15261000 COOPER CREEK AT MOUTH NEAR COOPER LANDING

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 1998 to current year.

INSTRUMENTATION.--Electronic water-temperature recorder set for 15 minute recording interval.

REMARKS.--Records represent water temperature at the sensor within 0.5°C. Temperature at the sensor was compared with the average for the stream by cross section on April 13 and August 13. Variations found in the cross sections were less than 0.2°C. No variation was found between mean stream temperature and sensor temperature. Heavy shore ice occurs near the gage.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 12.5°C, July 7 and 12, 2004 and August 17, 2004; Minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum,12.5°C, July 7,12 and August 17; Minimum, 0.0°C on many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Stream width, feet (00004)	Location in X-sect. looking downstream ft from l bank (00009)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
APR									
13...	1215	32.0	6.00	9.82	14	10	8010	1.6	5.6
13...	1218	32.0	12.0	9.82	14	10	8010	1.6	5.6
13...	1221	32.0	18.0	9.82	14	10	8010	1.5	5.6
13...	1224	32.0	24.0	9.82	14	10	8010	1.6	5.6
13...	1227	32.0	30.0	9.82	14	10	8010	1.5	5.6
AUG									
13...	1200	28.0	4.00	9.96	24	10	8010	8.7	17.3
13...	1205	28.0	9.00	9.96	24	10	8010	8.6	17.3
13...	1210	28.0	14.0	9.96	24	10	8010	8.6	17.3
13...	1215	28.0	20.0	9.96	24	10	8010	8.6	17.3
13...	1220	28.0	26.0	9.96	24	10	8010	8.5	17.3

WATER TEMPERATURE, (DEGREES CELSIUS), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.0	7.5	4.0	2.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
2	7.0	6.0	6.5	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
3	6.0	5.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
4	5.5	4.5	5.0	3.5	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
5	6.0	5.0	5.5	3.5	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
6	6.0	5.0	5.5	4.0	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
7	6.0	4.5	5.5	3.5	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
8	5.0	3.0	4.0	3.5	2.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
9	4.5	3.5	4.5	2.5	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
10	4.0	2.5	3.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
11	4.5	3.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3.5	2.0	2.5	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
13	4.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	4.5	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	4.0	2.0	3.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
16	2.0	0.5	1.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
17	2.0	0.5	1.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
18	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.5	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	2.5	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	3.0	1.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	3.5	1.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	4.5	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.5	1.5	2.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	8.0	0.0	3.4	4.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0

15261000 COOPER CREEK AT MOUTH NEAR COOPER LANDING—Continued

WATER TEMPERATURE, (DEGREES CELSIUS), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	1.5	1.0	1.0	0.0	0.0	0.0	3.0	1.5	2.0
2	0.5	0.0	0.0	1.5	1.0	1.0	0.0	0.0	0.0	3.0	1.5	2.0
3	0.5	0.5	0.5	1.5	1.0	1.0	0.0	0.0	0.0	4.0	1.0	2.5
4	0.5	0.5	0.5	1.0	0.5	1.0	1.0	0.0	0.5	4.5	1.5	2.5
5	0.5	0.5	0.5	0.5	0.0	0.5	1.0	0.5	1.0	4.0	1.5	2.5
6	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.5	1.0	4.5	1.5	2.5
7	0.5	0.5	0.5	0.0	0.0	0.0	1.5	0.5	1.0	4.5	1.5	2.5
8	1.0	0.0	0.5	0.0	0.0	0.0	2.0	0.5	1.0	4.0	1.5	2.5
9	1.0	0.5	0.5	0.0	0.0	0.0	1.5	1.0	1.0	4.0	1.5	2.5
10	0.5	0.0	0.0	0.0	0.0	0.0	2.5	1.0	1.5	4.5	2.0	3.0
11	0.5	0.0	0.0	0.0	0.0	0.0	2.0	0.5	1.0	4.5	2.5	3.0
12	1.0	0.0	0.5	0.0	0.0	0.0	2.0	0.5	1.0	5.0	2.5	3.0
13	1.0	0.5	1.0	0.0	0.0	0.0	2.5	0.5	1.5	5.5	2.0	3.5
14	1.0	0.5	1.0	1.0	0.0	0.5	2.5	1.0	1.5	5.5	2.0	3.5
15	0.5	0.0	0.0	1.0	0.5	0.5	2.5	0.5	1.5	5.0	2.0	3.0
16	0.0	0.0	0.0	0.5	0.0	0.0	1.5	1.0	1.5	4.0	2.5	3.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.0	1.5	5.0	2.5	3.5
18	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.0	1.5	5.5	2.5	3.5
19	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	2.0	5.5	3.0	4.0
20	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	2.0	6.0	2.5	4.0
21	1.0	0.0	0.5	0.0	0.0	0.0	3.0	0.5	1.5	6.0	2.5	4.0
22	1.0	0.5	0.5	0.0	0.0	0.0	3.0	1.0	2.0	6.0	2.5	4.0
23	1.0	0.5	1.0	0.0	0.0	0.0	3.0	1.0	2.0	4.0	3.0	3.5
24	1.5	1.0	1.0	0.0	0.0	0.0	3.0	1.0	2.0	4.0	2.5	3.5
25	1.0	0.5	0.5	0.0	0.0	0.0	3.0	1.5	2.0	4.5	2.5	3.5
26	0.5	0.5	0.5	0.5	0.0	0.5	3.5	1.0	2.0	5.5	3.0	4.0
27	1.0	0.5	1.0	1.0	0.0	0.5	2.0	1.5	1.5	6.0	3.0	4.5
28	1.0	0.5	1.0	0.5	0.0	0.5	2.5	1.5	2.0	4.5	3.0	3.5
29	1.5	0.5	1.0	0.5	0.0	0.5	2.5	1.5	2.0	6.5	3.0	4.0
30	---	---	---	0.0	0.0	0.0	4.0	1.5	2.0	6.5	2.5	4.0
31	---	---	---	0.0	0.0	0.0	---	---	---	6.0	3.5	4.5
MONTH	1.5	0.0	0.4	1.5	0.0	0.2	4.0	0.0	1.4	6.5	1.0	3.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	2.5	4.5	9.5	6.5	8.0	10.5	7.0	9.0	9.0	7.5	8.5
2	6.5	3.5	4.5	9.5	6.0	7.5	11.0	7.0	9.5	9.5	8.0	8.5
3	7.0	3.5	4.5	10.0	6.5	8.0	11.5	7.0	9.5	9.0	7.0	8.0
4	7.5	3.0	5.0	10.0	7.0	8.0	11.0	8.0	9.5	7.0	4.5	5.5
5	6.0	4.0	5.0	9.0	6.0	7.5	11.5	7.5	9.5	6.5	3.5	5.0
6	6.5	4.0	5.0	11.0	6.0	8.5	10.5	6.5	9.0	7.0	5.0	6.0
7	7.5	3.5	5.0	12.5	6.5	9.5	11.5	7.5	9.5	6.5	4.0	5.0
8	6.0	4.0	5.0	11.5	7.0	9.5	12.0	8.0	10.0	6.0	3.5	5.0
9	6.5	3.5	4.5	11.5	7.0	9.0	11.0	8.0	9.5	6.5	3.5	5.0
10	6.0	3.5	5.0	11.5	6.5	9.0	11.5	7.5	10.0	7.5	5.5	6.5
11	6.5	3.5	5.0	11.5	6.5	9.0	11.5	8.0	10.0	6.5	4.0	5.0
12	6.5	3.5	5.0	12.5	7.5	10.0	11.0	8.0	9.5	6.5	3.5	5.0
13	8.0	4.0	5.5	12.0	7.0	9.5	11.0	7.5	9.5	5.5	4.0	5.0
14	8.0	4.0	5.5	11.0	7.0	9.0	11.0	7.5	9.5	4.0	2.0	3.0
15	6.5	4.5	5.5	12.0	7.5	9.5	11.0	8.0	9.5	4.0	1.5	2.5
16	6.0	4.5	5.0	11.5	7.0	9.5	11.5	8.0	10.0	3.5	1.5	2.5
17	7.5	4.5	5.5	10.5	8.0	9.5	12.5	9.0	10.5	2.5	0.5	1.5
18	8.5	4.5	6.0	10.5	8.0	9.0	12.0	9.0	10.5	3.5	0.5	2.0
19	9.5	4.0	6.5	10.5	8.0	9.0	11.5	9.5	10.5	4.0	3.0	3.5
20	9.5	4.0	6.5	10.5	7.5	9.0	11.0	9.0	10.0	6.0	4.0	5.0
21	10.0	4.5	7.0	9.5	7.5	8.5	10.5	7.5	9.0	5.5	4.0	4.5
22	10.0	4.5	7.0	9.5	7.5	8.5	11.0	7.5	9.0	6.5	4.5	5.0
23	10.5	5.0	7.5	11.0	7.5	9.0	11.5	8.0	9.5	6.0	3.5	5.0
24	10.5	4.5	7.0	11.0	6.5	8.5	11.5	8.5	10.0	3.5	1.0	2.0
25	11.0	5.0	8.0	10.0	7.0	8.5	10.5	7.5	9.0	4.0	2.5	3.0
26	11.5	6.0	8.5	10.0	8.0	9.0	9.5	8.5	9.0	5.5	4.0	4.5
27	10.5	6.0	8.0	9.0	7.5	8.0	9.0	8.5	9.0	4.5	2.5	3.0
28	8.0	6.0	7.0	9.5	7.0	8.0	9.5	7.0	8.0	4.0	2.0	3.0
29	9.0	6.0	7.5	9.5	6.0	8.0	8.5	5.5	7.0	5.0	3.5	4.0
30	11.0	6.5	8.5	9.5	7.0	8.0	9.0	6.5	8.0	6.5	4.5	5.5
31	---	---	---	9.5	6.5	8.0	9.0	6.5	8.0	---	---	---
MONTH	11.5	2.5	6.0	12.5	6.0	8.7	12.5	5.5	9.4	9.5	0.5	4.6