

# SOUTHEAST ALASKA

## 15072000 FISH CREEK NEAR KETCHIKAN

LOCATION.--Lat 55°23'31", long 131°11'38", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>, 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 ft<sup>3</sup>/s and/or maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 01	1515	*2150	*3.36	No peaks greater than base discharge			

### 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	333	810	462	243	1930	155	342	267	129	106	222	761
2	279	913	822	211	1820	213	366	234	122	117	204	1290
3	237	1050	1440	187	1320	469	382	218	116	167	185	1030
4	231	1840	1160	167	982	841	393	204	114	372	197	762
5	628	1560	845	151	718	856	384	190	109	835	219	567
6	894	1040	630	140	526	680	424	179	103	906	239	509
7	1150	761	480	127	404	659	364	170	97	1020	246	759
8	1100	592	381	118	334	811	330	163	92	887	229	909
9	860	455	372	108	329	916	389	159	88	684	208	728
10	801	363	340	102	544	1050	514	157	87	536	186	558
11	812	301	289	99	751	1470	546	157	85	435	167	437
12	741	260	252	93	663	1140	465	158	82	357	150	353
13	1230	451	238	86	482	830	384	160	82	299	138	319
14	1040	968	275	82	370	625	336	181	89	281	126	283
15	791	1140	337	77	301	489	370	207	91	569	116	250
16	607	1070	799	79	258	399	367	229	88	672	108	220
17	471	868	816	187	224	324	317	232	83	545	101	199
18	374	681	1050	274	203	272	283	220	78	446	97	281
19	306	528	1570	384	181	229	358	209	74	384	139	401
20	257	479	1190	462	163	199	424	201	73	322	250	633
21	226	803	926	549	149	175	432	199	72	279	1120	752
22	253	811	710	793	137	157	430	192	70	245	1020	568
23	231	679	644	1010	127	142	402	189	71	217	855	445
24	266	662	975	1150	124	130	394	199	79	205	664	389
25	293	582	961	930	155	121	403	204	87	189	510	449
26	242	518	755	781	154	120	397	195	88	173	490	456
27	222	453	578	775	147	126	393	182	86	234	501	395
28	232	401	552	1110	147	148	379	169	86	299	495	744
29	639	435	447	1200	---	174	343	158	90	288	410	1080
30	721	432	354	1300	---	177	304	147	97	253	463	1060
31	651	---	290	1770	---	316	---	138	---	231	533	---
TOTAL	17118	21906	20940	14745	13643	14413	11615	5867	2708	12553	10588	17587
MEAN	552	730	675	476	487	465	387	189	90.3	405	342	586
MAX	1230	1840	1570	1770	1930	1470	546	267	129	1020	1120	1290
MIN	222	260	238	77	124	120	283	138	70	106	97	199
MED	471	670	630	211	315	316	384	190	87	299	222	534
AC-FT	33950	43450	41530	29250	27060	28590	23040	11640	5370	24900	21000	34880
CFSM	17.2	22.7	21.0	14.8	15.2	14.5	12.1	5.90	2.81	12.6	10.6	18.3
IN.	19.84	25.39	24.27	17.09	15.81	16.70	13.46	6.80	3.14	14.55	12.27	20.38

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)#

MEAN	692	567	427	361	318	264	354	497	464	332	330	451
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	90.3	65.3	50.7	80.0
(WY)	1926	1974	1984	1950	1969	1969	1967	1998	2005	1958	1965	1965

# See Period of Record; partial year was used in monthly statistics and breaks in record.

# SOUTHEAST ALASKA

## 15072000 FISH CREEK NEAR KETCHIKAN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1915 - 2005#	
ANNUAL TOTAL	150498		163683			
ANNUAL MEAN	411		448		422	
HIGHEST ANNUAL MEAN					556 1992	
LOWEST ANNUAL MEAN					302 1978	
HIGHEST DAILY MEAN	2290	Jan 15	1930	Feb 1	4410	Oct 15 1961
LOWEST DAILY MEAN	57	Aug 26	70	Jun 22	20	Sep 9 1928
ANNUAL SEVEN-DAY MINIMUM	65	Aug 21	74	Jun 18	23	Sep 5 1928
MAXIMUM PEAK FLOW			2150	Feb 1	a5400	Oct 15 1961
MAXIMUM PEAK STAGE			3.36	Feb 1	b5.85	Oct 15 1961
INSTANTANEOUS LOW FLOW			c69	Jun 21	20	Sep 9 1928
ANNUAL RUNOFF (AC-FT)	298500		324700		306100	
ANNUAL RUNOFF (CFSM)	12.8		14.0		13.2	
ANNUAL RUNOFF (INCHES)	174.41		189.69		178.83	
10 PERCENT EXCEEDS	900		971		864	
50 PERCENT EXCEEDS	279		340		319	
90 PERCENT EXCEEDS	114		108		99	

# See Period of Record; partial year was used in monthly statistics and breaks in record.

a From rating curve extended above 3,600 ft<sup>3</sup>/s

b At site then in use

c June 21 to June 23