

SOUTHEAST ALASKA

15109048 PETERSON CREEK BELOW NORTH FORK NEAR AUKE BAY

LOCATION. (REVISED)--Lat 58°17'00", long 134°39'54", in SE¹/₄ NW¹/₄ SW¹/₄ sec. 29, T. 41 S., R. 66 E. (Juneau B-2 SW), Hydrologic Unit 19010301, City and Borough of Juneau, on Douglas Island, in Tongass National Forest, on left bank 100 ft downstream from North Fork Peterson Creek, 1.25 mi upstream from mouth, 7.2 mi south of Auke Bay, and 9.6 mi west of Douglas.

DRAINAGE AREA.--4.33 mi²,

PERIOD OF RECORD.--November 1998 to current year.

REVISED RECORDS.--WDR AK-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	12	e12	9.2	4.6	e1.7	4.6	7.9	22	6.2	2.7	e2.8	e2.1
2	8.7	e12	24	e3.4	e1.9	4.3	26	24	6.2	2.6	e2.7	e2.5
3	e7.0	e8.3	13	e3.0	e2.5	4.2	43	21	5.8	2.7	e3.1	3.6
4	e15	e7.0	9.8	e2.6	3.4	4.4	26	20	5.5	2.6	e2.8	4.1
5	e20	e6.2	6.0	e2.3	5.6	4.9	17	15	6.5	2.7	e2.6	5.1
6	e15	e5.8	e4.7	e2.1	6.4	4.9	12	12	6.7	2.7	e2.5	11
7	e35	e5.7	e4.6	e1.9	5.0	8.0	9.9	12	8.5	2.6	e2.5	12
8	e24	e5.4	e4.4	e1.8	7.5	21	12	13	7.1	2.5	e2.4	7.3
9	e18	11	e4.3	e2.8	47	18	10	12	6.5	2.3	e2.3	5.2
10	e18	10	e4.2	5.3	33	12	9.9	12	5.5	2.3	e2.2	4.1
11	e14	14	4.1	6.7	24	11	9.4	12	5.0	2.2	e2.7	3.4
12	e10	93	4.1	5.9	26	8.1	9.5	13	4.6	2.1	e3.0	3.1
13	e10	50	4.2	13	18	6.7	9.3	14	4.6	2.1	e2.5	16
14	e9.5	29	4.1	130	14	5.7	8.6	15	4.9	2.0	e2.3	12
15	e7.8	21	4.1	37	10	5.3	7.6	13	4.6	2.0	e2.2	9.0
16	e7.1	15	7.0	19	8.0	6.1	6.8	13	4.2	2.0	e2.1	6.4
17	e6.7	9.9	20	12	6.8	6.9	6.3	11	4.1	1.9	e2.0	4.8
18	e10	7.2	21	25	6.4	5.6	5.9	11	4.2	1.9	e2.2	4.0
19	e11	6.5	37	24	6.9	4.7	5.4	11	4.5	1.9	e2.3	3.5
20	e13	5.7	24	31	9.4	4.2	5.0	14	4.4	1.8	e2.3	7.6
21	e11	6.3	22	35	14	3.9	4.9	14	4.2	2.0	e2.2	26
22	e14	6.5	31	42	28	3.9	5.4	11	3.9	2.1	e2.0	15
23	e16	6.5	34	29	18	3.9	6.2	9.4	3.7	2.1	e2.0	72
24	e15	9.6	25	19	13	4.1	6.2	12	3.5	2.3	e1.8	51
25	15	9.1	22	e10	9.1	13	6.7	15	3.4	2.9	e1.8	22
26	30	6.0	15	e5.5	7.1	20	9.9	14	3.3	2.6	e1.8	13
27	23	5.8	8.9	e3.3	6.1	13	8.7	9.9	3.2	2.4	e2.1	12
28	44	e4.4	6.7	e2.2	5.4	10	7.8	7.7	3.1	3.4	e2.5	10
29	e26	4.6	5.9	e1.6	4.9	9.7	7.2	6.9	2.9	4.2	e3.0	8.3
30	e21	5.4	5.6	e1.5	---	11	10	6.6	2.8	5.2	e2.7	7.7
31	e16	---	5.2	e1.6	---	9.1	---	6.4	---	e3.3	e2.3	---
TOTAL	502.8	398.9	395.1	484.1	349.1	252.2	320.5	402.9	143.6	78.1	73.7	363.8
MEAN	16.2	13.3	12.7	15.6	12.0	8.14	10.7	13.0	4.79	2.52	2.38	12.1
MAX	44	93	37	130	47	21	43	24	8.5	5.2	3.1	72
MIN	6.7	4.4	4.1	1.5	1.7	3.9	4.9	6.4	2.8	1.8	1.8	2.1
AC-FT	997	791	784	960	692	500	636	799	285	155	146	722
CFSM	3.75	3.07	2.94	3.61	2.78	1.88	2.47	3.00	1.11	0.58	0.55	2.80
IN.	4.32	3.43	3.39	4.16	3.00	2.17	2.75	3.46	1.23	0.67	0.63	3.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)#

	1999	2000	2001	2002	2003	2004	1999	2000	2001	2002	2003	2004
MEAN	19.8	12.6	16.3	11.1	7.32	6.74	9.07	12.8	10.7	7.52	8.32	16.8
MAX	29.6	19.7	43.2	16.1	12.2	8.14	19.2	18.1	14.9	15.9	16.6	22.8
(WY)	2003	2000	2000	2003	2002	2004	1999	1999	1999	2000	2002	2003
MIN	15.9	4.99	8.30	5.57	2.00	4.14	3.02	5.79	4.01	2.52	2.38	12.1
(WY)	2001	1999	2002	2000	1999	2002	2002	2003	2003	2004	2004	2004

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1999 - 2004#

ANNUAL TOTAL	3702.2	3764.8		
ANNUAL MEAN	10.1	10.3	11.7	
HIGHEST ANNUAL MEAN			15.5	2000
LOWEST ANNUAL MEAN			9.84	2001
HIGHEST DAILY MEAN	189	Sep 27	130	Jan 14
LOWEST DAILY MEAN	a1.8	Jul 19	1.5	Jan 30
ANNUAL SEVEN-DAY MINIMUM	1.9	Jul 14	1.9	Jan 28
MAXIMUM PEAK FLOW			232	Jan 14
MAXIMUM PEAK STAGE			9.46	Jan 14
INSTANTANEOUS LOW FLOW			b	
ANNUAL RUNOFF (AC-FT)	7340	7470	8440	
ANNUAL RUNOFF (CFSM)	2.34	2.38	2.69	
ANNUAL RUNOFF (INCHES)	31.81	32.34	36.56	
10 PERCENT EXCEEDS	21	22	22	
50 PERCENT EXCEEDS	6.3	6.6	7.4	
90 PERCENT EXCEEDS	2.8	2.3	2.7	

See Period of Record; partial years used in monthly statistics

a Jul. 19 and 20

b Not determined; see lowest daily mean

e Estimated