

# SOUTHEAST ALASKA

15087300 FALLS CREEK NEAR PETERSBURG

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 2004 to current year.

INSTRUMENTATION.-- Electronic water-temperature recorder since May 2004, set for 15-minute recording interval.

REMARKS.--No record from January 18-21, and May 5-11 due to probe icing and recorder malfunction. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on December 8. No variation was found in the temperature cross-section. The variation between mean stream temperature and recorded sensor temperature was less than 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 22.0°C, June 24-25, 2004; minimum, 0.0°C, on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 19.0°C, June 8, 18 and 27; minimum, 0.0°C, on many days during winter.

Date	Time	Instantaneous discharge, cfs (00061)	Sample location, cross section ft from rt bank (72103)	Stream width, feet (00004)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
DEC 08...	1025	28	10.0	42.0	2.3	0.0
08...	1026	28	20.0	42.0	2.3	0.0
08...	1027	28	30.0	42.0	2.3	0.0
08...	1028	28	40.0	42.0	2.3	0.0

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.5	8.5	9.0	4.5	4.0	4.5	4.0	3.5	4.0	0.0	0.0	0.0
2	9.5	8.5	9.0	4.5	4.0	4.5	4.5	4.0	4.5	0.0	0.0	0.0
3	9.5	8.0	8.5	4.5	4.0	4.0	5.0	4.5	5.0	0.0	0.0	0.0
4	9.0	8.5	8.5	5.0	4.5	5.0	4.5	3.5	4.0	0.0	0.0	0.0
5	9.5	9.0	9.5	4.5	4.0	4.0	3.5	2.0	2.5	0.0	0.0	0.0
6	9.5	8.5	9.0	4.0	3.0	3.5	2.0	0.0	1.0	0.0	0.0	0.0
7	9.0	9.0	9.0	3.0	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
8	9.0	8.5	9.0	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
9	9.0	8.5	9.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
10	9.0	9.0	9.0	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
11	9.0	8.5	8.5	1.0	0.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0
12	8.5	7.0	7.5	0.5	0.0	0.5	1.0	0.5	0.5	0.0	0.0	0.0
13	9.5	7.5	8.5	2.5	0.5	1.5	1.5	0.5	1.0	0.0	0.0	0.0
14	9.5	9.5	9.5	3.5	2.5	3.0	1.5	1.0	1.5	0.0	0.0	0.0
15	9.5	9.0	9.5	4.0	3.5	4.0	2.0	1.5	1.5	0.0	0.0	0.0
16	9.0	8.0	8.0	4.0	4.0	4.0	3.0	2.0	2.5	0.0	0.0	0.0
17	8.0	6.0	6.5	4.0	3.5	4.0	3.5	3.0	3.0	0.0	0.0	0.0
18	6.0	4.5	5.0	3.5	2.5	3.0	4.5	3.5	4.0	---	---	---
19	4.5	3.0	3.5	3.0	2.5	2.5	4.5	4.0	4.0	---	---	---
20	3.0	3.0	3.0	4.0	3.0	3.5	4.0	3.0	3.5	---	---	---
21	3.0	2.5	3.0	5.0	4.0	4.5	3.0	2.0	2.5	---	0.0	---
22	3.5	3.0	3.0	4.5	4.0	4.0	3.0	2.0	2.5	0.0	0.0	0.0
23	3.5	3.5	3.5	4.0	3.5	3.5	3.5	3.0	3.5	0.0	0.0	0.0
24	3.5	3.0	3.0	3.5	3.0	3.5	4.0	3.0	3.5	0.0	0.0	0.0
25	4.0	3.5	3.5	3.5	3.0	3.5	3.0	1.5	2.5	0.0	0.0	0.0
26	4.0	3.0	3.5	3.5	3.5	3.5	1.5	0.0	0.5	0.5	0.0	0.0
27	3.5	3.0	3.0	3.5	3.0	3.0	0.0	0.0	0.0	0.5	0.0	0.5
28	4.0	3.5	4.0	3.5	3.0	3.5	0.5	0.0	0.5	0.5	0.0	0.5
29	5.0	4.0	5.0	4.0	3.5	4.0	0.5	0.0	0.5	0.5	0.5	0.5
30	5.5	5.0	5.0	4.0	3.5	4.0	0.0	0.0	0.0	0.5	0.5	0.5
31	5.0	4.5	4.5	---	---	---	0.0	0.0	0.0	1.0	0.5	1.0
MONTH	9.5	2.5	6.5	5.0	0.0	3.2	5.0	0.0	1.9	---	---	---

# SOUTHEAST ALASKA

## 15087300 FALLS CREEK NEAR PETERSBURG—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	1.0	0.5	1.0	1.5	1.0	1.0	2.0	1.5	1.5	9.0	7.5	8.5
2	1.0	1.0	1.0	1.5	1.0	1.5	2.0	1.5	1.5	9.5	8.5	9.0
3	1.0	0.5	1.0	1.5	1.0	1.0	2.5	2.0	2.5	9.5	8.5	9.0
4	0.5	0.5	0.5	1.5	1.0	1.5	3.0	2.5	2.5	9.5	8.5	9.0
5	0.5	0.0	0.0	2.0	1.0	1.5	3.5	3.0	3.0	---	---	---
6	0.0	0.0	0.0	2.0	1.5	1.5	4.0	3.5	3.5	---	---	---
7	0.0	0.0	0.0	2.5	1.0	1.5	4.0	3.0	3.5	---	---	---
8	0.0	0.0	0.0	2.5	1.5	2.0	4.0	3.0	3.5	---	---	---
9	0.5	0.0	0.0	2.0	1.5	1.5	4.0	3.5	3.5	---	---	---
10	0.5	0.0	0.0	2.5	2.0	2.0	4.0	3.0	3.5	---	---	---
11	0.5	0.0	0.0	2.5	2.0	2.0	4.5	3.5	4.0	---	---	---
12	0.5	0.0	0.0	3.0	2.0	2.5	4.5	4.0	4.0	12.0	11.5	11.5
13	0.5	0.0	0.0	3.0	2.5	2.5	4.5	3.0	4.0	11.5	11.0	11.5
14	0.5	0.0	0.0	3.0	2.5	2.5	4.5	3.5	4.0	12.5	11.0	11.5
15	0.5	0.0	0.0	3.0	2.5	2.5	4.0	3.5	4.0	12.0	10.5	11.0
16	0.5	0.0	0.0	2.5	1.0	2.0	4.0	3.0	3.5	12.0	10.5	11.5
17	0.5	0.0	0.0	1.5	0.5	1.0	5.0	3.5	4.5	12.5	11.0	11.5
18	0.5	0.0	0.0	1.0	0.0	0.5	5.0	4.0	4.5	12.5	10.0	11.0
19	0.5	0.0	0.0	0.5	0.0	0.0	4.5	4.0	4.5	13.0	11.0	11.5
20	0.5	0.0	0.0	0.5	0.0	0.0	5.0	4.5	4.5	12.0	11.0	11.5
21	0.5	0.0	0.0	0.5	0.0	0.0	6.0	5.0	5.5	13.0	11.0	12.0
22	0.5	0.0	0.0	0.5	0.0	0.5	6.0	5.0	5.5	12.0	10.5	11.0
23	0.5	0.0	0.0	1.0	0.0	0.5	7.0	5.0	6.0	12.0	10.5	11.5
24	0.5	0.0	0.0	1.0	0.0	0.5	8.0	5.5	7.0	13.0	11.5	12.0
25	0.5	0.0	0.0	1.0	0.5	0.5	8.5	6.5	7.5	13.0	11.0	12.0
26	0.5	0.0	0.0	3.0	1.0	2.0	9.5	7.0	8.0	14.5	12.0	13.0
27	0.5	0.0	0.5	3.5	2.5	3.0	10.0	7.5	9.0	15.5	13.0	14.0
28	1.0	0.5	1.0	2.5	2.0	2.0	10.0	8.0	9.0	15.5	12.5	14.0
29	---	---	---	2.0	2.0	2.0	10.0	8.0	9.0	14.5	13.5	14.0
30	---	---	---	2.5	2.0	2.0	9.0	7.5	8.0	15.5	13.0	13.5
31	---	---	---	2.5	2.0	2.5	---	---	---	15.5	13.0	14.0
MONTH	1.0	0.0	0.2	3.5	0.0	1.5	10.0	1.5	4.8	---	---	---

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	13.0	14.5	15.0	13.0	14.0	13.5	12.0	13.0	11.5	11.0	11.0
2	16.5	13.0	14.5	13.0	12.5	13.0	13.5	12.0	13.0	11.5	11.0	11.0
3	14.5	13.0	13.5	12.5	12.0	12.0	13.0	12.0	12.5	12.0	11.0	11.5
4	15.0	13.0	13.5	12.5	11.5	12.0	12.5	12.0	12.0	11.5	10.5	11.0
5	16.0	12.0	13.5	13.0	12.5	12.5	12.5	12.0	12.0	11.5	10.5	11.0
6	16.5	13.0	14.5	12.5	12.0	12.5	13.0	12.0	12.5	11.5	11.0	11.5
7	17.0	14.0	15.5	12.5	12.0	12.5	13.5	12.5	13.0	11.5	11.0	11.5
8	19.0	15.5	16.5	13.0	11.5	12.0	14.0	12.5	13.0	11.5	11.0	11.5
9	17.0	15.0	16.0	13.0	12.0	12.5	15.0	12.5	13.5	11.0	10.0	10.5
10	16.5	14.5	15.5	12.5	11.5	12.0	15.5	13.5	14.5	11.0	10.0	10.5
11	15.5	14.0	15.0	13.0	12.0	12.5	16.0	14.0	15.0	11.0	10.5	11.0
12	15.5	14.0	14.5	13.5	12.5	13.0	16.0	14.5	15.0	11.5	10.5	11.0
13	15.0	13.5	14.0	13.0	12.5	13.0	16.5	15.0	15.5	11.5	11.0	11.0
14	15.0	13.5	14.0	13.0	12.0	12.5	16.5	15.0	15.5	11.5	11.0	11.5
15	14.5	12.5	13.5	12.5	12.0	12.0	16.0	15.0	15.5	11.0	10.0	10.5
16	15.5	12.5	14.0	14.0	12.0	13.0	16.5	15.0	15.5	11.0	10.5	10.5
17	17.5	13.5	15.0	14.5	13.0	13.5	15.5	14.5	15.0	11.0	10.5	10.5
18	19.0	14.5	16.5	14.0	13.0	13.5	15.5	14.0	15.0	10.5	10.0	10.5
19	17.5	16.0	16.5	14.0	13.0	13.5	14.0	13.5	14.0	10.0	10.0	10.0
20	17.5	15.5	16.0	15.0	13.5	14.0	14.0	13.0	13.0	10.0	10.0	10.0
21	15.5	14.0	14.5	14.0	13.0	13.5	13.0	12.5	12.5	10.5	9.5	10.0
22	14.0	13.0	13.5	14.5	12.5	13.5	12.5	12.0	12.5	10.0	9.5	9.5
23	13.5	13.0	13.5	13.5	12.5	13.0	13.0	12.0	12.5	10.0	9.5	9.5
24	14.5	12.5	13.5	14.0	12.5	13.5	13.0	12.0	12.5	10.0	10.0	10.0
25	15.5	13.5	14.5	14.0	13.0	13.5	13.0	12.5	12.5	10.0	10.0	10.0
26	17.5	14.0	15.5	14.0	13.5	13.5	12.5	12.0	12.5	10.0	9.0	9.5
27	19.0	15.5	16.5	13.5	12.5	13.0	12.5	12.0	12.0	9.0	8.0	8.0
28	17.0	16.0	16.5	13.5	12.5	13.0	12.5	12.0	12.0	9.0	8.0	8.5
29	16.0	15.0	15.5	13.5	12.5	13.0	12.0	11.5	12.0	9.0	9.0	9.0
30	15.0	14.5	14.5	12.5	12.0	12.5	12.0	11.5	12.0	9.0	8.5	9.0
31	---	---	---	13.0	12.0	12.5	12.0	11.5	11.5	---	---	---
MONTH	19.0	12.0	14.8	15.0	11.5	12.9	16.5	11.5	13.3	12.0	8.0	10.3