

SOUTHEAST ALASKA

15087300 FALLS CREEK NEAR PETERSBURG

LOCATION.--Lat 56°40'56", long 132°55'20", in NW¹/₄ SE¹/₄ sec. 11, T. 60 S., R. 79 E. (Petersburg C-3 quad.) Hydrologic Unit 19010202, on left bank 200 ft upstream from the bridge on Mitkof Highway, 1000 ft upstream from the mouth, 10.7 mi south of Petersburg, 4.1 mi north of Blind Island Campground.

DRAINAGE AREA.--17.4 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 2004 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 500 ft³/s, and estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR CURRENT PERIOD.--May through September 2004: Maximum discharge during period, 2,570 ft³/s, September 21, gage height 22.79 ft; minimum discharge, 4.6 ft³/s, June 26-27, gage height, 17.68 ft.

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	---	---	---	---	---	---	---	67	57	11	15	16
2	---	---	---	---	---	---	---	63	53	15	26	12
3	---	---	---	---	---	---	---	67	48	13	35	29
4	---	---	---	---	---	---	---	60	28	9.2	30	151
5	---	---	---	---	---	---	---	46	27	8.3	26	138
6	---	---	---	---	---	---	---	31	25	257	140	50
7	---	---	---	---	---	---	---	29	22	94	92	65
8	---	---	---	---	---	---	---	26	17	42	37	44
9	---	---	---	---	---	---	---	26	13	25	22	25
10	---	---	---	---	---	---	---	26	10	18	16	17
11	---	---	---	---	---	---	---	25	8.8	24	15	14
12	---	---	---	---	---	---	---	23	10	27	14	13
13	---	---	---	---	---	---	---	23	18	17	11	214
14	---	---	---	---	---	---	---	23	80	13	8.6	148
15	---	---	---	---	---	---	---	20	38	9.9	7.4	79
16	---	---	---	---	---	---	---	17	22	8.3	6.6	48
17	---	---	---	---	---	---	---	16	15	9.8	6.1	30
18	---	---	---	---	---	---	---	16	11	9.2	6.1	22
19	---	---	---	---	---	---	---	15	8.9	7.8	5.4	16
20	---	---	---	---	---	---	---	15	7.4	8.1	13	339
21	---	---	---	---	---	---	---	15	6.6	10	14	1440
22	---	---	---	---	---	---	---	12	6.0	13	8.9	184
23	---	---	---	---	---	---	---	9.6	5.5	9.2	6.8	683
24	---	---	---	---	---	---	---	11	5.1	7.0	5.8	878
25	---	---	---	---	---	---	---	50	4.8	6.9	5.3	204
26	---	---	---	---	---	---	---	60	4.7	7.3	5.4	83
27	---	---	---	---	---	---	---	38	4.7	7.0	34	283
28	---	---	---	---	---	---	---	33	4.8	54	67	104
29	---	---	---	---	---	---	e49	33	4.9	64	61	59
30	---	---	---	---	---	---	57	27	5.1	30	30	43
31	---	---	---	---	---	---	---	78	---	21	25	---
TOTAL	---	---	---	---	---	---	---	1000.6	571.3	856.0	795.4	5431
MEAN	---	---	---	---	---	---	---	32.3	19.0	27.6	25.7	181
MAX	---	---	---	---	---	---	---	78	80	257	140	1440
MIN	---	---	---	---	---	---	---	9.6	4.7	6.9	5.3	12
AC-FT	---	---	---	---	---	---	---	1980	1130	1700	1580	10770
CFSM	---	---	---	---	---	---	---	1.85	1.09	1.58	1.47	10.4
IN.	---	---	---	---	---	---	---	2.13	1.22	1.83	1.70	11.58

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

	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	32.3	19.0	27.6	25.7	181
MAX	---	---	---	---	---	---	---	32.3	19.0	27.6	25.7	181
(WY)	---	---	---	---	---	---	---	2004	2004	2004	2004	2004
MIN	---	---	---	---	---	---	---	32.3	19.0	27.6	25.7	181
(WY)	---	---	---	---	---	---	---	2004	2004	2004	2004	2004

e Estimated

SOUTHEAST ALASKA

15087300 FALLS 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	34	560	197	e21	592	e180	150	15	5.8	26	55	168
2	28	270	1010	e18	260	e240	89	14	5.2	63	38	130
3	24	1040	301	e16	135	e320	121	15	4.8	131	64	72
4	42	362	101	e13	96	e400	117	16	4.7	175	147	51
5	900	124	62	e12	e55	e130	91	e18	4.7	74	176	38
6	510	71	42	e11	e45	e220	108	e17	4.6	91	310	185
7	298	51	e31	e10	e35	e250	79	e16	4.3	95	112	638
8	152	40	e27	e9.4	e42	e553	58	e14	4.2	63	55	163
9	120	33	e24	e8.8	142	312	84	e10	4.1	35	37	71
10	199	28	e21	e8.0	241	532	151	e9.5	4.2	240	27	48
11	119	24	e19	e7.5	109	390	148	e9.3	4.6	91	22	37
12	234	23	e40	e7.0	72	185	94	7.9	4.8	43	18	31
13	918	95	58	e6.6	e48	108	61	9.2	4.6	52	15	112
14	105	328	272	e6.2	e35	79	46	16	8.2	106	13	68
15	70	145	196	e6.0	e28	64	45	24	13	205	12	43
16	59	148	726	e6.0	28	56	61	15	9.3	70	10	32
17	43	110	279	e90	29	44	58	13	6.6	45	9.3	34
18	34	68	828	e250	32	36	46	9.3	5.4	72	29	957
19	27	51	1010	e219	e26	e30	312	8.4	4.8	84	323	410
20	25	693	164	e120	e20	e26	182	9.8	6.0	45	238	153
21	23	600	99	e140	e20	e23	115	8.5	7.2	126	140	86
22	97	92	90	e400	21	22	84	8.5	7.6	77	332	57
23	80	69	335	317	67	21	57	7.3	7.4	43	144	94
24	102	291	459	325	80	19	53	8.1	11	48	64	256
25	105	196	139	126	104	19	50	8.4	9.5	34	181	261
26	52	203	65	353	138	19	42	6.8	6.8	28	368	101
27	69	114	43	329	135	34	38	5.9	5.7	350	120	92
28	255	113	87	463	201	68	31	5.5	5.3	245	86	676
29	791	126	69	368	---	81	23	5.3	7.1	77	52	653
30	173	187	e40	652	---	89	18	6.6	15	65	62	259
31	98	---	e30	356	---	292	---	7.1	---	69	87	---
TOTAL	5786	6255	6864	4674.5	2836	4842	2612	344.4	196.5	2968	3346.3	5976
MEAN	187	208	221	151	101	156	87.1	11.1	6.55	95.7	108	199
MAX	918	1040	1010	652	592	553	312	24	15	350	368	957
MIN	23	23	19	6.0	20	19	18	5.3	4.1	26	9.3	31
AC-FT	11480	12410	13610	9270	5630	9600	5180	683	390	5890	6640	11850
CFSM	10.7	12.0	12.7	8.65	5.81	8.96	4.99	0.64	0.38	5.49	6.19	11.4
IN.	12.34	13.34	14.64	9.97	6.05	10.33	5.57	0.73	0.42	6.33	7.14	12.75

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

	2004	2005	2005	2005	2005	2005	2005	2005	2005	2004	2004	2004
MEAN	187	208	221	151	101	156	87.1	21.7	12.8	61.7	66.8	190
MAX	187	208	221	151	101	156	87.1	32.3	19.0	95.7	108	199
(WY)	2005	2005	2005	2005	2005	2005	2005	2004	2004	2005	2005	2005
MIN	187	208	221	151	101	156	87.1	11.1	6.55	27.6	25.7	181
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2004	2004	2004

SUMMARY STATISTICS

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005#

ANNUAL TOTAL	46700.7	
ANNUAL MEAN	128	128
HIGHEST ANNUAL MEAN		128
LOWEST ANNUAL MEAN		128
HIGHEST DAILY MEAN	1040	Nov 3
LOWEST DAILY MEAN	4.1	Jun 9
ANNUAL SEVEN-DAY MINIMUM	4.4	Jun 5
MAXIMUM PEAK FLOW	2380	Oct 13
MAXIMUM PEAK STAGE	22.61	Oct 13
INSTANTANEOUS LOW FLOW	b4.1	Jun 8
ANNUAL RUNOFF (AC-FT)	92630	92690
ANNUAL RUNOFF (CFSM)	7.34	7.34
ANNUAL RUNOFF (INCHES)	99.61	99.68
10 PERCENT EXCEEDS	326	326
50 PERCENT EXCEEDS	63	63
90 PERCENT EXCEEDS	7.6	7.6

See Period of Record; partial year was used in monthly statistics
a From rating curve extended above 502 ft³/s
b June 8-10
e Estimated