

SOUTHEAST ALASKA

15072000 FISH CREEK NEAR KETCHIKAN

LOCATION.--Lat 55°23'31", long 131°11'38", in SW¹/₄SW¹/₄ sec. 6, T. 75 S., R. 94 E. (Ketchikan B-4 quad.), Gateway Borough, Hydrologic Unit 19010102, on Revillagigedo Island, in Tongass National Forest, on right bank 250 ft upstream from outlet of Low Lake, 750 ft upstream from mouth at Thorne Arm, and 18 mi east of Ketchikan.

DRAINAGE AREA.--32.1 mi², excludes that of Granite Lake drainage basin.

PERIOD OF RECORD.--May 1915 to October 1936, October 1938 to current year. Prior to October 1945, monthly discharge only. Records of daily discharge prior to October 1945 are available in computer files of the Geological Survey. Prior to January 1921, published as "near Sea Level, Revillagigedo Island."

REVISED RECORDS.--WSP 1372: 1918.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level, by barometer. Prior to October 1935, at site 150 ft downstream at different datum. October 1935 to October 3, 1975, at prior site and present datum.

REMARKS.--No estimated daily discharges. Records fair. GOES satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft³/s and/or maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1030	*3640	*4.39	Jan. 15	0700	2450	3.59
Dec. 23	0415	2880	3.89				

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	302	436	450	215	147	157	358	496	318	139	103	104
2	253	342	592	183	129	142	301	503	345	133	121	101
3	217	281	537	156	113	136	269	561	338	126	149	135
4	192	236	452	136	99	134	279	546	310	120	167	292
5	178	204	470	119	114	172	281	488	299	123	184	295
6	215	178	378	106	143	193	262	424	296	206	179	266
7	382	157	308	102	146	308	249	373	286	283	166	246
8	534	141	260	106	197	431	268	337	276	298	153	236
9	484	132	224	162	321	557	265	311	269	261	142	218
10	509	127	197	340	508	500	277	300	257	228	131	197
11	466	134	196	449	459	493	336	287	239	208	121	191
12	390	356	232	474	374	447	379	275	246	190	112	195
13	366	1680	212	822	315	349	382	268	276	172	104	381
14	372	1640	179	1670	276	302	347	266	263	157	98	591
15	322	1130	307	2290	242	295	309	265	240	145	91	615
16	282	809	478	1610	213	304	278	260	220	145	86	499
17	303	620	540	1530	202	277	252	250	204	135	80	397
18	358	510	576	1620	275	235	244	243	194	128	75	324
19	477	392	582	1710	338	201	221	243	189	124	71	271
20	526	317	717	1290	453	177	200	254	186	123	77	239
21	463	262	899	1180	622	157	186	273	185	121	74	583
22	408	231	1990	1220	558	147	211	284	181	120	71	791
23	433	208	2730	1160	463	142	359	279	177	118	66	1120
24	481	225	1970	852	390	139	497	270	173	114	62	1750
25	1400	240	1390	606	320	138	777	282	167	109	58	1610
26	3240	210	989	443	268	138	1060	309	163	105	57	1100
27	2390	337	708	331	228	137	1000	332	157	100	66	816
28	1700	252	505	268	200	228	788	324	152	100	86	679
29	1160	212	370	231	177	494	633	304	148	104	104	524
30	792	259	301	198	---	509	535	305	153	106	109	412
31	576	---	257	170	---	437	---	303	---	105	107	---
TOTAL	20171	12258	19996	21749	8290	8476	11803	10215	6907	4646	3270	15178
MEAN	651	409	645	702	286	273	393	330	230	150	105	506
MAX	3240	1680	2730	2290	622	557	1060	561	345	298	184	1750
MIN	178	127	179	102	99	134	186	243	148	100	57	101
MED	433	255	470	443	268	228	291	300	229	126	103	352
AC-FT	40010	24310	39660	43140	16440	16810	23410	20260	13700	9220	6490	30110
CFSM	20.3	12.7	20.1	21.9	8.91	8.52	12.3	10.3	7.17	4.67	3.29	15.8
IN.	23.38	14.21	23.17	25.20	9.61	9.82	13.68	11.84	8.00	5.38	3.79	17.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)#

MEAN	694	565	424	360	316	262	353	501	468	332	330	450
MAX	1326	1767	1081	975	944	673	655	867	764	718	767	966
(WY)	1975	1918	1931	1926	1993	1986	1949	1999	1951	1976	1972	2001
MIN	237	89.2	83.4	37.9	37.8	71.4	130	182	142	65.3	50.7	80.0
(WY)	1926	1974	1984	1950	1969	1969	1967	1998	1998	1958	1965	1965

See Period of Record

SOUTHEAST ALASKA

15072000 FISH CREEK NEAR KETCHIKAN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004#	
ANNUAL TOTAL	161036		142959			
ANNUAL MEAN	441		391		422	
HIGHEST ANNUAL MEAN					556 1992	
LOWEST ANNUAL MEAN					302 1978	
HIGHEST DAILY MEAN	3240	Oct 26	3240	Oct 26	4410	Oct 15 1961
LOWEST DAILY MEAN	51	Aug 14	57	Aug 26	20	Sep 9 1928
ANNUAL SEVEN-DAY MINIMUM	59	Aug 9	65	Aug 21	23	Sep 5 1928
MAXIMUM PEAK FLOW			3640	Oct 26	a5400	Oct 15 1961
MAXIMUM PEAK STAGE			4.39	Oct 26	b5.85	Oct 15 1961
INSTANTANEOUS LOW FLOW			53	Aug 26	20	Sep 9 1928
ANNUAL RUNOFF (AC-FT)	319400		283600		305900	
ANNUAL RUNOFF (CFSM)	13.7		12.2		13.2	
ANNUAL RUNOFF (INCHES)	186.62		165.67		178.70	
10 PERCENT EXCEEDS	890		789		862	
50 PERCENT EXCEEDS	308		268		319	
90 PERCENT EXCEEDS	135		114		99	

See Period of Record

a From rating curve extended above 3,600 ft³/s

b At site then in use