

SOUTHEAST ALASKA

15057580 KAHTAHEENA RIVER ABOVE UPPER FALLS NEAR GUSTAVUS

LOCATION.--Lat 58°26'37", long 135°36'01", in SW¹/₄ SE¹/₄ SE¹/₄ sec. 36, T. 39 S., R. 59 E. (Juneau B-5 quad), Hydrologic Unit 19010302, in Glacier Bay National Park and Preserve, 1.7 miles above the mouth at Icy Passage, 4.5 mi east of Gustavus, and 44 mi west of Juneau.

DRAINAGE AREA.--10.1 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1999 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 560 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those above 180 ft³/s, 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	47	30	52	e14	e8.5	19	15	119	58	22	32	11
2	38	27	69	e13	e9.5	18	58	151	62	20	31	46
3	32	24	24	e12	e10	17	168	148	61	24	28	115
4	34	22	18	e11	e12	16	84	151	64	22	25	82
5	34	20	16	e11	e29	15	52	131	79	27	22	94
6	46	18	e15	e10	e58	15	49	106	78	25	20	102
7	50	18	e14	e9.5	e50	22	62	95	84	21	18	71
8	39	17	e14	e9.0	e150	89	53	89	85	20	17	48
9	33	116	13	e9.3	e260	38	57	90	76	19	16	37
10	31	38	e13	e10	127	42	64	93	84	18	15	31
11	28	43	e12	e12	78	50	53	99	73	18	20	29
12	26	341	e12	e22	64	31	54	106	66	16	16	77
13	24	113	12	e70	62	24	50	112	59	16	14	127
14	24	68	12	e180	62	20	47	115	58	15	13	87
15	21	75	12	e70	42	19	43	108	50	14	12	68
16	20	49	13	e30	33	18	38	95	44	14	12	52
17	19	37	47	e35	28	18	37	84	43	14	11	40
18	22	30	54	e79	29	e17	36	81	47	13	12	33
19	23	e28	103	e62	41	e16	32	90	51	12	13	29
20	22	e25	44	e69	71	e15	31	107	50	12	13	89
21	20	e23	108	82	79	e14	33	128	45	13	12	270
22	25	e22	311	101	99	14	42	114	42	13	11	158
23	75	e21	127	94	54	13	45	98	39	12	11	176
24	52	20	61	57	44	15	44	113	37	13	10	229
25	180	18	43	e23	35	13	60	151	35	12	10	149
26	183	17	34	e10	29	16	107	164	32	12	10	101
27	103	16	e27	e9.0	e25	17	82	113	32	24	19	144
28	88	15	e24	e8.6	23	46	72	83	28	78	20	109
29	53	19	e20	e8.3	21	37	63	72	26	56	19	92
30	41	39	e18	e8.0	---	22	75	65	24	36	16	150
31	35	---	e16	e8.0	---	18	---	61	---	32	12	---
TOTAL	1468	1349	1358	1146.7	1633.0	744	1706	3332	1612	663	510	2846
MEAN	47.4	45.0	43.8	37.0	56.3	24.0	56.9	107	53.7	21.4	16.5	94.9
MAX	183	341	311	180	260	89	168	164	85	78	32	270
MIN	19	15	12	8.0	8.5	13	15	61	24	12	10	11
MED	34	25	20	13	42	18	52	106	51	18	15	88
AC-FT	2910	2680	2690	2270	3240	1480	3380	6610	3200	1320	1010	5650
CFSM	4.69	4.45	4.34	3.66	5.58	2.38	5.63	10.6	5.32	2.12	1.63	9.39
IN.	5.41	4.97	5.00	4.22	6.01	2.74	6.28	12.27	5.94	2.44	1.88	10.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)#

	MEAN	88.4	54.3	55.8	35.3	26.6	18.6	33.9	83.3	81.7	54.7	52.8	98.8
MAX	129	99.0	128	55.4	56.3	24.0	56.9	107	114	79.1	131	128	
(WY)	2003	2003	2000	2003	2004	2004	2004	2004	2000	2000	2002	1999	
MIN	47.4	22.8	20.6	18.7	11.0	8.67	15.2	53.2	47.6	21.4	16.5	77.5	
(WY)	2004	2002	2002	2000	2000	2002	2002	2003	2003	2004	2004	2002	

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1999 - 2004#

ANNUAL TOTAL	16287.5	18367.7	
ANNUAL MEAN	44.6	50.2	56.6
HIGHEST ANNUAL MEAN			70.3
LOWEST ANNUAL MEAN			50.2
HIGHEST DAILY MEAN	341	341	1110
LOWEST DAILY MEAN	7.0	a8.0	5.0
ANNUAL SEVEN-DAY MINIMUM	7.4	8.6	5.8
MAXIMUM PEAK FLOW		759	b1650
MAXIMUM PEAK STAGE		29.67	30.52
INSTANTANEOUS LOW FLOW		c	5.0
ANNUAL RUNOFF (AC-FT)	32310	36430	41030
ANNUAL RUNOFF (CFSM)	4.42	4.97	5.61
ANNUAL RUNOFF (INCHES)	59.99	67.65	76.19
10 PERCENT EXCEEDS	101	108	122
50 PERCENT EXCEEDS	29	33	35
90 PERCENT EXCEEDS	13	12	11

See period of Record, partial years used in monthly statistics

a January 30-31

b From rating curve extended above 130 cfs

c Undetermined, see lowest daily value

e Estimated