

SOUTHEAST ALASKA

15088200 SILVER BAY TRIBUTARY AT BEAR COVE NEAR SITKA

LOCATION.--Lat 57°01'09", long 135°09'45", in SW¹/₄ NW¹/₄ NE¹/₄ sec. 13, T. 56 S., R. 64 E. (Sitka A-4 quad), Hydrologic Unit 19010203, in Tongass National Forest, on Baranof Island, on right bank 350 ft upstream from mouth, and 6.5 mi southwest of Sitka.

DRAINAGE AREA.--0.38 mi².

PERIOD OF RECORD.-- October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above sea level, from topographic map.

REMARKS.-- Records 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	0.34	0.74	17	0.23	0.10	0.40	1.1	6.1	0.60	0.18	0.36	0.07
2	0.24	0.36	11	0.15	0.10	0.32	18	4.4	0.62	0.18	0.28	5.4
3	0.40	0.26	0.91	0.12	0.09	0.34	14	3.2	0.67	0.16	0.16	4.4
4	0.69	0.19	0.48	0.10	0.15	0.47	5.8	4.8	1.3	0.14	0.10	5.6
5	0.43	0.16	0.40	0.09	1.1	0.40	3.6	3.7	1.2	0.68	0.08	0.44
6	1.1	0.13	0.31	0.09	1.0	0.38	4.6	2.8	0.72	6.9	0.09	0.29
7	2.0	0.12	0.27	0.09	5.4	4.7	9.1	1.9	0.74	1.1	0.09	0.22
8	0.85	0.25	0.24	0.09	17	18	3.9	1.2	0.43	0.40	0.08	0.09
9	0.85	4.7	0.20	0.61	19	2.1	4.5	1.1	0.54	0.26	0.07	0.07
10	0.96	3.5	0.18	1.9	7.7	6.8	4.8	1.9	0.67	0.21	0.06	0.06
11	0.58	18	0.20	0.92	1.9	3.8	8.7	2.6	0.40	0.18	0.05	0.06
12	0.31	41	0.32	1.6	2.8	1.1	13	3.0	0.57	0.16	0.03	0.27
13	5.4	2.8	0.34	14	2.9	0.81	4.3	3.1	0.63	0.15	0.00	3.1
14	2.8	2.1	0.20	23	1.6	0.73	4.4	e2.4	0.62	0.13	0.00	4.1
15	0.68	5.2	0.95	2.0	0.66	0.89	3.4	e2.1	0.47	0.13	0.00	1.5
16	0.42	1.0	4.3	0.80	0.42	1.8	2.3	e1.8	0.43	0.12	0.00	0.39
17	0.44	0.70	3.4	21	0.33	0.73	1.9	e1.4	0.44	0.10	0.00	0.12
18	5.6	0.38	18	8.4	0.70	0.49	1.7	e1.7	0.48	0.09	0.00	0.08
19	11	0.25	15	1.4	2.3	0.36	1.5	e2.9	0.51	0.09	0.00	0.07
20	2.9	0.18	2.6	6.2	6.1	0.33	2.8	3.7	0.42	0.09	0.01	31
21	4.7	0.16	25	8.6	20	0.35	2.1	4.3	0.31	0.11	0.00	24
22	4.9	7.4	39	17	2.9	0.72	2.8	3.2	0.29	0.11	0.00	6.2
23	4.1	1.1	5.3	3.7	1.2	1.1	1.5	2.4	0.31	0.08	0.00	26
24	1.6	4.0	2.3	0.67	0.81	1.5	2.5	5.1	0.28	0.17	0.00	4.5
25	20	1.3	1.4	0.26	0.59	2.3	5.5	9.1	0.25	0.63	0.00	1.8
26	21	0.56	0.54	0.17	0.57	2.0	3.7	13	0.20	0.72	0.03	8.5
27	13	0.37	0.34	0.13	0.65	1.4	1.6	2.6	0.18	0.54	1.2	12
28	9.3	0.34	0.27	0.12	0.57	7.4	1.2	1.3	0.20	1.4	3.3	1.9
29	1.2	0.38	0.24	0.11	0.41	1.5	3.2	0.98	0.19	15	0.33	28
30	0.55	6.5	0.28	0.11	---	0.86	10	0.82	0.18	5.1	0.18	3.8
31	0.58	---	0.46	0.11	---	0.62	---	0.70	---	0.76	0.09	---
TOTAL	118.92	104.13	151.43	113.77	99.05	64.70	147.5	99.30	14.85	36.07	6.59	174.03
MEAN	3.84	3.47	4.88	3.67	3.42	2.09	4.92	3.20	0.49	1.16	0.21	5.80
MAX	21	41	39	23	20	18	18	13	1.3	15	3.3	31
MIN	0.24	0.12	0.18	0.09	0.09	0.32	1.1	0.70	0.18	0.08	0.00	0.06
MED	1.1	0.63	0.48	0.61	1.0	0.86	3.7	2.6	0.45	0.18	0.05	1.9
AC-FT	236	207	300	226	196	128	293	197	29	72	13	345
CFSM	10.1	9.13	12.9	9.66	8.99	5.49	12.9	8.43	1.30	3.06	0.56	15.3
IN.	11.64	10.19	14.82	11.14	9.70	6.33	14.44	9.72	1.45	3.53	0.65	17.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	6.02	3.46	4.31	2.92	2.42
MAX	7.64	4.56	7.73	3.67	3.42
(WY)	2002	2000	2000	2004	2004
MIN	3.84	2.85	2.49	1.68	1.12
(WY)	2004	2001	2003	2000	2002

e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	919.53		1130.34			
ANNUAL MEAN	2.52		3.09		3.46	
HIGHEST ANNUAL MEAN					4.54	
LOWEST ANNUAL MEAN					2.46	
HIGHEST DAILY MEAN					51	
LOWEST DAILY MEAN	41	Nov 12	41	Nov 12	Aug 12 2002	
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 17	a0.00	Aug 13	b0.00 Jul 17 2003	
MAXIMUM PEAK FLOW	0.08	Jul 14	0.00	Aug 13	0.00 Aug 13 2004	
MAXIMUM PEAK STAGE			140	Sep 20	264 Aug 12 2002	
INSTANTANEOUS LOW FLOW			19.48	Sep 20	19.68 Aug 12 2002	
ANNUAL RUNOFF (AC-FT)	1820		c0.00	Aug 12	d0.00 Dec 2 2001	
ANNUAL RUNOFF (CFSM)	6.63		8.13		9.11	
ANNUAL RUNOFF (INCHES)	90.02		110.65		123.73	
10 PERCENT EXCEEDS	5.6		8.5		8.1	
50 PERCENT EXCEEDS	1.0		0.73		1.9	
90 PERCENT EXCEEDS	0.27		0.09		0.29	

a Aug. 13-19, 21-25

b Jul. 17-18, Aug. 10, 2003, and Aug. 13-19, 21-25, 2004

c Aug. 12-26

d Dec. 2-3, 2001, Jul. 16-19 and Aug. 10-11, 2003, and Aug. 12-26, 2004