

SOUTHEAST ALASKA

15051010 SALMON CREEK NEAR JUNEAU

LOCATION.--Lat 58°19'57", long 134°27'57", in NE¹/₄ SE¹/₄ NW¹/₄ sec. 9, T. 41 S., R. 67 E. (Juneau B-2 SE quad), City and Borough of Juneau, Hydrologic Unit 19010301, in Tongass National Forest, on left bank, about 0.3 mi upstream from mouth and 2.5 mi northwest of Juneau.

DRAINAGE AREA.--9.69 mi².

PERIOD OF RECORD.--October 1990 to current year. Daily discharge record previously collected 0.5 mi upstream at station number 15051008 "above canyon mouth" during water-years 1982-90. Drainage area, 9.50 mi².

REVISED RECORDS.--WDR AK 93-1: 1991 (m).

GAGE.--Water-stage recorder. Elevation of gage is 30 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges which are poor. Flow regulated by Salmon Creek Reservoir 2.5 mi upstream. Diversions upstream for off-stream hydropower plant; outflow from the plant goes into Gastineau Channel and is not included in the discharge records. Diversions upstream into Twin Lakes via a pipeline are also not included in the discharge records.

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	58	e22	e27	e21	28	66	12	31	32	31	25	66
2	54	e22	e59	20	19	61	11	28	31	44	21	42
3	40	e54	e64	19	15	47	11	29	30	49	32	32
4	52	e43	e40	17	13	53	12	30	49	37	72	27
5	65	e28	e33	17	e12	42	12	29	39	29	93	26
6	55	e22	e28	16	e12	32	12	30	36	26	59	92
7	59	e17	e26	15	e11	27	11	36	37	23	38	92
8	67	e14	e24	14	e12	37	11	38	39	19	30	60
9	55	e12	e22	13	e19	47	12	42	39	20	26	40
10	52	e10	e21	e13	e20	87	14	48	36	20	23	33
11	42	e9.7	25	e11	e16	61	13	56	35	17	20	30
12	54	e9.1	35	e9.0	e14	44	13	56	31	15	19	29
13	66	e11	26	e8.0	13	39	13	62	32	17	18	36
14	43	e17	39	e7.8	12	33	13	98	34	18	17	28
15	39	e26	32	e7.7	11	28	12	72	31	21	15	25
16	33	e27	123	e7.5	11	24	12	50	28	16	14	23
17	28	e23	102	e7.6	12	21	12	47	34	47	14	59
18	23	e19	137	e7.8	11	18	14	45	37	45	28	117
19	20	e11	88	e8.5	10	16	80	49	35	27	32	219
20	19	e81	58	9.4	9.7	15	59	46	31	20	28	104
21	18	e91	42	10	9.4	14	77	47	33	41	27	101
22	17	e49	49	22	12	14	53	43	24	28	42	68
23	15	e30	180	18	32	13	44	43	24	21	29	85
24	16	e24	194	14	21	13	57	44	21	18	24	86
25	15	e22	77	13	19	12	58	37	20	17	67	69
26	13	e20	50	12	20	12	57	42	21	30	56	55
27	e20	e18	41	11	27	14	69	47	23	98	34	54
28	e30	e19	38	10	48	13	76	38	34	87	26	114
29	e49	e21	29	11	---	12	61	37	35	55	29	228
30	e32	e18	e25	29	---	12	39	49	24	36	52	144
31	e22	---	e22	32	---	14	---	38	---	31	64	---
TOTAL	1171	789.8	1756	431.3	469.1	941	950	1387	955	1003	1074	2184
MEAN	37.8	26.3	56.6	13.9	16.8	30.4	31.7	44.7	31.8	32.4	34.6	72.8
MAX	67	91	194	32	48	87	80	98	49	98	93	228
MIN	13	9.1	21	7.5	9.4	12	11	28	20	15	14	23
AC-FT	2320	1570	3480	855	930	1870	1880	2750	1890	1990	2130	4330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	59.6	30.2	28.9	19.3	21.2	17.1	23.9	47.4	52.5	42.6	36.8	61.8			
MAX	131	76.9	69.5	33.5	45.0	39.0	38.6	71.3	82.9	69.0	76.1	108			
(WY)	1999	1994	2000	1992	1992	1992	1994	1992	1991	1997	2002	1991			
MIN	33.0	16.3	12.7	9.65	9.16	8.91	9.52	29.0	31.7	21.9	15.1	41.0			
(WY)	2004	1991	1997	1997	1999	2003	2002	2003	2003	2003	2004	1997			

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1991 - 2005	
ANNUAL TOTAL	12378.0		13111.2			
ANNUAL MEAN	33.8		35.9		36.8	
HIGHEST ANNUAL MEAN					48.6	
LOWEST ANNUAL MEAN					29.7	
HIGHEST DAILY MEAN	194		228		954	
LOWEST DAILY MEAN	9.0		7.5		5.6	
ANNUAL SEVEN-DAY MINIMUM	9.6		7.8		6.2	
MAXIMUM PEAK FLOW			321		1930	
MAXIMUM PEAK STAGE			3.01		a4.65	
INSTANTANEOUS LOW FLOW			b		b	
ANNUAL RUNOFF (AC-FT)	24550		26010		26690	
10 PERCENT EXCEEDS	58		66		70	
50 PERCENT EXCEEDS	26		28		27	
90 PERCENT EXCEEDS	12		12		10	

a From flood marks
b Undetermined, see lowest daily mean
c Estimated