

# SOUTHEAST ALASKA

## 15085100 OLD TOM CREEK NEAR KASAAN

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959, and 1965 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1964, April 1965 to February 1975, June 1975 to April 1978, and November 1978 to current year.

INSTRUMENTATION.--Electronic water-temperature recorder set for 15-minute recording interval since April 11, 1996.

REMARKS.--Record missing from December 2-3, 7-8, and January 17-21 due to faulty probe. 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 August 16. No variation was found within the cross section. The variation found between mean stream temperature and sensor temperature was less than 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 18.5°C, July 3, 1998, and June 23, 2004; minimum, 0.0°C, on many days during most winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.5°C, August 13; minimum, 0.0°C, on 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 l bank (00009)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
AUG								
16...	0915	23.9	2.00	1.71	4.5	10	14.1	15.2
16...	0916	23.9	6.00	1.71	4.5	10	14.1	15.2
16...	0917	23.9	10.0	1.71	4.5	10	14.1	15.2
16...	0918	23.9	14.0	1.71	4.5	10	14.1	15.2
16...	0919	23.9	18.0	1.71	4.5	10	14.1	15.2
16...	0920	23.9	22.0	1.71	4.5	10	14.1	15.2

#### 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	9.0	8.0	8.5	6.0	5.5	6.0	5.5	5.0	5.0	0.0	0.0	0.0
2	10.0	8.5	9.0	6.0	5.5	5.5	---	5.5	---	0.0	0.0	0.0
3	9.0	8.5	9.0	6.5	5.5	6.0	---	---	---	0.5	0.0	0.5
4	10.0	9.0	9.5	6.5	5.0	5.5	4.0	2.5	3.5	1.0	0.5	1.0
5	10.0	9.5	10.0	5.5	4.5	5.0	3.0	2.5	3.0	1.5	1.0	1.0
6	10.0	9.0	9.5	4.5	4.0	4.0	2.5	2.0	2.5	1.5	0.0	1.0
7	9.5	9.0	9.5	4.0	3.5	4.0	---	---	---	0.0	0.0	0.0
8	9.0	9.0	9.0	4.0	3.0	3.5	2.0	---	---	0.0	0.0	0.0
9	9.5	9.0	9.5	3.5	3.0	3.0	2.5	2.0	2.5	0.0	0.0	0.0
10	9.5	9.0	9.5	3.0	2.5	3.0	3.0	2.5	2.5	0.0	0.0	0.0
11	9.5	9.0	9.0	3.0	2.5	2.5	3.0	2.5	3.0	0.0	0.0	0.0
12	10.0	9.0	9.0	4.0	2.5	3.5	2.5	2.5	2.5	0.0	0.0	0.0
13	10.5	10.0	10.0	5.5	4.0	4.5	3.0	2.5	3.0	0.0	0.0	0.0
14	10.5	10.0	10.0	5.5	5.0	5.5	3.5	3.0	3.5	0.0	0.0	0.0
15	10.0	9.0	9.5	5.5	5.0	5.5	4.0	3.0	3.5	0.0	0.0	0.0
16	9.0	8.0	8.0	5.0	4.5	4.5	4.5	4.0	4.5	0.0	0.0	0.0
17	8.0	7.0	7.0	4.5	4.0	4.0	4.5	4.5	4.5	---	0.0	---
18	7.0	6.0	6.5	4.0	3.5	3.5	5.5	4.5	5.0	---	---	---
19	6.0	5.0	5.5	4.5	3.5	4.0	5.5	4.5	4.5	---	---	---
20	5.0	4.5	5.0	6.0	4.5	5.0	4.5	4.0	4.0	---	---	---
21	5.5	4.5	5.0	6.0	4.5	5.5	4.0	3.5	3.5	---	---	---
22	6.0	5.0	5.5	4.5	4.0	4.5	4.0	3.5	4.0	2.5	2.0	2.5
23	5.5	4.5	5.0	4.5	4.0	4.0	4.5	4.0	4.5	2.5	2.0	2.5
24	6.0	4.5	5.5	4.5	4.5	4.5	5.0	3.5	4.5	3.0	2.0	2.5
25	6.0	5.5	6.0	4.5	4.0	4.5	3.5	2.5	3.0	2.5	2.0	2.5
26	5.5	5.0	5.0	4.5	4.0	4.0	2.5	1.5	2.0	3.5	2.5	3.0
27	6.0	5.0	5.5	4.5	4.0	4.5	2.5	1.5	2.0	3.5	3.0	3.5
28	6.5	5.5	6.0	4.5	4.0	4.5	2.5	2.0	2.5	3.5	3.0	3.0
29	7.0	6.0	6.5	5.0	4.5	5.0	2.5	1.5	2.0	3.0	3.0	3.0
30	6.5	5.5	6.0	5.0	4.5	5.0	1.5	0.0	1.0	3.5	3.0	3.5
31	5.5	5.0	5.5	---	---	---	0.0	0.0	0.0	3.5	3.0	3.0
MONTH	10.5	4.5	7.5	6.5	2.5	4.5	---	---	---	---	---	---

# SOUTHEAST ALASKA

## 15085100 OLD TOM CREEK NEAR KASAAN—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	3.0	3.0	3.5	3.0	3.0	3.5	3.0	3.0	8.0	6.5	7.0
2	3.5	3.0	3.0	3.5	3.0	3.0	3.0	2.5	2.5	8.5	7.0	7.5
3	3.0	3.0	3.0	3.5	3.0	3.0	3.5	3.0	3.0	8.0	7.0	7.5
4	3.0	2.0	2.5	3.5	3.0	3.5	4.0	3.0	3.5	8.5	6.5	7.5
5	2.0	1.0	1.5	4.0	3.0	3.5	3.5	3.0	3.5	9.5	6.5	7.5
6	1.0	0.0	0.5	3.5	2.5	3.0	4.5	3.0	4.0	10.0	6.0	7.5
7	1.5	0.5	1.0	4.0	3.5	3.5	5.0	3.5	4.0	11.0	7.0	8.5
8	2.0	1.5	1.5	4.5	4.0	4.0	5.5	3.5	4.5	11.5	7.5	9.0
9	2.0	1.5	2.0	4.5	4.0	4.5	5.0	4.0	4.0	12.0	8.0	9.5
10	2.5	2.0	2.5	5.0	4.5	5.0	4.0	3.5	4.0	12.0	8.5	10.0
11	2.0	0.5	1.0	5.0	4.0	4.5	5.0	3.5	4.0	11.5	10.0	10.5
12	1.5	0.5	1.5	5.0	4.0	4.5	5.0	3.5	4.0	10.5	9.5	10.0
13	1.5	1.0	1.5	4.5	4.0	4.0	5.0	3.5	4.0	10.0	9.5	9.5
14	1.5	0.5	1.0	4.5	3.5	4.0	5.0	3.5	4.5	9.5	8.5	9.0
15	2.0	1.0	1.5	4.5	3.5	4.0	4.5	4.0	4.5	10.0	8.0	9.0
16	2.0	1.5	2.0	3.5	3.0	3.0	5.0	4.0	4.5	10.0	8.5	9.0
17	2.0	1.5	2.0	3.0	2.5	2.5	6.0	4.0	4.5	10.0	8.5	9.0
18	2.5	1.5	2.0	3.0	2.0	2.0	5.0	3.5	4.5	10.0	8.0	9.0
19	2.0	1.0	1.5	2.0	1.0	1.5	5.5	4.5	5.0	10.0	9.0	9.5
20	1.5	1.0	1.0	1.5	0.5	1.0	6.0	5.0	5.5	9.5	9.0	9.0
21	2.5	1.5	2.0	1.5	1.0	1.0	7.0	5.0	6.0	9.5	8.0	8.5
22	2.5	1.5	2.0	2.5	1.5	2.0	7.0	4.5	5.5	10.5	8.5	9.0
23	2.5	1.5	2.0	3.0	1.5	2.0	7.5	5.0	6.0	9.5	9.0	9.0
24	2.5	1.5	2.0	2.5	1.5	2.0	8.0	5.5	6.5	10.0	8.5	9.0
25	2.5	1.5	2.0	3.0	2.0	2.5	8.0	6.0	7.0	11.0	8.5	9.5
26	2.5	2.0	2.5	4.0	2.5	3.5	8.5	6.0	7.0	11.5	9.5	10.5
27	3.0	2.0	2.5	4.0	3.0	3.5	9.5	7.0	8.0	12.0	10.0	11.0
28	3.0	2.5	3.0	3.5	3.0	3.5	9.0	7.0	7.5	12.0	10.0	11.0
29	---	---	---	3.5	3.0	3.0	9.0	6.0	7.0	11.5	10.0	11.0
30	---	---	---	3.5	3.0	3.5	7.5	6.0	6.5	13.0	10.5	11.5
31	---	---	---	4.0	3.0	3.5	---	---	---	12.5	10.5	11.5
MONTH	3.5	0.0	1.9	5.0	0.5	3.1	9.5	2.5	4.9	13.0	6.0	9.2

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	10.5	11.5	13.0	11.5	12.5	13.5	11.5	12.0	12.5	11.5	12.0
2	13.0	9.5	11.0	12.5	12.0	12.0	13.0	11.5	12.0	12.5	11.5	12.0
3	12.0	10.0	11.0	12.5	11.5	12.0	13.0	12.0	12.5	12.0	11.0	11.5
4	12.0	10.0	11.0	12.5	11.5	12.0	12.5	11.5	12.0	11.5	10.5	11.0
5	12.5	9.0	10.5	12.5	11.5	12.0	13.0	12.0	12.5	12.0	11.0	11.5
6	13.5	9.5	11.5	12.0	11.0	11.5	13.5	12.0	12.5	12.0	11.5	11.5
7	14.0	10.5	12.0	11.5	11.0	11.5	14.0	11.5	12.5	12.0	11.5	12.0
8	13.5	10.5	12.0	12.5	11.0	11.5	15.0	11.5	13.0	12.0	11.5	11.5
9	12.5	10.5	11.5	13.0	11.5	12.0	15.5	12.5	13.5	11.5	10.5	11.0
10	12.0	10.5	11.5	12.0	11.5	12.0	16.5	13.0	14.0	11.5	10.5	11.0
11	12.5	10.5	11.5	13.5	11.5	12.5	17.0	13.0	14.5	12.5	11.5	12.0
12	11.5	10.5	11.0	13.0	12.0	12.5	17.0	13.5	15.0	13.0	12.0	12.0
13	11.0	10.0	10.5	13.0	12.0	12.5	17.5	14.0	15.5	12.5	11.5	12.0
14	12.0	10.0	11.0	12.5	11.5	12.0	16.5	14.5	15.0	12.0	11.0	11.5
15	11.5	9.5	10.5	12.0	11.5	11.5	15.5	14.5	15.0	11.5	10.5	11.0
16	13.5	9.5	11.5	13.0	11.0	12.0	16.0	14.0	15.0	11.0	9.5	10.5
17	15.0	10.5	12.5	13.5	12.5	13.0	16.5	13.0	14.5	11.5	10.5	11.0
18	16.0	12.0	13.5	13.5	12.0	12.5	15.0	14.0	14.5	11.0	10.5	11.0
19	14.0	13.0	13.5	13.0	12.0	12.5	14.5	13.0	14.0	11.0	10.0	10.5
20	13.5	12.0	13.0	12.5	11.5	12.0	13.0	12.0	12.5	10.5	10.0	10.5
21	13.5	11.0	12.0	13.5	12.0	12.5	13.5	12.5	13.0	10.5	9.5	10.0
22	12.5	11.0	12.0	13.5	11.0	12.0	13.0	12.5	12.5	10.0	9.0	9.5
23	12.0	11.0	11.5	14.0	12.0	13.0	14.0	12.0	13.0	10.5	10.0	10.0
24	13.5	11.5	12.5	14.0	11.5	12.5	14.0	12.0	13.0	11.0	10.5	10.5
25	13.5	12.0	12.5	13.0	12.0	12.5	13.5	13.0	13.0	11.0	10.0	10.5
26	15.5	12.0	13.5	13.0	12.5	13.0	13.0	12.0	12.5	10.0	8.5	9.0
27	15.0	12.5	13.5	14.0	12.5	13.0	12.5	12.0	12.5	9.0	8.0	8.5
28	14.0	13.0	13.5	13.5	12.5	13.0	13.0	12.0	12.5	10.5	9.0	10.0
29	13.5	12.5	13.0	13.0	12.0	12.5	13.0	12.5	13.0	10.5	9.5	10.0
30	13.0	12.5	13.0	13.0	11.5	12.5	13.0	12.5	12.5	10.0	9.5	9.5
31	---	---	---	12.5	11.5	12.0	12.5	11.5	12.0	---	---	---
MONTH	16.0	9.0	12.0	14.0	11.0	12.3	17.5	11.5	13.3	13.0	8.0	10.8