

SOUTHEAST ALASKA

15087500 EAST FORK HOBO CREEK NEAR PETERSBURG

LOCATION.--Lat 56°47'38", long 132°52'23", in NW¹/₄ NE¹/₄ NE¹/₄ sec. 06, T. 59 S., R. 80 E. (Petersburg D-3 quad.) Hydrologic Unit 19010202, on left bank 50 ft upstream from the culvert on Fredrick Point Road, 4.5 mi east of Petersburg, 1000 ft upstream from the mouth.

DRAINAGE AREA.--0.45 square miles

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2003 to September 2004.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 2003 to September 2004.

INSTRUMENTATION.-- Electronic water-temperature recorder since November 2004. Recording interval changed to 15-minutes.

REMARKS.--Water-discharge records are computed daily. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on February 10, 2004. No variation was found within the cross section, or between mean stream temperature and sensor temperature.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.0°C, August 17-18, 2004 ; 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)
FEB							
10...	1646	10.1	1.6	10.36	5.0	1.0	3.0
10...	1647	10.1	2.5	10.36	5.0	1.0	3.0
10...	1648	10.1	3.5	10.36	5.0	1.0	3.0
10...	1649	10.1	4.5	10.36	5.0	1.0	3.0
10...	1650	10.1	6.5	10.36	5.0	1.0	3.0
10...	1651	10.1	7.5	10.36	5.0	1.0	3.0
10...	1652	10.1	8.5	10.36	5.0	1.0	3.0
10...	1653	10.1	9.5	10.36	5.0	1.0	3.0

TEMPERATURE, WATER (DEGREES C), 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	---	---	---	---	---	---	1.5	0.5	1.0	0.5	0.0	0.5
2	---	---	---	---	---	---	1.5	1.0	1.0	0.5	0.5	0.5
3	---	---	---	2.0	1.5	2.0	1.5	1.0	1.0	0.5	0.5	0.5
4	---	---	---	1.5	1.0	1.0	1.5	1.0	1.0	1.0	0.5	0.5
5	---	---	---	1.0	0.5	0.5	1.5	1.5	1.5	1.0	0.5	1.0
6	---	---	---	0.5	0.0	0.0	1.5	1.5	1.5	1.0	0.5	1.0
7	---	---	---	0.5	0.0	0.0	1.5	1.0	1.0	1.0	0.5	0.5
8	---	---	---	1.5	0.5	1.0	1.0	0.0	0.5	0.5	0.0	0.0
9	---	---	---	2.0	1.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0
10	---	---	---	2.5	2.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
11	---	---	---	2.5	2.0	2.5	0.5	0.0	0.5	0.0	0.0	0.0
12	---	---	---	3.5	2.5	3.0	1.0	0.0	0.5	0.0	0.0	0.0
13	---	---	---	3.5	3.0	3.0	1.0	0.5	0.5	1.0	0.0	0.5
14	---	---	---	3.0	3.0	3.0	0.5	0.0	0.0	1.0	0.5	1.0
15	---	---	---	3.5	3.0	3.5	1.0	0.0	0.5	1.0	1.0	1.0
16	---	---	---	3.5	3.0	3.5	1.5	1.0	1.0	1.0	0.5	1.0
17	---	---	---	3.5	1.5	3.0	1.5	1.0	1.5	1.5	1.0	1.0
18	---	---	---	2.0	1.5	2.0	1.5	1.0	1.5	2.0	1.5	1.5
19	---	---	---	1.5	1.5	1.5	1.5	1.0	1.5	2.0	1.5	1.5
20	---	---	---	1.5	0.0	0.5	1.5	1.5	1.5	2.0	1.5	2.0
21	---	---	---	0.0	0.0	0.0	2.0	1.5	1.5	2.5	2.0	2.0
22	---	---	---	0.5	0.0	0.0	2.0	1.5	1.5	2.5	2.0	2.5
23	---	---	---	1.5	0.5	1.0	2.0	2.0	2.0	2.5	2.0	2.0
24	---	---	---	1.5	0.5	1.0	2.0	2.0	2.0	2.0	0.5	1.0
25	---	---	---	1.5	1.5	1.5	2.0	1.5	2.0	1.0	0.5	1.0
26	---	---	---	1.5	1.5	1.5	1.5	1.0	1.5	1.0	1.0	1.0
27	---	---	---	1.5	1.5	1.5	1.5	0.5	1.0	1.0	1.0	1.0
28	---	---	---	1.5	0.0	1.0	0.5	0.0	0.0	1.0	1.0	1.0
29	---	---	---	1.0	0.5	1.0	0.5	0.0	0.5	1.0	1.0	1.0
30	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0	1.0	1.0	1.0
31	---	---	---	---	---	---	0.5	0.0	0.5	1.0	1.0	1.0
MONTH	---	---	---	---	---	---	2.0	0.0	1.0	2.5	0.0	0.9

SOUTHEAST ALASKA

15087500 EAST FORK HOBO CREEK NEAR PETERSBURG—Continued

TEMPERATURE, WATER (DEGREES C), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.0	1.0	1.0	1.0	0.5	1.0	2.0	1.5	2.0	5.5	5.0	5.5
2	1.0	1.0	1.0	1.0	0.5	1.0	2.5	2.0	2.5	5.0	4.5	5.0
3	1.0	1.0	1.0	1.0	0.5	1.0	2.5	2.5	2.5	5.0	4.5	5.0
4	1.0	0.5	1.0	1.5	1.0	1.0	2.5	2.5	2.5	5.5	4.5	5.0
5	0.5	0.5	0.5	1.0	1.0	1.0	3.0	2.5	2.5	5.5	4.5	5.0
6	0.5	0.5	0.5	1.0	1.0	1.0	3.5	2.5	3.0	6.0	4.5	5.5
7	1.0	0.5	0.5	1.0	1.0	1.0	3.5	3.0	3.5	6.0	5.0	5.5
8	0.5	0.5	0.5	1.0	1.0	1.0	3.0	3.0	3.0	6.0	5.0	5.5
9	0.5	0.5	0.5	1.5	1.0	1.0	3.5	3.0	3.5	5.5	5.0	5.5
10	1.0	0.5	1.0	1.0	0.5	1.0	3.5	3.0	3.5	6.0	5.0	5.5
11	1.0	1.0	1.0	1.5	1.0	1.0	3.5	3.0	3.5	6.0	5.0	5.5
12	1.0	1.0	1.0	1.5	1.0	1.5	3.5	3.0	3.5	6.5	5.5	6.0
13	1.5	1.0	1.5	1.5	1.0	1.5	3.5	3.0	3.5	7.0	5.5	6.5
14	1.5	1.0	1.0	1.5	1.0	1.0	3.5	3.0	3.5	7.0	6.0	6.5
15	1.0	0.5	1.0	1.0	1.0	1.0	3.5	3.0	3.0	6.5	5.5	6.0
16	1.5	1.0	1.5	1.0	1.0	1.0	4.0	2.5	3.0	7.0	6.0	6.5
17	2.0	1.5	1.5	1.5	1.0	1.0	4.0	3.5	4.0	7.0	6.0	6.5
18	2.0	1.5	1.5	1.5	1.0	1.0	4.0	3.5	3.5	7.0	6.0	6.5
19	1.5	1.0	1.5	1.0	0.5	0.5	4.0	3.0	3.5	7.0	6.0	6.5
20	1.5	1.0	1.5	1.5	1.0	1.0	4.0	3.0	3.5	7.5	6.5	7.0
21	2.0	1.5	2.0	1.5	1.0	1.5	4.5	3.5	4.0	8.0	7.0	7.5
22	2.0	2.0	2.0	2.0	1.5	1.5	5.0	4.0	4.5	8.0	6.5	7.5
23	2.5	2.0	2.0	2.0	1.5	1.5	4.5	3.5	4.0	8.5	7.0	7.5
24	2.0	1.5	1.5	2.0	1.5	2.0	4.0	4.0	4.0	8.0	7.5	8.0
25	2.0	1.5	1.5	2.5	2.0	2.0	4.0	4.0	4.0	7.5	7.0	7.5
26	1.5	1.0	1.5	2.5	2.0	2.0	4.0	3.5	4.0	7.5	7.0	7.5
27	1.0	1.0	1.0	2.5	2.0	2.0	4.0	3.5	4.0	8.0	7.0	7.5
28	1.5	0.5	1.0	2.5	2.0	2.0	5.0	4.0	4.0	8.0	7.0	7.5
29	1.5	1.0	1.0	2.5	2.0	2.0	4.5	3.5	4.0	8.0	7.0	7.5
30	---	---	---	2.5	1.5	2.0	5.5	4.0	5.0	8.0	7.0	7.5
31	---	---	---	2.0	1.5	1.5	---	---	---	7.5	7.5	7.5
MONTH	2.5	0.5	1.2	2.5	0.5	1.3	5.5	1.5	3.5	8.5	4.5	6.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.5	7.0	7.5	12.5	11.5	12.0	12.0	11.0	11.5	11.0	10.0	10.5
2	8.0	7.0	7.5	12.0	11.5	11.5	12.0	11.5	11.5	11.0	10.0	10.5
3	8.0	7.0	7.5	12.0	11.0	11.5	12.0	11.5	11.5	11.5	11.0	11.5
4	8.5	7.5	8.0	12.0	11.0	11.5	12.0	11.0	11.5	11.5	11.0	11.0
5	9.5	8.5	8.5	12.0	11.0	11.5	12.0	11.5	11.5	11.0	10.5	11.0
6	9.0	8.5	8.5	11.0	10.5	10.5	12.0	11.5	11.5	11.0	10.5	11.0
7	10.5	8.5	9.5	10.5	10.0	10.5	12.0	11.0	11.5	11.0	10.0	10.5
8	10.5	9.5	10.0	11.5	10.0	10.5	12.0	11.0	11.5	10.0	9.0	9.5
9	9.5	9.0	9.5	11.5	10.5	11.0	12.5	11.0	12.0	10.0	9.0	9.5
10	9.5	8.0	9.0	11.5	11.0	11.0	13.5	11.5	12.5	9.5	8.5	9.0
11	9.5	8.5	9.0	11.5	11.0	11.5	13.0	12.5	13.0	9.5	9.0	9.5
12	9.5	8.5	9.0	12.0	11.0	11.5	12.5	11.5	12.0	10.0	9.5	9.5
13	9.5	9.0	9.0	12.5	11.0	12.0	12.5	11.5	12.0	10.0	9.5	10.0
14	9.0	8.5	9.0	13.0	11.5	12.0	12.5	11.0	12.0	10.0	9.5	9.5
15	9.0	8.5	9.0	13.0	11.5	12.5	13.5	12.0	12.5	9.5	9.0	9.0
16	10.0	8.5	9.0	13.0	12.0	12.5	13.5	12.5	13.0	9.0	8.5	8.5
17	10.5	8.5	9.5	12.5	12.0	12.0	14.0	13.0	13.5	8.5	8.0	8.5
18	11.5	9.5	10.5	12.5	11.5	12.0	14.0	13.0	13.5	8.5	8.0	8.5
19	12.5	10.5	11.5	12.5	11.5	12.0	13.5	12.5	13.0	8.0	7.5	8.0
20	13.0	11.0	12.0	12.5	12.0	12.0	13.0	12.5	13.0	9.0	8.0	8.5
21	13.0	11.0	12.0	12.5	12.0	12.0	13.0	12.0	12.5	9.5	9.0	9.0
22	13.0	11.5	12.5	12.5	11.5	12.0	12.5	11.5	12.0	9.5	9.0	9.0
23	13.5	11.5	12.5	12.5	11.0	12.0	12.0	10.5	11.0	9.5	9.0	9.0
24	13.5	12.0	12.5	13.0	11.5	12.5	11.0	10.0	10.5	9.5	9.0	9.5
25	13.5	11.5	12.5	12.5	12.0	12.5	11.0	9.5	10.5	9.0	8.5	9.0
26	13.0	12.5	13.0	12.0	11.5	12.0	12.0	10.0	11.0	9.0	8.5	8.5
27	12.5	12.0	12.5	13.0	11.5	12.0	12.5	11.5	12.0	9.0	9.0	9.0
28	12.0	11.5	12.0	13.0	12.5	12.5	12.5	12.0	12.0	9.0	8.0	8.5
29	12.0	11.5	11.5	12.5	12.0	12.5	12.0	11.5	12.0	8.5	8.0	8.5
30	12.0	11.0	11.5	12.5	12.0	12.0	12.0	11.0	11.5	9.0	8.5	8.5
31	---	---	---	12.5	11.5	12.0	11.5	10.5	11.0	---	---	---
MONTH	13.5	7.0	10.2	13.0	10.0	11.8	14.0	9.5	11.9	11.5	7.5	9.4