

# 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.--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 October 28 and January 13. No variation was found within the cross section. No variation was found between mean stream temperature and sensor temperature.

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, 18.5°C, June 23; minimum, 0.0°C, on many days during winter.

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

Date	Time	Stream width, feet (000004)	Sample location, cross section ft from rt bank (72103)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
OCT							
28...	1429	41.5	1.0	2.74	101	7.5	6.0
28...	1430	41.5	6.0	2.74	101	7.5	6.0
28...	1431	41.5	11.0	2.74	101	7.5	6.0
28...	1432	41.5	16.0	2.74	101	7.5	6.0
28...	1433	41.5	21.0	2.74	101	7.5	6.0
28...	1434	41.5	26.0	2.74	101	7.5	6.0
28...	1435	41.5	31.0	2.74	101	7.5	6.0
28...	1436	41.5	36.0	2.74	101	7.5	6.0
JAN							
13...	1121	47.0	42.0	3.48	236	2.5	3.0
13...	1122	47.0	33.0	3.48	236	2.5	3.0
13...	1123	47.0	24.0	3.48	236	2.5	3.0
13...	1124	47.0	15.0	3.48	236	2.5	3.0
13...	1125	47.0	6.0	3.48	236	2.5	3.0

### TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.5	9.5	10.0	5.0	4.5	5.0	3.5	2.5	3.0	1.5	1.0	1.5
2	10.5	9.5	10.0	5.0	4.0	4.5	3.5	3.0	3.0	1.0	0.0	0.5
3	10.5	9.5	10.0	4.5	3.5	4.0	3.0	2.5	2.5	0.0	0.0	0.0
4	10.5	9.5	10.0	3.5	2.5	3.0	3.0	2.5	2.5	0.0	0.0	0.0
5	10.0	9.0	9.5	2.5	2.0	2.5	3.0	2.5	3.0	0.0	0.0	0.0
6	10.5	9.5	10.0	2.0	1.5	2.0	3.5	3.0	3.0	0.0	0.0	0.0
7	10.0	9.0	9.5	2.0	2.0	2.0	3.5	2.5	3.0	0.0	0.0	0.0
8	9.5	9.0	9.0	3.0	2.0	2.5	3.0	2.5	2.5	0.0	0.0	0.0
9	9.5	9.0	9.0	3.5	3.0	3.0	2.5	1.5	2.0	0.0	0.0	0.0
10	9.0	8.0	8.5	4.0	3.0	3.5	2.0	1.5	1.5	1.5	0.0	1.0
11	8.5	8.0	8.0	4.5	3.5	4.0	2.5	2.0	2.0	2.0	1.5	1.5
12	8.5	7.5	8.0	6.0	4.5	5.5	2.5	2.0	2.5	2.0	1.5	1.5
13	8.0	7.5	8.0	6.5	5.0	6.0	2.5	2.0	2.0	2.5	2.0	2.0
14	8.0	7.0	7.5	5.0	4.5	5.0	2.0	1.5	1.5	2.5	2.5	2.5
15	7.5	6.5	7.0	5.5	5.0	5.0	3.0	1.5	2.5	2.5	2.5	2.5
16	8.0	7.0	7.5	5.0	5.0	5.0	3.0	3.0	3.0	2.5	2.0	2.0
17	8.5	8.0	8.0	5.0	4.0	4.5	3.0	3.0	3.0	3.0	2.0	2.5
18	9.0	8.0	8.5	4.0	3.5	4.0	3.5	3.0	3.5	3.0	2.5	3.0
19	8.5	8.0	8.5	3.5	3.0	3.5	4.0	3.5	4.0	3.0	2.5	3.0
20	8.0	7.0	7.5	3.0	1.5	2.5	3.5	3.0	3.5	3.0	3.0	3.0
21	8.5	7.5	8.0	2.0	1.0	1.5	4.0	3.0	3.5	3.5	3.0	3.5
22	8.0	8.0	8.0	2.5	1.5	2.0	4.5	4.0	4.0	3.5	3.0	3.5
23	8.0	7.5	7.5	2.5	2.5	2.5	4.5	4.0	4.0	3.0	2.5	3.0
24	8.0	7.5	8.0	3.0	2.5	2.5	4.0	4.0	4.0	2.5	1.0	2.0
25	9.0	8.0	8.5	3.0	2.5	3.0	4.0	3.0	3.5	1.0	0.0	0.5
26	9.0	8.5	9.0	3.0	2.0	2.5	3.0	2.5	2.5	0.0	0.0	0.0
27	8.5	8.5	8.5	2.5	1.5	2.0	2.5	2.0	2.0	0.0	0.0	0.0
28	8.5	7.0	7.5	2.5	1.5	2.0	2.0	0.5	1.0	0.0	0.0	0.0
29	7.0	5.5	6.0	2.5	2.0	2.0	1.0	0.5	1.0	0.0	0.0	0.0
30	5.5	4.5	5.0	2.5	2.0	2.5	1.5	0.5	1.0	0.0	0.0	0.0
31	5.0	4.0	4.5	---	---	---	2.0	1.5	2.0	0.0	0.0	0.0
MONTH	10.5	4.0	8.2	6.5	1.0	3.3	4.5	0.5	2.6	3.5	0.0	1.3

# SOUTHEAST ALASKA

## 15085100 OLD TOM CREEK NEAR KASAAN—Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.0	0.0	0.0	2.5	1.5	2.0	4.0	2.5	3.5	9.0	7.5	8.0
2	0.0	0.0	0.0	2.5	1.5	2.0	4.0	3.5	3.5	8.0	7.0	7.5
3	0.0	0.0	0.0	3.0	2.0	2.5	4.5	3.5	4.0	7.5	6.5	7.0
4	0.0	0.0	0.0	3.0	2.0	2.5	4.5	3.5	4.0	9.0	6.0	7.5
5	0.5	0.0	0.0	2.5	1.5	2.0	5.0	3.5	4.0	9.5	6.5	7.5
6	1.5	0.5	1.0	2.5	2.0	2.0	5.5	4.0	4.5	9.5	6.0	7.5
7	2.0	1.0	1.5	3.0	2.5	2.5	5.5	4.0	4.5	9.5	6.0	7.5
8	2.0	1.5	1.5	3.0	3.0	3.0	6.0	4.0	4.5	8.5	7.0	8.0
9	2.0	1.0	1.5	3.0	2.5	2.5	5.0	4.5	5.0	9.0	7.5	8.0
10	2.0	1.5	2.0	3.5	2.5	3.0	5.0	4.5	5.0	10.5	7.5	8.5
11	2.0	1.5	2.0	3.5	3.0	3.0	6.0	5.0	5.5	11.0	7.0	8.5
12	2.5	2.0	2.5	3.0	2.5	3.0	6.5	5.0	5.5	11.0	7.5	9.0
13	3.0	2.0	2.5	3.0	2.5	3.0	6.5	4.5	5.0	11.0	8.0	9.5
14	2.5	2.0	2.0	3.0	2.5	2.5	6.5	4.0	5.0	12.0	8.5	10.0
15	2.0	2.0	2.0	3.5	2.5	3.0	6.5	4.0	5.0	10.5	9.0	9.5
16	2.5	2.0	2.5	3.5	3.0	3.0	6.0	4.0	5.0	10.5	9.0	9.5
17	2.5	2.0	2.5	3.0	3.0	3.0	5.5	4.5	5.0	11.0	8.0	9.5
18	3.0	2.5	2.5	3.0	2.5	2.5	5.5	4.0	4.5	12.5	8.5	10.0
19	3.0	2.5	3.0	2.5	2.0	2.5	6.0	3.5	4.5	13.0	9.0	10.5
20	3.0	3.0	3.0	2.5	2.0	2.0	7.5	4.0	5.5	14.0	10.0	11.5
21	3.5	2.5	3.0	3.0	2.5	3.0	7.5	4.0	5.5	14.0	10.5	12.0
22	3.0	2.5	3.0	3.5	3.0	3.0	6.0	5.0	5.5	13.5	9.5	11.0
23	3.5	3.0	3.0	3.5	3.0	3.5	6.0	4.5	5.0	13.5	9.5	11.0
24	3.0	2.5	3.0	4.0	3.5	3.5	5.5	5.0	5.0	11.5	10.5	11.0
25	3.5	2.5	2.5	4.0	3.5	3.5	6.0	5.0	5.5	11.5	10.5	11.0
26	2.5	2.0	2.0	4.0	3.0	3.5	7.0	5.5	6.0	12.0	10.0	11.0
27	2.0	1.5	2.0	4.0	3.5	4.0	8.0	5.5	6.5	11.0	9.5	10.0
28	2.5	1.5	2.0	4.0	3.5	4.0	8.5	5.5	6.5	11.0	9.5	10.0
29	3.0	2.5	2.5	4.0	3.5	4.0	9.0	5.5	7.0	9.5	8.5	9.5
30	---	---	---	4.0	3.0	3.5	9.5	6.0	7.5	9.5	8.5	9.0
31	---	---	---	4.0	2.5	3.5	---	---	---	9.5	8.5	9.0
MONTH	3.5	0.0	1.9	4.0	1.5	2.9	9.5	2.5	5.1	14.0	6.0	9.3
DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	8.0	8.5	14.5	13.0	14.0	14.0	12.5	13.5	13.0	11.0	12.0
2	9.0	8.0	8.5	14.5	13.0	13.5	13.0	12.5	13.0	12.5	11.0	11.5
3	11.0	8.0	9.5	14.5	13.0	13.5	13.0	12.0	12.5	12.5	11.5	12.0
4	10.5	9.0	10.0	13.5	12.0	13.0	14.0	12.0	12.5	12.5	11.5	12.0
5	12.0	9.5	10.5	13.5	12.0	13.0	14.5	12.5	13.0	12.0	11.0	11.5
6	11.0	9.5	10.5	12.0	11.0	11.5	15.0	12.5	13.5	12.0	10.5	11.5
7	13.5	10.0	11.5	12.5	11.0	11.5	15.0	12.0	13.0	12.5	11.5	12.0
8	13.5	11.0	12.0	13.5	11.0	12.0	14.5	13.0	13.5	12.5	11.0	11.5
9	13.0	10.5	11.5	15.0	12.0	13.0	16.0	12.5	13.5	12.0	11.0	11.5
10	11.0	9.5	10.5	13.0	12.5	13.0	15.5	13.0	14.0	11.5	10.0	10.5
11	11.0	9.5	10.0	13.5	12.5	13.0	16.0	13.5	14.5	11.5	10.0	10.5
12	10.0	9.0	9.5	15.5	11.5	13.0	16.0	13.0	14.0	11.0	10.0	10.5
13	9.5	9.0	9.0	16.0	12.0	14.0	15.5	13.0	14.0	11.5	10.5	11.0
14	10.5	9.0	9.5	17.0	13.0	14.5	16.5	13.0	14.5	11.5	10.5	11.0
15	11.5	9.5	10.5	17.5	13.5	15.0	16.0	14.0	15.0	11.0	10.0	10.5
16	13.5	10.0	11.0	15.0	14.0	14.5	17.0	14.0	15.0	10.5	9.5	10.0
17	14.5	10.5	12.0	16.0	13.5	14.5	15.5	14.5	15.0	10.0	9.0	9.5
18	16.0	11.5	13.5	16.5	13.0	14.5	16.5	14.5	15.0	11.0	9.5	10.0
19	17.0	13.0	14.5	15.0	14.0	14.5	---	14.5	---	10.0	8.5	9.0
20	17.5	13.5	15.0	15.0	13.0	14.0	---	---	---	10.0	9.0	9.0
21	17.5	14.0	15.5	14.0	12.5	13.5	---	---	---	11.0	10.0	10.5
22	18.0	14.5	16.0	16.0	12.0	13.5	---	---	---	11.0	10.5	10.5
23	18.5	14.5	16.0	16.5	12.5	14.0	---	---	---	11.0	10.5	10.5
24	17.5	14.5	15.5	16.0	13.5	14.5	---	---	---	11.5	10.5	11.0
25	15.0	14.0	14.5	14.5	13.5	14.0	---	---	---	10.5	9.5	10.0
26	14.0	13.5	14.0	14.5	13.0	14.0	13.0	---	---	10.5	9.5	10.0
27	14.0	13.0	13.5	16.5	13.5	14.5	13.5	12.5	13.0	10.5	10.0	10.5
28	13.5	12.5	13.0	15.5	14.0	15.0	13.5	12.0	12.5	10.0	8.5	9.0
29	14.0	13.0	13.5	15.0	14.0	14.5	13.5	12.0	12.5	10.0	8.5	9.5
30	14.5	13.0	13.5	14.5	13.5	14.0	13.0	12.0	12.5	9.5	8.5	9.0
31	---	---	---	14.5	12.0	13.5	13.0	11.0	12.0	---	---	---
MONTH	18.5	8.0	12.1	17.5	11.0	13.7	---	---	---	13.0	8.5	10.6