

SOUTHEAST ALASKA

15041200 TAKU RIVER NEAR JUNEAU (International gaging station)

LOCATION.--Lat 58°32'19", long 133°42'00", in NE¹/₄ NW¹/₄ sec. 33, T. 38 S., R. 71 E. (Taku River C-6 quad), Hydrologic Unit 19010301, City and Borough of Juneau, in Tongass National Forest, on left bank, 1.5 mi upstream from Wright River, and 31 mi northeast of Juneau.

DRAINAGE AREA.--6,600 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1987 to current year.

REVISED RECORD.--WDR AK-98-1, 1987-1997; WDR AK-00-1 1989-90 (M), 1992-95 (M).

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 09	0145	59,300	39.86	July 01	1315	51,000	38.97
Jun 25	1630	*128,000	*45.07	July 14	1645	55,400	39.45

DISCHARGE, in CFS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20800	e7400	e3600	e2700	e1600	e2000	2600	11500	28400	50500	27000	15300
2	19200	e6800	e3500	e2600	e1600	e1900	2740	13700	26700	47700	23600	15300
3	17700	e6000	e3400	e2500	e1500	e1900	3240	15700	24800	47000	25500	19800
4	16900	e5100	e3300	e2400	e1500	e1900	3840	17600	24800	45800	27900	24600
5	17200	e4600	e3250	e2400	e1500	e1900	3940	17700	29100	41800	27400	22100
6	15400	e4300	e3200	e2300	e1500	e1800	3760	16200	37600	39200	29100	18800
7	14400	e4100	e3100	e2200	e1600	e1800	3640	16000	47000	39100	29300	15500
8	13200	e4000	e3100	e2200	e1700	e1900	3720	17800	55700	37000	29100	12700
9	11700	e4200	e3000	e2200	e1800	e1900	3880	19600	57200	37300	26900	11000
10	10700	e4700	e2900	e2200	e1900	e2000	3950	19600	47500	37000	27300	9900
11	9800	e5200	e2900	e2200	e1900	e2100	4170	18900	38200	36200	29300	9090
12	8920	e6000	e2900	e2100	e2000	e2100	4580	19300	32300	35200	28300	9150
13	8180	e7400	e3000	e2200	e2000	e2100	4810	21600	30300	39600	25300	10400
14	7670	e6700	e3000	e2300	e2100	e2000	5000	25200	33500	50400	25300	11200
15	7280	e6000	e3000	e2400	e2100	e2000	4920	28200	34700	40300	28300	10600
16	6840	e5600	e3100	e2300	e2100	e2000	4570	29500	33400	36500	30700	9790
17	6470	e5300	e3200	e2300	e2100	e2000	4370	30400	33200	35900	33900	8820
18	6290	e5000	e3200	e2200	e2170	e2000	4380	30700	35800	34400	36900	8030
19	6150	e4700	e3300	e2200	e2200	e1900	4450	31900	42900	33000	34200	7490
20	6150	e4500	e3400	e2200	e2300	e1900	4430	36400	47500	32500	29700	7430
21	5990	e4300	e3400	e2300	e2400	e2000	4600	41300	49200	33400	27500	17800
22	5830	e4200	e3500	e2300	e2500	e2000	4970	40100	48200	35700	26700	28000
23	5860	e4100	e3600	e2200	e2500	e2000	5120	37300	48000	38300	22600	24900
24	5810	e4100	e3500	e2100	e2500	2140	5140	38600	64100	36700	19100	33100
25	7760	e4000	e3400	e2000	e2400	2470	5660	42700	113000	32500	17900	29000
26	16800	e4000	e3200	e1900	e2300	2800	7510	46500	76800	28700	17100	20900
27	21700	e3900	e3100	e1800	e2300	2870	8630	43100	48800	26900	19800	24200
28	16000	e3800	e3000	e1700	e2200	2810	8860	38400	48100	32200	22400	25000
29	12400	e3800	e2800	e1700	e2100	2840	9120	36100	47000	40000	20900	20100
30	10200	e3700	e2700	e1700	---	2850	9540	36600	49100	37300	17300	17100
31	8480	---	e2800	e1600	---	2690	---	31300	---	32700	15900	---
TOTAL	347780	147500	98350	67400	58370	66570	150140	869500	1332900	1170800	802200	497100
MEAN	11220	4917	3173	2174	2013	2147	5005	28050	44430	37770	25880	16570
MAX	21700	7400	3600	2700	2500	2870	9540	46500	113000	50500	36900	33100
MIN	5810	3700	2700	1600	1500	1800	2600	11500	24800	26900	15900	7430
AC-FT	689800	292600	195100	133700	115800	132000	297800	1725000	2644000	2322000	1591000	986000
CFSM	1.70	0.74	0.48	0.33	0.30	0.33	0.76	4.25	6.73	5.72	3.92	2.51
IN.	1.96	0.83	0.55	0.38	0.33	0.38	0.85	4.90	7.51	6.60	4.52	2.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)#

MEAN	11610	4740	3434	2282	1935	2480	4333	20040	34310	31980	26280	18980
MAX	17250	8633	6613	4223	3682	10500	6815	33800	49280	41080	33330	26550
(WY)	1992	1994	2000	2000	1992	1992	1992	1993	1992	1992	2002	1994
MIN	6265	2488	1256	1125	1041	1359	1870	9652	23170	25040	18610	11180
(WY)	1997	1997	1997	1988	1999	1991	2002	2001	1995	1996	1995	1992

See Period of Record; partial years used in monthly statistics
e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004#	
ANNUAL TOTAL	4260730		5608610			
ANNUAL MEAN	11670		15320		13600	
HIGHEST ANNUAL MEAN					16820	1992
LOWEST ANNUAL MEAN					10800	1996
HIGHEST DAILY MEAN	57700	Aug 10	113000	Jun 25	113000	Jun 25 2004
LOWEST DAILY MEAN	a1200	Mar 10	b1500	Feb 3	710	Feb 12 1988
ANNUAL SEVEN-DAY MINIMUM	1230	Mar 8	1540	Jan 31	721	Feb 8 1988
MAXIMUM PEAK FLOW			c128000	Jun 25	c128000	Jun 25 2004
MAXIMUM PEAK STAGE			45.07	Jun 25	45.07	Jun 25 2004
INSTANTANEOUS LOW FLOW			d		710	Feb 12 1989
ANNUAL RUNOFF (AC-FT)	8451000		11120000		9851000	
ANNUAL RUNOFF (CFSM)	1.77		2.32		2.06	
ANNUAL RUNOFF (INCHES)	24.02		31.61		27.99	
10 PERCENT EXCEEDS	28200		37800		33200	
50 PERCENT EXCEEDS	7250		6820		7280	
90 PERCENT EXCEEDS	1500		2000		1650	

See Period of Record; partial years used in monthly statistics

a Mar. 10 to 14

b Feb. 3-6

c Result of Tulsequah River glacier dam breakout

d Not determined see lowest daily mean