

SOUTHEAST ALASKA

15106970 MIDDLE BASIN CREEK NEAR TENAKEE

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1981 to July 1987 (unpublished fragmentary records provided by the U.S. Forest Service), July 2000 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 2000 to current year.

INSTRUMENTATION.--Electronic water-temperature recorder with 15-minute recording interval since July 09, 2000.

REMARKS.--Records represent water temperature at the sensor within 0.5°C. Temperature at the sensor was compared with stream average by cross section on January 23 and August 24, 2004. No variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 11.0°C, August 16, 2004; minimum, 0.0°C, on many days during most winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 11.0°C, August 16; minimum, 0.0°C, on January 6 and 7.

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

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)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
JAN							
23...	1148	3.50	1.50	4.01	1.1	2.5	1.5
23...	1149	3.50	2.00	4.01	1.1	2.5	1.5
23...	1150	3.50	3.00	4.01	1.1	2.5	1.5
23...	1151	3.50	4.00	4.01	1.1	2.5	1.5
AUG							
24...	1510	5.00	.50	3.57	.10	9.5	17.5
24...	1511	5.00	1.50	3.57	.10	9.5	17.5
24...	1512	5.00	2.50	3.57	.10	9.5	17.5
24...	1513	5.00	3.50	3.57	.10	9.5	17.5
24...	1514	5.00	9.50	3.57	.10	9.5	17.5

TEMPERATURE, WATER (DEG. 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	7.0	7.0	7.0	4.5	4.0	4.0	2.5	2.0	2.5	2.5	1.5	2.0
2	7.0	6.5	7.0	4.5	4.0	4.0	3.0	2.5	2.5	1.5	1.0	1.0
3	7.0	6.5	7.0	4.0	3.5	4.0	3.0	2.5	2.5	1.0	1.0	1.0
4	7.0	7.0	7.0	3.5	3.5	3.5	3.0	2.5	3.0	1.5	1.0	1.0
5	7.0	7.0	7.0	3.5	3.5	3.5	3.0	2.5	3.0	1.0	0.5	1.0
6	7.0	7.0	7.0	3.5	3.5	3.5	3.0	2.5	2.5	1.0	0.0	0.5
7	7.0	7.0	7.0	4.0	3.5	4.0	3.0	2.5	2.5	1.0	0.0	0.5
8	7.0	6.5	7.0	4.0	4.0	4.0	3.0	2.5	3.0	1.5	0.5	1.0
9	6.5	6.5	6.5	4.5	4.0	4.0	3.0	2.0	2.5	1.5	1.5	1.5
10	6.5	6.0	6.5	4.5	4.0	4.0	2.5	1.5	2.0	2.0	1.5	1.5
11	6.5	6.0	6.0	4.5	4.0	4.0	2.5	2.5	2.5	2.0	2.0	2.0
12	6.0	5.5	6.0	5.0	4.5	5.0	3.0	2.5	2.5	2.0	2.0	2.0
13	6.0	5.5	6.0	4.5	4.0	4.0	3.0	2.5	2.5	2.0	2.0	2.0
14	6.0	6.0	6.0	4.5	4.0	4.0	2.5	2.5	2.5	2.0	1.5	2.0
15	6.0	5.5	5.5	4.5	4.0	4.5	2.5	2.5	2.5	2.0	2.0	2.0
16	6.0	5.0	5.5	4.5	4.0	4.5	2.5	2.5	2.5	2.0	1.0	2.0
17	6.0	6.0	6.0	4.0	3.5	4.0	3.0	2.5	2.5	2.0	1.0	1.5
18	6.5	6.0	6.0	3.5	2.5	3.0	3.0	2.0	2.5	2.5	2.0	2.0
19	6.5	6.0	6.5	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	2.5
20	6.5	5.5	6.0	2.5	2.0	2.0	3.0	2.5	3.0	2.5	2.5	2.5
21	6.5	5.5	6.0	3.0	2.0	2.5	3.0	3.0	3.0	3.0	2.5	2.5
22	6.0	6.0	6.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	2.5	3.0
23	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5
24	6.5	6.0	6.0	3.0	2.5	3.0	3.0	3.0	3.0	2.5	1.5	2.0
25	7.0	6.5	6.5	3.0	2.5	3.0	3.0	2.5	3.0	1.5	0.5	0.5
26	7.0	6.5	6.5	3.0	2.5	3.0	2.5	2.0	2.5	0.5	0.5	0.5
27	6.5	6.0	6.0	3.0	2.5	2.5	2.0	1.0	1.5	0.5	0.5	0.5
28	6.0	5.5	5.5	2.5	2.0	2.5	2.0	1.0	1.5	0.5	0.5	0.5
29	5.5	4.5	5.0	2.5	2.0	2.5	2.0	2.0	2.0	1.0	0.5	1.0
30	4.5	4.0	4.0	---	---	---	2.5	2.0	2.5	1.5	0.5	1.0
31	4.5	4.0	4.0	---	---	---	2.5	2.5	2.5	1.5	1.5	1.5
MONTH	7.0	4.0	6.1	---	---	---	3.0	1.0	2.5	3.0	0.0	1.5

SOUTHEAST ALASKA

15106970 MIDDLE BASIN CREEK NEAR TENAKEE—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.0	2.0	5.0	5.0	5.0
2	1.5	1.5	1.5	2.5	2.0	2.5	2.5	2.0	2.5	5.0	4.5	5.0
3	1.5	1.0	1.5	2.5	2.0	2.0	3.0	2.5	2.5	5.5	4.5	5.0
4	1.5	1.5	1.5	2.5	2.5	2.5	3.0	2.5	3.0	5.5	4.5	5.0
5	2.0	1.5	1.5	2.5	2.0	2.0	3.0	2.5	3.0	5.5	4.0	5.0
6	2.0	1.5	1.5	2.5	2.0	2.0	3.5	3.0	3.0	5.5	4.5	5.0
7	2.0	1.5	2.0	2.0	2.0	2.0	3.5	3.0	3.5	5.5	4.5	5.0
8	2.0	1.5	2.0	2.5	2.0	2.0	3.5	3.0	3.0	5.5	5.0	5.0
9	2.0	1.0	2.0	2.5	2.0	2.0	4.0	3.5	3.5	5.5	5.0	5.0
10	2.5	2.0	2.0	2.5	2.0	2.0	4.0	3.5	3.5	5.5	4.5	5.0
11	3.0	2.5	2.5	2.5	2.0	2.5	4.0	3.5	4.0	6.0	4.5	5.0
12	3.0	2.5	2.5	3.0	2.5	2.5	4.0	4.0	4.0	6.0	5.0	5.5
13	3.0	2.5	3.0	2.5	2.5	2.5	4.0	3.5	4.0	6.0	5.0	5.5
14	3.0	2.5	3.0	2.5	2.5	2.5	4.0	3.5	4.0	6.0	5.0	5.5
15	2.5	2.5	2.5	2.5	2.5	2.5	4.0	3.0	3.5	6.0	5.0	5.5
16	2.5	2.5	2.5	2.5	2.0	2.0	4.0	2.5	3.5	5.5	5.0	5.5
17	3.0	2.5	2.5	2.5	2.0	2.5	4.0	3.5	3.5	6.0	5.0	5.5
18	3.0	2.5	3.0	2.5	2.0	2.0	3.5	3.0	3.5	6.0	5.5	5.5
19	3.0	3.0	3.0	2.0	1.5	2.0	4.0	3.0	3.5	6.5	5.5	6.0
20	3.0	3.0	3.0	2.5	2.0	2.0	4.0	3.0	3.5	6.5	5.5	6.0
21	3.5	3.0	3.0	2.5	2.0	2.0	4.0	3.0	3.5	6.5	5.5	6.0
22	3.0	3.0	3.0	2.5	2.0	2.0	4.0	3.5	4.0	6.5	5.5	6.0
23	3.5	3.0	3.0	2.5	2.0	2.0	4.0	3.5	3.5	6.5	5.5	6.0
24	3.0	3.0	3.0	2.5	2.0	2.5	4.0	3.5	4.0	6.0	5.5	6.0
25	3.0	2.5	2.5	3.0	2.5	2.5	4.0	4.0	4.0	6.0	5.5	6.0
26	2.5	2.5	2.5	3.0	2.5	2.5	4.5	4.0	4.0	6.0	5.5	5.5
27	2.5	2.0	2.5	3.0	2.5	2.5	4.5	4.0	4.0	6.0	5.5	5.5
28	2.5	2.0	2.5	3.0	2.5	2.5	4.5	4.0	4.0	6.0	5.0	5.5
29	2.5	2.0	2.5	2.5	2.0	2.5	5.0	3.5	4.0	6.0	5.5	5.5
30	---	---	---	2.0	2.0	2.0	5.5	4.0	4.5	6.0	5.5	6.0
31	---	---	---	2.0	2.0	2.0	---	---	---	6.0	5.5	6.0
MONTH	3.5	1.0	2.4	3.0	1.5	2.2	5.5	2.0	3.5	6.5	4.0	5.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	5.5	6.0	8.5	8.5	8.5	9.0	8.5	9.0	9.5	8.5	9.0
2	6.0	5.5	5.5	8.5	8.5	8.5	9.5	8.5	9.0	9.5	9.0	9.0
3	6.5	5.5	6.0	8.5	8.5	8.5	9.5	9.0	9.0	9.5	9.0	9.5
4	6.5	5.5	6.0	8.5	8.0	8.5	9.5	8.5	9.0	9.5	9.0	9.0
5	6.5	6.0	6.5	8.5	8.0	8.5	9.5	8.5	9.0	9.0	9.0	9.0
6	7.0	6.0	6.5	8.5	8.0	8.5	9.5	9.0	9.0	9.0	9.0	9.0
7	7.5	6.5	7.0	9.0	8.5	8.5	9.5	9.0	9.5	9.0	8.0	8.5
8	7.0	6.5	6.5	9.5	8.0	8.5	10.0	8.5	9.5	8.5	8.0	8.0
9	6.5	6.5	6.5	9.0	8.5	8.5	10.0	9.0	9.5	8.0	6.5	7.5
10	6.5	6.0	6.5	8.5	8.5	8.5	10.5	9.0	9.5	8.0	6.5	7.0
11	6.5	6.0	6.0	9.0	8.5	8.5	10.0	9.5	9.5	8.0	7.0	7.5
12	7.0	6.0	6.5	9.5	8.0	8.5	10.0	9.0	9.5	8.5	8.0	8.0
13	6.5	6.0	6.5	9.5	8.5	9.0	10.0	9.0	9.5	8.5	8.5	8.5
14	6.5	6.5	6.5	9.5	8.5	9.0	10.0	9.0	9.5	8.5	8.0	8.0
15	7.0	6.5	6.5	9.5	8.5	9.0	10.5	9.0	10.0	8.0	7.5	8.0
16	7.0	6.0	6.5	10.0	8.5	9.0	11.0	9.5	10.0	8.0	7.5	8.0
17	7.5	6.5	7.0	9.0	9.0	9.0	10.5	9.5	10.0	8.0	6.5	7.5
18	8.0	7.0	7.5	9.5	8.5	9.0	10.5	10.0	10.0	7.5	6.5	7.0
19	8.5	7.0	7.5	9.0	8.5	9.0	10.0	10.0	10.0	7.5	6.0	7.0
20	8.5	7.5	8.0	9.0	9.0	9.0	10.0	10.0	10.0	8.5	7.5	8.0
21	8.5	7.5	8.0	9.0	9.0	9.0	10.5	9.5	10.0	9.0	8.5	8.5
22	9.0	7.5	8.5	9.5	8.5	9.0	10.0	9.5	10.0	8.5	8.5	8.5
23	9.0	8.0	8.5	9.5	9.0	9.0	10.0	8.5	9.5	9.0	8.5	8.5
24	9.0	8.0	8.5	9.5	9.0	9.0	10.0	9.0	9.5	8.5	8.0	8.5
25	9.5	8.0	8.5	9.0	9.0	9.0	10.0	9.0	9.5	8.5	8.0	8.0
26	9.0	8.5	8.5	9.0	8.5	9.0	10.0	9.0	9.5	8.0	8.0	8.0
27	8.5	8.0	8.5	9.0	8.5	9.0	9.5	9.5	9.5	8.0	7.5	8.0
28	8.5	8.0	8.5	9.5	9.0	9.0	9.5	9.0	9.5	7.5	7.5	7.5
29	8.5	8.0	8.5	9.0	9.0	9.0	9.5	9.0	9.5	7.5	7.5	7.5
30	8.5	8.5	8.5	9.0	8.5	9.0	9.5	9.0	9.5	7.5	7.5	7.5
31	---	---	---	9.0	8.5	9.0	9.5	9.0	9.5	---	---	---
MONTH	9.5	5.5	7.2	10.0	8.0	8.8	11.0	8.5	9.5	9.5	6.0	8.1