SOUTHEAST ALASKA

15050000 GOLD CREEK AT JUNEAU

LOCATION.--Lat 58°18'25", long 134°24'05", in NW$^1/_4$ NE$^1/_4$ sec. 23, T. 41 S., R. 67 E. (Juneau B-2 SE quad), City and Borough of Juneau, Hydrologic Unit 19010301, on left bank, 150 ft upstream from Alaska Electric Light and Power Company dam and diversion, 0.5 mi northeast of Juneau, and 1 mi upstream from mouth at Gastineau Channel.

DRAINAGE AREA.--9.76 mi^2.

PERIOD OF RECORD.--July 1916 to December 1920 (monthly discharge only), October 1946 to September 1948, October 1949 to September 1982. Annual maximums, water years 1991, 1994, 1996. October 1997 to current year.

REVISED RECORDS.--WSP 1372: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 245 ft above sea level, from topographic map. July 20, 1916 to December 31, 1920, at site 50 ft upstream at different datum. September 11, 1946 to September 30, 1948, nonrecording gage at site 0.7 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Water may be diverted about 0.5 mi upstream and three wells, located upstream from the gage in Last Chance Basin, pump water for municipal use and may decrease flow during winter periods.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 26	0500	1360	5.23	Sept 23	1545	*1460	*5.40
Sep 21	0430	1400	5.29				

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	100	59	24	21	18	19	16	186	183	157	87	22
2	76	57	44	18	17	18	51	213	209	161	85	160
3	59	42	27	e17	16	17	115	194	217	175	98	186
4	104	37	22	e15	16	16	99	183	224	123	78	86
5	72	31	20	e13	23	15	64	140	260	190	73	86
6	100	27	19	e13	21	15	47	111	264	154	71	108
7	119	26	18	e12	17	17	41	105	313	109	63	73
8	73	24	17	e11	60	44	56	115	284	129	59	44
9	55	34	16	11	149	30	56	125	217	109	58	32
10	59	27	15	13	100	25	56	125	179	123	61	26
11	43	33	15	17	78	25	55	121	143	90	75	28
12	31	344	15	14	86	20	60	134	157	90	42	86
13	33	143	14	28	72	18	58	162	179	99	35	228
14	32	87	14	128	64	16	52	189	216	106	48	103
15	26	81	14	94	47	16	39	188	175	133	60	100
16	24	71	16	56	35	15	30	168	161	103	58	66
17	23	60	24	53	27	13	27	153	186	103	41	46
18	40	47	23	121	24	12	24	154	260	84	44	35
19	119	38	63	91	29	12	22	181	317	84	41	27
20	109	35	60	108	76	11	22	253	300	100	40	412
21	70	32	53	183	104	11	23	292	280	154	34	572
22	78	30	242	171	110	10	37	248	300	119	28	435
23	98	25	192	109	75	10	50	232	284	87	19	688
24	116	25	99	78	58	10	54	284	276	136	17	461
25	505	24	74	e50	41	13	95	434	256	143	16	216
26	590	22	56	e40	31	15	128	385	220	87	26	190
27	217	21	39	e33	25	15	99	288	220	213	75	419
28	158	20	33	e28	23	17	81	220	201	434	109	210
29	100	19	31	e26	21	18	72	209	172	256	30	193
30	81	18	27	23	---	20	109	205	172	175	19	178
31	68	---	24	19	---	17	---	198	---	112	14	---
TOTAL	3378	1539	1350	1614	1463	530	1738	6195	6825	4338	1604	5516
MEAN	109	51.3	43.5	52.1	50.4	17.1	57.9	200	228	140	51.7	184
MAX	590	344	242	183	149	44	128	434	317	434	109	688
MIN	23	18	14	11	16	10	16	105	143	84	14	22
MED	76	32	24	28	35	16	54	188	218	123	48	106
AC-FT	6700	3050	2680	3200	2900	1050	3450	12290	13540	8600	3180	10940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)#

MEAN	158	81.8	37.4	23.3	15.2	12.4	25.3	127	225	224	188	185
MAX	349	206	202	170	81.4	137	91.7	220	326	364	374	302
(WY)	2000	1947	2000	1981	1977	1947	1947	1948	2002	1975	1961	1999
MIN	62.6	18.1	6.22	1.71	0.48	0.05	3.78	64.5	121	111	51.7	73.7
(WY)	1952	1976	1956	1974	1972	1974	1954	1920	2003	2003	2004	1978

\# See period of record; partial years used in monthly statistics
e Estimated

15050000 GOLD CREEK AT JUNEAU—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	30466.0		36090			
ANNUAL MEAN	83.5		98.6		109	
HIGHEST ANNUAL MEAN					155	2000
LOWEST ANNUAL MEAN					77.5	1951
HIGHEST DAILY MEAN	883	Sep 8	688	Sep 23	1830	Aug 12 1961
LOWEST DAILY MEAN	a1.4	Mar 13	b10	Mar 22	c0.00	Mar 4 1951
ANNUAL SEVEN-DAY MINIMUM	1.7	Mar 8	11	Mar 18	0.00	Mar 4 1951
MAXIMUM PEAK FLOW			1460	Sep 23	2950	Sep 25 1996
MAXIMUM PEAK STAGE			5.40	Sep 23	8.14	Sep 25 1996
INSTANTANEOUS LOW FLOW			8.3	Mar 8	0.00	Mar 4 1951
ANNUAL RUNOFF (AC-FT)	60430		71580		78960	
10 PERCENT EXCEEDS	197		220		264	
50 PERCENT EXCEEDS	53		60		66	
90 PERCENT EXCEEDS	7.1		16		5.0	

\# See Period of Record; partial years used in monthly statistics
a May have been lower during period of ice affect
b Mar. 22-24.
c No flow at times during winter