

SOUTHEAST ALASKA

15087080 UPPER EARL WEST CREEK NEAR WRANGELL

LOCATION.--Lat 56°17'09", long 132°07'51", in SW¹/₄ SE¹/₄ SE¹/₄ sec. 27, T. 64 S., R. 86 E. (Petersburg B-1 quad.)
 Hydrologic Unit 19010202, on right bank 150 ft upstream from the bridge on USFS road #6270, 5.0 mi upstream from the mouth, 26.6 mi south of Wrangell.

DRAINAGE AREA.--3.3 mi²

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 2003 to September 2004.

INSTRUMENTATION.-- Electronic water-temperature recorder since October 2003, set for 15-minute recording interval.

REMARKS.--Probe installed on October 13. Water-discharge records are computed daily. Missing record October 13-30, January 27-February 11, 14, and May 18-June 29 due to recorder malfunction. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on October 13, and June 29. No variation was found within the cross sections. No variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 20.5°C, July 15; minimum, 0.0°C on many days during winter.

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

Date	Time	Medium code	Stream width, ft (000004)	Location in X-sect. looking downstrm ft from l bank (000009)	Gage height, feet (000065)	Instantaneous discharge, cfs (000061)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
OCT								
13...	1100	9	26.5	25.0	8.56	9.9	6.0	5.5
13...	1101	9	26.5	23.0	8.56	9.2	6.0	5.5
13...	1102	9	26.5	21.0	8.56	9.9	6.0	5.5
13...	1103	9	26.5	19.0	8.56	9.9	6.0	5.5
13...	1104	9	26.5	13.0	8.56	9.9	6.0	5.5
13...	1105	9	26.5	9.00	8.56	9.9	6.0	5.5
13...	1106	9	26.5	5.00	8.56	9.9	6.0	5.5
13...	1107	9	26.5	1.00	8.56	9.9	6.0	5.5
JUN								
29...	1447	9	--	1.00	8.10	.64	17.5	16.2
29...	1448	9	--	5.00	8.10	.64	17.5	16.2
29...	1449	9	--	9.00	8.10	.64	17.5	16.2
29...	1450	9	--	13.0	8.10	.64	17.5	16.2
29...	1451	9	--	17.0	8.10	.64	17.5	16.2

TEMPERATURE, WATER (DEGREES C), 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	---	---	---	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
2	---	---	---	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
3	---	---	---	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5	---	---	---	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
6	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	---	---	---	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
8	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	---	---	---	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
12	---	---	---	3.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
13	---	---	---	4.0	2.5	3.0	0.0	0.0	0.0	0.5	0.0	0.0
14	---	---	---	3.0	2.5	2.5	0.0	0.0	0.0	1.0	0.5	0.5
15	---	---	---	3.0	2.5	2.5	0.0	0.0	0.0	1.0	0.5	0.5
16	---	---	---	3.0	2.5	2.5	0.0	0.0	0.0	1.0	0.5	0.5
17	---	---	---	3.0	1.0	2.0	0.5	0.0	0.5	1.0	0.5	1.0
18	---	---	---	1.0	0.5	0.5	1.0	0.0	0.5	1.0	0.5	1.0
19	---	---	---	0.5	0.0	0.0	1.0	0.0	0.5	1.5	1.0	1.0
20	---	---	---	0.0	0.0	0.0	1.0	1.0	1.0	1.5	1.0	1.0
21	---	---	---	0.0	0.0	0.0	1.5	0.5	1.0	1.5	1.0	1.5
22	---	---	---	0.0	0.0	0.0	1.0	0.5	0.5	1.5	1.0	1.5
23	---	---	---	0.0	0.0	0.0	1.0	1.0	1.0	1.5	0.5	1.0
24	---	---	---	0.0	0.0	0.0	1.5	1.0	1.5	1.0	0.0	0.5
25	---	---	---	0.0	0.0	0.0	1.5	0.5	1.0	0.0	0.0	0.0
26	---	---	---	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
27	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
28	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
29	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
30	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
31	2.0	1.0	1.5	---	---	---	0.0	0.0	0.0	---	---	---
MONTH	---	---	---	4.0	0.0	0.6	1.5	0.0	0.2	---	---	---

SOUTHEAST ALASKA

15087080 UPPER EARL WEST CREEK NEAR WRANGELL—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	---	---	---	1.5	0.0	0.5	2.5	1.0	2.0	0.5	0.5	0.5
2	---	---	---	1.0	0.0	0.5	2.5	1.0	1.5	0.5	0.5	0.5
3	---	---	---	0.5	0.0	0.5	2.0	1.0	1.5	0.5	0.5	0.5
4	---	---	---	1.0	0.0	0.5	2.5	1.0	1.5	0.5	0.5	0.5
5	---	---	---	0.0	0.0	0.0	3.0	1.0	2.0	0.5	0.0	0.5
6	---	---	---	0.5	0.0	0.0	4.0	1.0	2.5	0.5	0.0	0.5
7	---	---	---	0.0	0.0	0.0	3.0	1.5	2.0	0.5	0.5	0.5
8	---	---	---	0.5	0.0	0.0	4.0	1.5	2.0	0.5	0.5	0.5
9	---	---	---	1.0	0.0	0.5	2.5	1.5	2.0	0.5	0.5	0.5
10	---	---	---	0.5	0.0	0.5	2.5	1.5	2.0	1.0	0.5	0.5
11	---	0.0	---	1.0	0.5	0.5	3.5	1.5	2.0	1.0	0.5	0.5
12	0.0	0.0	0.0	1.5	0.0	1.0	2.5	1.5	2.0	1.0	0.5	0.5
13	0.0	0.0	0.0	1.0	0.5	0.5	4.0	1.5	2.5	1.0	0.5	0.5
14	0.5	0.0	0.0	1.5	0.5	1.0	5.0	1.5	2.5	1.0	0.5	0.5
15	0.5	0.0	0.0	1.0	0.0	0.5	4.0	1.0	2.5	0.5	0.5	0.5
16	1.0	0.0	0.5	1.0	0.0	0.5	4.5	1.0	3.0	0.5	0.5	0.5
17	1.0	0.5	0.5	1.5	0.0	0.5	4.0	2.0	3.0	0.5	0.5	0.5
18	1.0	0.5	0.5	1.0	0.5	0.5	3.5	2.0	3.0	---	0.5	---
19	1.0	0.5	0.5	1.5	0.0	0.5	4.5	1.5	3.0	---	---	---
20	1.0	0.5	1.0	2.5	0.5	1.0	5.5	1.5	3.0	---	---	---
21	1.5	0.5	1.0	2.5	0.5	1.5	5.0	1.5	3.0	---	---	---
22	1.5	0.5	1.0	3.0	1.0	2.0	3.0	2.0	2.5	---	---	---
23	2.0	1.0	1.5	3.0	0.0	1.5	3.5	1.5	2.5	---	---	---
24	1.5	0.5	1.0	3.0	1.0	2.0	2.5	2.0	2.5	---	---	---
25	1.0	0.0	0.5	2.5	1.0	1.5	2.5	2.0	2.0	---	---	---
26	1.5	0.0	0.5	2.5	0.5	1.5	3.0	0.0	2.0	---	---	---
27	1.0	0.0	0.5	2.0	1.0	1.5	0.5	0.0	0.5	---	---	---
28	1.0	0.0	0.5	1.0	0.5	1.0	0.5	0.0	0.5	---	---	---
29	1.5	0.0	0.5	1.5	1.0	1.0	0.5	0.0	0.5	---	---	---
30	---	---	---	1.5	0.5	1.0	0.5	0.0	0.5	---	---	---
31	---	---	---	2.0	0.0	1.0	---	---	---	---	---	---
MONTH	---	---	---	3.0	0.0	0.8	5.5	0.0	2.1	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	17.5	15.5	16.5	16.0	13.5	15.0	15.0	11.0	13.0
2	---	---	---	17.0	16.0	16.5	15.0	12.5	13.5	14.0	12.0	12.5
3	---	---	---	18.0	15.0	16.5	14.0	12.5	13.5	12.5	11.5	12.0
4	---	---	---	18.0	15.5	16.5	16.5	12.5	14.5	12.0	11.0	11.5
5	---	---	---	17.0	15.5	16.0	15.0	13.0	13.5	12.0	10.0	11.0
6	---	---	---	15.5	11.0	11.5	13.5	12.5	13.0	12.0	11.5	11.5
7	---	---	---	12.0	11.0	11.5	14.5	12.0	13.0	11.5	10.5	11.0
8	---	---	---	13.5	11.0	12.0	15.0	12.0	13.5	12.0	9.5	10.5
9	---	---	---	16.5	13.0	14.0	17.5	13.0	15.0	12.0	9.5	10.5
10	---	---	---	15.0	14.0	14.5	18.0	14.5	16.0	11.5	8.5	10.0
11	---	---	---	14.0	13.0	13.5	17.5	15.0	16.0	11.0	9.5	10.0
12	---	---	---	15.5	12.0	13.5	17.5	14.0	16.0	10.5	9.5	10.0
13	---	---	---	18.5	13.0	15.5	18.5	14.0	16.0	10.5	9.5	10.0
14	---	---	---	18.5	14.5	16.5	19.0	14.5	17.0	10.0	9.0	9.5
15	---	---	---	20.5	14.5	17.5	20.0	16.0	18.0	9.5	8.5	9.0
16	---	---	---	19.0	16.5	17.5	19.0	17.0	18.0	10.0	8.0	8.5
17	---	---	---	17.5	15.5	16.5	18.5	16.5	17.5	9.5	7.0	8.0
18	---	---	---	17.0	14.0	15.5	19.5	16.5	18.0	11.0	8.5	9.5
19	---	---	---	16.0	14.5	15.0	18.5	16.5	17.5	9.5	7.5	8.5
20	---	---	---	17.0	14.5	15.5	17.5	15.0	16.0	9.0	7.5	8.0
21	---	---	---	15.0	13.5	14.5	17.5	14.0	15.5	9.5	9.0	9.0
22	---	---	---	18.0	13.5	15.5	17.5	14.5	15.5	9.0	8.5	9.0
23	---	---	---	19.5	14.5	17.0	16.0	13.0	14.5	9.5	8.5	9.0
24	---	---	---	17.5	15.5	16.5	15.5	12.5	14.0	9.5	9.0	9.5
25	---	---	---	17.0	15.5	16.0	16.0	12.0	14.0	9.0	8.0	8.5
26	---	---	---	16.5	14.5	15.5	14.5	12.5	13.5	8.5	7.5	8.0
27	---	---	---	19.0	14.5	16.5	14.0	12.0	13.0	9.5	8.5	9.0
28	---	---	---	18.0	13.5	15.0	13.5	12.0	13.0	8.5	6.5	7.5
29	---	---	---	15.0	13.0	14.0	14.0	12.5	13.5	8.5	7.0	8.0
30	17.0	16.0	16.5	15.0	13.5	14.5	15.0	12.5	13.5	9.5	7.5	8.5
31	---	---	---	17.0	13.0	15.0	14.5	11.5	13.0	---	---	---
MONTH	---	---	---	20.5	11.0	15.2	20.0	11.5	15.0	15.0	6.5	9.7