

SOUTHEAST ALASKA

1501595 UNUK RIVER BELOW BLUE RIVER NEAR WRANGELL

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April 2003 to current year.

INSTRUMENTATION.--Digital water-temperature recorder with 15-minute recording interval.

REMARKS.--Records represent water temperature at the sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on September 26. No variation was found in the temperature cross sections. The variation found between mean stream temperature and sensor temperature was less than 0.2°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 11.0°C, July 9, 23-24, 2004; minimum, 0.0°C, many days during most winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 10.5°C, several days in June, July, and August; minimum, 0.0°C, many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Stream width, feet (00004)	Location in X-sect. looking downstrm ft from bank (00009)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
SEP								
26...	1530	144	20.0	23.73	5750	10	7.7	12.2
26...	1531	144	45.0	23.73	5750	10	7.7	12.2
26...	1532	144	70.0	23.73	5750	10	7.7	12.2
26...	1533	144	95.0	23.73	5750	10	7.7	12.2
26...	1534	144	120	23.73	5750	10	7.7	12.2

TEMPERATURE, WATER (DEGREES CELSIUS), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	6.0	6.5	4.0	3.0	3.5	3.5	3.5	3.5	0.0	0.0	0.0
2	7.5	6.0	6.5	3.5	3.0	3.5	4.0	3.0	3.5	0.0	0.0	0.0
3	7.5	5.5	6.5	3.5	3.5	3.5	3.5	3.0	3.0	0.0	0.0	0.0
4	7.0	6.5	6.5	3.5	2.5	3.0	3.0	2.5	3.0	0.0	0.0	0.0
5	6.5	6.0	6.5	4.0	2.5	3.0	2.5	0.5	1.5	0.5	0.0	0.0
6	6.0	5.5	6.0	3.5	2.0	3.0	0.5	0.0	0.5	0.5	0.0	0.0
7	6.5	6.0	6.0	2.5	2.0	2.0	0.5	0.0	0.0	0.5	0.0	0.0
8	6.5	6.0	6.5	3.0	2.5	2.5	1.0	0.5	0.5	0.5	0.0	0.0
9	6.5	6.0	6.5	2.5	2.0	2.5	1.0	0.5	1.0	0.0	0.0	0.0
10	6.5	6.0	6.5	2.5	1.5	2.0	1.5	1.0	1.0	0.5	0.0	0.0
11	6.5	5.5	6.0	2.0	1.5	1.5	2.0	1.0	1.5	0.5	0.0	0.0
12	6.0	5.5	5.5	2.0	1.5	1.5	2.0	1.5	2.0	0.0	0.0	0.0
13	6.5	6.0	6.5	2.5	2.0	2.0	2.0	1.5	1.5	0.0	0.0	0.0
14	6.5	6.0	6.0	3.0	2.0	2.5	2.5	2.0	2.0	0.0	0.0	0.0
15	7.0	5.5	6.0	3.0	3.0	3.0	2.5	2.0	2.5	0.0	0.0	0.0
16	5.5	4.5	5.0	3.5	3.0	3.0	2.5	1.5	2.0	0.0	0.0	0.0
17	5.0	4.0	4.5	3.5	2.5	3.0	2.5	1.5	2.0	0.0	0.0	0.0
18	4.0	3.5	3.5	2.5	2.0	2.0	2.5	2.0	2.5	0.0	0.0	0.0
19	3.5	2.0	3.0	2.5	1.5	2.0	2.5	2.0	2.0	0.5	0.0	0.5
20	4.5	3.0	3.5	3.0	2.5	3.0	2.5	2.0	2.5	0.5	0.5	0.5
21	3.5	3.0	3.0	3.0	2.0	2.5	2.5	2.0	2.5	1.0	0.5	0.5
22	4.0	2.5	3.5	3.0	2.5	3.0	2.5	2.5	2.5	1.0	0.5	0.5
23	4.0	3.0	3.5	2.5	1.5	2.5	3.0	2.5	2.5	0.5	0.5	0.5
24	3.5	3.0	3.0	2.5	1.5	2.0	3.0	2.5	2.5	0.5	0.0	0.5
25	4.0	3.0	3.5	3.0	2.5	2.5	2.5	1.5	2.0	1.0	0.5	0.5
26	3.5	2.5	3.0	3.0	2.5	3.0	1.5	0.5	0.5	1.0	1.0	1.0
27	3.0	2.0	2.5	3.0	3.0	3.0	1.0	0.5	1.0	1.5	1.0	1.0
28	4.0	3.0	3.5	3.5	3.0	3.5	0.5	0.0	0.5	1.5	1.5	1.5
29	3.5	3.0	3.5	3.5	3.0	3.5	0.5	0.0	0.5	2.0	1.5	1.5
30	4.0	3.5	4.0	3.5	3.0	3.5	0.0	0.0	0.0	2.0	0.5	1.5
31	4.0	3.5	4.0	---	---	---	0.0	0.0	0.0	1.5	0.5	1.0
MONTH	7.5	2.0	4.9	4.0	1.5	2.7	4.0	0.0	1.7	2.0	0.0	0.4

SOUTHEAST ALASKA

1501595 UNUK RIVER BELOW BLUE RIVER NEAR WRANGELL—Continued

TEMPERATURE, WATER (DEGREES CELSIUS), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.5	0.0	1.0	3.0	2.0	2.5	4.0	2.0	3.0	7.0	4.0	5.5
2	2.0	1.0	1.5	3.0	2.5	2.5	3.0	1.5	2.5	6.5	4.5	5.5
3	2.0	1.5	2.0	2.5	2.0	2.0	5.5	2.5	3.5	7.0	4.5	6.0
4	2.0	1.0	1.5	2.5	2.0	2.0	4.5	2.5	3.5	7.5	4.0	6.0
5	1.5	0.0	0.5	3.0	2.0	2.5	4.5	3.0	3.5	7.0	5.0	6.0
6	0.0	0.0	0.0	3.0	2.0	2.5	6.5	3.5	4.5	8.5	4.0	6.0
7	0.5	0.0	0.5	3.0	2.0	2.5	6.5	4.0	5.0	8.0	4.0	6.0
8	0.5	0.0	0.5	3.0	1.5	2.5	6.5	3.5	4.5	8.5	4.0	6.0
9	1.0	0.0	0.5	3.0	1.5	2.5	5.0	4.0	4.5	8.5	4.0	6.5
10	0.5	0.0	0.5	2.5	1.5	2.0	4.5	3.5	4.0	8.5	4.0	6.5
11	1.0	0.0	0.5	2.5	1.5	2.0	6.0	3.5	4.5	7.0	4.5	6.0
12	1.5	0.5	1.0	3.5	2.0	3.0	6.0	3.5	4.5	6.5	4.5	6.0
13	2.0	1.0	1.0	4.0	2.0	3.0	5.0	3.0	4.0	7.0	5.0	6.0
14	1.5	0.5	1.0	4.0	2.0	3.0	5.5	4.0	4.5	6.5	4.5	5.5
15	1.0	0.0	0.5	3.5	2.5	3.0	4.5	3.5	4.0	6.0	4.0	5.0
16	1.5	0.5	1.0	3.5	1.5	2.5	4.5	3.5	4.0	7.0	4.5	5.5
17	2.0	0.5	1.0	3.5	1.0	2.0	6.5	3.0	4.5	8.0	4.5	6.0
18	2.0	1.0	1.5	3.0	0.5	1.5	6.5	4.5	5.5	8.0	4.5	6.5
19	1.5	0.5	1.0	1.0	0.0	0.5	5.5	4.0	5.0	7.0	5.5	6.5
20	1.0	0.5	0.5	1.0	0.0	0.5	6.0	4.0	5.0	6.5	5.0	6.0
21	1.0	0.0	0.5	2.5	0.5	1.5	5.5	3.5	4.5	8.0	4.5	6.5
22	2.0	0.5	1.0	4.5	2.0	3.0	7.0	3.0	5.0	8.0	5.0	6.5
23	2.5	1.5	2.0	4.5	1.5	2.5	7.5	3.0	5.0	7.5	5.5	6.5
24	1.5	0.5	1.0	4.5	1.0	2.5	7.0	3.0	5.0	8.0	5.5	6.5
25	3.0	1.5	2.0	3.5	1.5	2.5	6.5	2.5	4.5	9.0	4.5	7.0
26	2.5	2.0	2.0	4.0	2.5	3.5	7.0	3.0	5.0	9.5	5.5	7.0
27	3.0	2.0	2.0	4.5	3.0	3.5	7.0	3.0	5.0	8.5	5.5	7.0
28	4.0	2.0	2.5	4.5	2.5	3.5	7.0	3.0	5.0	9.5	5.0	7.5
29	---	---	---	5.0	3.0	3.5	6.5	3.0	5.0	8.0	5.5	6.5
30	---	---	---	4.5	2.0	3.5	6.0	3.0	4.5	9.0	5.5	7.0
31	---	---	---	4.5	3.0	3.5	---	---	---	9.5	5.5	7.0
MONTH	4.0	0.0	1.1	5.0	0.0	2.5	7.5	1.5	4.4	9.5	4.0	6.3

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	5.5	7.0	8.0	7.0	7.5	8.5	6.5	7.5	7.5	6.5	7.0
2	9.0	5.5	7.5	8.0	6.5	7.0	9.5	6.5	8.0	8.0	6.5	7.0
3	8.5	5.5	7.0	7.5	6.0	7.0	8.5	6.5	7.0	8.5	6.5	7.5
4	8.0	5.5	7.0	7.5	6.0	7.0	8.5	6.5	7.5	8.5	7.0	7.5
5	8.5	5.0	7.0	7.0	6.5	6.5	7.5	6.5	7.0	8.5	6.5	7.5
6	8.0	6.0	6.5	8.0	6.0	7.0	9.0	6.5	7.5	8.0	7.0	7.0
7	8.0	6.5	7.0	8.0	6.0	7.0	10.0	6.5	8.0	7.5	7.0	7.0
8	9.5	6.0	7.5	8.5	6.0	7.0	10.5	6.5	8.5	8.0	6.5	7.0
9	8.5	5.5	7.5	9.0	6.0	7.5	10.5	7.0	8.5	8.5	6.5	7.5
10	8.0	6.0	7.0	8.5	6.5	7.5	10.5	6.5	8.5	7.5	6.0	7.0
11	9.5	5.5	7.5	8.5	6.5	7.5	10.5	6.5	8.5	9.0	6.5	7.5
12	8.5	6.0	7.0	8.5	6.5	7.5	10.5	7.0	8.5	8.5	6.5	7.5
13	8.0	6.0	7.0	8.5	7.0	7.5	10.5	7.0	8.5	9.0	7.0	7.5
14	9.0	6.0	7.0	7.5	6.5	7.0	10.5	7.0	8.5	8.0	6.5	7.0
15	9.0	6.0	7.5	9.0	6.5	7.5	9.0	7.0	7.5	8.5	6.5	7.5
16	10.0	5.5	8.0	10.5	6.5	8.0	8.5	6.5	7.5	8.0	6.5	7.5
17	10.5	6.0	8.5	9.0	7.0	8.0	10.0	6.5	8.0	7.5	6.5	7.0
18	10.5	6.5	8.0	8.5	6.5	7.5	8.5	7.0	7.5	7.0	6.5	6.5
19	9.0	7.0	7.5	9.5	6.5	8.0	8.0	7.0	7.5	7.0	6.5	7.0
20	9.0	6.5	8.0	8.5	6.5	7.5	7.5	6.5	7.0	8.0	6.5	7.0
21	9.0	6.0	7.5	9.5	6.5	8.0	7.5	6.5	7.0	8.0	6.5	7.5
22	8.5	6.0	7.5	10.5	6.5	8.0	7.5	6.5	7.0	8.0	6.5	7.5
23	8.5	6.5	7.0	9.0	7.0	8.0	9.0	6.5	8.0	8.0	7.0	7.5
24	8.5	6.5	7.5	9.5	6.5	8.0	9.5	6.5	8.0	8.0	7.0	7.5
25	10.5	6.5	8.5	9.0	6.5	8.0	8.5	7.0	8.0	7.5	6.5	7.0
26	9.0	7.0	8.0	9.0	7.0	8.0	8.5	7.0	8.0	8.0	6.5	7.0
27	9.0	7.5	8.0	8.5	7.5	8.0	8.5	6.5	7.5	7.0	5.5	6.0
28	8.5	7.0	7.5	9.0	6.5	8.0	9.0	6.5	7.5	6.5	6.0	6.5
29	9.0	6.5	7.5	8.5	6.5	7.5	7.5	6.5	7.0	7.0	6.0	6.5
30	8.5	6.5	7.5	9.0	6.0	7.5	7.5	6.5	7.0	7.0	6.5	6.5
31	---	---	---	8.5	6.5	7.5	7.5	6.5	7.0	---	---	---
MONTH	10.5	5.0	7.5	10.5	6.0	7.5	10.5	6.5	7.7	9.0	5.5	7.1