

YUKON ALASKA

15564879 SLATE CREEK AT COLDFOOT

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1998 to current year (seasonal).

INSTRUMENTATION.--Water-temperature recorder since May 11, 1998. Electronic water temperature recorder set for 1-hour recording interval.

REMARKS.--Record missing October 1 to May 10 due to probe frozen in ice or malfunctioning probe. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on May 26, June 5, July 19 and September 12. Variation within the cross sections was less than 0.2°C. The variation found between mean stream temperature and sensor temperature was less than 0.2°C.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 15.5°C, August 20, 2004; minimum, 0.0°C, on many days during winter and spring breakup periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.0°C, June 28-29, and August 13; minimum, 0.0°C, on several days during winter and spring breakup.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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)	Sampling method, code (82398)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
MAY								
26...	1009	64.0	5.0	15.24	381	10	2.9	18.2
26...	1010	64.0	15.0	15.24	381	10	3.0	18.2
26...	1011	64.0	25.0	15.24	381	10	2.9	18.2
26...	1012	64.0	35.0	15.24	381	10	2.9	18.2
26...	1013	64.0	45.0	15.24	381	10	3.0	18.2
26...	1014	64.0	55.0	15.24	381	10	2.9	18.2
JUN								
5...	1006	55.5	9.2	14.93	255	10	3.8	11.5
5...	1007	55.5	18.5	14.93	255	10	3.8	11.5
5...	1008	55.5	27.8	14.93	255	10	3.8	11.5
5...	1009	55.5	37.0	14.93	255	10	4.0	11.5
5...	1010	55.5	46.2	14.93	255	10	3.9	11.5
JUL								
19...	0923	55.5	51.0	14.75	188	10	8.4	13.6
19...	0924	55.5	41.0	14.75	188	10	8.4	13.6
19...	0925	55.5	31.0	14.75	188	10	8.4	13.6
19...	0927	55.5	21.0	14.75	188	10	8.4	13.6
19...	0928	55.5	11.0	14.75	188	10	8.4	13.6
19...	0930	55.5	1.0	14.75	188	10	8.4	13.6
SEP								
12...	1945	53.5	50.5	14.46	101	10	6.5	7.3
12...	1950	53.5	40.5	14.46	101	10	6.5	7.3
12...	1955	53.5	30.5	14.46	101	10	6.6	7.3
12...	2000	53.5	20.5	14.46	101	10	6.6	7.3
12...	2005	53.5	10.5	14.46	101	10	6.4	7.3

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15564879 SLATE CREEK AT COLDFOOT—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	1.0	0.0	---
12	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
13	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
14	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
15	---	---	---	---	---	---	---	---	---	1.0	0.0	0.5
16	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
17	---	---	---	---	---	---	---	---	---	2.0	0.0	0.5
18	---	---	---	---	---	---	---	---	---	1.5	0.5	1.0
19	---	---	---	---	---	---	---	---	---	4.0	0.0	2.0
20	---	---	---	---	---	---	---	---	---	4.5	0.5	2.5
21	---	---	---	---	---	---	---	---	---	5.0	1.0	3.0
22	---	---	---	---	---	---	---	---	---	5.0	1.5	3.0
23	---	---	---	---	---	---	---	---	---	6.0	0.5	3.5
24	---	---	---	---	---	---	---	---	---	7.5	1.0	4.0
25	---	---	---	---	---	---	---	---	---	8.0	1.0	4.5
26	---	---	---	---	---	---	---	---	---	6.0	1.5	4.0
27	---	---	---	---	---	---	---	---	---	8.0	3.0	5.0
28	---	---	---	---	---	---	---	---	---	7.5	2.0	5.0
29	---	---	---	---	---	---	---	---	---	8.0	3.5	5.5
30	---	---	---	---	---	---	---	---	---	8.0	3.0	5.0
31	---	---	---	---	---	---	---	---	---	8.0	2.5	5.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.5	3.5	5.0	11.5	8.5	10.5	11.5	8.0	9.5	6.5	4.5	5.5
2	5.0	3.0	4.0	12.0	8.5	10.0	12.5	7.5	10.0	6.5	4.0	5.0
3	8.5	2.5	5.0	12.5	8.5	10.5	12.5	7.0	9.5	6.5	5.0	5.5
4	7.5	3.0	5.5	11.0	9.0	9.5	12.5	7.0	10.0	7.0	5.0	6.0
5	8.5	3.5	5.5	12.5	7.5	10.0	10.5	7.0	9.0	7.0	5.0	6.0
6	8.5	3.5	6.0	11.0	8.0	9.5	9.5	8.5	9.0	7.5	5.0	6.0
7	9.5	3.5	6.5	13.5	7.0	10.0	9.0	8.0	8.5	8.0	4.5	6.5
8	8.0	3.5	6.0	11.0	8.0	9.0	10.5	8.0	9.0	7.5	5.5	6.5
9	9.5	4.5	7.0	9.5	8.5	9.0	13.5	8.5	10.5	5.5	3.0	4.5
10	12.5	5.5	8.5	9.0	8.0	8.5	13.0	8.0	10.5	7.0	5.0	6.0
11	11.0	5.5	8.5	8.5	6.5	7.5	12.0	8.5	10.5	8.0	6.0	6.5
12	12.5	6.0	8.5	7.0	5.5	6.0	13.5	8.5	10.5	7.0	6.0	6.5
13	12.5	6.0	9.0	10.5	5.5	7.5	14.0	8.5	11.0	6.5	5.0	5.5
14	13.0	7.0	9.5	11.0	6.0	8.5	13.5	9.5	11.5	7.0	5.0	6.0
15	12.5	6.0	9.0	13.0	6.0	9.5	13.5	9.0	11.0	7.0	5.0	6.0
16	11.5	6.5	9.0	12.5	7.5	10.0	13.5	8.5	11.0	7.5	5.0	6.0
17	13.0	6.5	9.5	11.0	8.0	9.5	13.0	8.5	11.0	7.5	5.5	6.0
18	11.5	6.0	8.5	11.5	8.0	10.0	11.0	7.5	9.0	6.5	4.5	5.5
19	10.5	6.0	8.0	13.0	8.0	10.0	10.0	6.0	8.5	6.5	4.5	5.5
20	12.5	6.0	9.0	12.5	8.0	10.0	10.0	6.0	8.0	5.5	5.0	5.5
21	12.0	6.5	9.5	13.5	6.5	9.5	10.0	8.5	9.0	5.5	4.0	5.0
22	12.5	6.5	9.0	13.0	7.0	10.0	10.5	8.5	9.0	5.0	4.0	4.5
23	10.0	6.5	8.5	13.5	7.5	10.5	9.5	8.0	8.5	5.0	3.5	4.5
24	10.5	6.0	8.5	13.5	8.5	10.5	10.0	8.0	9.0	4.5	2.5	3.5
25	11.0	6.0	8.5	13.5	7.5	10.5	9.5	8.0	8.5	5.0	3.5	4.0
26	12.0	6.5	9.5	13.0	7.5	10.5	8.5	6.5	7.5	4.5	3.0	4.0
27	13.5	7.5	10.5	13.0	7.5	10.0	9.5	5.5	7.0	3.0	1.5	2.0
28	14.0	8.0	11.0	13.5	8.0	10.5	9.0	6.5	7.5	3.0	0.5	1.5
29	14.0	9.0	11.5	13.0	8.0	10.5	9.5	6.5	8.0	2.0	1.0	1.5
30	13.0	9.0	11.0	12.0	7.5	10.0	9.5	6.5	8.0	2.0	1.0	1.5
31	---	---	---	12.0	8.0	10.0	8.0	5.0	6.0	---	---	---
MONTH	14.0	2.5	8.2	13.5	5.5	9.6	14.0	5.0	9.2	8.0	0.5	5.0