

SOUTHEAST ALASKA

15129500 SITUK RIVER NEAR YAKUTAT

LOCATION.--Lat 59°35'00", long 139°29'31", in SE¹/₄ SW¹/₄ sec. 9, T. 27 S., R. 35 E. (Yakutat C-4 quad.), Yakutat Borough, Hydrologic Unit 19010401, in Tongass National Forest, on left bank 20 ft downstream from Alsek Road bridge, 3.5 mi downstream from Situk Lake, 8.8 mi northeast of Yakutat, and 10 mi upstream from mouth.

DRAINAGE AREA.--36 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level, by U.S. Forest Service.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum(*).

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec 22	1245	1620	69.62	Feb 11	1130	*2030	*70.34
Feb 09	0300	1830	69.99	Sept 26	2045	1000	68.24

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	e184	196	156	182	147	210	217	262	217	129	281	83
2	e164	179	378	e170	170	195	394	292	221	124	232	122
3	e204	165	340	e160	176	186	777	278	213	124	196	304
4	e263	154	297	e150	190	184	753	265	198	124	170	374
5	e260	144	256	e150	446	178	585	254	191	128	151	327
6	e326	136	225	e140	556	169	478	244	186	126	135	277
7	e382	130	200	e130	429	169	422	234	183	121	123	233
8	e366	137	184	e130	783	174	422	223	184	116	114	200
9	e327	220	167	149	1280	172	377	215	187	113	109	176
10	e290	196	155	144	1010	229	341	207	191	112	103	156
11	e275	193	153	138	1820	290	302	199	188	107	106	143
12	e246	343	165	133	1180	301	272	194	181	104	103	145
13	e224	295	193	174	778	283	263	190	172	102	99	159
14	e202	311	189	211	612	258	251	186	167	99	94	155
15	e170	492	181	186	493	264	237	183	162	96	90	165
16	156	400	203	169	410	261	224	180	158	93	85	149
17	145	332	253	182	352	236	214	178	154	89	82	133
18	144	282	292	198	309	214	229	174	150	86	79	121
19	188	245	729	182	345	193	224	171	150	84	80	113
20	204	215	663	353	496	176	206	169	154	82	80	167
21	182	195	665	469	756	164	194	170	156	82	77	372
22	175	207	1380	387	637	156	210	171	156	84	74	379
23	205	211	966	352	509	148	265	173	156	85	72	485
24	254	195	656	301	448	140	284	187	154	85	70	549
25	384	178	496	e260	379	146	391	250	152	92	69	501
26	387	166	390	e230	327	161	392	320	149	98	75	690
27	360	154	317	e200	283	173	360	332	146	130	93	844
28	314	148	269	e180	253	211	324	298	144	270	101	772
29	272	145	240	e160	230	294	297	266	139	435	102	712
30	241	139	230	e150	---	268	272	246	134	471	96	677
31	217	---	204	e140	---	242	---	231	---	351	91	---
TOTAL	7711	6503	11192	6260	15804	6445	10177	6942	5093	4342	3432	9683
MEAN	249	217	361	202	545	208	339	224	170	140	111	323
MAX	387	492	1380	469	1820	301	777	332	221	471	281	844
MIN	144	130	153	130	147	140	194	169	134	82	69	83
AC-FT	15290	12900	22200	12420	31350	12780	20190	13770	10100	8610	6810	19210
CFSM	6.91	6.02	10.0	5.61	15.1	5.78	9.42	6.22	4.72	3.89	3.08	8.97
IN.	7.97	6.72	11.57	6.47	16.33	6.66	10.52	7.17	5.26	4.49	3.55	10.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)#

MEAN	525	348	381	284	259	231	235	267	225	185	274	481
MAX	878	598	739	620	545	516	370	418	345	292	612	838
(WY)	2000	1993	2000	2001	2004	1992	1998	1991	1991	1991	2002	1991
MIN	249	173	142	131	81.2	54.2	73.6	160	127	77.7	105	261
(WY)	2004	1999	1991	1996	1999	1989	2002	1996	1993	1993	1994	2003

e Estimated

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15129500 SITUK RIVER NEAR YAKUTAT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004#	
ANNUAL TOTAL	83347		93584			
ANNUAL MEAN	228		256		308	
HIGHEST ANNUAL MEAN					382	
LOWEST ANNUAL MEAN					230	
HIGHEST DAILY MEAN	1380		1820		2850	
LOWEST DAILY MEAN	67	Dec 22	69	Feb 11	a47	Dec 27 1999
ANNUAL SEVEN-DAY MINIMUM	70	May 9	74	Aug 25	48	Mar 5 1989
MAXIMUM PEAK FLOW			2030		3840	
MAXIMUM PEAK STAGE			70.34		72.99	
INSTANTANEOUS LOW FLOW			b69		c47	
ANNUAL RUNOFF (AC-FT)	165300		185600		223300	
ANNUAL RUNOFF (CFSM)	6.34		7.10		8.56	
ANNUAL RUNOFF (INCHES)	86.13		96.70		116.34	
10 PERCENT EXCEEDS	369		447		588	
50 PERCENT EXCEEDS	190		195		233	
90 PERCENT EXCEEDS	91		104		112	

See Period of Record

a Mar. 5-7 1989

b Aug. 24-26

c Mar. 5, 1989 and Apr. 15 and 17, 2002