

# SOUTHEAST ALASKA

15106920 KADASHAN RIVER ABOVE HOOK CREEK NEAR TENAKEE

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-72, 1974-77, 1981-1985, and 1987 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1967 to September 1978, December 1981 to December 1984, March 1987 to March 1988, and September 1988 to current year.

INSTRUMENTATION.--Digital water-temperature recorder, November 1967 to December 1984, set for 1-hour punch interval. Electronic water-temperature recorder since March 13, 1987, set for 2-hour recording interval. Electronic water-temperature recorder with 15-minute recording interval since July 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 sections on October 1, and June 22. No variation was found in the temperature cross section on October 1, and a 1.0°C variation on June 22, during low flow and warm weather conditions. No variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 16.5°C, July 15, 1993; minimum, 0.0°C, on many days during most winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.5°C, July 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							
01...	1605	47.0	4.0	1.64	38	8.5	12.0
01...	1606	47.0	11.0	1.64	38	8.5	12.0
01...	1607	47.0	18.0	1.64	38	8.5	12.0
01...	1608	47.0	25.0	1.64	38	8.5	12.0
01...	1609	47.0	32.0	1.64	38	8.5	12.0
JUN							
22...	1140	24.0	2.0	1.32	13	12.0	26.5
22...	1141	24.0	6.0	1.32	13	12.0	26.5
22...	1142	24.0	10.0	1.32	13	12.0	26.5
22...	1143	24.0	14.0	1.32	13	12.0	26.5
22...	1144	24.0	18.0	1.32	13	12.5	26.5
22...	1145	24.0	22.0	1.32	13	13.0	26.5

### 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	9.0	8.0	8.5	3.5	3.0	3.5	0.5	0.0	0.5	2.0	1.0	1.5
2	8.0	7.5	8.0	3.5	3.0	3.0	0.5	0.0	0.5	1.0	0.5	0.5
3	8.5	7.5	8.0	3.0	2.0	3.0	2.0	0.5	1.5	0.5	0.0	0.5
4	9.0	8.0	8.5	2.5	2.0	2.0	2.0	1.5	1.5	0.5	0.0	0.0
5	8.5	8.0	8.5	2.5	2.0	2.5	2.0	2.0	2.0	0.5	0.0	0.0
6	9.0	8.0	8.5	3.0	2.5	2.5	2.0	1.5	2.0	0.5	0.0	0.0
7	9.0	8.5	9.0	3.0	3.0	3.0	2.0	1.5	1.5	0.0	0.0	0.0
8	8.5	7.5	8.0	3.5	3.0	3.5	2.0	2.0	2.0	0.0	0.0	0.0
9	7.5	7.0	7.5	3.5	3.0	3.5	2.0	0.5	1.5	0.0	0.0	0.0
10	7.0	6.5	7.0	3.5	3.0	3.0	1.0	0.5	0.5	0.5	0.0	0.0
11	6.5	5.5	6.5	3.5	3.0	3.0	1.5	1.0	1.5	1.0	0.5	0.5
12	6.0	5.0	5.5	4.5	3.5	4.5	1.5	1.0	1.5	1.0	1.0	1.0
13	6.0	5.0	5.5	4.0	3.0	3.5	1.5	1.0	1.5	1.0	0.0	0.5
14	6.5	5.5	6.0	3.5	2.5	3.0	1.5	1.0	1.5	1.0	0.0	0.5
15	6.0	4.5	5.0	3.5	3.0	3.5	1.5	0.5	1.0	1.5	0.5	1.0
16	5.5	4.5	5.0	4.0	3.5	3.5	1.0	1.0	1.0	1.5	1.0	1.5
17	6.0	5.5	5.5	3.5	3.0	3.5	1.5	1.0	1.0	1.0	1.0	1.0
18	6.5	6.0	6.5	3.0	2.0	2.5	1.5	0.0	1.0	1.5	1.0	1.5
19	7.0	6.5	6.5	2.0	1.0	1.5	1.5	1.0	1.5	2.0	1.5	1.5
20	7.0	5.5	6.5	1.0	0.5	1.0	2.0	1.5	2.0	2.0	1.5	1.5
21	6.0	5.0	5.5	1.5	0.5	1.0	2.5	1.5	2.0	2.0	1.5	1.5
22	6.5	6.0	6.0	2.0	1.5	1.5	2.0	1.0	1.5	2.0	1.5	1.5
23	6.0	5.5	6.0	2.0	1.5	2.0	2.5	2.0	2.0	2.0	1.5	2.0
24	6.5	5.5	6.0	2.0	0.5	1.5	2.5	2.0	2.5	1.5	0.5	1.0
25	8.0	6.5	7.0	2.0	0.5	1.5	2.5	2.0	2.5	0.5	0.0	0.0
26	8.0	7.0	7.5	1.5	1.5	1.5	2.0	1.5	2.0	0.0	0.0	0.0
27	7.0	6.0	6.5	1.5	1.5	1.5	1.5	1.0	1.0	0.0	0.0	0.0
28	6.0	5.0	5.0	1.5	0.0	1.0	1.5	0.5	1.0	0.0	0.0	0.0
29	5.0	3.5	4.5	1.0	0.5	1.0	1.5	1.5	1.5	0.0	0.0	0.0
30	3.5	3.0	3.0	1.0	0.0	0.5	2.0	1.5	2.0	0.0	0.0	0.0
31	3.5	2.5	3.0	---	---	---	2.0	2.0	2.0	1.0	0.0	0.0
MONTH	9.0	2.5	6.5	4.5	0.0	2.4	2.5	0.0	1.5	2.0	0.0	0.6

# SOUTHEAST ALASKA

## 15106920 KADASHAN RIVER ABOVE HOOK CREEK NEAR TENAKEE—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
													FEBRUARY
1	1.0	0.5	1.0	2.0	1.0	1.5	1.5	1.0	1.5	4.0	3.5	4.0	
2	1.0	0.5	0.5	1.5	1.0	1.5	1.5	0.5	1.0	4.5	3.5	4.0	
3	1.0	0.5	1.0	1.5	0.5	1.0	2.0	1.0	1.5	5.0	3.5	4.0	
4	1.0	1.0	1.0	2.0	1.5	1.5	3.0	1.5	2.0	5.5	3.5	4.0	
5	1.0	0.0	0.5	1.5	0.5	1.0	3.0	2.0	2.5	5.5	3.0	4.0	
6	0.5	0.0	0.5	1.0	0.5	1.0	3.5	2.0	2.5	5.5	3.0	4.5	
7	0.5	0.0	0.5	1.0	0.5	0.5	3.0	2.0	2.5	5.5	3.5	4.5	
8	0.5	0.0	0.5	1.0	0.5	0.5	3.5	1.5	2.5	6.0	4.0	5.0	
9	1.0	0.0	0.5	1.5	0.5	1.0	3.5	2.5	3.0	5.0	4.5	4.5	
10	1.5	0.5	1.0	1.0	0.5	1.0	3.5	2.5	3.0	6.0	3.5	4.5	
11	2.0	1.5	1.5	2.0	1.0	1.5	4.0	2.5	3.0	6.0	3.5	5.0	
12	2.0	1.5	1.5	2.5	1.5	2.0	3.0	2.5	3.0	6.5	4.0	5.0	
13	2.5	1.5	2.0	2.5	2.0	2.0	4.0	2.5	3.0	6.5	4.0	5.5	
14	2.0	1.5	2.0	2.0	1.0	2.0	4.0	2.5	3.0	6.5	4.0	5.5	
15	2.0	1.5	1.5	1.5	1.0	1.0	3.5	2.0	2.5	6.0	4.0	5.0	
16	2.0	1.5	2.0	1.5	0.5	1.0	3.5	1.5	2.5	6.0	5.0	5.5	
17	2.5	2.0	2.0	2.0	1.0	1.5	4.0	3.0	3.5	6.5	5.0	5.5	
18	2.5	2.0	2.0	1.5	1.0	1.5	3.5	2.0	3.0	6.5	5.0	6.0	
19	2.0	1.5	2.0	1.5	0.5	1.0	4.0	2.5	3.0	7.0	5.0	6.0	
20	2.0	1.5	1.5	2.0	1.5	1.5	4.0	2.0	3.5	7.5	4.5	6.0	
21	2.5	1.5	2.0	2.0	1.0	1.5	4.5	2.0	3.5	7.0	5.0	6.0	
22	2.5	1.5	2.0	2.0	1.0	1.5	4.0	2.5	3.5	7.5	4.5	6.0	
23	2.5	2.0	2.5	2.5	1.5	2.0	3.5	2.0	3.0	7.5	5.0	6.5	
24	2.5	2.0	2.0	2.5	1.5	2.0	4.0	3.0	3.0	7.0	6.0	6.5	
25	2.0	1.0	1.5	3.0	2.0	2.5	3.5	3.0	3.0	6.5	5.5	6.0	
26	1.5	1.0	1.5	2.5	1.5	2.0	4.0	3.0	3.5	6.5	5.5	6.0	
27	1.5	0.5	1.0	2.5	2.0	2.0	4.5	3.0	3.5	7.0	5.5	6.5	
28	2.0	1.0	1.5	2.0	1.0	1.5	4.5	3.5	4.0	7.0	5.5	6.5	
29	1.5	1.0	1.5	1.5	0.5	1.0	5.0	2.5	4.0	6.5	5.5	6.5	
30	---	---	---	1.0	0.5	1.0	5.5	3.0	4.0	7.5	6.0	7.0	
31	---	---	---	1.0	0.5	1.0	---	---	---	7.0	6.0	6.5	
MONTH	2.5	0.0	1.4	3.0	0.5	1.4	5.5	0.5	2.9	7.5	3.0	5.4	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE			JULY			AUGUST			SEPTEMBER		
1	7.5	6.0	7.0	12.5	11.0	12.0	12.0	11.0	11.5	11.5	10.0	11.0	
2	7.0	6.0	6.5	12.0	11.5	12.0	13.0	11.5	12.0	11.5	10.0	10.5	
3	8.5	6.0	7.0	13.0	11.5	12.0	13.0	12.0	12.5	11.5	11.0	11.0	
4	8.0	6.5	7.5	12.5	11.5	12.0	14.0	11.0	12.5	11.0	10.5	11.0	
5	8.5	7.5	8.0	12.5	11.0	11.5	13.0	11.0	12.0	11.0	10.0	10.5	
6	9.0	7.0	8.0	12.0	11.0	11.5	12.5	12.0	12.0	10.5	10.0	10.5	
7	10.0	7.5	8.5	12.5	11.0	12.0	13.5	12.0	12.5	10.0	8.5	9.5	
8	9.0	7.5	8.0	14.0	11.0	12.0	13.5	11.0	12.0	8.5	7.5	8.5	
9	8.5	7.5	8.0	13.5	11.5	12.5	14.0	11.0	12.5	8.0	6.5	7.5	
10	8.5	7.0	8.0	12.5	12.0	12.0	14.0	11.5	13.0	8.0	6.0	7.0	
11	8.0	7.0	7.5	13.0	11.5	12.0	14.0	12.5	13.0	8.0	7.0	7.5	
12	8.5	7.5	8.0	14.0	11.0	12.5	14.0	11.5	12.5	8.5	8.0	8.5	
13	8.5	7.5	8.0	14.5	11.5	13.0	14.0	11.5	12.5	9.5	8.5	9.0	
14	8.0	7.5	8.0	14.5	12.0	13.0	14.0	11.0	12.5	9.0	8.5	9.0	
15	9.0	7.5	8.5	15.0	12.0	13.5	14.5	12.0	13.0	8.5	8.0	8.5	
16	10.0	7.5	9.0	15.5	12.5	14.0	14.5	12.5	13.5	8.5	7.5	8.0	
17	11.0	8.0	9.5	14.0	13.0	13.5	15.0	13.0	14.0	7.5	6.5	7.0	
18	12.0	9.0	10.5	14.0	12.5	13.0	14.5	13.5	14.0	7.0	5.5	6.5	
19	12.5	10.0	11.5	13.5	11.5	12.5	14.0	13.5	13.5	7.0	5.5	6.0	
20	13.5	10.5	12.0	13.0	12.5	12.5	14.0	13.0	13.5	---	---	---	
21	13.0	10.5	12.0	13.0	12.0	12.5	14.5	12.5	13.5	---	---	---	
22	14.0	11.0	12.5	14.0	12.0	13.0	14.0	12.0	13.0	---	---	---	
23	14.0	11.0	12.5	13.5	12.5	13.0	13.0	10.5	12.0	---	---	---	
24	14.5	11.5	13.0	14.5	12.5	13.0	13.0	10.5	12.0	---	---	---	
25	15.0	12.0	13.5	13.5	12.0	12.5	12.5	10.5	11.5	---	---	---	
26	13.5	12.0	12.5	12.5	12.0	12.0	12.5	11.0	12.0	---	---	---	
27	12.5	11.5	12.0	12.5	12.0	12.0	12.5	11.5	12.0	---	---	---	
28	12.0	11.0	11.5	13.0	12.0	12.5	12.5	11.5	12.0	---	---	---	
29	11.5	11.0	11.5	12.5	12.0	12.5	12.5	11.0	12.0	---	---	---	
30	12.0	11.0	11.5	13.0	11.5	12.5	12.5	11.0	11.5	---	---	---	
31	---	---	---	12.5	11.0	12.0	12.0	10.5	11.5	---	---	---	
MONTH	15.0	6.0	9.7	15.5	11.0	12.5	15.0	10.5	12.5	---	---	---	