

# SOUTHEAST ALASKA

## 15129000 ALSEK RIVER NEAR YAKUTAT (International gaging station)

LOCATION.--Lat 59°23'42", long 138°04'55", in NW¼ NE¼ 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 mi<sup>2</sup>.

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 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46900	11800	8430	e8600	e5700	e4900	e5000	24500	62400	107000	67800	49600
2	56200	11400	10500	e7900	e5600	e4900	e4900	23200	62100	106000	65900	43700
3	51200	12500	11300	e7300	e5400	e5000	e4900	22300	61500	104000	73600	39900
4	51700	13100	10200	e7400	e5200	e5000	e4900	22200	63900	104000	82200	38500
5	53600	12000	8050	e7600	e5100	e5100	e5000	22400	72500	98100	80200	43500
6	45700	11300	7100	e7300	e5000	e5100	e5200	22600	75300	97500	79800	53900
7	37100	10400	6910	e7000	e4900	e5200	e5300	22800	71400	89700	82500	57400
8	31600	9440	6420	e6700	e5100	e5300	e5100	23500	69100	90700	85600	54700
9	27600	9500	6180	e6500	e5100	e5400	e5100	24600	69400	96600	93400	49800
10	25600	9470	6370	e6300	e5100	e5400	e5200	26600	71700	99500	97700	46000
11	23500	9320	6470	e6200	e5000	e5500	e5500	29400	71100	100000	103000	50300
12	20900	9260	8610	e6000	e4900	e5500	e5800	33400	72300	102000	111000	51000
13	24300	9410	9330	e5900	e4800	e5600	e5900	36300	71500	104000	118000	58400
14	24700	9380	8630	e5800	e4800	e5700	e6200	40500	76900	99000	126000	56400
15	24100	9270	7990	e5700	e4900	e5700	e6500	48800	85100	90000	125000	47800
16	22500	9070	8550	e5700	e5000	e5800	e6700	51800	88000	90000	115000	42900
17	20700	8780	10600	e5800	e5000	e5800	e7000	49800	97500	95800	104000	43400
18	19000	8390	10600	e5800	e5000	e5700	e7200	47700	110000	95300	102000	43300
19	17200	8500	10200	e5700	e5000	e5600	e7420	47700	120000	84800	99900	42700
20	16000	8720	9740	e5600	e4900	e5600	e7620	48800	127000	80100	86500	38100
21	14800	8770	9020	e5600	e4800	e5500	e9290	51700	120000	75600	74500	32700
22	13800	8470	9390	e5600	e4900	e5300	e10500	52100	108000	81300	69500	28400
23	12700	8140	18300	e5500	e4900	e5200	e11700	51200	98700	87300	67200	27200
24	12000	8180	25700	e5500	e4900	e5200	e13200	51400	93400	90400	81800	38100
25	11500	8140	19700	e5500	e5000	e5100	e15000	51400	91800	88900	126000	45300
26	10900	7770	16700	e5500	e5000	e5100	e16500	52200	91700	83600	125000	39300
27	11200	7560	e15000	e5500	e4900	e5300	e18000	54100	92200	87600	108000	34400
28	11700	7750	e12300	e5600	e4900	e5300	e20700	56500	95800	92200	98200	36400
29	13400	8620	e11000	e5600	---	e5100	24400	58700	98200	89300	80000	34300
30	13200	8370	e10000	e5600	---	e5100	25300	60400	102000	81200	65900	29900
31	12500	---	e9300	e5800	---	e5000	---	61200	---	74800	57400	---
TOTAL	777800	282780	328590	192100	140800	165000	281030	1269800	2590500	2866300	2852600	1297300
MEAN	25090	9426	10600	6197	5029	5323	9368	40960	86350	92460	92020	43240
MAX	56200	13100	25700	8600	5700	5800	25300	61200	127000	107000	126000	58400
MIN	10900	7560	6180	5500	4800	4900	4900	22200	61500	74800	57400	27200
AC-FT	1543000	560900	651800	381000	279300	327300	557400	2519000	5138000	5685000	5658000	2573000
CFSM	2.32	0.87	0.98	0.57	0.46	0.49	0.87	3.79	7.98	8.55	8.50	4.00
IN.	2.67	0.97	1.13	0.66	0.48	0.57	0.97	4.37	8.91	9.85	9.81	4.46

### 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	24530	9934	7272	5199	4272	4119	6712	27350	70170	87770	78150	47970			
MAX	40300	19160	12640	9118	6625	6619	10870	40960	91330	104400	99370	76330			
(WY)	1995	2003	2003	2001	1993	1992	1992	2005	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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1991 - 2005#

ANNUAL TOTAL	12919450	13044600		
ANNUAL MEAN	35300	35740		
HIGHEST ANNUAL MEAN			31200	
LOWEST ANNUAL MEAN			35850	1993
HIGHEST DAILY MEAN			23920	1996
LOWEST DAILY MEAN			175000	Aug 13 2002
HIGHEST DAILY MEAN	133000	Jun 26	127000	Jun 20
LOWEST DAILY MEAN	2900	Jan 31	a4800	Feb 13
ANNUAL SEVEN-DAY MINIMUM	2910	Jan 30	4910	Feb 11
MAXIMUM PEAK FLOW			136000	Aug 25
MAXIMUM PEAK STAGE			84.48	Aug 25
ANNUAL RUNOFF (AC-FT)	25630000	25870000		22600000
ANNUAL RUNOFF (CFSM)	3.26		3.30	2.88
ANNUAL RUNOFF (INCHES)	44.42		44.85	39.18
10 PERCENT EXCEEDS	101000		95800	84500
50 PERCENT EXCEEDS	12600		15000	13100
90 PERCENT EXCEEDS	3500		5100	3550

# See Period of Record; partial year was used in monthly statistics  
a Feb. 13, 14 and 21  
b From rating extended above 100,000 cfs  
e Estimated