

SOUTHEAST ALASKA

15106970 MIDDLE BASIN CREEK NEAR TENAKEE

LOCATION.--Lat 57°41'33", long 135°12'06", in NE¹/₄ NE¹/₄ SE¹/₄ sec. 21, T. 48 S., R. 63 E. (Sitka C-4 quad), Hydrologic Unit 19010203, in Tongass National Forest, on Chichagof Island, on left bank 0.3 mi upstream from confluence with Kadashan River, and about 7 mi south of Tenakee.

DRAINAGE AREA.--0.12 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1981 to July 1987 (unpublished fragmentary records provided by the U.S. Forest Service). July 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 190 ft above sea level, from topographic map.

REMARKS.-- Records fair. No estimated daily discharges.

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	1.1	0.75	0.84	0.49	0.49	0.64	0.52	0.77	0.69	0.22	0.12	0.05
2	0.98	0.67	1.4	0.42	0.44	0.64	0.98	0.99	0.62	0.22	0.14	0.07
3	0.89	0.60	0.66	0.38	0.42	0.66	1.2	1.1	0.63	0.21	0.13	0.13
4	0.86	0.55	0.61	0.37	0.44	0.65	0.87	1.2	0.62	0.20	0.12	0.10
5	0.80	0.50	0.59	0.34	0.58	0.65	0.74	1.3	0.63	0.20	0.12	0.06
6	0.81	0.46	0.53	0.33	0.54	0.60	0.69	1.3	0.57	0.25	0.12	0.08
7	0.79	0.44	0.46	0.36	0.48	1.2	0.69	1.2	0.56	0.21	0.11	0.07
8	0.71	0.42	0.42	0.35	0.79	2.1	0.63	1.2	0.49	0.20	0.09	0.05
9	0.63	0.61	0.39	0.39	1.6	1.0	0.63	1.1	0.44	0.20	0.10	0.04
10	0.57	0.53	0.37	0.40	1.7	1.6	0.65	1.1	0.41	0.20	0.12	0.04
11	0.54	0.65	0.43	0.39	1.5	1.5	0.66	1.1	0.38	0.19	0.10	0.05
12	0.48	2.4	0.45	0.41	1.5	1.00	0.67	1.1	0.39	0.18	0.09	0.08
13	0.52	2.1	0.43	0.54	1.6	0.89	0.67	1.2	0.36	0.19	0.09	0.13
14	0.50	2.1	0.38	1.1	1.1	0.83	0.66	1.3	0.32	0.19	0.10	0.09
15	0.46	1.6	0.43	0.71	0.96	0.87	0.61	1.3	0.31	0.19	0.11	0.08
16	0.47	1.4	0.59	0.62	0.99	0.83	0.54	1.3	0.30	0.19	0.12	0.07
17	0.45	1.2	0.78	0.84	0.96	0.74	0.56	1.2	0.31	0.18	0.11	0.05
18	0.46	0.97	0.89	0.97	0.90	0.69	0.52	1.1	0.32	0.18	0.10	0.04
19	0.43	0.85	1.2	0.79	0.90	0.58	0.52	1.1	0.32	0.17	0.10	0.04
20	0.41	0.74	0.84	1.1	1.0	0.53	0.50	1.1	0.32	0.17	0.10	0.29
21	0.38	0.70	1.6	1.2	1.1	0.53	0.46	1.2	0.31	0.15	0.10	0.60
22	0.43	0.72	3.5	1.6	1.1	0.54	0.50	1.2	0.30	0.14	0.09	0.33
23	0.42	0.62	2.1	1.2	1.1	0.52	0.46	1.1	0.29	0.16	0.08	0.73
24	0.46	0.63	1.9	0.96	1.0	0.52	0.50	1.1	0.28	0.15	0.09	0.66
25	0.93	0.59	1.4	0.76	0.92	0.55	0.63	1.1	0.28	0.13	0.08	0.61
26	0.96	0.53	0.99	0.58	0.83	0.53	0.65	1.1	0.25	0.11	0.08	0.61
27	1.2	0.48	0.75	0.64	0.73	0.49	0.62	1.0	0.22	0.13	0.12	0.75
28	1.5	0.48	0.65	0.58	0.69	0.69	0.66	0.92	0.21	0.16	0.09	0.63
29	1.2	0.44	0.65	0.55	0.68	0.71	0.67	0.86	0.22	0.13	0.07	0.62
30	1.0	0.49	0.69	0.52	---	0.62	0.69	0.78	0.23	0.13	0.07	0.56
31	0.87	---	0.61	0.52	---	0.52	---	0.73	---	0.12	0.06	---
TOTAL	22.21	25.22	27.53	20.41	27.04	24.42	19.35	34.15	11.58	5.45	3.12	7.71
MEAN	0.72	0.84	0.89	0.66	0.93	0.79	0.65	1.10	0.39	0.18	0.10	0.26
MAX	1.5	2.4	3.5	1.6	1.7	2.1	1.2	1.3	0.69	0.25	0.14	0.75
MIN	0.38	0.42	0.37	0.33	0.42	0.49	0.46	0.73	0.21	0.11	0.06	0.04
MED	0.63	0.62	0.65	0.55	0.92	0.65	0.64	1.1	0.32	0.18	0.10	0.08
AC-FT	44	50	55	40	54	48	38	68	23	11	6.2	15
CFSM	5.97	7.01	7.40	5.49	7.77	6.56	5.38	9.18	3.22	1.47	0.84	2.14
IN.	6.89	7.82	8.53	6.33	8.38	7.57	6.00	10.59	3.59	1.69	0.97	2.39

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

	1999	2000	2001	2002	2003	2004
MEAN	1.50	1.24	1.39	0.68	0.56	0.45
MAX	2.98	2.65	3.75	0.97	0.93	0.79
(WY)	2000	2000	2000	2003	2004	2004
MIN	0.72	0.83	0.45	0.47	0.30	0.26
(WY)	2004	2001	2002	2000	2000	2002

See Period of Record; partial years used in monthly statistics

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004#	
ANNUAL TOTAL	192.05		228.19			
ANNUAL MEAN	0.53		0.62		0.74	
HIGHEST ANNUAL MEAN					1.20 2000	
LOWEST ANNUAL MEAN					0.61 2003	
HIGHEST DAILY MEAN	3.5 Dec 22		3.5 Dec 22		31 Dec 27 1999	
LOWEST DAILY MEAN	0.06 Aug 28		a0.04 Sep 9		a0.04 Sep 9 2004	
ANNUAL SEVEN-DAY MINIMUM	0.07 Aug 23		0.06 Sep 5		0.06 Sep 5 2004	
MAXIMUM PEAK FLOW			6.1 Dec 22		b66 Dec 27 1999	
MAXIMUM PEAK STAGE			4.39 Dec 22		5.16 Dec 27 1999	
INSTANTANEOUS LOW FLOW			a0.03 Sep 9		a0.03 Sep 9 2004	
ANNUAL RUNOFF (AC-FT)	381		453		536	
ANNUAL RUNOFF (CFSM)	4.38		5.20		6.16	
ANNUAL RUNOFF (INCHES)	59.54		70.74		83.70	
10 PERCENT EXCEEDS	0.97		1.2		1.2	
50 PERCENT EXCEEDS	0.39		0.56		0.50	
90 PERCENT EXCEEDS	0.15		0.11		0.19	

See Period of Record; partial years used in monthly statistics

a Sept. 9,10,18 and 19.

b From rating curve extended above 3.0 ft³/s