

SOUTHEAST ALASKA

15056030 KAKUHAN CREEK NEAR HAINES

LOCATION.--Lat 59°00'19", long 135°11'02", in SW¹/₄ NE¹/₄ SE¹/₄ sec. 14, T. 33 S., R. 61 E. (Skagway A-1 quad), Hydrologic Unit 19010301, in Tongass National Forest, about 500 ft upstream from mouth on east side of Lynn Canal, 19 mi southeast of Haines, and 60 mi northwest of Juneau.

DRAINAGE AREA.--1.53 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 45 ft above sea level, from topographic map. May 1997 to May 15,2003, at a site 300 ft down stream at a different datum.

REMARKS.--Records poor.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	0115	*276	*12.37	Jun. 30	0700	51	11.47
Jun. 8	0030	54	11.48				

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	20	4.5	1.0	e0.57	e0.49	1.1	0.49	15	14	36	17	10
2	19	3.9	1.4	e0.54	e0.47	1.5	1.7	15	14	29	16	15
3	21	3.6	1.0	e0.52	e0.46	0.55	9.4	15	13	26	18	18
4	25	3.0	0.90	e0.50	e0.43	0.57	2.4	17	15	25	19	13
5	28	2.9	e0.77	e0.48	e0.42	0.56	0.82	13	20	27	20	12
6	52	2.6	e0.72	e0.46	e7.0	0.54	0.72	12	27	26	21	8.3
7	33	2.1	e0.68	e0.44	e7.4	0.59	1.3	13	35	26	21	4.8
8	23	1.9	e0.65	e0.43	e4.8	2.1	2.0	14	33	24	20	3.5
9	12	1.9	e0.62	e0.43	e2.9	0.83	1.9	13	23	24	19	3.4
10	9.6	1.9	e0.63	e0.44	e2.3	0.72	2.0	11	22	23	20	2.2
11	7.5	1.9	0.63	e0.46	e2.0	0.74	2.6	12	17	22	22	1.9
12	5.8	3.1	0.63	e0.60	e1.7	0.61	2.5	14	16	23	19	6.1
13	5.4	2.0	0.62	e0.51	e1.5	0.55	1.4	18	18	23	19	7.1
14	5.2	1.9	0.59	e0.63	e1.4	0.51	1.4	21	17	25	21	2.9
15	4.9	1.9	0.60	e2.5	e1.3	0.50	1.1	20	16	26	23	1.9
16	4.3	1.9	0.64	e8.0	e1.2	0.50	1.1	17	15	26	25	1.5
17	4.1	e1.7	0.73	e4.8	1.0	0.48	0.92	15	17	23	26	1.2
18	5.0	e1.6	0.70	e2.9	1.1	e0.46	0.73	15	28	20	24	1.2
19	5.1	e1.5	1.9	e1.6	1.2	e0.44	0.68	18	34	21	22	1.0
20	4.5	e1.4	1.2	e0.97	1.9	e0.42	0.66	23	32	21	19	8.4
21	4.3	e1.3	2.8	e3.0	3.7	e0.40	1.1	26	31	21	20	19
22	4.6	e1.2	12	2.3	4.0	e0.39	2.2	23	32	23	19	7.0
23	4.9	e1.1	5.8	0.96	3.1	e0.38	1.9	21	33	24	15	19
24	5.7	e1.1	2.2	e0.85	2.2	0.47	1.2	24	33	24	12	12
25	17	1.0	1.1	e0.78	1.7	0.52	5.7	27	32	22	11	5.6
26	25	e1.0	e0.87	e0.72	1.4	0.51	7.0	22	31	19	15	12
27	11	e0.97	e0.73	e0.68	1.1	0.52	2.5	21	29	21	16	16
28	7.0	e0.94	e0.63	e0.63	e0.80	0.66	1.9	18	30	26	15	8.0
29	5.5	e0.90	e0.56	e0.58	0.67	0.66	3.6	18	33	24	13	5.4
30	5.2	0.88	e0.60	e0.55	---	0.56	10	17	37	21	14	4.8
31	4.8	---	e0.60	e0.52	---	0.50	---	14	---	19	12	---
TOTAL	389.4	57.59	44.50	39.35	59.64	19.84	72.92	542	747	740	573	232.2
MEAN	12.6	1.92	1.44	1.27	2.06	0.64	2.43	17.5	24.9	23.9	18.5	7.74
MAX	52	4.5	12	8.0	7.4	2.1	10	27	37	36	26	19
MIN	4.1	0.88	0.56	0.43	0.42	0.38	0.49	11	13	19	11	1.0
AC-FT	772	114	88	78	118	39	145	1080	1480	1470	1140	461
CFSM	8.21	1.25	0.94	0.83	1.34	0.42	1.59	11.4	16.3	15.6	12.1	5.06
IN.	9.47	1.40	1.08	0.96	1.45	0.48	1.77	13.18	18.16	17.99	13.93	5.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	11.1	3.61	3.07	1.50	1.18	0.96	2.43	9.49
MAX	18.4	8.35	5.89	2.94	2.06	1.76	4.47	17.5
(WY)	2003	2003	2003	2003	2004	1999	2003	2003
MIN	4.70	1.72	0.89	0.88	0.58	0.50	0.70	4.87
(WY)	1998	2002	2002	2002	2002	2002	2001	2000

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 1997 - 2004#	
ANNUAL TOTAL	4580.43		3517.44			
ANNUAL MEAN	12.5		9.61		11.0	
HIGHEST ANNUAL MEAN					14.0	
LOWEST ANNUAL MEAN					9.61	
HIGHEST DAILY MEAN					155	
LOWEST DAILY MEAN	90	Aug 15	52	Oct 6	0.36	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.56	Dec 29	0.38	Mar 23	0.41	Feb 24 2001
MAXIMUM PEAK FLOW	0.62	Dec 9	0.42	Mar 18	0.41	Feb 19 2001
MAXIMUM PEAK STAGE			a276	Oct 6	b415	Aug 31 1998
ANNUAL RUNOFF (AC-FT)	9090		12.37		c8.77	
ANNUAL RUNOFF (CFSM)	8.20		6.28		8010	
ANNUAL RUNOFF (INCHES)	111.37		85.52		7.22	
10 PERCENT EXCEEDS	35		24		30	
50 PERCENT EXCEEDS	4.5		4.4		4.3	
90 PERCENT EXCEEDS	0.75		0.55		0.71	

See period of Record;partial years used in monthly statistics

a From a rating curve extended above 33 ft³/s

b From rating curve extended above 51 ft³/s

c At site 300 ft. downstream, at different datum.