

# SOUTHEAST ALASKA

## 15129500 SITUK RIVER NEAR YAKUTAT

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to 1973 and 1988 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1970 to September 1973 (fragmentary) and May 1988 to current year.

INSTRUMENTATION.--Water-temperature recorder October 1970 to September 1973, at a site 500 ft downstream. Electronic water-temperature recorder since May 1988, set for 2-hour recording interval. Recording interval changed to 15-minutes on March 6, 1996.

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 August 10, 2004. No variation was found within the cross section. No variation was found between mean stream temperature and sensor temperature. Missing record October 1-15 due to recorder malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 20.5°C, June 24 and 25, 2004; minimum, 0.0°C, on many days during winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.5°C, June 24 and 25; 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)	Location in X-sect. looking dwnstrm 1 bank (000009)	Gage height, feet (000065)	Instantaneous discharge, cfs (000061)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
AUG							
10...	1655	57.0	10.0	65.22	101	18.0	32.0
10...	1656	57.0	20.0	65.22	101	18.0	32.0
10...	1657	57.0	30.0	65.22	101	18.0	32.0
10...	1658	57.0	40.0	65.22	101	18.0	32.0
10...	1659	57.0	50.0	65.22	101	18.0	32.0

#### TEMPERATURE, WATER (DEGREES C), 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	---	---	---	4.5	3.5	4.0	1.5	0.0	1.0	1.0	0.0	0.5
2	---	---	---	5.0	4.0	4.5	1.5	0.0	0.5	0.0	0.0	0.0
3	---	---	---	4.0	3.5	3.5	2.0	1.0	1.5	0.0	0.0	0.0
4	---	---	---	3.5	3.0	3.5	2.0	1.0	1.5	0.0	0.0	0.0
5	---	---	---	3.5	2.5	3.0	2.0	2.0	2.0	0.0	0.0	0.0
6	---	---	---	4.5	3.0	3.5	2.0	1.0	1.5	0.0	0.0	0.0
7	---	---	---	4.5	4.0	4.5	2.0	1.5	1.5	0.0	0.0	0.0
8	---	---	---	5.0	4.5	4.5	2.0	2.0	2.0	0.0	0.0	0.0
9	---	---	---	4.5	3.5	4.0	2.0	1.0	1.5	1.5	0.0	0.5
10	---	---	---	4.0	3.5	3.5	2.0	1.0	1.5	2.0	1.5	1.5
11	---	---	---	4.0	3.5	3.5	2.5	2.0	2.0	1.5	1.0	1.0
12	---	---	---	4.0	3.5	4.0	2.5	2.0	2.0	1.5	1.0	1.0
13	---	---	---	4.0	3.0	3.5	2.0	1.5	1.5	1.5	1.0	1.5
14	---	---	---	3.5	3.0	3.0	1.5	1.0	1.5	1.0	0.5	1.0
15	---	---	---	3.5	3.0	3.5	2.0	1.5	2.0	1.0	0.5	0.5
16	6.0	4.5	5.5	4.0	3.0	3.5	2.0	1.5	2.0	1.0	0.0	0.5
17	6.5	5.0	5.5	3.0	2.0	3.0	2.0	2.0	2.0	1.0	0.0	1.0
18	6.5	6.0	6.0	2.5	2.0	2.0	2.0	1.5	1.5	1.5	1.0	1.5
19	6.5	6.0	6.5	2.5	1.5	2.0	2.0	0.5	1.0	1.0	0.5	1.0
20	7.0	5.5	6.5	1.5	1.0	1.0	1.5	1.0	1.5	1.0	1.0	1.0
21	6.0	4.5	5.5	3.0	1.5	2.0	2.0	1.5	1.5	1.0	1.0	1.0
22	6.5	6.0	6.5	3.0	2.0	3.0	1.5	1.0	1.5	1.5	1.0	1.0
23	6.5	6.0	6.0	3.0	2.0	2.5	1.5	1.5	1.5	1.5	0.5	1.0
24	6.5	5.5	6.0	2.5	2.0	2.5	1.5	1.0	1.5	1.0	0.0	0.5
25	7.0	6.5	7.0	2.5	1.5	2.0	1.5	1.0	1.0	0.5	0.0	0.0
26	7.0	6.5	7.0	2.5	1.5	1.5	1.0	0.5	0.5	0.0	0.0	0.0
27	6.5	5.5	6.0	1.5	0.5	1.0	0.5	0.0	0.5	0.0	0.0	0.0
28	5.5	5.0	5.5	1.0	0.0	0.5	1.0	0.0	0.5	0.0	0.0	0.0
29	5.0	4.5	5.0	0.5	0.0	0.5	1.5	1.0	1.0	0.0	0.0	0.0
30	5.5	4.5	5.0	1.0	0.0	0.5	1.5	1.0	1.5	0.0	0.0	0.0
31	5.0	4.5	5.0	---	---	---	1.5	1.0	1.0	0.0	0.0	0.0
MONTH	---	---	---	5.0	0.0	2.8	2.5	0.0	1.4	2.0	0.0	0.5

# SOUTHEAST ALASKA

## 15129500 SITUK RIVER NEAR YAKUTAT—Continued

TEMPERATURE, WATER (DEGREES C), 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	1.0	0.0	0.5	3.0	1.5	2.5	3.0	0.5	2.0	7.0	5.0	6.0
2	1.0	1.0	1.0	3.0	1.5	2.0	2.0	1.5	2.0	7.5	5.0	6.0
3	1.5	0.5	1.0	3.0	2.0	2.5	1.5	1.0	1.0	10.0	4.5	7.0
4	1.5	0.0	0.5	2.5	2.0	2.0	2.5	1.0	1.5	10.5	5.0	7.5
5	1.0	0.5	0.5	2.5	1.5	2.0	3.5	1.5	2.0	10.5	5.5	7.5
6	1.0	0.5	0.5	2.5	1.0	2.0	4.0	1.5	2.5	11.0	6.0	8.5
7	1.5	1.0	1.0	3.0	1.5	2.5	3.0	2.0	2.5	9.0	7.5	8.0
8	1.5	0.0	1.0	2.0	0.5	1.5	4.0	1.5	2.5	8.5	7.0	8.0
9	1.0	0.0	0.5	2.5	0.0	1.5	3.5	2.0	2.5	10.0	7.5	8.5
10	1.5	1.0	1.0	1.5	0.0	0.5	5.0	1.5	3.0	10.5	7.0	8.5
11	1.0	0.5	0.5	2.5	1.0	2.0	5.5	1.5	3.0	12.5	7.0	9.5
12	1.0	0.5	1.0	3.0	1.5	2.0	4.5	2.0	3.0	13.0	8.0	10.0
13	1.5	1.0	1.5	3.0	1.5	2.0	5.0	2.5	3.5	13.0	7.5	10.0
14	1.5	1.0	1.5	1.5	0.5	1.0	6.0	2.5	4.0	10.5	8.5	9.5
15	1.5	1.0	1.0	2.5	0.5	1.5	6.0	2.0	4.0	10.5	8.5	9.5
16	2.0	1.0	1.5	3.0	1.5	2.0	5.0	2.0	3.5	9.5	8.5	9.0
17	2.0	1.0	1.5	3.5	1.5	2.0	5.5	3.0	4.0	12.0	8.5	10.0
18	2.0	1.0	1.5	2.5	0.5	1.5	4.5	3.0	3.5	11.0	9.0	10.0
19	2.0	1.5	1.5	2.5	0.5	1.5	5.5	2.0	3.5	13.0	9.0	10.5
20	2.0	1.5	1.5	3.0	0.5	1.5	7.0	2.5	4.5	15.0	9.5	11.5
21	1.5	1.5	1.5	4.0	0.0	2.0	6.5	3.0	4.5	15.5	10.0	12.5
22	2.0	1.0	1.5	3.5	1.0	2.5	4.5	3.5	4.0	15.5	10.0	12.5
23	2.5	1.5	2.0	4.0	1.0	2.5	4.5	3.0	3.5	13.0	11.0	11.5
24	2.5	1.5	2.0	3.5	1.5	2.5	4.5	3.0	4.0	11.0	10.5	11.0
25	2.0	1.0	1.5	2.5	1.5	2.0	4.5	3.5	4.0	10.5	9.0	10.0
26	2.0	1.0	1.5	3.0	1.5	2.0	5.0	3.5	4.0	10.5	9.5	10.0
27	2.0	0.5	1.5	3.5	1.0	2.0	5.5	3.5	4.5	11.0	10.0	10.5
28	3.0	2.0	2.0	2.5	2.0	2.0	5.5	4.0	5.0	12.0	10.0	11.0
29	3.0	2.0	2.5	3.0	1.5	2.0	8.0	3.5	5.5	13.0	9.5	11.0
30	---	---	---	2.5	0.5	1.5	9.0	4.0	6.5	11.5	9.5	10.5
31	---	---	---	2.5	0.5	1.5	---	---	---	12.5	9.5	11.0
MONTH	3.0	0.0	1.3	4.0	0.0	1.9	9.0	0.5	3.5	15.5	4.5	9.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	11.0	9.5	10.5	15.5	13.5	14.5	15.5	14.0	15.0	13.5	11.0	12.5
2	11.0	9.5	10.0	18.5	13.0	15.5	16.0	13.5	14.5	13.0	11.5	12.0
3	14.5	9.0	11.5	16.5	14.0	14.5	17.5	12.5	15.0	13.5	12.0	12.5
4	13.5	9.5	11.5	16.0	13.5	14.5	17.5	12.5	15.0	15.0	12.5	13.5
5	11.5	10.5	11.0	15.5	13.5	14.5	17.5	12.5	15.0	15.5	13.0	14.0
6	16.0	10.5	12.5	19.0	13.0	15.5	17.5	13.5	15.5	14.5	12.0	13.5
7	13.0	11.5	12.0	19.5	14.0	16.5	17.5	13.0	15.0	14.0	11.0	12.5
8	12.0	11.0	11.5	20.0	13.5	16.5	18.0	13.0	15.5	13.5	10.0	11.5
9	13.0	10.5	11.5	17.5	14.5	15.5	18.0	12.5	15.5	13.0	9.5	11.0
10	11.5	10.0	11.0	18.5	14.0	16.0	18.0	13.0	15.5	12.0	9.0	10.5
11	13.0	10.0	11.0	19.0	13.5	16.0	16.5	14.0	15.0	12.0	9.5	11.0
12	14.0	10.0	12.0	19.5	13.5	16.5	16.5	12.0	14.5	11.5	10.0	10.5
13	16.5	10.0	13.0	17.5	14.5	16.0	17.5	12.5	15.0	12.0	10.0	11.0
14	13.5	11.5	12.0	16.5	14.0	15.0	17.0	12.5	15.0	11.0	10.0	10.5
15	13.0	11.0	12.0	19.0	13.5	16.0	17.5	13.0	15.0	11.5	9.5	10.5
16	13.0	10.0	11.5	19.5	13.5	16.5	17.5	13.0	15.5	11.5	9.5	10.5
17	17.0	11.0	13.5	17.5	15.0	15.5	17.5	13.5	15.5	10.5	8.0	9.0
18	18.0	11.5	14.5	16.0	14.0	15.0	16.0	13.5	15.0	10.0	7.0	8.5
19	19.5	12.0	15.5	18.0	13.0	15.5	15.0	13.5	14.0	9.5	6.5	8.0
20	20.0	13.0	16.5	17.5	13.5	15.5	15.5	12.5	14.0	9.5	8.5	9.0
21	20.0	13.5	16.5	16.5	14.5	15.5	15.5	12.0	14.0	10.5	9.0	9.5
22	20.0	14.0	17.0	15.0	13.5	14.0	16.0	11.5	14.0	10.5	10.0	10.0
23	20.0	14.5	17.0	15.0	12.5	14.0	15.5	11.5	13.5	10.0	9.5	10.0
24	20.5	15.0	17.5	16.5	13.0	14.5	15.0	12.0	13.5	10.5	10.0	10.0
25	20.5	14.5	17.5	15.0	13.5	14.5	13.5	11.5	12.0	10.0	9.5	9.5
26	19.0	15.5	17.0	14.5	12.5	13.5	13.0	11.5	12.0	9.5	9.5	9.5
27	18.0	15.0	16.5	13.5	13.0	13.5	13.5	11.5	12.5	9.5	9.5	9.5
28	16.0	15.0	15.5	14.0	13.0	13.5	13.0	11.5	12.5	9.5	9.0	9.0
29	16.5	14.0	15.0	14.5	13.5	14.0	14.5	11.5	13.0	9.5	9.0	9.0
30	15.0	14.0	14.5	15.0	13.5	14.0	14.5	11.0	13.0	9.5	9.0	9.5
31	---	---	---	15.5	14.0	14.5	14.0	10.5	12.5	---	---	---
MONTH	20.5	9.0	13.6	20.0	12.5	15.0	18.0	10.5	14.3	15.5	6.5	10.6