

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 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	23	20	13	e13	13	14	44	45	37	20	12
2	31	21	32	e12	12	13	43	52	49	35	18	19
3	28	19	19	e11	11	12	75	48	46	39	18	27
4	29	17	16	e10	11	12	47	43	45	31	16	25
5	28	16	14	e9.4	19	11	30	35	54	41	14	23
6	29	15	13	e9.1	17	11	24	31	50	34	13	35
7	34	15	12	e9.6	14	15	23	33	64	27	12	25
8	30	14	12	e9.5	42	42	26	36	53	29	14	18
9	27	22	11	e9.5	75	27	25	37	48	29	16	16
10	30	18	10	e10	49	26	25	38	43	29	18	14
11	29	24	11	e11	45	28	23	35	39	25	21	13
12	24	159	11	12	52	19	23	35	39	23	17	18
13	23	54	11	28	34	16	22	40	41	24	16	51
14	22	40	9.7	98	28	15	21	45	49	26	16	36
15	20	41	9.6	45	23	15	18	44	39	25	17	33
16	18	34	14	27	19	14	16	41	37	25	16	26
17	16	28	27	30	17	13	15	39	41	24	15	20
18	18	22	26	60	17	11	14	40	53	20	15	17
19	24	19	63	42	21	10	13	45	59	18	15	15
20	28	17	46	54	48	9.9	13	52	56	19	16	69
21	22	17	39	76	56	9.7	13	56	51	22	14	140
22	23	18	109	62	57	9.4	17	48	51	16	13	89
23	31	16	81	46	34	9.1	20	46	51	13	12	170
24	31	16	46	32	27	9.0	25	66	51	33	12	138
25	101	15	33	27	22	15	47	86	50	28	12	68
26	110	14	26	e24	19	15	57	72	45	17	12	57
27	51	13	20	e21	17	14	38	53	42	35	15	112
28	45	12	18	e18	16	17	29	46	40	93	16	65
29	34	12	17	e16	15	17	26	47	35	54	14	52
30	28	12	17	e15	---	17	30	46	34	37	12	49
31	25	---	15	e14	---	14	---	46	---	25	14	---
TOTAL	1024	763	808.3	861.1	830	479.1	812	1425	1400	933	469	1452
MEAN	33.0	25.4	26.1	27.8	28.6	15.5	27.1	46.0	46.7	30.1	15.1	48.4
MAX	110	159	109	98	75	42	75	86	64	93	21	170
MIN	16	12	9.6	9.1	11	9.0	13	31	34	13	12	12
AC-FT	2030	1510	1600	1710	1650	950	1610	2830	2780	1850	930	2880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)#

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	61.2	30.5	26.9	19.7	21.5	16.1	23.3	47.6	54.0	43.3	37.0	61.0		
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004#	
ANNUAL TOTAL	9808.6		11256.5			
ANNUAL MEAN	26.9		30.8		36.9	
HIGHEST ANNUAL MEAN					48.6	
LOWEST ANNUAL MEAN					29.7	
HIGHEST DAILY MEAN	164	Sep 27	170	Sep 23	954	Oct 20 1998
LOWEST DAILY MEAN	5.6	Mar 13	9.0	Mar 24	5.6	Mar 13 2003
ANNUAL SEVEN-DAY MINIMUM	6.2	Mar 8	9.6	Jan 4	6.2	Mar 8 2003
MAXIMUM PEAK FLOW			394	Sep 23	1930	Sep 25 1996
MAXIMUM PEAK STAGE			3.13	Sep 23	4.65	Sep 25 1996
INSTANTANEOUS LOW FLOW			7.4	Aug 30	b	
ANNUAL RUNOFF (AC-FT)	19460		22330		26740	
10 PERCENT EXCEEDS	49		53		70	
50 PERCENT EXCEEDS	20		24		27	
90 PERCENT EXCEEDS	8.4		12		10	

See Period of Record
a From flood marks
b Undetermined, see lowest daily mean
e Estimated