SOUTHEAST ALASKA

15052000 LEMON CREEK NEAR JUNEAU

LOCATION.--Lat 58°23'30", long 134°25'15", in SE¼ NW¼ NW¼ sec. 19, T. 40 S., R. 67 E. (Juneau B-2 quad), Hydrologic Unit 19010301, City and Borough of Juneau, in Tongass National Forest, on left bank 0.3 mi upstream from Canyon Creek, 4.5 mi upstream from the mouth at Gastineau Channel, and 6 mi north of Juneau.

DRAINAGE AREA.-- 12.1 mi^2.

PERIOD OF RECORD.--August 1951 to November 1953, July 1954 to September 1973, annual maximum 1999, May 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 650 ft above sea level, from topographic map. Prior to Oct.1967 same site and datum about 6.94 ft lower; Oct.1967 to Sept 1973 at same site at datum about 5.85 ft lower.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Large diurnal fluctuations caused by glacier melt at source.

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	346	61	17	e12	e13	8.1	7.7	79	186	409	299	196
2	303	55	35	e11	e12	7.8	26	88	188	413	331	378
3	331	46	19	e10	e11	7.6	60	95	177	403	429	887
4	454	35	15	e9.7	e11	7.5	30	108	201	339	376	560
5	415	29	14	e9.4	e11	7.5	17	93	249	420	362	472
6	485	27	14	e9.0	e12	7.4	14	74	285	394	388	447
7	445	25	13	e8.6	e12	7.8	18	71	395	328	379	212
8	234	24	13	e8.3	e18	19	22	77	365	356	345	122
9	176	e23	e12	e8.0	e65	12	17	77	347	374	384	95
10	138	e21	e11	e7.8	e49	9.4	18	74	310	347	455	82
11	94	28	e10	e7.5	35	9.8	19	78	255	326	485	82
12	70	93	e9.8	e9.0	43	8.8	24	94	248	345	325	309
13	61	52	e9.5	e25	34	8.0	20	115	254	410	325	628
14	56	35	e9.2	170	23	7.5	18	139	263	496	498	342
15	45	32	e9.0	61	16	e7.0	13	133	252	549	652	248
16	39	28	12	30	14	e6.7	12	119	240	441	752	171
17	34	24	14	42	12	e6.2	12	105	268	408	576	130
18	57	e22	15	56	13	e6.0	11	116	383	366	451	107
19	108	e21	38	34	14	e6.0	10	142	498	348	433	75
20	97	e20	26	55	25	e6.0	11	203	498	329	419	239
21	71	e19	29	56	37	e6.0	12	240	477	400	514	863
22	78	e18	94	58	38	e6.0	19	203	484	422	512	647
23	64	18	59	40	19	e6.5	18	193	496	400	299	1150
24	73	17	32	33	14	7.4	18	249	507	553	237	920
25	380	16	26	e28	11	12	38	410	493	503	206	311
26	840	15	20	e25	9.9	12	48	485	463	342	263	373
27	310	15	e18	e22	9.1	10	26	362	461	485	525	604
28	167	15	e16	e19	8.8	11	22	260	431	1360	673	313
29	105	15	e15	e17	8.4	11	21	222	416	1360	469	510
30	82	14	e14	e15	---	11	46	207	442	662	301	581
31	69	---	e13	e13	---	8.4	---	194	---	417	228	---
TOTAL	6227	863	651.5	909.3	598.2	267.4	647.7	5105	10532	14705	12891	12054
MEAN	201	28.8	21.0	29.3	20.6	8.63	21.6	165	351	474	416	402
MAX	840	93	94	170	65	19	60	485	507	1360	752	1150
MIN	34	14	9.0	7.5	8.4	6.0	7.7	71	177	326	206	75
AC-FT	12350	1710	1290	1800	1190	530	1280	10130	20890	29170	25570	23910
CFSM	16.6	2.38	1.74	2.42	1.70	0.71	1.78	13.6	29.0	39.2	34.4	33.2
IN.	19.14	2.65	2.00	2.80	1.84	0.82	1.99	15.69	32.38	45.21	39.63	37.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)#

MEAN	161	49.9	20.0	10.1	6.53	5.96	14.7	90.3	269	421	463	364
MAX	428	129	68.6	34.0	20.6	23.5	47.1	189	382	557	718	544
(WY)	2003	1970	2003	2003	2004	1968	2003	1963	1969	1961	1961	1957
MIN	50.8	16.4	4.71	1.50	1.00	1.50	4.50	42.6	158	310	324	205
(WY)	1957	1972	1962	1952	1952	1952	1955	1971	1952	1952	1954	1964

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004#	
ANNUAL TOTAL	64871.2		65451.1			
ANNUAL MEAN	178		179		157	
HIGHEST ANNUAL MEAN					206	2003
LOWEST ANNUAL MEAN					122	1952
HIGHEST DAILY MEAN	1690	Aug 15	1360	Jul 28	2660	Aug 13 1961
LOWEST DAILY MEAN	5.0	Mar 13	a6.0	Mar 18	0.70	Feb 13 1966
ANNUAL SEVEN-DAY MINIMUM	5.4	Mar 9	6.1	Mar 17	0.73	Feb 13 1966
MAXIMUM PEAK FLOW			2300	Jul 28	b5900	Oct 20 1998
MAXIMUM PEAK STAGE			11.27	Jul 28	c	Aug 12 2002
ANNUAL RUNOFF (AC-FT)	128700		129800		113900	
ANNUAL RUNOFF (CFSM)	14.7		14.8		13.0	
ANNUAL RUNOFF (INCHES)	199.44		201.22		176.55	
10 PERCENT EXCEEDS	443		479		439	
50 PERCENT EXCEEDS	62		61		44	
90 PERCENT EXCEEDS	9.0		9.5		4.0	

\# See Period of Record, partial years used in monthly summary statistics.
a March 18-22
b From rating curve extended above 1,200 ft^3/s, from flood marks, at datum then in use.
c Not determined.
e Estimated