SOUTHEAST ALASKA

15041200 TAKU RIVER NEAR JUNEAU

WATER-OUALITY RECORDS

PERIOD OF RECORD. -- Water years 1998 to current year (discontinued).

PERIOD OF DAILY RECORD.--WATER TEMPERATURE: June 1999 to current year(discontinued).

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

REMARKS.- Record from June 15 to September 30 missing due to damaged temperature probe. Records represent water temperature at the sensor within 0.5°C. Temperature was compared with the stream average by cross section on March 24. No variation was found within the cross section. The variation found between mean stream temperature and sensor temperature was less than 0.5°C. The outburst peak of the lake dammed by Tulsequah Glacier occurred on June 30, 2005.

EXTREMES FOR PERIOD OF DAILY RECORD.--WATER TEMPERATURE: Maximum, 12.5°C, July 14, 1999, July 20 and 21, 2001, July 9-10,12-13, and 18, 2003, June 18 and July 16, 2004; minimum, 0.0°C, many days during most winter periods.

EXTREMES FOR CURRENT YEAR.--WATER TEMPERATURE: Maximum recorded, 10.0°C, June 7-9,13, 2005; minimum, 0.0°C, many days during winter.

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

Date	Time	Stream width, feet (00004)	Loca- tion in X-sect. looking dwnstrm ft from 1 bank (00009)	Instan- taneous dis- charge, cfs (00061)	Temper- ature, water, deg C (00010)	Temper- ature, air, deg C (00020)
MAR 24 24 24 24 24 24	1252 1253 1254 1255 1256 1257	80.0 80.0 80.0 80.0 80.0 80.0 80.0	10.0 20.0 30.0 40.0 50.0 60.0	2390 2390 2390 2390 2390 2390 2390	1.0 1.0 1.0 1.0 1.0 1.0	5.0 5.0 5.0 5.0 5.0 5.0 5.0

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

DAY	MAX O	MIN CTOBER	MEAN	MAX NOV	MIN EMBER	MEAN	MAX DEC	MIN EMBER	MEAN	MAX J	MIN ANUARY	MEAN
1 2 3 4 5	7.0 7.0 7.0 7.0 6.0	6.5 6.0 6.0 5.5	6.5 7.0 6.5 6.5 6.0	2.0 2.0 2.5 2.5 2.0	1.5 1.5 2.0 2.0 1.0	1.5 1.5 2.5 2.0 1.5	2.5 2.5 2.0 1.5 0.0	2.0 2.0 1.5 0.0 0.0	2.0 2.5 2.0 1.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
6 7 8 9 10	6.0 5.5 5.5 6.0 6.0	5.0 5.0 5.0 5.0 5.0	5.5 5.0 5.0 5.5 5.5	1.5 1.0 0.0 0.5 0.5	1.0 0.0 0.0 0.0 0.0	1.0 0.5 0.0 0.0 0.0	0.0 0.0 0.5 0.5 0.5	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.5 0.5	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
11 12 13 14 15	5.5 4.5 5.5 5.5 5.5	4.5 3.5 3.5 5.0 5.0	5.0 4.0 4.5 5.5 5.0	0.5 0.5 0.0 0.0 1.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.5	0.5 0.5 0.0 0.5 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
16 17 18 19 20	5.0 4.0 3.5 1.5 1.0	3.5 3.5 1.5 0.5 0.5	4.0 4.0 2.5 0.5 1.0	1.5 1.5 1.0 1.0 1.5	0.5 1.0 0.5 0.0 1.0	1.0 1.0 1.0 0.5 1.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
21 22 23 24 25	1.0 1.5 1.5 1.0 1.5	0.5 0.5 1.0 0.5 0.5	1.0 1.0 1.0 0.5 1.0	1.0 1.5 1.0 1.0 1.0	1.0 1.0 1.0 0.5 1.0	1.0 1.0 1.0 0.5 1.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
26 27 28 29 30 31	1.5 2.5 3.0 3.0 3.0 2.5	1.0 1.5 2.0 2.5 2.5 2.0	1.5 2.0 2.5 3.0 2.5 2.5	1.0 1.5 2.0 2.0 2.0	0.5 1.0 1.5 1.5 1.5	1.0 1.0 1.5 2.0 2.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0
MONTH	7.0	0.5	3.7	2.5	0.0	0.9	2.5	0.0	0.3	0.0	0.0	0.0

SOUTHEAST ALASKA

15041200 TAKU RIVER NEAR JUNEAU—Continued

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

DAY	MAX			MAX			MAX			MAX		MEAN
		FEBRUAR			MARCH			APRIL			MAY	
1 2 3 4 5	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	2.5 2.5 3.5 3.5 3.0	1.0 1.5 1.5 2.0 1.5	1.5 2.0 2.0 2.5 2.0	6.0 6.0 6.5 6.5 7.0	3.5 3.5 4.0 4.5 4.5	4.5 4.5 5.5 5.5 5.5
6 7 8 9 10	0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	4.5 4.5 4.0 3.5 4.5	2.0 2.0 2.0 2.0 2.0	2.5 3.0 2.5 3.0 3.0	7.0 7.5 7.5 7.5 7.5 7.5	4.5 4.5 5.0 5.0 5.0	5.5 6.0 6.0 6.0 6.5
13 14 15	0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.5 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	3.5 3.5 4.5 4.0 4.0	2.5 2.0 2.0 2.5 2.0	3.0 2.5 3.0 3.0 2.5	7.5 7.0 7.0 6.5 6.0	5.0 5.0 5.0 5.0 4.5	6.5 6.0 6.0 6.0 5.5
18 19	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.5 0.5 0.0 0.0	$\begin{array}{c} 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \\ 0 . 0 \end{array}$	0.0 0.0 0.0 0.0 0.0	4.0 4.5 3.5 3.0 3.5	2.5 2.5 3.0 2.5 2.0	3.0 3.5 3.0 2.5 2.5	6.5 7.0 7.5 7.0 7.5	5.0 5.0 5.5 5.5 5.0	5.5 6.0 6.5 6.0 6.0
23 24	0 0	0.0 0.0 0.0 0.0 0.0		0.5 1.0 1.5 2.0 1.5		0.0 0.0 0.5 1.0 1.0	3.5 4.5 5.5 5.5 5.0	2.0 2.0 2.5 3.0 3.0	2.5 3.0 4.0 4.0 4.0	7.5 8.5 8.0 7.5 7.5	5.5 5.5 6.0 5.5 5.5	6.5 7.0 7.0 6.5 6.5
26 27 28 29 30 31	0.0 0.0 0.0	0.0 0.0 0.0 	0.0 0.0 0.0 	3.0 3.0 2.0 2.0 2.5 2.0	1.0 1.5 1.0 1.0 1.0 1.5	2.0 2.0 1.5 1.5 1.5 1.5	5.0 5.0 5.5 5.0 5.0	2.5 3.0 3.0 3.0 3.0	$\begin{array}{c} 4.0\\ 4.0\\ 4.0\\ 4.0\\ 4.0\\ 4.0\\\end{array}$	7.0 8.5 8.5 8.5 8.5 8.5 8.5	5.0 6.0 6.5 7.0 6.0	6.0 7.0 7.5 7.5 7.5 7.5
MONTH	0.0	0.0	0.0	3.0						8.5		6.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY		MIN JUNE	MEAN		MIN JULY	MEAN		MIN JGUST	MEAN		MIN SPTEMBER	
		JUNE 6.5 7.0	MEAN 7.5 8.0 8.0 7.5 7.5			MEAN			MEAN 		EPTEMBER	
1 2 3 4 5 6 7 8	9.0 9.5 9.5 8.5 9.0 9.5 10.0	JUNE 6.5 7.0 7.0 7.0 6.5 7.0 7.5	7.5 8.0	 	JULY	 	AT 	JGUST 	 	SI 	EPTEMBER 	
1 2 3 4 5 6 7 8 9 10	9.0 9.5 9.5 8.5 9.0 9.5 10.0 10.0 10.0 9.5	JUNE 6.5 7.0 7.0 7.0 6.5 7.0 7.5	7.5 8.0 7.5 7.5 8.5 8.5 8.5 8.5 9.0 8.5	 		 	AT	JGUST	 	SI 	EPTEMBER 	
1 2 3 4 5 6 7 8 9 10 11 12 13 14	9.0 9.5 8.5 9.0 9.5 10.0 10.0 10.0 9.5 9.0 9.0 9.0	JUNE 6.5 7.0 7.0 6.5 7.0 7.5 7.5 8.0 6.5 7.5 7.5 7.5 7.0	7.5 8.0 7.5 8.5 8.5 9.0 8.5 8.0 8.5 8.0 8.5 7.5	 	JULY			IGUST		SI	EPTEMBER	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	9.0 9.5 9.5 9.0 9.5 10.0 10.0 9.5 10.0 9.5 10.0 9.0 9.0 	JUNE 6.5 7.0 7.0 6.5 7.0 7.5 7.5 8.0 6.5 7.5 7.5 7.0 	7.5 8.0 7.5 7.5 8.5 8.5 9.0 8.5 9.0 8.5 7.5 7.5 7.5		JULY			IGUST		SI	CPTEMBER	
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 26 27 28 29 30	9.0 9.5 9.5 9.0 9.5 10.0 10.0 9.5 10.0 9.0 9.0 9.0 9.0 -	JUNE 6.5 7.0 7.0 7.5 7.5 7.5 8.0 6.5 7.5 7.5 7.5 7.0 	7.5 8.0 7.5 7.5 8.5 8.5 9.0 8.5 8.0 8.0 8.0 8.0 8.0 8.5 7.5 					JGUST			CPTEMBER	
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 26 27 28 29	9.0 9.5 9.5 9.0 9.5 10.0 10.0 9.5 10.0 9.5 10.0 9.0 -	JUNE 6.5 7.0 7.0 6.5 7.5 7.5 7.5 7.5 7.0 	7.5 8.0 8.0 7.5 7.5 8.5 8.5 9.0 8.5 8.0 8.0 8.0 8.0 8.0 8.5 7.5 					IGUST			CPTEMBER	