

PERIOD OF RECORD.-- Water years 1963-66, 1968 to current year.

PERIOD OF DAILY RECORD:

WATER TEMPERATURES.-- October 1967 to September 30, 1981, October 1982 to current year (fragmentary records).

SUSPENDED-SEDIMENT DISCHARGE.-- October 1967 to current year.

REMARKS.--Sediment samples were collected two to three times per week by an observer from Apr. 11 to Sept. 30. In general, daily concentrations and loads for the open-water period are considered fair to poor. During the winter period, and for periods of no observer samples, daily sediment concentrations and loads are based primarily on concentrations of sediment in samples that were collected monthly, and on daily water-discharge records. Sediment records for the winter period are considered poor. Water temperatures were obtained by the observer at the time of sediment sampling, and monthly by U.S. Geological Survey personnel.

EXTREMES FOR PERIOD OF DAILY RECORD:

WATER TEMPERATURES.-- Maximum observed, 31.5 C, Aug. 6, 2001; minimum observed, 0.0 C on many days most winters.

SEDIMENT CONCENTRATIONS.-- Maximum daily mean, 2850 mg/L, Aug. 7, 1968; minimum daily mean, 9 mg/L, Jan. 15-19, 1991.

SEDIMENT LOADS.-- Maximum daily, 414,000 tons, June 21, 1993; minimum daily, 5.2 tons, Nov. 6, 1976.

EXTREMES FOR CURRENT YEAR:

WATER TEMPERATURES.-- Maximum observed, 31.5 C, Aug. 6; minimum observed, 2.0 C, Jan. 4 (assumed to be 0.0 C, many days during winter).

SEDIMENT CONCENTRATIONS.-- Maximum daily mean, 1250 mg/L, April 2; minimum daily mean, 55 mg/L, Mar. 21-23.

SEDIMENT LOADS.-- Maximum daily, 87,800 tons, April 12; minimum daily, 61 tons, Oct. 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	16.0	21.5	---	---
3	---	---	---	---	---	---	---	---	---	---	---	22.5
4	---	---	---	2.0	---	---	---	---	17.0	---	27.5	24.5
5	12.0	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	24.0	31.5	---
7	---	---	---	---	---	---	---	15.5	17.5	---	31.0	23.0
8	---	---	---	---	---	---	---	---	19.5	---	---	---
9	---	4.0	---	---	---	---	---	---	---	27.0	---	---
10	---	---	---	---	---	---	---	16.0	---	27.0	26.0	22.0
11	---	---	---	---	---	---	7.0	---	---	---	---	22.0
12	---	---	---	---	---	---	8.0	---	---	---	---	22.5
13	---	---	---	---	---	---	---	---	23.0	---	25.5	---
14	---	---	---	---	---	---	---	21.0	21.0	---	---	17.0
15	---	---	---	---	---	---	---	---	---	---	22.0	---
16	---	---	---	---	---	---	7.0	---	20.0	---	---	---
17	---	---	---	---	---	---	---	21.0	---	---	22.0	17.0
18	---	---	---	---	---	---	8.5	21.5	22.0	---	---	---
19	---	---	---	---	---	---	8.0	---	27.5	27.0	---	17.5
20	---	---	---	---	---	2.5	13.0	---	---	---	22.5	---
21	---	---	---	---	---	---	---	21.5	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	27.0	---	---
24	---	---	---	---	---	---	11.0	---	---	---	25.0	13.0
25	---	---	---	---	---	---	---	13.0	25.0	25.0	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	24.0	26.0	10.0
28	---	---	---	---	---	---	---	---	26.0	---	23.5	---
29	---	---	---	---	---	---	---	---	---	---	26.5	---
30	---	---	---	---	---	---	17.0	17.0	---	28.0	---	---
31	---	---	---	---	---	---	---	---	---	29.5	24.5	---

DATE	TIME	SAMPLE TYPE	GAGE HEIGHT (FEET) (00065)	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)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
OCT												
13...	0830	ENVIRONMENTAL	1.17	297	1030	8.2	16.0	12.6	742	9.6	93	5.0
NOV												
16...	1035	ENVIRONMENTAL	2.92	--	871	--	--	--	--	--	--	--
16...	1040	ENVIRONMENTAL	2.92	--	851	--	--	--	--	--	--	--
APR												
04...	1245	ENVIRONMENTAL	18.23	36900	272	7.4	12.0	1.1	751	13.0	92	--
JUL												
02...	1520	ENVIRONMENTAL	10.01	11700	850	8.1	24.0	23.0	743	6.2	75	--

