

SOUTHEAST ALASKA

15129510 OLD SITUK RIVER NEAR YAKUTAT

LOCATION.--Lat 59°34'14", long 139°26'18", in NW¹/₄ NE¹/₄ NW¹/₄ sec. 23, T. 27 S., R. 35 E. (Yakutat C-4 quad.), Yakutat Borough, Hydrologic Unit 19010401, in Tongass National Forest, on right bank 100 ft downstream from Forest Hwy. 10, 10.5 mi northeast of Yakutat.

DRAINAGE AREA.--4.78 mi², approximately.

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

GAGE.--Water-stage recorder. Elevation of gage is 77 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except for Oct. 1-2, July 24-28, and July 31-Sept. 30 which are poor.

REVISIONS.--The maximum peak discharge for the water year 2004 has been revised to 133 ft³/s, Feb. 11, 2004, gage height 15.14 ft. Revised daily discharge, in cubic feet per second, for the period December 22 to 24, 2003, February 8 to 16, and February 20 to 24, 2004 are given below. These figures supersede those published in reports for 2004.

Daily Discharges

Dec. 22...99	Dec. 23...82	Dec. 24...70	Feb. 8...67	Feb. 9...93	Feb. 10...89	Feb. 11...122
Feb. 12...98	Feb. 13...82	Feb. 14...74	Feb. 15...66	Feb. 16...61	Feb. 20...64	Feb. 21...81
Feb. 22...73	Feb. 23...65	Feb. 24...62				

MONTH	TOTAL	MEAN	MAX	MIN	AC-FT	CFSM	IN
Dec. 2003	1319	42.5	99	25	2620	8.90	10.27
Feb. 2004	1772	61.1	122	25	3510	12.8	13.79
Wtr year 2004	11584.5	31.7	122	9.1	22980	6.62	90.16

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	100	63	79	70	41	97	47	30	19	12	20	65
2	119	58	100	68	37	96	45	30	18	12	17	61
3	142	73	104	68	33	93	43	30	19	12	23	54
4	201	65	83	71	31	89	40	28	18	12	29	50
5	179	59	75	72	31	86	41	27	18	12	35	69
6	135	55	70	61	30	78	39	28	18	12	31	82
7	115	52	67	57	32	80	38	28	18	11	30	81
8	102	50	62	54	51	85	36	26	17	12	28	73
9	90	48	60	53	51	82	37	26	18	11	24	63
10	88	50	58	54	62	104	37	26	17	11	25	59
11	79	48	57	49	53	90	35	24	16	9.9	24	53
12	77	48	83	46	46	101	34	24	16	9.6	23	51
13	83	50	75	44	42	89	33	24	16	9.0	22	49
14	77	49	63	43	40	83	32	25	16	9.3	22	45
15	72	48	66	45	49	77	32	24	15	9.2	21	42
16	67	46	80	45	49	72	31	23	16	8.5	20	52
17	63	44	79	44	46	67	29	22	15	12	19	52
18	59	43	95	43	42	63	31	22	15	11	25	49
19	57	47	84	42	40	61	42	22	15	10	22	54
20	55	62	75	41	40	60	43	21	14	9.8	19	49
21	54	61	69	42	40	57	48	20	13	9.9	19	46
22	52	55	118	49	47	58	45	20	13	9.5	23	46
23	50	56	339	48	51	56	44	18	14	9.2	22	49
24	57	58	208	42	50	53	43	17	13	9.2	69	63
25	48	57	137	40	51	51	41	17	13	10	99	58
26	47	55	117	38	60	51	39	21	13	10	63	52
27	59	53	116	40	89	53	38	22	13	12	53	56
28	66	66	103	38	102	51	37	22	13	13	47	93
29	82	82	88	37	---	48	35	21	12	17	47	97
30	66	70	79	41	---	48	32	20	12	19	77	89
31	64	---	75	45	---	50	---	19	---	21	70	---
TOTAL	2605	1671	2964	1530	1336	2229	1147	727	463	355.1	1068	1802
MEAN	84.0	55.7	95.6	49.4	47.7	71.9	38.2	23.5	15.4	11.5	34.5	60.1
MAX	201	82	339	72	102	104	48	30	19	21	99	97
MIN	47	43	57	37	30	48	29	17	12	8.5	17	42
AC-FT	5170	3310	5880	3030	2650	4420	2280	1440	918	704	2120	3570
CFSM	17.6	11.7	20.0	10.3	9.98	15.0	8.00	4.91	3.23	2.40	7.21	12.6
IN.	20.27	13.00	23.07	11.91	10.40	17.35	8.93	5.66	3.60	2.76	8.31	14.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)#

MEAN	59.0	43.8	69.1	39.3	54.5	52.8	43.3	29.3	16.7	13.8	24.0	37.4
MAX	84.0	55.7	95.6	49.4	61.1	71.9	48.3	35.2	18.0	17.5	34.5	60.1
(WY)	2005	2005	2005	2005	2005	2005	2004	2004	2004	2003	2005	2005
MIN	34.1	32.0	42.5	29.2	47.7	33.6	38.2	23.5	15.4	11.5	12.4	22.7
(WY)	2004	2004	2004	2004	2005	2004	2005	2005	2005	2005	2004	2004

See Period of Record; partial year was used in monthly statistics

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005#	
ANNUAL TOTAL	15490.5		17897.1			
ANNUAL MEAN	42.3		49.0		40.3	
HIGHEST ANNUAL MEAN					49.0	
LOWEST ANNUAL MEAN					31.7	
HIGHEST DAILY MEAN	339		339		339	
LOWEST DAILY MEAN	9.6	Dec 23	8.5	Jul 16	8.5	Dec 23 2004
ANNUAL SEVEN-DAY MINIMUM	9.8	Jul 23	9.5	Jul 10	9.5	Jul 16 2005
MAXIMUM PEAK FLOW			a455		a455	
MAXIMUM PEAK STAGE			16.01		16.01	
INSTANTANEOUS LOW FLOW			b7.9		b7.9	
ANNUAL RUNOFF (AC-FT)	30730		35500		29220	
ANNUAL RUNOFF (CFSM)	8.85		10.3		8.44	
ANNUAL RUNOFF (INCHES)	120.55		139.28		114.64	
10 PERCENT EXCEEDS	79		85		73	
50 PERCENT EXCEEDS	34		46		34	
90 PERCENT EXCEEDS	12		13		12	

See Period of Record; partial year was used in monthly statistics
a From rating curve extended above 124 ft³/s
b July 13, 15-16, and 23-25.