

SOUTHEAST ALASKA

15056030 KAKUHAN CREEK NEAR HAINES

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1998 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1998 to current year.

INSTRUMENTATION.-- Electronic water-temperature recorder set for 15-minute recording interval.

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 22. No variation was found within the cross section. No variation was found between mean stream temperature and sensor temperature. Sensor was moved upstream 200ft on May 15,2003.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 15.5°C, August 16, 2004; minimum, 0.0°C, on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.5°C, August 16; minimum, 0.0°C, on many days during winter.

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

Date	Time	Stream width, feet (00004)	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							
22...	1430	23.0	3.0	11.00	4.7	5.5	6.5
22...	1431	23.0	6.0	11.00	4.7	5.5	6.5
22...	1432	23.0	9.0	11.00	4.7	5.5	6.5
22...	1433	23.0	12.0	11.00	4.7	5.5	6.5
22...	1434	23.0	15.0	11.00	4.7	5.5	6.5
22...	1435	23.0	18.0	11.00	4.7	5.5	6.5
22...	1436	23.0	21.0	11.00	4.7	5.5	6.5

TEMPERATURE, WATER (DEGREES CELSIUS), 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	11.5	7.5	9.0	4.0	0.5	2.5	0.5	0.0	0.5	0.0	0.0	0.0
2	11.0	7.5	8.5	3.0	1.5	2.5	0.5	0.0	0.5	0.0	0.0	0.0
3	10.0	7.5	8.5	2.5	1.0	1.5	0.5	0.0	0.5	0.0	0.0	0.0
4	9.0	8.0	8.5	1.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
5	8.5	7.0	7.5	1.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
6	8.5	6.5	7.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7.5	6.5	7.0	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7.5	5.0	6.0	3.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7.0	5.0	6.0	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
10	6.0	4.5	5.0	2.5	1.5	2.0	0.0	0.0	0.0	0.5	0.0	0.0
11	5.5	3.5	4.5	3.0	1.0	2.0	0.0	0.0	0.0	0.5	0.0	0.5
12	6.0	3.0	4.5	4.5	3.0	4.0	0.5	0.0	0.5	0.5	0.5	0.5
13	5.5	4.5	5.0	3.5	1.5	2.5	1.0	0.5	0.5	0.5	0.0	0.0
14	5.5	4.0	5.0	2.5	1.5	2.0	0.5	0.5	0.5	0.5	0.0	0.0
15	5.0	3.0	3.5	3.5	2.5	3.0	0.5	0.0	0.5	0.0	0.0	0.0
16	4.0	3.0	3.5	2.5	0.0	1.0	1.0	0.0	0.5	0.0	0.0	0.0
17	5.0	4.0	4.0	0.0	0.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0
18	6.0	4.5	5.5	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0
19	6.5	5.5	6.0	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0
20	7.0	5.0	6.0	0.0	0.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0
21	5.5	4.0	5.0	0.0	0.0	0.0	1.0	0.0	0.5	0.5	0.0	0.0
22	5.5	4.5	5.0	0.0	0.0	0.0	2.5	0.5	2.0	1.0	0.0	0.5
23	5.5	4.5	5.0	0.0	0.0	0.0	2.0	1.5	1.5	1.0	0.0	0.5
24	5.0	4.5	4.5	0.5	0.0	0.0	1.5	1.0	1.5	0.0	0.0	0.0
25	7.5	4.5	7.0	0.0	0.0	0.0	1.5	0.5	1.0	0.0	0.0	0.0
26	6.5	5.0	6.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
27	5.5	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	4.5	2.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	2.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	1.0	0.0	0.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	11.5	0.0	5.3	4.5	0.0	1.0	2.5	0.0	0.4	1.0	0.0	0.1

SOUTHEAST ALASKA

15056030 KAKUHAN CREEK NEAR HAINES—Continued

TEMPERATURE, WATER (DEGREES CELSIUS), 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	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	5.5	4.5	5.0
2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5	5.5	4.0	5.0
3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	1.5	7.5	4.0	5.0
4	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.5	2.0	6.0	3.5	4.5
5	0.0	0.0	0.0	0.5	0.0	0.0	2.5	1.5	2.0	6.0	3.0	4.5
6	0.5	0.0	0.0	0.5	0.0	0.5	3.5	1.5	2.5	6.5	3.5	4.5
7	0.5	0.0	0.5	1.0	0.0	0.5	3.5	2.0	3.0	7.0	4.0	5.0
8	0.5	0.0	0.5	1.0	0.0	0.0	4.0	2.0	2.5	7.5	4.0	5.0
9	1.0	0.0	0.5	1.0	0.0	0.5	3.0	2.0	2.5	5.5	4.0	5.0
10	1.0	0.5	1.0	1.5	1.0	1.0	4.0	2.5	3.0	7.5	4.0	5.0
11	1.5	1.0	1.0	2.0	1.0	1.5	4.0	1.5	2.5	7.5	4.0	5.5
12	1.5	1.0	1.0	2.0	0.5	1.5	3.0	2.5	3.0	8.0	4.0	5.5
13	1.5	1.0	1.5	1.5	0.5	1.0	4.0	2.5	3.0	8.0	4.5	6.0
14	1.5	1.0	1.5	1.0	0.0	0.5	3.0	2.0	2.5	8.0	4.5	6.0
15	1.0	0.5	1.0	1.5	1.0	1.0	3.5	1.5	2.0	8.0	4.5	5.5
16	0.5	0.5	0.5	2.0	1.0	1.0	3.0	1.0	2.0	7.5	5.0	6.0
17	0.5	0.5	0.5	1.5	0.0	1.0	3.0	2.0	2.5	8.0	4.5	6.0
18	1.5	0.0	0.5	0.0	0.0	0.0	3.5	2.0	2.5	8.0	4.5	6.0
19	1.5	1.5	1.5	0.0	0.0	0.0	3.5	1.5	2.5	9.0	5.0	6.5
20	2.0	1.5	1.5	0.0	0.0	0.0	4.0	1.5	2.5	9.0	5.0	6.5
21	2.0	1.5	2.0	0.0	0.0	0.0	4.5	2.0	3.0	7.5	4.5	5.5
22	2.5	1.5	2.0	0.0	0.0	0.0	3.5	2.5	3.0	8.0	4.5	6.0
23	2.0	1.5	2.0	0.0	0.0	0.0	4.0	2.5	3.0	8.5	4.5	6.0
24	2.0	1.5	1.5	0.5	0.0	0.0	3.5	2.5	3.0	6.5	6.0	6.0
25	1.5	1.0	1.0	1.5	0.5	1.0	3.5	2.5	3.0	6.5	5.0	5.5
26	1.0	0.5	0.5	2.0	1.0	1.5	4.0	2.0	3.5	8.0	5.0	6.0
27	0.5	0.0	0.0	2.0	1.5	1.5	5.0	2.5	3.5	7.5	4.5	6.0
28	0.5	0.0	0.0	1.5	0.0	1.0	5.5	3.0	4.0	8.5	4.5	6.0
29	0.5	0.0	0.5	1.5	0.5	1.5	6.5	3.0	4.0	7.5	5.5	6.5
30	---	---	---	0.5	0.0	0.5	7.5	4.0	5.0	8.0	4.5	6.0
31	---	---	---	0.5	0.0	0.0	---	---	---	8.0	5.5	6.5
MONTH	2.5	0.0	0.8	2.0	0.0	0.5	7.5	0.0	2.6	9.0	3.0	5.6
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.5	5.5	6.5	9.5	8.0	9.0	11.0	9.0	9.5	12.0	7.5	9.0
2	6.5	5.0	5.5	12.5	8.5	10.0	10.5	8.0	9.5	10.0	8.5	9.0
3	9.5	4.5	6.5	10.0	9.0	9.5	10.5	9.0	9.5	9.5	7.5	8.5
4	9.5	6.0	7.5	11.5	8.5	9.5	13.5	8.0	10.5	9.0	7.5	8.0
5	9.0	7.0	7.5	11.0	8.0	9.0	14.0	9.0	11.0	7.5	6.0	6.5
6	12.5	6.5	9.0	12.0	8.0	9.5	14.0	9.5	11.0	7.5	6.0	6.5
7	11.0	7.0	8.5	11.0	8.0	9.5	14.0	9.0	11.0	7.0	4.0	5.5
8	7.0	6.0	6.5	13.0	8.5	10.5	14.0	9.5	11.5	7.5	4.0	5.5
9	7.0	5.5	6.0	13.0	9.0	10.5	14.5	9.5	11.5	7.5	4.0	5.5
10	7.0	5.0	5.5	10.0	9.0	10.0	14.0	10.0	11.5	7.0	4.0	5.5
11	7.5	5.0	6.5	13.0	8.5	10.5	12.0	9.0	10.5	7.0	5.5	6.0
12	9.5	6.0	7.5	14.0	9.0	11.0	12.5	8.0	10.0	7.5	6.5	7.0
13	9.5	6.0	8.0	14.0	9.0	11.5	14.0	8.5	11.0	7.5	6.5	7.0
14	7.5	6.5	7.0	14.5	10.0	12.0	15.0	9.5	12.0	8.0	6.5	7.0
15	8.0	6.5	7.0	15.0	10.0	12.0	14.5	10.5	12.0	8.0	6.5	7.0
16	10.0	5.5	7.5	15.0	9.5	11.5	15.5	10.5	12.5	8.0	5.5	6.5
17	12.0	6.5	9.0	11.5	9.5	10.5	14.5	10.5	12.0	7.0	5.0	6.0
18	12.5	7.5	9.5	11.5	9.5	10.5	12.0	10.5	11.5	7.0	4.5	5.5
19	12.5	7.5	9.5	13.5	9.0	10.5	12.0	10.5	11.0	6.5	4.5	5.5
20	12.0	7.5	9.0	13.5	10.0	11.0	13.5	10.0	11.0	7.5	6.0	6.5
21	12.5	7.5	9.5	12.5	10.5	11.5	13.5	9.5	11.5	9.0	6.5	7.5
22	12.5	7.5	9.5	12.5	9.5	10.5	11.0	8.0	9.5	7.0	6.0	6.5
23	13.0	8.0	10.0	12.5	9.5	10.5	11.5	7.0	9.0	8.0	6.5	7.0
24	13.5	8.5	10.5	11.0	9.0	10.0	12.0	8.0	9.5	7.5	5.5	6.5
25	13.5	8.5	10.5	10.5	8.5	9.5	11.0	8.5	9.5	6.5	4.5	5.5
26	13.0	8.5	10.5	10.0	8.0	9.0	11.0	9.5	10.0	7.0	6.0	6.5
27	10.5	9.0	10.0	10.5	9.5	10.0	10.0	9.0	9.5	7.5	5.0	6.5
28	10.0	8.5	9.0	11.5	9.5	10.5	10.5	8.5	9.0	6.5	5.0	6.0
29	12.5	8.5	10.0	10.0	8.5	9.0	11.5	8.0	9.5	7.5	6.5	7.0
30	10.0	9.0	9.5	11.5	8.0	9.5	12.5	7.5	9.5	8.0	7.0	7.5
31	---	---	---	11.0	8.5	9.5	12.0	7.5	9.0	---	---	---
MONTH	13.5	4.5	8.3	15.0	8.0	10.2	15.5	7.0	10.5	12.0	4.0	6.7