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 1hour recording interval.

REMARKS.--Record not used or absent October 24 to May 13 and August 24 to September 30 due to probe being frozen in ice, or malfunctioning. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on June 10, July 13 and September 20. Variation within the cross sections was less than $0.3\,^{\circ}\text{C}$. The variation found between mean stream temperature and sensor temperature was less than $0.5\,^{\circ}\text{C}$.

EXTREMES FOR PERIOD OF RECORD.-WATER TEMPERATURE: Maximum, 15.5°C, August 20, 2004; minimum, 0.0°C, on many days during spring breakup and winter

EXTREMES FOR CURRENT YEAR .--

WATER TEMPERATURE: Maximum, 15.5°C, August 20; minimum, 0°C, on many days during fall, winter, and spring breakup periods.

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

Date	Time	Stream width, feet (00004)	Loca- tion in X-sect. looking dwnstrm ft from 1 bank (00009)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Temper- ature, water, deg C (00010)	Temper- ature, air, deg C (00020)
JUN								
10 10 10 10	0910 0911 0912 0913 0914	59.4 59.4 59.4 59.4 59.4	52.2 40.2 28.2 16.2 4.2	14.42 14.42 14.42 14.42 14.42	132 132 132 132 132	10 10 10 10 10	4.9 4.9 5.0 5.0	14.7 14.7 14.7 14.7 14.7
JUL								
13 13 13 13	0954 0955 0956 0957 0958	13.8 13.8 13.8 13.8 13.8	12.0 9.5 7.0 4.5 2.0	13.82 13.82 13.82 13.82 13.82	21 21 21 21 21	10 10 10 10	8.5 8.3 8.3 8.3	17.3 17.3 17.3 17.3 17.3
SEP								
20 20 20 20	1807 1810 1813 1816 1819	18.0 18.0 18.0 18.0	15.0 12.0 9.0 6.0 3.0	13.89 13.89 13.89 13.89 13.89	29 29 29 29 29	10 10 10 10 10	4.2 4.1 4.2 4.3 4.1	5.2 5.2 5.2 5.2 5.2

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WATER TEMPERATURE, 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 2 3	4.0 4.5 4.0	3.0 3.5 2.5	3.5 4.0 3.0	 					 	 		
4 5	3.5	2.0	3.0									
6 7 8	2.5 2.0 1.5	2.0 1.0 0.5	2.0 1.5 1.0	 		 	 		 	 		
9	1.0	0.0	0.5									
11 12 13	1.5 1.5 1.5	0.0 0.5 0.0	1.0 1.0 1.0	 		 			 	 	 	
14 15 16	1.0 1.0 0.5	0.0	0.0 0.5 0.5									
17 18 19	0.5 0.5 0.5	0.0 0.0 0.0	0.5 0.0 0.5	 		 				 	 	
20 21	0.5	0.0	0.5									
22 23 24	0.5 0.0 	0.0 0.0 	0.0 0.0 	 		 			 	 		
25 26												
27 28 29 30		 	 	 	 	 	 		 	 		
31												
MONTH												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	F	FEBRUARY			MARCH			APRIL			MAY	
DAY 1 2			MEAN			MEAN 			MEAN 	MAX 		MEAN
1		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	 	FEBRUARY			MARCH		 	APRIL			MAY	
1 2 3 4 5	 	FEBRUARY			MARCH		 	APRIL		 	MAY	
1 2 3 4 5 6 7 8 9		FEBRUARY		 	MARCH		 	APRIL			MAY	
1 2 3 4 5 6 7 8 9 10		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY			MARCH			APRIL		 0.5 1.0	MAY	 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY			MARCH			APRIL		 0.5 1.0	MAY 0.0 0.0 0.0	 0.5 0.5 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUARY			MARCH			APRIL		 0.5 1.0 1.0 1.0 2.0	MAY	 0.5 0.5 0.5 0.5 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUARY			MARCH			APRIL		 0.5 1.0 1.0 1.0 2.0	MAY 0.0 0.0 0.0 0.0 0.0	 0.5 0.5 0.5 0.5 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY			MARCH			APRIL		 0.5 1.0 1.0 1.0 2.0 2.0 2.0 2.0 2.0	MAY 0.0 0.0 0.0 0.0 0.0 0.0	 0.5 0.5 0.5 0.5 0.5 0.5 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20		FEBRUARY			MARCH			APRIL		 0.5 1.0 1.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	MAY	 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27		FEBRUARY			MARCH			APRIL		 0.5 1.0 1.0 1.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0	MAY	 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	JUNE				JULY			AUGUST			SEPTEMBER		
1 2 3 4 5	7.0 7.5 9.0 6.5 8.5	3.0 1.5 2.5 4.0 3.0	4.5 4.5 5.5 5.0 5.5	14.5 13.5 11.0 11.5 12.5	9.5 8.5 8.0 9.0	12.0 11.0 9.5 9.5 10.5	12.5 13.0 14.0 14.5 14.0	7.0 9.0	10.0 11.5 	 	 	 	
6 7 8 9 10	10.0 11.0 11.5 11.5	3.0 4.0 4.0 4.5 5.0	6.5 7.5 7.5 8.0 7.5	13.0 10.5 12.0 11.5 11.5	7.5 8.0 7.5 7.0 7.5	10.0 9.0 9.5 9.0 9.5	14.5 13.5 12.0 13.5 14.0	10.0 8.5 8.5	11.0 11.0 11.0	 	 	 	
11 12 13 14 15	11.5 12.0 12.0 12.0 13.5	5.0 5.0 6.0 6.0	8.0 8.5 9.0 9.0	14.0 12.5 13.0 12.0 11.0	8.0 8.5 7.5 8.0	11.0 10.5 10.0 10.0 9.5	14.5 13.0 14.0	9.0 10.5 	11.5 	 	 	 	
16 17 18 19 20	12.0 11.5 13.5 13.5 14.5	7.0 7.5 7.5 7.0 7.0	10.0 9.5 10.0 10.0	12.0 11.5 12.5 13.5	8.0 8.5 8.5 9.0	10.0 10.0 12.0	14.5 14.5 14.5 14.5 15.5	 	 	 	 	 	
21 22 23 24 25	15.0 13.0 14.0 12.0 13.0	8.5 8.0 8.5 8.5	11.5 10.5 11.0 10.0 10.5	12.0 13.0 14.0 13.5 14.0	8.5 9.5 9.5 9.5 9.0	10.0 10.5 11.0 11.0	14.0 13.5 13.0	 	 	 	 	 	
26 27 28 29 30 31	14.0 11.0 13.0 12.5 14.0	7.5 7.0 7.0 8.0 8.5	10.5 9.0 10.0 10.0 11.0	14.0 12.5 13.0 12.5 11.0	9.0 10.0 9.0 9.5 10.0	11.5 11.0 11.0 11.0 10.5	 	 	 	 	 	 	
MONTH	15.0	1.5	8.7				===			===			