

SOUTHEAST ALASKA

15129510 OLD SITUK RIVER NEAR YAKUTAT

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- June 2003 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 2003 to current year.

INSTRUMENTATION.--Water-temperature recorder set for 15-minute recording interval.

REMARKS.--Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on June 15, 2005. No variation was found within the cross section and no variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 16.0°C, June 19, 2004; minimum, 0.0°C on many days during most winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.5°C, July 8, 9, and 15; minimum, 0.0°C, March 22.

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

Date	Time	Stream width, feet (00004)	Location in X-sect. looking dwnstrm ft from l bank (00009)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
June							
15...	1345	27.0	4.0	14.44	14.9	8.0	12.0
15...	1346	27.0	8.0	14.44	14.9	8.0	12.0
15...	1347	27.0	12.0	14.44	14.9	8.0	12.0
15...	1348	27.0	16.0	14.44	14.9	8.0	12.0
15...	1349	27.0	20.0	14.44	14.9	8.0	12.0
15...	1350	27.0	24.0	14.44	14.9	8.0	12.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	7.0	7.0	4.5	4.0	4.0	5.0	4.5	4.5	2.0	1.5	1.5
2	7.5	7.0	7.5	4.0	2.5	3.5	4.5	3.5	4.0	3.5	2.0	2.5
3	7.5	7.0	7.0	4.5	2.5	4.0	4.0	2.5	3.5	4.0	3.5	3.5
4	7.5	7.0	7.5	4.0	2.5	3.5	3.5	3.0	3.0	4.0	4.0	4.0
5	7.5	7.0	7.0	3.5	2.0	2.5	3.5	3.0	3.0	4.0	3.0	3.5
6	7.0	6.0	6.5	3.5	2.5	3.0	3.5	3.0	3.5	3.0	2.0	2.5
7	7.0	6.0	6.5	3.5	2.5	3.0	3.5	2.5	3.0	2.5	2.0	2.0
8	7.0	6.0	6.5	3.0	1.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0
9	6.5	5.5	6.0	4.0	2.5	3.5	3.5	2.0	2.5	2.5	2.0	2.0
10	6.5	6.0	6.5	4.0	3.5	4.0	3.5	2.5	3.0	3.0	2.0	2.5
11	6.5	5.0	6.0	4.0	3.5	4.0	3.5	2.0	2.5	2.0	0.5	1.0
12	7.0	5.5	6.0	4.5	4.0	4.0	4.0	3.5	3.5	1.5	0.5	1.0
13	7.0	6.5	7.0	4.5	4.0	4.5	3.5	3.0	3.5	1.5	1.0	1.5
14	7.0	6.5	6.5	4.0	3.5	4.0	4.0	3.0	3.5	2.5	1.0	1.5
15	6.5	5.0	6.0	4.0	3.5	3.5	4.0	3.0	3.5	3.0	2.0	2.5
16	5.5	5.0	5.0	4.5	4.0	4.0	4.5	4.0	4.0	2.5	2.0	2.5
17	5.0	4.0	4.5	4.0	3.5	4.0	4.5	4.0	4.5	3.0	2.5	2.5
18	4.5	3.5	4.0	4.0	1.5	3.5	4.5	4.0	4.5	2.5	2.0	2.0
19	4.5	3.5	4.0	4.0	2.0	3.5	4.0	4.0	4.0	2.5	1.5	2.0
20	5.0	4.0	4.5	4.0	4.0	4.0	4.0	3.0	3.5	3.5	2.5	3.0
21	5.0	4.5	4.5	4.0	3.5	4.0	4.0	3.0	3.5	4.0	3.0	3.5
22	4.5	3.5	4.0	4.0	3.5	4.0	4.5	4.0	4.0	4.0	4.0	4.0
23	4.5	3.0	3.5	4.0	4.0	4.0	4.5	4.0	4.5	4.0	3.0	3.5
24	5.0	4.0	4.5	4.0	3.5	4.0	4.5	3.5	4.0	3.5	2.5	3.0
25	4.0	3.5	3.5	4.0	3.5	3.5	3.5	2.5	3.0	3.5	2.5	3.5
26	4.5	3.5	4.0	4.0	3.5	3.5	3.5	2.5	3.0	3.0	2.0	2.5
27	5.0	4.5	5.0	4.5	4.0	4.0	3.5	1.0	2.0	3.5	2.5	3.0
28	5.0	4.5	5.0	4.5	4.0	4.5	3.5	2.5	3.0	3.5	2.5	3.0
29	5.0	4.5	5.0	4.0	4.0	4.0	3.0	2.0	2.5	4.0	3.5	3.5
30	4.5	3.5	4.0	4.5	4.0	4.5	2.0	1.5	1.5	4.0	3.5	4.0
31	4.0	3.0	3.5	---	---	---	2.0	1.5	2.0	4.0	3.5	4.0
MONTH	7.5	3.0	5.4	4.5	1.5	3.8	5.0	1.0	3.3	4.0	0.5	2.7

SOUTHEAST ALASKA

15129510 OLD SITUK RIVER NEAR YAKUTAT—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	3.5	2.5	3.0	3.5	3.0	3.5	5.0	2.5	4.0	10.5	4.5	7.0
2	2.5	1.0	1.5	4.0	3.5	3.5	6.0	2.0	4.0	10.5	4.5	7.0
3	2.0	1.5	2.0	4.0	3.0	3.5	6.0	2.5	4.0	9.5	5.5	7.0
4	2.0	1.5	2.0	4.0	3.0	3.5	5.0	2.5	4.0	7.5	5.5	6.5
5	1.5	1.0	1.0	4.0	3.5	3.5	7.0	3.5	5.0	10.5	5.0	7.0
6	2.5	1.0	1.5	4.0	3.5	3.5	5.5	4.0	5.0	11.0	5.0	7.5
7	2.5	1.0	2.0	4.5	3.5	4.0	6.5	3.0	4.5	11.5	5.0	8.0
8	2.5	1.0	2.0	4.5	3.5	4.0	5.5	3.0	4.0	12.5	5.0	8.0
9	3.0	2.0	2.5	4.5	4.0	4.0	5.0	4.0	4.5	12.0	5.5	8.5
10	3.0	2.5	2.5	4.0	3.5	4.0	6.0	4.0	5.0	12.5	6.0	8.5
11	3.5	2.5	3.0	4.5	3.5	3.5	5.5	3.0	4.5	11.5	6.0	8.5
12	2.5	2.0	2.5	4.0	3.5	3.5	6.0	4.0	5.0	8.5	7.0	7.5
13	2.5	1.5	2.0	5.0	3.5	4.0	7.0	4.0	5.5	8.5	6.5	7.5
14	3.5	2.5	3.0	4.5	3.5	4.0	7.0	4.5	5.5	9.0	6.5	7.5
15	3.5	3.0	3.5	4.5	2.5	3.5	8.0	3.0	5.0	11.0	6.5	8.0
16	3.5	3.0	3.0	4.5	2.5	3.5	8.5	3.0	5.0	9.0	5.5	7.5
17	4.0	3.0	3.5	4.5	2.5	3.5	8.5	3.0	5.5	9.5	6.0	7.5
18	3.5	3.0	3.0	5.0	2.5	3.5	5.5	4.5	4.5	12.5	5.0	8.0
19	3.5	2.5	3.0	4.5	2.0	3.5	5.5	4.0	5.0	10.0	6.0	8.0
20	4.5	3.5	3.5	4.0	2.5	3.0	7.5	5.0	6.0	9.0	6.5	7.5
21	4.0	3.0	3.5	3.5	1.5	2.5	6.0	5.0	5.5	9.0	6.5	7.5
22	3.5	3.0	3.5	3.0	0.0	1.5	8.0	5.0	6.0	12.5	5.0	8.0
23	4.0	3.0	3.5	5.5	2.0	4.0	9.0	4.5	6.5	11.0	6.5	8.5
24	4.0	3.0	3.5	6.0	3.0	4.5	10.0	4.5	7.0	8.5	7.0	7.5
25	3.5	3.0	3.5	5.5	3.0	4.0	10.5	5.0	7.5	10.5	5.5	8.0
26	3.5	3.5	3.5	6.0	3.5	4.5	10.0	6.0	7.5	8.5	7.0	7.5
27	3.5	3.0	3.5	5.0	4.0	4.5	10.5	5.5	7.5	7.5	6.5	7.0
28	3.5	3.0	3.5	4.0	2.5	3.5	11.0	6.0	8.0	9.0	6.0	7.5
29	---	---	---	4.5	3.0	3.5	11.0	5.5	7.5	10.0	6.5	8.0
30	---	---	---	3.5	2.5	3.0	11.5	5.0	7.5	8.5	7.0	7.5
31	---	---	---	4.5	3.0	3.5	---	---	---	10.5	6.0	8.0
MONTH	4.5	1.0	2.8	6.0	0.0	3.6	11.5	2.0	5.5	12.5	4.5	7.7

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	6.5	8.5	9.0	8.0	8.5	8.5	6.5	7.0	7.0	5.0	6.0
2	12.5	6.0	8.5	9.5	7.5	8.5	9.0	6.0	7.5	8.0	5.5	6.5
3	12.5	6.5	9.0	11.0	7.5	9.5	8.5	6.5	7.5	8.5	5.5	6.5
4	9.5	6.5	8.0	10.0	8.5	9.0	6.5	6.0	6.0	8.0	6.0	7.0
5	10.5	6.5	8.0	14.0	7.5	10.0	6.0	5.5	6.0	7.5	6.5	7.0
6	13.0	6.0	9.0	11.0	8.5	9.5	7.0	5.5	6.0	7.0	5.5	6.5
7	11.0	7.0	9.0	11.0	8.0	9.0	8.0	5.0	6.5	7.0	6.0	6.5
8	10.5	6.5	8.5	14.5	8.0	10.5	9.0	5.5	7.0	7.0	5.5	6.5
9	12.0	7.0	9.0	14.5	9.0	11.0	8.5	5.5	7.0	6.5	5.0	6.0
10	9.5	7.5	8.5	11.5	9.0	10.5	9.0	6.0	7.5	7.0	6.0	6.0
11	10.0	6.5	8.0	11.0	8.5	9.5	9.0	5.5	7.5	6.5	5.5	6.0
12	9.5	7.0	8.0	10.0	9.0	9.5	9.0	6.5	7.5	6.0	6.0	6.0
13	12.5	6.5	9.0	10.0	8.0	9.0	9.5	6.0	7.5	6.5	5.0	6.0
14	10.0	7.5	9.0	11.5	8.0	10.0	9.0	6.5	7.5	6.5	4.5	6.0
15	9.0	7.0	8.0	14.5	8.0	10.5	8.0	7.0	7.0	6.5	5.0	6.0
16	13.5	7.0	9.5	11.5	9.5	10.5	8.5	6.5	7.0	7.0	6.0	6.5
17	14.0	7.5	10.5	10.0	9.0	9.5	7.5	6.5	7.0	7.5	6.5	7.0
18	12.0	8.5	10.5	10.0	8.0	9.0	7.5	6.5	7.0	6.5	6.0	6.5
19	10.5	8.5	9.0	11.5	8.0	9.5	7.5	6.5	7.0	6.5	6.0	6.0
20	10.5	7.0	8.5	9.5	8.0	9.0	7.5	6.0	6.5	6.5	5.5	6.0
21	10.5	7.0	8.5	10.0	7.5	9.0	7.0	6.0	6.5	6.0	5.5	5.5
22	8.5	7.5	8.0	13.0	7.5	9.5	7.0	6.0	6.5	6.0	5.5	6.0
23	12.0	7.0	9.0	11.0	8.5	9.5	7.0	6.0	6.5	6.5	6.0	6.0
24	13.5	7.0	10.0	---	---	---	7.0	6.0	6.5	6.5	6.0	6.0
25	13.5	8.0	10.5	---	---	---	6.5	5.5	6.0	6.0	5.5	5.5
26	14.0	8.0	10.5	---	---	---	6.5	5.5	6.0	6.0	5.5	5.5
27	12.0	9.0	10.5	---	---	---	8.0	5.5	6.5	5.5	5.5	5.5
28	10.5	8.5	9.0	---	---	---	8.0	5.0	6.5	6.0	5.5	5.5
29	9.5	8.0	9.0	8.5	7.0	7.5	7.0	6.0	6.5	5.5	5.5	5.5
30	10.0	8.0	9.0	8.5	6.5	7.0	6.5	6.0	6.5	5.5	5.5	5.5
31	---	---	---	7.5	6.5	7.0	7.0	6.0	6.0	---	---	---
MONTH	14.0	6.0	9.0	---	---	---	9.5	5.0	6.8	8.5	4.5	6.1