---
18	11.3	11.1	11.2	10.5	10.4	10.4	---	---	---	---	---	---
19	11.5	11.2	11.3	10.6	10.4	10.5	---	---	---	---	---	---
20	11.4	11.1	11.3	10.6	10.3	10.5	---	---	---	---	---	---
21	11.4	11.0	11.2	10.5	10.3	10.4	---	---	---	---	---	---
22	11.0	10.7	10.9	10.7	10.4	10.5	---	---	---	---	---	---
23	10.9	10.7	10.8	10.6	10.5	10.6	---	---	---	---	---	---
24	10.9	10.7	10.8	10.7	10.5	10.6	---	---	---	---	---	---
25	11.0	10.6	10.8	10.6	10.4	10.5	---	---	---	---	---	---
26	10.8	10.7	10.8	10.6	10.3	10.4	---	---	---	---	---	---
27	10.9	10.7	10.8	10.4	10.3	10.4	---	---	---	---	---	---
28	11.0	10.7	10.9	10.5	10.3	10.4	---	---	---	---	---	---
29	10.9	10.6	10.8	10.4	10.3	10.4	---	---	---	---	---	---
30	---	---	---	10.4	10.2	10.3	---	---	---	---	---	---
31	---	---	---	10.4	10.2	10.3	---	---	---	---	---	---
MONTH	---	---	---	11.0	10.2	10.6	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1992												
Day	June			July			August			September		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	9.0	8.6	8.8	---	---	---	9.6	9.4	9.5
2	---	---	---	9.2	8.6	8.8	9.2	9.1	9.2	---	---	---
3	---	---	---	---	---	---	9.3	9.1	9.2	9.8	9.5	9.6
4	---	---	---	---	---	---	9.2	9.1	9.2	9.8	9.4	9.6
5	---	---	---	---	---	---	9.2	9.1	9.1	9.8	9.4	9.7
6	---	---	---	9.1	8.5	8.9	9.3	9.1	9.2	9.8	8.9	9.5
7	---	---	---	---	---	---	9.3	8.9	9.2	---	---	---
8	---	---	---	---	---	---	---	---	---	9.8	9.6	9.7
9	9.4	9.2	9.3	9.3	8.9	9.0	---	---	---	---	---	---
10	9.2	9.1	9.2	---	---	---	9.9	9.7	9.8	---	---	---
11	9.3	9.1	9.2	---	---	---	9.8	9.1	9.5	---	---	---
12	9.2	9.1	9.2	9.2	8.6	8.9	9.6	9.2	9.6	---	---	---
13	---	---	---	---	---	---	9.7	9.2	9.6	---	---	---
14	9.3	8.9	9.2	---	---	---	---	---	---	---	---	---
15	---	---	---	9.4	9.0	9.3	---	---	---	---	---	---
16	---	---	---	9.5	9.2	9.4	---	---	---	---	---	---
17	9.3	9.1	9.2	9.5	9.3	9.4	---	---	---	---	---	---
18	9.3	9.1	9.2	9.6	9.1	9.4	---	---	---	---	---	---
19	9.2	9.0	9.2	9.9	8.9	9.4	9.7	9.6	9.7	---	---	---
20	9.2	9.1	9.1	9.7	9.3	9.5	9.7	9.0	9.6	---	---	---
21	9.2	9.1	9.2	9.5	9.4	9.4	9.8	9.5	9.7	---	---	---
22	9.2	9.1	9.1	9.4	8.9	9.3	9.7	9.4	9.6	---	---	---
23	9.4	9.1	9.2	9.4	9.2	9.3	---	---	---	---	---	---
24	9.2	9.0	9.1	9.4	8.9	9.2	---	---	---	---	---	---
25	9.2	9.0	9.1	---	---	---	9.9	9.5	9.8	---	---	---
26	9.2	9.0	9.1	9.5	9.2	9.4	---	---	---	10.0	9.5	9.7
27	9.4	9.1	9.2	9.3	9.0	9.1	9.9	9.4	9.7	9.8	9.6	9.7
28	9.2	9.1	9.1	9.2	9.1	9.1	9.6	9.3	9.5	9.8	9.6	9.7
29	---	---	---	9.1	8.8	9.0	9.7	9.6	9.6	10.0	9.6	9.7
30	---	---	---	---	---	---	9.7	9.6	9.7	10.0	9.4	9.7
31	---	---	---	---	---	---	9.6	9.4	9.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
Day	October			November			December			January		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	10.1	9.7	9.8	---	---	---	---	---	---	10.6	10.5	10.6
2	9.9	9.2	9.7	---	---	---	---	---	---	10.5	10.3	10.4
3	---	---	---	---	---	---	---	---	---	10.9	10.4	10.5
4	10.1	9.5	9.7	---	---	---	---	---	---	11.0	10.9	10.9
5	10.0	9.6	9.7	---	---	---	---	---	---	11.2	11.0	11.1
6	9.9	9.6	9.7	---	---	---	---	---	---	11.3	11.1	11.2
7	10.0	9.6	9.7	---	---	---	---	---	---	11.2	11.1	11.2
8	9.9	9.3	9.7	---	---	---	---	---	---	11.1	10.6	10.8
9	9.9	9.6	9.8	---	---	---	---	---	---	10.7	10.6	10.6
10	10.1	9.6	9.8	---	---	---	---	---	---	10.6	10.5	10.5
11	10.2	9.7	9.9	---	---	---	---	---	---	10.6	10.4	10.5
12	10.2	9.8	9.9	---	---	---	---	---	---	10.7	10.6	10.7
13	---	---	---	---	---	---	---	---	---	10.8	10.5	10.6
14	---	---	---	---	---	---	---	---	---	11.1	10.7	10.9
15	---	---	---	---	---	---	---	---	---	11.1	11.0	11.1
16	10.4	9.6	9.8	---	---	---	---	---	---	11.1	10.9	11.0
17	---	---	---	---	---	---	---	---	---	10.9	10.6	10.8
18	---	---	---	---	---	---	---	---	---	10.7	10.5	10.6
19	---	---	---	---	---	---	11.5	11.3	11.4	---	---	---
20	9.9	9.6	9.7	---	---	---	11.4	11.3	11.4	---	---	---
21	---	---	---	---	---	---	11.5	11.3	11.4	---	---	---
22	---	---	---	---	---	---	11.5	11.0	11.3	10.9	10.8	10.9
23	---	---	---	---	---	---	11.1	10.9	11.0	---	---	---
24	---	---	---	---	---	---	11.1	11.0	11.0	---	---	---
25	---	---	---	---	---	---	11.1	11.0	11.1	11.1	10.9	11.0
26	---	---	---	---	---	---	11.1	11.0	11.1	11.1	10.9	11.0
27	---	---	---	---	---	---	11.1	10.9	11.0	11.1	10.8	10.9
28	---	---	---	---	---	---	10.9	10.7	10.8	11.1	10.9	10.9
29	---	---	---	---	---	---	10.8	10.7	10.7	11.0	10.7	10.8
30	---	---	---	---	---	---	10.8	10.7	10.7	11.2	10.6	10.8
31	---	---	---	---	---	---	10.7	10.6	10.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

Concentrations of dissolved oxygen, in milligrams per liter, water year 1993												
	February			March			April			May		
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	11.1	11.0	11.0	10.5	10.3	10.4	---	---	---
2	---	---	---	---	---	---	10.5	10.0	10.2	---	---	---
3	---	---	---	---	---	---	10.0	9.8	9.9	---	---	---
4	---	---	---	---	---	---	9.9	9.7	9.8	---	---	---
5	11.0	10.8	10.9	---	---	---	9.8	9.7	9.7	---	---	---
6	10.9	10.9	10.9	---	---	---	9.9	9.7	9.8	---	---	---
7	11.0	10.9	10.9	---	---	---	---	---	---	---	---	---
8	10.9	10.8	10.8	10.9	10.7	10.8	---	---	---	---	---	---
9	10.8	10.7	10.8	10.8	10.6	10.7	---	---	---	---	---	---
10	10.9	10.8	10.8	10.7	10.6	10.6	---	---	---	---	---	---
11	11.0	10.8	10.9	10.6	10.5	10.6	---	---	---	---	---	---
12	11.0	10.9	10.9	10.7	10.5	10.6	---	---	---	---	---	---
13	10.9	10.8	10.9	10.7	10.5	10.6	---	---	---	---	---	---
14	---	---	---	10.6	10.5	10.6	---	---	---	---	---	---
15	---	---	---	10.7	10.6	10.6	9.9	9.8	9.9	---	---	---
16	---	---	---	10.7	10.6	10.7	10.0	9.8	9.9	---	---	---
17	---	---	---	---	---	---	10.0	9.9	9.9	---	---	---
18	---	---	---	---	---	---	10.0	9.8	9.9	---	---	---
19	---	---	---	---	---	---	9.9	9.8	9.8	---	---	---
20	---	---	---	---	---	---	9.9	9.8	9.8	---	---	---
21	10.9	10.7	10.8	10.5	10.4	10.5	9.9	9.8	9.9	---	---	---
22	11.1	10.6	10.9	10.5	10.4	10.5	9.9	9.8	9.8	---	---	---
23	11.1	10.9	11.0	10.5	10.4	10.4	9.8	9.8	9.8	---	---	---
24	11.2	10.8	11.0	10.4	10.3	10.3	---	---	---	---	---	---
25	11.3	11.1	11.2	10.4	10.2	10.3	---	---	---	---	---	---
26	11.2	11.1	11.1	10.3	10.2	10.3	---	---	---	---	---	---
27	11.1	10.9	11.1	10.4	10.2	10.3	---	---	---	---	---	---
28	11.1	10.9	11.0	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	10.6	10.5	10.5	---	---	---	---	---	---
31	---	---	---	10.6	10.4	10.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

[E, estimated; K, based on nonideal colony count; FT, foot; FT^3/S, cubic feet per second; µS/CM, microsiemens per centimeter at 25°C; °C, degrees Celsius; MG/L, milligrams per liter; ML, milliliter; MM, millimeter; MI^2, square mile; T/DAY, tons per day; µM, micrometer; MF, membrane filter; M, meters; NTU, nephelometric-turbidity units; COL/100 ML, colonies per 100 milliliters. Dashes indicate no data]

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT												
07...	0920	7470	46.24	--	--	--	--	19.0	13.5	--	734	9.7
07...	1000	7470	46.24	--	--	--	--	--	13.5	--	734	9.8
07...	1220	11000	47.83	--	--	--	--	--	14.0	--	733	10.1
07...	1500	16300	49.93	--	--	--	--	25.0	14.0	--	730	10.1
07...	2045	13600	48.94	--	--	--	--	19.0	14.0	--	732	9.9
08...	0800	7800	46.43	--	--	--	--	20.0	13.0	--	735	10.0
08...	1030	7200	46.09	--	--	--	--	--	13.0	--	735	10.0
08...	1500	6390	45.59	--	--	--	--	24.0	14.0	--	731	10.1
08...	1815	6120	45.38	--	--	--	--	24.0	14.0	--	730	10.0
08...	1930	6080	45.34	920	929	8.2	8.0	24.0	13.5	1.7	730	9.9
08...	2330	6010	45.29	--	--	--	--	23.5	13.5	--	732	10.0
09...	0700	5920	45.21	--	--	--	--	18.5	13.5	--	734	9.8
09...	0930	5890	45.18	--	--	--	--	18.0	13.5	--	734	9.9
09...	1130	5880	45.17	984	--	--	--	26.0	13.5	--	734	10.0
09...	1310	5880	45.17	--	--	--	--	29.5	13.5	--	732	10.2
09...	1700	5880	45.17	931	917	8.3	8.2	26.0	14.0	1.4	730	10.0
09...	1830	5880	45.17	--	--	--	--	26.0	14.0	--	730	10.0
09...	2100	5880	45.17	--	--	--	--	18.0	14.0	--	731	9.9
09...	2130	5860	45.16	--	--	--	--	18.5	13.5	--	734	9.9
10...	0715	5860	45.16	--	--	--	--	16.5	14.0	--	733	9.8
10...	1030	5860	45.16	979	952	8.3	8.3	20.5	13.5	0.80	733	10.0
10...	1415	5860	45.16	979	--	--	--	30.0	14.0	--	730	10.1
10...	1800	5850	45.15	955	--	8.2	--	26.0	14.0	--	728	10.2
10...	2030	5850	45.15	--	--	--	--	19.0	14.0	--	730	9.9
11...	0715	5840	45.14	--	--	--	--	18.0	13.5	--	732	10.0
11...	0930	5840	45.14	886	898	8.3	8.3	19.0	13.5	0.80	733	9.9
11...	1230	5840	45.14	--	--	--	--	29.5	14.0	--	731	10.0
11...	1345	5840	45.14	906	--	--	--	30.0	14.0	--	730	10.0
11...	1545	5840	45.14	909	--	--	--	32.0	14.0	--	729	10.1
11...	1745	5840	45.14	900	--	--	--	32.0	14.0	--	729	10.1
11...	2030	5820	45.12	--	--	--	--	30.0	14.0	--	731	10.0
12...	0945	5540	44.98	910	919	8.3	8.3	20.0	13.5	0.70	734	9.9
12...	1200	8070	46.57	--	--	--	--	28.0	14.0	--	733	10.0
12...	1310	11600	48.11	945	--	8.2	--	28.0	14.0	--	733	10.0
12...	1630	14900	49.41	984	951	8.3	8.3	23.5	14.0	2.0	730	10.0
12...	1815	14000	49.09	--	--	--	--	23.5	14.0	--	730	10.0
12...	2145	11800	48.20	--	--	--	--	26.5	14.0	--	731	9.8
JAN												
29...	1715	--	--	850	--	8.5	--	8.5	11.5	--	730	10.8
MAY												
13...	0915	E12400	--	1040	--	8.1	--	--	15.0	--	727	10.8
JUL												
11...	1800	--	--	1000	--	8.2	--	43.0	15.5	--	726	12.2
AUG												
11...	1030	E19000	--	950	--	8.2	--	--	14.5	--	737	10.7

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (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)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT												
07...	96	--	--	--	--	--	--	--	--	--	--	--
07...	97	--	--	--	--	--	--	--	--	--	--	--
07...	101	--	--	--	--	--	--	--	--	--	--	--
07...	102	--	--	--	--	--	--	--	--	--	--	--
07...	100	--	--	--	--	--	--	--	--	--	--	--
08...	98	--	--	--	--	--	--	--	--	--	--	--
08...	98	--	--	--	--	--	--	--	--	--	--	--
08...	102	--	--	--	--	--	--	--	--	--	--	--
08...	101	--	--	--	--	--	--	--	--	--	--	--
08...	99	--	--	280	71	25	86	3.6	0	171	140	147
08...	99	--	--	--	--	--	--	--	--	--	--	--
09...	97	--	--	--	--	--	--	--	--	--	--	--
09...	98	--	--	--	--	--	--	--	--	--	--	--
09...	99	--	--	--	--	--	--	--	--	--	--	--
09...	101	--	--	--	--	--	--	--	--	--	--	--
09...	99	--	--	280	69	25	84	3.5	0	188	154	148
09...	101	--	--	--	--	--	--	--	--	--	--	--
09...	100	--	--	--	--	--	--	--	--	--	--	--
09...	98	--	--	--	--	--	--	--	--	--	--	--
10...	98	--	--	--	--	--	--	--	--	--	--	--
10...	99	--	--	280	70	26	90	3.6	0	190	156	153
10...	102	--	--	--	--	--	--	--	--	--	--	--
10...	103	--	--	--	--	--	--	--	0	193	158	--
10...	100	--	--	--	--	--	--	--	--	--	--	--
11...	99	--	--	--	--	--	--	--	--	--	--	--
11...	98	--	--	280	70	25	80	3.5	--	179	147	150
11...	101	--	--	--	--	--	--	--	--	--	--	--
11...	101	--	--	--	--	--	--	--	--	--	--	--
11...	102	--	--	--	--	--	--	--	--	--	--	--
11...	102	--	--	--	--	--	--	--	--	--	--	--
11...	101	--	--	--	--	--	--	--	--	--	--	--
12...	98	--	--	280	70	25	85	3.4	7	172	153	149
12...	101	--	--	--	--	--	--	--	--	--	--	--
12...	101	--	--	--	--	--	--	--	0	187	153	--
12...	101	--	--	290	72	26	94	3.4	1	185	154	153
12...	101	--	--	--	--	--	--	--	--	--	--	--
12...	99	--	--	--	--	--	--	--	--	--	--	--
JAN												
29...	105	--	--	--	--	--	--	--	4	171	146	--
MAY												
13...	111	--	--	--	--	--	--	--	0	196	160	--
JUL												
11...	128	K4	50	--	--	--	--	--	2	179	151	--
AUG												
11...	96	--	--	--	--	--	--	--	0	232	190	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT												
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	220	70	0.30	8.4	583	570	<0.010	0.300	0.340	0.020	0.020	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	<0.010	0.300	0.310	0.010	0.020	0.39
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	220	77	0.30	8.3	574	581	<0.010	0.300	0.320	0.010	<0.010	0.29
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	210	87	0.30	8.5	589	590	<0.010	0.300	0.280	0.010	<0.010	--
10...	--	--	--	--	--	--	<0.010	0.300	0.300	0.010	<0.010	0.19
10...	--	--	--	--	--	--	<0.010	0.300	0.300	0.010	0.010	0.29
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	220	66	0.30	8.1	564	562	<0.010	0.300	0.290	<0.010	<0.010	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	<0.010	0.300	0.320	0.010	0.020	0.19
11...	--	--	--	--	--	--	<0.010	0.300	0.300	<0.010	<0.010	--
11...	--	--	--	--	--	--	<0.010	0.300	0.300	0.010	<0.010	0.29
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	210	75	0.30	8.2	576	570	<0.010	0.300	0.290	0.010	0.010	0.19
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	<0.010	0.300	0.290	0.010	0.010	0.29
12...	210	94	0.30	8.2	601	601	<0.010	0.300	0.290	0.010	<0.010	0.29
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
13...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
11...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
11...	--	--	--	--	--	--	--	--	--	--	--	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990—CONTINUED

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	<0.20	--	--	0.010	--	<0.010	<0.010	<0.010	3.0	7	93
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	0.40	0.70	3.1	<0.010	--	<0.010	<0.010	<0.010	2.7	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	0.30	0.60	2.7	<0.010	--	<0.010	<0.010	<0.010	2.8	9	81
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	<0.20	--	--	<0.010	--	<0.010	<0.010	<0.010	2.8	22	83
10...	0.20	0.50	2.2	<0.010	--	<0.010	<0.010	<0.010	2.7	--	--
10...	0.30	0.60	2.7	<0.010	0.03	<0.010	0.010	<0.010	2.7	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	<0.20	--	--	<0.010	--	<0.010	<0.010	<0.010	2.7	8	82
11...	--	--	--	--	--	--	--	--	--	--	--
11...	0.20	0.50	2.2	<0.010	--	<0.010	<0.010	<0.010	2.9	--	--
11...	0.30	0.60	2.7	<0.010	--	<0.010	<0.010	<0.010	2.7	--	--
11...	0.30	0.60	2.7	<0.010	--	<0.010	<0.010	<0.010	2.7	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
12...	0.20	0.50	2.2	<0.010	--	<0.010	<0.010	<0.010	2.8	11	68
12...	--	--	--	--	--	--	--	--	--	--	--
12...	0.30	0.60	2.7	<0.010	--	<0.010	<0.010	<0.010	2.8	--	--
12...	0.30	0.60	2.7	0.040	--	<0.010	<0.010	<0.010	3.0	144	40
12...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
JAN											
29...	--	--	--	--	--	--	--	--	--	12	49
MAY											
13...	--	--	--	--	--	--	--	--	--	42	23
JUL											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG											
11...	--	--	--	--	--	--	--	--	--	--	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
NOV									
08...	1700	E8700	--	941	8.3	17.0	10.5	--	--
FEB									
11...	1230	5700	45.15	935	8.1	9.0	8.5	--	--
APR									
08...	1400	14500	49.50	990	8.3	23.0	13.0	380	>2.40
JUL									
16...	1215	5730	45.17	--	--	--	--	4.0	--
16...	1300	5730	45.17	970	8.2	38.0	16.5	--	44.0
SEP									
27...	0915	18600	51.21	800	8.3	36.0	17.5	8.5	--

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	CAR-BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV								
08...	743	11.0	101	--	--	--	0	190
FEB								
11...	745	11.2	98	148	0	181	--	--
APR								
08...	741	10.4	100	--	--	--	0	204
JUL								
16...	--	--	--	--	--	--	--	--
16...	736	8.7	104	--	--	--	0	179
SEP								
27...	739	10.2	101	--	--	--	0	185

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)
NOV								
08...	156	146	--	62	100	--	--	--
FEB								
11...	--	96	1480	43	100	--	--	--
APR								
08...	167	1010	39600	87	89	94	98	100
JUL								
16...	--	--	--	--	--	--	--	--
16...	147	32	495	74	93	98	100	--
SEP								
27...	152	271	13600	28	62	90	100	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV										
21...	1530	13100	48.90	1040	8.5	12.0	10.0	300	2.40	726
JAN										
24...	1445	E14400	--	790	8.6	16.0	8.5	--	--	749
25...	1100	E15500	--	981	8.5	14.0	8.5	--	13.2	739
APR										
04...	0900	E12200	--	1020	8.3	27.0	12.0	480	--	--
04...	1030	E12200	--	1020	8.3	27.0	12.0	--	--	739
JUN										
08...	1715	12900	48.79	1010	8.3	35.0	16.0	160	--	727
AUG										
08...	1835	15300	49.87	--	--	--	--	56	--	--
08...	1850	15200	49.80	978	8.2	--	14.5	--	--	730

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)
NOV										
21...	10.8	102	5	162	141	588	20800	--	--	--
JAN										
24...	11.4	100	0	415	340	--	--	--	--	--
25...	11.5	101	4	168	144	193	--	--	--	--
APR										
04...	10.6	101	--	--	--	1270	--	97	99	--
04...	10.6	101	0	188	154	--	--	--	--	--
JUN										
08...	9.5	101	0	176	144	581	20200	90	95	99
AUG										
08...	--	--	--	--	--	386	15900	--	--	--
08...	10	102	0	178	146	--	--	--	--	--

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV										
21...	--	49	70	83	90	92	93	96	99	100
JAN										
24...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	36	63	91	100
APR										
04...	100	--	--	--	--	--	97	99	100	--
04...	--	--	--	--	--	--	--	--	--	--
JUN										
08...	100	--	--	--	--	--	--	--	--	--
AUG										
08...	--	--	--	--	--	--	66	85	96	100
08...	--	--	--	--	--	--	--	--	--	--

Table 13. 09404200, Colorado River above Diamond Creek near Peach Springs, Arizona, water years 1990–95—Continued

PHYSICAL-PROPERTY AND CHEMICAL DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
OCT												
26...	1130	8570	46.73	960	8.3	12.5	5.50	728	10.3	102	7	164
FEB												
05...	1023	14600	49.54	--	--	9.0	--	--	--	--	--	--
APR												
24...	1455	13800	49.19	993	8.0	13.5	--	726	9.9	100	--	--

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT												
26...	146	296	6850	--	--	--	--	--	95	99	100	--
FEB												
05...	--	4520	178000	50	53	59	69	76	83	95	98	100
APR												
24...	--	--	--	--	--	--	--	--	--	--	--	--

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