

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)
May 16	2030	51100	38.98	Jun 30	2145	81700*	42.34*
May 26	0630	53000	39.19	Aug 14	1515	67100	41.03

DISCHARGE, in CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16500	6900	5060	e2600	e2100	e2100	2660	19600	39400	48000	21000	19500
2	17500	7060	7090	e2400	e2000	e2200	2670	18200	37000	35400	20000	16300
3	16200	7740	9720	e2200	e2000	e2200	2680	17900	34900	34000	20000	14600
4	15500	9710	8230	e2100	e1900	e2250	2710	18800	34100	32400	22000	13900
5	18100	8430	e6600	e2200	e1900	e2300	2750	19200	34600	31000	26000	13600
6	18100	7300	e5800	e2200	e1800	e2300	2750	19400	33600	30300	25600	16000
7	16900	6230	e5300	e2100	e1800	e2350	2860	20900	34900	29800	23800	21300
8	15600	e5100	e4900	e2100	e1900	e2400	2930	23400	36600	27800	23300	23900
9	14800	e4600	e4500	e2100	e1900	e2450	3020	26200	37500	28400	23900	19900
10	14000	e4200	e4200	e2000	e1900	e2500	3160	30000	36600	30100	25000	16600
11	13000	e4100	e4100	e2000	e2000	e2550	3360	33600	34000	32600	27500	15600
12	11900	e4000	e4700	e2000	e2000	e2600	3530	38300	32500	32500	32100	15300
13	17200	e4100	e4500	e1900	e2000	e2600	3660	39700	32500	30800	43400	16100
14	20500	e4300	e4300	e1800	e2000	e2600	3870	42300	34400	29600	60500	16700
15	18300	5470	e4100	e1800	e2000	e2600	3920	47400	33000	28100	34900	15700
16	15700	5390	e4000	e1900	e2000	e2600	3970	50300	31900	28100	27800	15600
17	13500	5110	e4600	e1900	e2000	e2600	4100	49000	32900	31000	25100	18500
18	11800	4700	e6000	e2000	e2000	e2580	4370	43900	35500	35100	25800	25600
19	10200	4530	e8100	e2000	e1900	e2550	5280	41900	39000	31600	29500	21400
20	9160	5140	e6500	e2000	e1900	e2520	7020	41100	39400	27900	28400	16300
21	9030	7010	e5800	e2000	e2000	e2500	9170	40200	36900	25800	24400	13300
22	8550	6550	e5300	e2100	e2000	e2450	10800	38400	31500	24600	23000	11500
23	8240	5790	e7500	e2100	e2000	e2420	10400	38500	28100	25000	21100	11000
24	7790	5450	e11000	e2100	e2000	e2400	11900	40600	26200	25600	19500	13000
25	7480	5340	e10000	e2000	e2100	e2420	14400	44800	26600	25500	21000	16500
26	7210	5100	e8500	e2000	e2100	e2450	17500	48400	29000	24600	27000	14500
27	7300	4760	e6500	e2000	e2100	e2500	20800	41500	31000	26000	23400	11700
28	7590	4860	e5000	e2000	e2100	e2550	23000	42800	34600	29900	19400	13800
29	8430	5260	e3500	e2000	---	e2570	23700	41500	46800	28900	18500	16400
30	8270	5040	e3100	e2100	---	2580	22100	41400	72000	25600	19400	14400
31	7400	---	e2800	e2100	---	2620	---	41800	---	23000	22800	---
TOTAL	391750	169270	181300	63800	55400	76310	235040	1101000	1067000	919000	805100	488500
MEAN	12640	5642	5848	2058	1979	2462	7835	35520	35570	29650	25970	16280
MAX	20500	9710	11000	2600	2100	2620	23700	50300	72000	48000	60500	25600
MIN	7210	4000	2800	1800	1800	2100	2660	17900	26200	23000	18500	11000
AC-FT	777000	335700	359600	126500	109900	151400	466200	2184000	2116000	1823000	1597000	968900
CFSM	1.91	0.85	0.89	0.31	0.30	0.37	1.19	5.38	5.39	4.49	3.93	2.47
IN.	2.21	0.95	1.02	0.36	0.31	0.43	1.32	6.21	6.01	5.18	4.54	2.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)#

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	11670	4790	3568	2269	1937	2479	4528	20900	34380	31850	26260	18830						
MAX	17250	8633	6613	4223	3682	10500	7835	35520	49280	41080	33330	26550						
(WY)	1992	1994	2000	2000	1992	1992	2005	2005	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 year was used in monthly statistics
e Estimated

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005#	
ANNUAL TOTAL	5757300		5553470			
ANNUAL MEAN	15730		15210		13690	
HIGHEST ANNUAL MEAN					16820	1992
LOWEST ANNUAL MEAN					10800	1996
HIGHEST DAILY MEAN	113000	Jun 25	72000	Jun 30	113000	Jun 25 2004
LOWEST DAILY MEAN	a1500	Feb 3	b1800	Jan 14	710	Feb 12 1988
ANNUAL SEVEN-DAY MINIMUM	1540	Jan 31	1870	Feb 4	721	Feb 8 1988
MAXIMUM PEAK FLOW			c81700	Jun 30	c128000	Jun 25 2004
MAXIMUM PEAK STAGE			42.34	Jun 30	45.07	Jun 25 2004
ANNUAL RUNOFF (AC-FT)	11420000		11020000		9916000	
ANNUAL RUNOFF (CFSM)	2.38		2.31		2.07	
ANNUAL RUNOFF (INCHES)	32.45		31.30		28.18	
10 PERCENT EXCEEDS	37800		35000		33400	
50 PERCENT EXCEEDS	8350		10000		7380	
90 PERCENT EXCEEDS	2000		2000		1700	

See Period of Record; partial year was used in monthly statistics

a Feb. 3-6

b Jan. 14 and 15; Feb. 6 and 7

c Result of Tulsequah River glacier dam breakout