

# SOUTHEAST ALASKA

## 15056030 KAKUHAN CREEK NEAR HAINES

LOCATION.--Lat 59°00'19", long 135°11'02", in SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

### 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 15, 2003 to October 2004, at a site 300 ft upstream at a different datum.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
July 17	0830	*83	*8.33	Aug. 18	0900	61	8.14
Aug. 04	0415	73	8.22	Aug. 25	0500	81	8.27
Aug. 13	1815	79	8.26	Sept. 18	1645	69	8.26

#### 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	8.6	3.0	2.4	e1.9	1.2	2.5	1.0	8.1	19	24	17	25
2	8.7	3.2	3.2	e1.9	e1.1	2.9	e1.1	8.2	19	25	19	19
3	5.9	6.2	2.7	e1.8	e1.0	2.0	1.00	8.4	18	25	40	16
4	20	3.8	2.1	e1.8	e0.95	1.8	1.0	8.1	20	26	56	16
5	36	3.1	1.9	1.8	e0.90	1.8	1.1	8.0	17	22	48	19
6	21	3.1	e1.6	1.7	e0.95	1.6	1.2	9.9	18	23	40	28
7	14	3.0	e1.5	1.7	e1.1	1.5	1.2	12	22	19	39	26
8	10	2.9	e1.4	1.7	e1.2	2.1	1.1	14	21	19	42	25
9	7.3	2.9	e1.4	1.6	e1.3	2.1	1.2	18	21	23	42	21
10	7.5	2.8	e1.5	1.5	e1.4	5.2	1.3	22	21	22	46	21
11	6.1	2.7	1.7	e1.5	e1.3	2.3	1.3	24	19	19	51	21
12	14	2.7	2.0	e1.5	1.2	1.9	1.4	24	17	18	54	19
13	21	2.8	1.6	e1.4	1.2	2.0	1.6	26	18	18	57	21
14	8.1	3.0	1.7	e1.3	1.2	2.0	1.6	32	19	21	53	17
15	7.2	3.2	1.7	e1.3	1.1	1.7	1.6	28	17	25	48	14
16	5.7	3.1	9.0	e1.2	1.1	1.5	1.5	18	18	22	44	15
17	5.0	2.9	4.1	e1.2	1.1	1.4	1.5	16	25	37	39	23
18	4.2	2.9	4.1	e1.2	1.1	1.2	1.6	18	28	25	52	32
19	4.0	2.9	3.1	e1.3	1.0	1.2	2.8	19	29	22	45	21
20	4.3	6.2	2.4	e1.3	1.0	1.2	2.8	17	22	19	42	15
21	4.0	4.6	2.0	1.3	1.0	1.2	7.7	18	18	17	34	12
22	3.7	3.1	2.3	1.8	1.1	1.3	5.1	17	15	20	36	11
23	3.4	2.8	11	1.7	1.1	1.2	7.0	18	14	22	27	13
24	3.4	2.7	6.9	1.4	1.1	1.2	17	17	15	21	40	23
25	3.2	2.5	2.7	1.4	1.1	1.2	19	19	17	20	62	14
26	3.2	2.4	e2.3	1.3	1.1	1.2	21	25	19	25	45	11
27	3.5	2.3	e2.2	1.3	1.4	1.1	22	28	22	36	31	11
28	3.6	2.3	e2.1	1.3	2.0	1.1	19	21	31	31	29	17
29	5.9	2.2	e2.0	1.3	---	1.0	13	21	36	23	27	15
30	3.4	2.3	e2.0	1.3	---	1.0	9.6	22	27	20	28	12
31	3.0	---	e1.9	1.4	---	1.1	---	19	---	19	25	---
TOTAL	258.9	93.6	88.5	46.1	32.30	52.5	169.30	563.7	622	708	1258	553
MEAN	8.35	3.12	2.85	1.49	1.15	1.69	5.64	18.2	20.7	22.8	40.6	18.4
MAX	36	6.2	11	1.9	2.0	5.2	22	32	36	37	62	32
MIN	3.0	2.2	1.4	1.2	0.90	1.0	1.0	8.0	14	17	17	11
AC-FT	514	186	176	91	64	104	336	1120	1230	1400	2500	1100
CFSM	5.46	2.04	1.87	0.97	0.75	1.11	3.69	11.9	13.6	14.9	26.5	12.0
IN.	6.29	2.28	2.15	1.12	0.79	1.28	4.12	13.71	15.12	17.21	30.59	13.45

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	10.8	3.55	3.04	1.50	1.17	1.06	2.83	10.6	22.9
MAX	18.4	8.35	5.89	2.94	2.06	1.76	5.64	18.2	27.2
(WY)	2003	2003	2003	2003	2004	1999	2005	2005	2003
MIN	4.70	1.72	0.89	0.88	0.58	0.50	0.70	4.87	20.7
(WY)	1998	2002	2002	2002	2002	2002	2002	2001	2005

# See Period of Record; partial years used in monthly statistics  
e Estimated

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## 15056030 KAKUHAN CREEK NEAR HAINES—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005#	
ANNUAL TOTAL	3466.95		4445.90			
ANNUAL MEAN	9.47		12.2		11.2	
HIGHEST ANNUAL MEAN					14.0	
LOWEST ANNUAL MEAN					9.61	
HIGHEST DAILY MEAN					155	
LOWEST DAILY MEAN	37	Jun 30	62	Aug 25	Aug 13 2002	
ANNUAL SEVEN-DAY MINIMUM	0.38	Mar 23	0.90	Feb 5	0.36 Feb 24 2001	
MAXIMUM PEAK FLOW	0.42	Mar 18	1.0	Feb 1	0.41 Feb 19 2001	
MAXIMUM PEAK STAGE			83	Jul 17	a415 Aug 31 1998	
ANNUAL RUNOFF (AC-FT)	6880		8820		b8.77 Aug 31 1998	
ANNUAL RUNOFF (CFSM)	6.19		7.96		8110	
ANNUAL RUNOFF (INCHES)	84.29		108.10		7.31	
10 PERCENT EXCEEDS	24		28		99.38	
50 PERCENT EXCEEDS	3.9		5.9		30	
90 PERCENT EXCEEDS	0.55		1.2		4.4	
					0.74	

# See Period of Record; partial years used in monthly statistics

a From rating curve extended above 51 ft<sup>3</sup>/s

b At site 300 ft downstream, at different datum.