

SOUTHEAST ALASKA

15129000 ALSEK RIVER NEAR YAKUTAT (International gaging station)

LOCATION.--Lat 59°23'42", long 138°04'55", in NW¹/₄ NE¹/₄ sec. 19, T. 29 S., R. 44 E. (Yakutat B-1 quad), Hydrologic Unit 19010401, in Glacier Bay National Park, on right bank across from terminus of Walker Glacier, 33 mi upstream from Dry Bay, and 55 mi southeast of Yakutat.

DRAINAGE AREA.--10,820 mi².

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 250 ft above sea level, from topographic map.

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

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	e49000	16300	e6000	e5600	e2900	e3500	e3900	12500	49200	123000	96000	56900
2	e43000	15800	e6200	e5400	e2900	e3500	e4100	13700	49300	119000	86000	58600
3	e36000	15300	e6000	e5200	e2900	e3400	e4400	15500	49400	120000	91000	85400
4	41200	14500	e5800	e5100	e2900	e3400	5040	17400	49100	114000	90300	90900
5	42900	13600	e5700	e5000	e2900	e3300	4910	19200	52200	109000	89400	73500
6	42800	13400	e5600	e4900	e3000	e3300	4840	20400	57800	103000	92400	56900
7	42800	13200	e5500	e4800	e3000	e3400	5010	20900	75700	102000	96000	43900
8	41600	13000	e5500	e3800	e3100	e3400	5740	21400	94200	105000	98300	35000
9	39200	14500	e5400	e4000	e3200	e3400	5550	22600	100000	108000	98600	29100
10	36500	14000	e5400	e4000	e3300	e3400	5600	23200	91200	106000	99300	25100
11	33700	13100	e5300	e3800	e3300	e3500	5400	23600	77600	100000	109000	22200
12	30800	14000	e5300	e3700	e3500	e3600	5410	24500	69900	99100	97700	20200
13	28200	13800	e5300	e3700	e3600	e3600	5500	26100	68000	100000	85100	20900
14	26100	13200	e5400	e3700	e3700	e3600	5750	27900	70300	99100	86600	22300
15	24400	13100	e5500	e3700	e3800	e3600	6120	30200	73100	101000	98400	21700
16	23000	12400	e5500	e3600	e3900	e3500	6150	31900	76500	105000	106000	26500
17	21700	11400	e5600	e3600	e4000	e3500	6050	33900	77600	107000	111000	48000
18	20600	10100	e5700	e3500	e4300	e3400	6160	37000	84800	106000	111000	22500
19	20600	e8700	e5800	e3700	e4300	e3400	6220	38500	95900	103000	104000	17800
20	20800	e8300	e6000	e3900	e4400	e3400	6230	41000	107000	98800	95800	16000
21	20500	e7700	e6100	e4100	e4400	e3400	6290	46300	113000	102000	92000	26300
22	20200	e7500	e7000	e4000	e4400	e3400	6480	49700	118000	103000	96400	31700
23	20300	e6900	e6800	e3800	e4400	e3400	6660	50700	123000	100000	94500	32700
24	19900	e6600	e6300	e3600	e4200	e3500	6830	52100	128000	98300	85500	38100
25	21600	e6300	e5900	e3400	e4100	e3500	7360	56400	131000	95800	77900	35900
26	23000	e6100	e5600	e3300	e3900	e3600	8290	59400	133000	90500	68400	35800
27	22400	e6000	e5300	e3200	e3800	e3600	9010	56000	131000	88500	67000	53100
28	20800	e5900	e5000	e3100	e3900	e3700	9880	53300	133000	104000	64200	47500
29	19300	e6000	e5600	e3100	e3600	e3800	10600	53300	130000	113000	63200	40400
30	17900	e5800	e5700	e3000	---	e3900	11300	52600	131000	110000	61300	38000
31	17100	---	e5900	e2900	---	e3900	---	50300	---	103000	60300	---
TOTAL	887900	326500	177700	122200	105600	108800	190780	1081500	2739800	3236100	2772600	1172900
MEAN	28640	10880	5732	3942	3641	3510	6359	34890	91330	104400	89440	39100
MAX	49000	16300	7000	5600	4400	3900	11300	59400	133000	123000	111000	90900
MIN	17100	5800	5000	2900	2900	3300	3900	12500	49100	88500	60300	16000
AC-FT	1761000	647600	352500	242400	209500	215800	378400	2145000	5434000	6419000	5499000	2326000
CFSM	2.65	1.01	0.53	0.36	0.34	0.32	0.59	3.22	8.44	9.65	8.27	3.61
IN.	3.05	1.12	0.61	0.42	0.36	0.37	0.66	3.72	9.42	11.13	9.53	4.03

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	24490	9973	7016	5123	4214	4027	6508	26300	68930	87430	77160	48310		
MAX	40300	19160	12640	9118	6625	6619	10870	40100	91330	104400	99370	76330		
(WY)	1995	2003	2003	2001	1993	1992	1992	1993	2004	2004	1994	1995		
MIN	12040	5828	3229	3045	2707	3033	4379	16770	53490	73510	59750	29040		
(WY)	1997	1997	1997	1995	1995	1995	2002	2001	1996	1996	1996	1992		

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1991 - 2004#

ANNUAL TOTAL	10647560	12922380		
ANNUAL MEAN	29170	35310	30850	
HIGHEST ANNUAL MEAN			35850	1993
LOWEST ANNUAL MEAN			23920	1996
HIGHEST DAILY MEAN	118000	Aug 16	a133000	Jun 26
LOWEST DAILY MEAN	2580	Mar 13	b2900	Jan 31
ANNUAL SEVEN-DAY MINIMUM	2620	Mar 8	2910	Jan 30
MAXIMUM PEAK FLOW			137000	Jun 26
MAXIMUM PEAK STAGE			85.87	Jun 26
ANNUAL RUNOFF (AC-FT)	21120000	25630000	22350000	
ANNUAL RUNOFF (CFSM)	2.70	3.26	2.85	
ANNUAL RUNOFF (INCHES)	36.61	44.43	38.74	
10 PERCENT EXCEEDS	76900	101000	83500	
50 PERCENT EXCEEDS	16300	15600	13000	
90 PERCENT EXCEEDS	3560	3500	3500	

- # See Period of Record; partial years used in monthly summary statistics
- a June 26 and 28
- b January 31 to February 5
- c From rating extended above 100,000 cfs
- e Estimated