

SOUTHEAST ALASKA

15050000 GOLD CREEK AT JUNEAU

LOCATION.--Lat 58°18'25", long 134°24'05", in NW¹/₄ NE¹/₄ 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 mi².

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. GOES satellite telemetry at station. 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 27	2200	923	4.36	Sept. 18	1845	1030	4.56
Aug. 25	1730	949	4.41	Sept. 19	0645	*1550	*5.48
Sept. 06	1815	917	4.35	Sept. 29	0800	1330	5.11

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	292	77	104	36	26	71	18	131	120	154	91	244
2	212	92	235	33	19	88	17	114	114	237	79	135
3	123	234	205	29	17	75	16	110	109	238	123	99
4	285	136	105	27	e15	76	16	107	175	178	417	83
5	306	85	71	25	e12	66	16	107	157	147	519	103
6	226	66	57	23	e10	51	17	116	141	135	207	546
7	258	49	48	22	e9.0	41	18	144	149	121	133	384
8	242	36	40	20	e13	57	17	158	161	107	111	185
9	195	28	39	19	16	81	19	183	163	110	104	115
10	207	22	36	18	18	158	22	208	145	e111	94	98
11	128	20	38	e17	18	126	22	217	133	97	83	87
12	223	19	44	e16	15	88	23	207	117	89	78	96
13	268	30	36	e16	e14	75	23	235	120	110	74	123
14	126	61	45	e15	e13	63	24	433	130	112	69	76
15	112	100	43	e14	11	53	23	349	112	126	60	63
16	88	93	209	e13	11	44	22	209	107	98	51	61
17	73	70	226	e12	11	39	23	181	151	384	46	286
18	56	57	380	e12	10	34	27	168	167	263	190	561
19	43	62	217	e11	e9.7	30	145	180	164	130	107	910
20	35	404	119	e10	e9.2	27	160	182	147	102	97	493
21	30	322	85	e10	e9.0	25	222	184	138	167	104	344
22	26	121	91	e10	11	23	163	167	107	109	194	200
23	22	84	532	e10	15	22	164	168	107	92	95	367
24	21	69	601	e10	13	20	228	172	106	92	87	431
25	19	59	199	e10	13	19	240	144	108	93	319	219
26	17	56	112	e11	15	19	267	169	115	172	203	149
27	26	50	87	e12	22	21	406	193	126	510	113	138
28	90	55	71	e12	42	20	417	150	186	330	87	418
29	206	59	54	12	---	18	289	144	197	187	134	884
30	90	53	44	23	---	17	177	180	130	132	235	576
31	69	---	40	30	---	20	---	146	---	112	285	---
TOTAL	4114	2669	4213	561	416.9	1567	3241	5556	4102	5045	4589	8474
MEAN	133	89.0	136	18.1	14.9	50.5	108	179	137	163	148	282
MAX	306	404	601	36	42	158	417	433	197	510	519	910
MIN	17	19	36	10	9.0	17	16	107	106	89	46	61
MED	112	62	85	16	13	41	23	169	131	126	104	192
AC-FT	8160	5290	8360	1110	827	3110	6430	11020	8140	10010	9100	16810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)#

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	158	81.9	39.5	23.2	15.2	13.3	27.0	128	223	223	187	187																																																																														
MAX	349	206	202	170	81.4	137	108	220	326	364	374	302																																																																														
(WY)	2000	1947	2000	1981	1977	1947	2005	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 and break in record
e Estimated

SOUTHEAST ALASKA

15050000 GOLD CREEK AT JUNEAU—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005#	
ANNUAL TOTAL	40819		44547.9			
ANNUAL MEAN	112		122		109	
HIGHEST ANNUAL MEAN					155 2000	
LOWEST ANNUAL MEAN					77.5 1951	
HIGHEST DAILY MEAN					1830 Aug 12 1961	
LOWEST DAILY MEAN	688	Sep 23	910	Sep 19		
ANNUAL SEVEN-DAY MINIMUM	a10	Mar 22	b9.0	Feb 7	c0.00 Mar 4 1951	
MAXIMUM PEAK FLOW	11	Mar 18	10	Feb 15	0.00 Mar 4 1951	
MAXIMUM PEAK STAGE			1550	Sep 19	2950 Sep 25 1996	
INSTANTANEOUS LOW FLOW			5.48	Sep 19	8.14 Sep 25 1996	
ANNUAL RUNOFF (AC-FT)	80960		9.0	Feb 7	0.00 Mar 4 1951	
10 PERCENT EXCEEDS	250		250		79160	
50 PERCENT EXCEEDS	78		93		264	
90 PERCENT EXCEEDS	17		16		68	
					5.0	

See Period of Record; partial years used in monthly statistics and break in record
a Mar. 22-24
b Feb. 7 and 21
c No flow at times during winter