

SOUTHEAST ALASKA

15041200 TAKU RIVER NEAR JUNEAU

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 1999 to current year

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

REMARKS.- Records good. Records represent water temperature at the sensor within 0.5°C. The outburst peak of the lake dammed by Tulsequah Glacier occurred on June 25, 2004.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 12.5°C, July 14, 1999 , July 20 and 21, 2001, July 9-10,12-13 and 18, 2003, and June 18 and July 16, 2004; minimum, 0.0°C, many days during most winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 12.5°C, June 18 and July 16, 2004; minimum, 0.0°C, many days during winter.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	5.5	6.0	0.5	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
2	6.5	5.0	6.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
3	6.0	4.5	5.5	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
4	5.5	4.5	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
5	6.0	5.0	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6.0	5.5	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
7	6.5	5.5	6.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
8	6.5	5.5	6.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
9	6.0	5.5	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	5.5	5.0	5.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
11	5.5	4.0	4.5	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
12	4.5	3.0	3.5	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
13	3.5	3.0	3.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
14	4.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3.5	3.0	3.0	0.5	0.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0
17	3.5	3.0	3.5	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
18	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	4.0	3.5	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4.0	4.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	4.0	3.0	3.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
22	3.0	2.5	3.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
23	4.0	3.0	3.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
24	4.0	3.5	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	4.5	3.5	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	5.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
27	4.5	3.5	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	3.5	3.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	3.0	1.5	2.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
30	1.5	0.5	1.0	0.5	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
31	0.5	0.0	0.0	---	---	---	0.5	0.0	0.5	0.0	0.0	0.0
MONTH	6.5	0.0	4.0	0.5	0.0	0.1	0.5	0.0	0.1	0.5	0.0	0.0

SOUTHEAST ALASKA

15041200 TAKU RIVER NEAR JUNEAU—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.0	0.0	0.0	1.5	0.5	0.5	3.0	2.0	2.5	7.5	5.5	6.0
2	0.5	0.0	0.0	1.5	0.5	0.5	2.5	1.5	2.0	7.0	5.0	6.0
3	0.0	0.0	0.0	1.0	0.5	0.5	3.0	1.5	2.5	7.5	5.0	6.5
4	0.0	0.0	0.0	1.0	0.5	0.5	3.5	2.0	2.5	7.5	5.0	6.0
5	0.0	0.0	0.0	1.0	0.5	1.0	4.5	2.0	3.0	7.0	4.0	6.0
6	0.0	0.0	0.0	1.0	0.5	0.5	4.0	2.0	3.0	8.0	5.0	6.5
7	0.0	0.0	0.0	1.0	0.5	0.5	4.0	2.5	3.0	8.0	6.0	7.0
8	0.0	0.0	0.0	1.0	0.0	0.5	5.0	2.5	3.5	8.0	6.0	7.0
9	0.5	0.0	0.0	1.0	0.5	0.5	4.0	3.0	3.0	7.5	6.0	6.5
10	0.0	0.0	0.0	0.5	0.5	0.5	5.0	3.0	3.5	8.0	5.5	6.5
11	0.5	0.0	0.5	1.5	0.5	1.0	5.0	3.0	4.0	8.5	5.5	7.0
12	0.5	0.0	0.5	1.0	0.5	1.0	4.0	3.0	3.5	9.0	6.0	7.5
13	0.5	0.0	0.5	1.5	0.5	1.0	4.5	2.5	3.5	9.5	6.5	8.0
14	0.5	0.0	0.5	1.5	0.5	1.0	4.5	2.5	3.5	9.0	6.5	8.0
15	0.5	0.0	0.5	1.5	1.0	1.5	4.0	2.0	3.0	9.0	6.5	7.5
16	0.5	0.0	0.5	2.0	1.0	1.5	4.5	2.5	3.5	8.5	6.5	7.5
17	0.5	0.0	0.5	2.5	1.5	1.5	4.5	3.5	4.0	8.5	7.0	8.0
18	0.5	0.5	0.5	2.5	1.0	1.5	5.5	3.5	4.5	9.5	7.0	8.0
19	0.5	0.5	0.5	3.0	1.0	1.5	6.0	3.5	4.5	10.0	7.0	8.5
20	1.0	0.5	0.5	2.5	0.5	1.0	6.0	3.5	4.5	9.5	7.5	8.5
21	1.0	0.5	0.5	2.0	0.0	1.0	6.5	4.0	5.0	9.0	7.0	8.0
22	0.5	0.5	0.5	2.0	0.5	1.5	5.0	3.5	4.0	9.0	6.0	7.5
23	0.5	0.5	0.5	3.0	0.5	2.0	4.5	3.0	3.5	9.5	7.0	8.0
24	1.0	0.5	0.5	4.0	1.5	2.5	5.0	4.0	4.5	9.0	8.0	8.0
25	1.0	0.5	0.5	3.5	2.5	3.0	4.5	4.0	4.5	8.0	7.0	7.5
26	1.0	0.0	0.5	4.0	2.5	3.0	5.0	3.5	4.5	8.5	6.5	7.5
27	1.5	0.0	0.5	3.5	2.5	2.5	5.5	4.0	5.0	9.0	6.5	8.0
28	1.5	0.0	0.5	2.5	1.0	2.0	6.5	4.5	5.5	9.5	7.0	8.0
29	1.5	0.5	0.5	2.5	1.0	1.5	7.0	4.0	5.5	9.5	7.5	8.5
30	---	---	---	2.5	1.0	1.5	8.0	5.0	6.5	8.5	6.0	7.0
31	---	---	---	3.0	1.0	2.0	---	---	---	9.5	7.0	8.0
MONTH	1.5	0.0	0.3	4.0	0.0	1.3	8.0	1.5	3.9	10.0	4.0	7.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	7.0	8.5	10.0	8.5	9.0	9.0	7.5	8.5	9.0	6.5	7.5
2	9.5	8.0	8.5	10.0	8.0	9.0	9.0	8.0	8.5	8.5	7.0	7.5
3	10.5	7.5	9.0	9.5	8.0	9.0	9.0	8.0	8.5	7.5	7.0	7.0
4	10.5	8.5	9.5	10.0	8.0	9.0	10.5	8.0	9.0	7.5	6.5	7.0
5	10.0	8.5	9.0	11.0	8.5	9.5	10.5	8.5	9.5	7.5	6.0	6.0
6	10.5	7.5	9.0	11.0	9.0	10.0	10.0	8.0	8.5	6.5	6.0	6.0
7	11.0	8.0	9.5	10.5	8.0	9.0	9.0	7.0	8.0	7.5	5.5	6.5
8	10.0	8.5	9.0	10.5	7.5	9.0	10.5	7.0	8.5	7.0	5.5	6.5
9	9.0	8.0	8.5	11.0	8.5	9.5	10.5	8.0	9.5	7.0	5.0	6.0
10	10.0	7.5	8.5	10.0	9.0	9.5	10.5	8.5	9.5	6.5	5.0	5.5
11	10.0	8.0	9.0	9.5	8.5	9.0	10.5	9.0	9.5	6.5	5.5	6.0
12	10.5	8.0	9.5	10.0	8.0	9.0	10.0	8.0	9.0	7.0	6.0	6.5
13	10.0	8.5	9.0	9.5	7.5	8.5	10.5	7.5	9.0	7.0	6.0	6.5
14	9.0	8.0	8.5	9.5	6.5	8.0	11.0	8.5	9.5	7.0	6.0	6.5
15	10.0	8.0	8.5	11.5	8.0	9.5	10.5	8.5	9.5	7.0	6.0	6.5
16	11.0	8.0	9.5	12.5	9.0	10.5	10.0	8.0	9.0	7.0	5.5	6.5
17	12.0	9.0	10.5	12.0	10.0	11.0	10.0	8.0	9.0	7.0	5.5	6.5
18	12.5	9.5	11.0	11.5	9.5	10.5	9.5	7.5	8.5	7.0	5.5	6.0
19	11.5	9.5	10.5	12.0	9.5	10.5	9.5	8.5	9.0	7.0	5.5	6.0
20	11.5	8.5	10.0	11.5	9.5	10.5	10.0	8.0	9.0	7.0	6.0	6.5
21	11.5	8.5	10.0	12.0	10.0	11.0	9.5	8.0	9.0	6.5	6.0	6.5
22	12.0	9.0	10.5	11.5	9.5	10.5	10.0	8.0	9.0	6.5	5.5	6.0
23	11.5	8.5	10.0	10.5	8.0	9.5	9.5	7.5	8.0	5.5	5.0	5.5
24	10.5	7.5	9.0	10.0	8.5	9.0	9.0	7.0	8.0	6.0	5.5	5.5
25	10.0	7.0	8.0	10.5	9.0	9.5	8.5	7.0	7.5	6.0	5.0	5.5
26	10.5	8.0	9.5	10.5	9.0	9.5	8.0	7.0	7.5	6.0	5.0	5.5
27	11.0	8.5	9.5	10.0	9.0	9.5	8.5	7.5	7.5	6.0	5.5	5.5
28	11.5	9.0	10.0	9.5	9.0	9.5	8.0	7.0	7.5	6.0	5.0	5.5
29	11.5	8.5	10.0	9.5	8.5	9.0	8.5	7.0	7.5	6.5	5.5	6.0
30	11.5	9.0	10.0	9.0	7.5	8.5	8.5	6.5	7.5	6.5	6.0	6.5
31	---	---	---	9.0	7.5	8.5	9.0	7.0	8.0	---	---	---
MONTH	12.5	7.0	9.4	12.5	6.5	9.5	11.0	6.5	8.6	9.0	5.0	6.2