

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 47 ft above sea level, by barometer.

REMARKS.--Records fair, except for discharges above 71 ft³/s, and estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR WATER YEAR 2004.--Maximum discharge for period October 15, 2003 through September 2004, 119 ft³/s, September 21, gage height 12.89 ft, minimum discharge, 0.17 ft³/s, June 25-26, August 25-26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.44	21	e0.33	0.22	0.43	1.7	4.3	3.3	0.34	0.36	0.33
2	---	0.38	11	e0.31	0.21	0.41	11	4.2	2.8	0.32	0.56	0.39
3	---	0.34	1.8	e0.29	0.24	0.46	6.8	4.0	1.6	0.29	1.4	1.2
4	---	0.30	0.90	e0.28	0.27	1.0	4.7	2.9	1.1	0.23	0.65	3.1
5	---	0.27	2.1	e0.26	7.0	2.2	2.0	1.5	1.9	1.8	0.60	1.4
6	---	0.25	1.2	e0.25	5.7	3.9	1.3	1.1	1.1	7.8	3.0	2.4
7	---	0.24	0.72	e0.50	6.7	14	3.8	1.3	0.97	1.2	1.1	2.9
8	---	0.23	0.51	e1.0	13	16	2.8	1.4	0.78	0.56	0.51	0.83
9	---	1.9	e0.45	e1.8	14	3.1	2.0	1.5	0.59	0.40	0.37	0.47
10	---	0.94	0.41	e3.6	6.3	7.3	3.4	1.7	0.48	0.33	0.30	0.36
11	---	3.4	0.40	e6.0	2.4	6.3	4.8	1.4	0.44	0.35	0.33	0.32
12	---	48	1.1	e10	2.2	1.6	3.7	1.6	0.64	0.30	0.28	0.41
13	---	31	0.65	e15	2.3	1.0	2.5	2.0	1.3	0.26	0.24	12
14	---	2.5	0.43	27	1.7	1.7	1.8	2.0	2.0	0.23	0.22	2.8
15	e1.3	3.9	8.6	5.9	0.82	4.3	1.1	1.4	0.71	0.21	0.20	2.0
16	e1.1	1.9	9.6	6.0	0.68	6.7	0.71	1.6	0.50	0.20	0.19	1.2
17	1.7	1.1	11	15	0.72	1.6	0.62	2.0	0.43	0.22	0.18	0.78
18	2.2	0.90	26	14	4.5	0.85	0.93	2.4	0.37	0.21	0.18	0.60
19	2.6	0.54	23	4.0	7.6	0.63	0.75	2.3	0.33	0.20	0.19	0.51
20	1.9	0.41	7.6	12	15	0.55	0.61	2.6	0.29	0.38	0.40	22
21	4.5	0.35	12	11	5.8	0.52	0.61	2.4	0.25	0.51	0.28	29
22	6.6	0.38	27	9.1	2.2	1.1	3.0	1.3	0.22	0.36	0.23	12
23	8.6	0.63	11	2.8	1.6	0.87	3.5	1.3	0.20	0.27	0.20	36
24	7.4	1.4	4.8	1.0	1.3	1.1	14	3.3	0.18	0.23	0.18	17
25	35	1.3	4.8	e0.45	0.83	2.2	15	3.1	0.17	0.36	0.17	3.3
26	26	0.75	1.4	e0.34	0.66	2.0	9.3	2.1	0.17	0.40	0.22	3.0
27	2.5	0.63	0.75	e0.30	0.56	3.0	2.8	1.4	0.21	0.31	4.0	14
28	4.7	0.44	0.59	e0.28	0.50	9.4	1.5	1.4	0.25	4.1	1.9	2.1
29	1.3	0.38	0.45	e0.26	0.46	12	1.2	1.9	0.22	1.1	0.87	1.1
30	0.74	6.1	0.40	e0.24	---	7.7	2.6	3.2	0.21	0.55	0.54	0.84
31	0.54	---	e0.36	e0.23	---	2.2	---	4.6	---	0.39	0.40	---
TOTAL	---	111.30	192.02	149.52	105.47	116.12	110.53	69.2	23.71	24.41	20.25	174.34
MEAN	---	3.71	6.19	4.82	3.64	3.75	3.68	2.23	0.79	0.79	0.65	5.81
MAX	---	48	27	27	15	16	15	4.6	3.3	7.8	4.0	36
MIN	---	0.23	0.36	0.23	0.21	0.41	0.61	1.1	0.17	0.20	0.17	0.32
AC-FT	---	221	381	297	209	230	219	137	47	48	40	346
CFSM	---	8.24	13.8	10.7	8.08	8.32	8.19	4.96	1.76	1.75	1.45	12.9
IN.	---	9.20	15.87	12.36	8.72	9.60	9.14	5.72	1.96	2.02	1.67	14.41

e Estimated

SOUTHEAST ALASKA

15087500 EAST FORK HOBO CREEK NEAR PETERSBURG—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	20	9.2	e0.45	15	6.0	1.8	0.80	0.33	4.1	0.71	6.5
2	0.59	5.9	34	e0.40	5.0	8.6	1.5	1.0	0.29	2.0	0.55	2.6
3	0.53	37	6.8	e0.36	2.4	9.1	3.3	1.2	0.27	8.7	9.0	1.0
4	4.2	5.2	1.8	e0.32	e2.0	11	4.1	1.1	0.26	3.4	4.4	0.73
5	18	2.1	0.94	e0.30	e1.7	3.4	1.6	1.1	0.25	3.9	6.4	0.61
6	12	1.2	0.62	e0.29	e1.4	5.3	2.5	0.96	0.23	3.6	6.2	12
7	7.7	0.92	e0.40	e0.27	e1.1	5.9	1.0	1.0	0.22	10	1.5	13
8	3.2	0.76	e0.33	e0.25	e0.90	12	0.84	0.96	0.22	1.9	0.78	2.3
9	3.6	0.67	e0.20	e0.23	e0.80	5.8	3.9	1.1	0.21	1.7	0.58	0.97
10	8.3	0.60	e0.50	e0.22	e0.70	13	3.7	1.1	0.22	7.4	0.47	0.69
11	2.5	0.55	3.1	e0.20	e0.60	6.6	3.0	1.3	0.26	1.5	0.39	0.57
12	17	0.68	2.8	e0.19	e0.55	2.3	1.4	1.3	0.34	0.74	0.35	0.57
13	9.1	5.9	6.6	e0.18	e0.50	1.4	0.82	1.7	0.28	0.78	0.31	2.1
14	1.8	8.3	8.5	e0.17	e0.48	0.94	0.69	2.7	0.92	2.1	0.28	0.85
15	1.8	6.5	9.1	e0.16	e0.49	0.77	1.5	1.1	0.74	4.3	0.27	0.64
16	1.2	4.9	17	e0.60	0.52	0.62	1.7	1.0	0.44	1.1	0.26	0.53
17	0.87	3.6	10	e17	1.00	0.51	1.3	0.75	0.33	1.5	0.25	7.1
18	0.68	1.6	30	e15	0.80	0.43	1.4	0.57	0.28	1.8	1.8	28
19	0.56	2.6	15	13	0.59	0.36	15	0.73	0.27	1.3	11	9.8
20	0.51	29	2.2	4.8	0.50	0.33	5.6	0.62	0.39	1.2	3.5	3.8
21	2.5	6.0	1.2	4.2	e0.45	0.30	4.2	0.66	0.37	3.9	3.7	2.0
22	4.1	1.6	2.2	15	0.47	0.31	2.1	0.51	0.45	1.3	6.8	1.1
23	1.5	5.5	15	8.2	5.6	0.30	1.7	0.48	0.59	0.97	1.8	2.6
24	4.6	8.0	14	5.6	2.5	0.29	2.4	0.59	0.83	0.90	0.83	5.1
25	1.9	9.4	2.1	3.8	2.0	0.28	2.5	0.45	0.48	0.73	6.8	3.1
26	0.98	5.4	0.90	13	4.1	0.32	2.2	0.39	0.37	0.78	4.9	1.5
27	2.5	2.2	0.65	9.3	4.1	1.9	2.4	0.35	0.31	11	2.9	4.4
28	12	2.6	2.4	12	6.8	1.4	1.8	0.32	0.47	3.2	1.2	17
29	20	3.4	1.1	10	---	0.79	1.2	0.33	1.2	1.3	1.0	15
30	4.0	4.8	0.58	15	---	1.7	0.82	0.49	0.97	1.0	2.5	8.7
31	2.5	---	e0.50	11	---	7.2	---	0.41	---	0.90	5.1	---
TOTAL	151.40	186.88	199.72	161.49	63.05	109.15	77.97	27.07	12.79	89.00	86.53	154.86
MEAN	4.88	6.23	6.44	5.21	2.25	3.52	2.60	0.87	0.43	2.87	2.79	5.16
MAX	20	37	34	17	15	13	15	2.7	1.2	11	11	28
MIN	0.51	0.55	0.20	0.16	0.45	0.28	0.69	0.32	0.21	0.73	0.25	0.53
AC-FT	300	371	396	320	125	216	155	54	25	177	172	307
CFSM	10.9	13.8	14.3	11.6	5.00	7.82	5.78	1.94	0.95	6.38	6.20	11.5
IN.	12.52	15.45	16.51	13.35	5.21	9.02	6.45	2.24	1.06	7.36	7.15	12.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)#

	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
MEAN	4.88	4.97	6.32	5.02	2.96	3.63	3.14	1.55	0.61	1.83	1.72	5.49
MAX	4.88	6.23	6.44	5.21	3.64	3.75	3.68	2.23	0.79	2.87	2.79	5.81
(WY)	2005	2005	2005	2005	2004	2004	2004	2004	2004	2005	2005	2004
MIN	4.88	3.71	6.19	4.82	2.25	3.52	2.60	0.87	0.43	0.79	0.65	5.16
(WY)	2005	2004	2004	2004	2005	2005	2005	2005	2005	2004	2004	2005

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 2004 - 2005#

ANNUAL TOTAL	1331.55	1319.91
ANNUAL MEAN	3.64	3.62
HIGHEST ANNUAL MEAN		3.62
LOWEST ANNUAL MEAN		3.62
HIGHEST DAILY MEAN	37 Nov 3	37 Nov 3
LOWEST DAILY MEAN	a0.17 Jun 25	0.16 Jan 15
ANNUAL SEVEN-DAY MINIMUM	0.20 Jun 21	0.19 Jan 9
MAXIMUM PEAK FLOW		97 Nov 3
MAXIMUM PEAK STAGE		12.68 Nov 3
INSTANTANEOUS LOW FLOW		b Jan 12
ANNUAL RUNOFF (AC-FT)	2640	2620
ANNUAL RUNOFF (CFSM)	8.08	8.04
ANNUAL RUNOFF (INCHES)	110.07	109.11
10 PERCENT EXCEEDS	10	10
50 PERCENT EXCEEDS	1.5	1.4
90 PERCENT EXCEEDS	0.25	0.32

See Period of Record; partial years used in monthly statistics

a June 25-26, Aug. 25-26

b Not determined, see lowest daily mean

e Estimated