

SOUTHEAST ALASKA

15129600 OPHIR CREEK NEAR YAKUTAT

LOCATION.--Lat 59°31'26", long 139°44'37", in SW¹/₄ NW¹/₄ NE¹/₄ sec. 1, T. 28 S., R. 33 E. (Yakutat C-5 SW quad), Hydrologic Unit 19010401, in Tongass National Forest, on right bank 0.8 mi upstream from Summit Lake and 2 mi south of Yakutat.

DRAINAGE AREA.-- 2.5 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 9.05 ft above sea level, determined by levels survey.

REMARKS.--Records fair, except for estimated daily discharges which are poor.

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	45	31	29	e31	14	56	16	4.9	1.8	0.99	3.9	22
2	56	28	37	e29	12	52	14	4.5	1.7	0.96	3.2	19
3	73	34	42	e28	10	50	12	4.1	1.6	0.95	5.8	17
4	81	31	34	e28	8.8	48	11	3.9	1.6	1.1	16	15
5	76	27	30	e30	7.8	46	11	3.5	1.7	0.93	13	38
6	62	24	26	e24	7.1	40	10	3.1	1.5	0.92	9.0	42
7	53	23	24	e20	7.6	36	9.8	2.8	1.5	0.92	6.8	35
8	46	21	21	e18	24	35	9.1	2.8	1.4	0.89	5.7	30
9	38	20	19	e16	24	34	8.9	2.8	1.4	0.89	5.0	26
10	34	20	17	e15	28	40	9.9	2.7	1.4	0.88	4.5	25
11	28	18	16	e14	23	36	9.6	2.5	1.4	0.83	4.0	23
12	26	18	25	e12	20	42	8.7	2.4	1.4	0.83	3.7	21
13	30	20	26	e11	18	38	8.2	2.5	1.4	0.83	3.4	e20
14	29	20	23	e10	16	33	7.6	2.5	1.4	0.81	3.2	e19
15	30	19	23	e9.0	22	30	7.1	2.3	1.3	0.79	3.2	e17
16	26	20	30	8.8	24	27	6.5	2.0	1.3	0.77	3.0	e16
17	24	20	34	8.2	21	24	6.0	2.0	1.3	1.3	2.9	e18
18	22	20	41	7.7	19	23	7.1	2.0	1.2	1.2	3.6	e17
19	21	22	36	7.1	17	21	15	2.4	1.3	1.0	3.4	e17
20	19	32	31	6.6	16	20	15	1.9	1.3	0.99	3.2	e19
21	18	28	28	6.8	15	18	16	1.8	1.3	0.93	3.4	e18
22	17	25	47	13	18	18	14	1.7	1.1	0.91	4.7	e17
23	16	23	88	16	24	17	11	1.6	1.1	0.90	3.9	e16
24	19	22	77	13	22	16	9.9	1.5	1.1	0.90	71	e18
25	17	21	57	11	23	14	8.9	1.5	1.1	1.1	68	e23
26	17	21	e45	9.5	29	14	8.1	2.1	1.0	1.2	41	e21
27	24	19	e43	9.0	53	15	7.4	2.4	1.0	1.6	30	e19
28	34	22	e41	8.4	63	14	6.6	2.4	1.00	1.6	25	e21
29	46	31	e38	7.7	---	13	5.9	2.3	0.99	2.2	22	e45
30	37	27	e35	9.7	---	13	5.4	2.1	0.99	3.8	28	e53
31	33	---	e33	14	---	16	---	2.0	---	3.0	27	---
TOTAL	1097	707	1096	451.5	586.3	899	295.7	79.0	39.58	36.92	430.5	707
MEAN	35.4	23.6	35.4	14.6	20.9	29.0	9.86	2.55	1.32	1.19	13.9	23.6
MAX	81	34	88	31	63	56	16	4.9	1.8	3.8	71	53
MIN	16	18	16	6.6	7.1	13	5.4	1.5	0.99	0.77	2.9	15
AC-FT	2180	1400	2170	896	1160	1780	587	157	79	73	854	1400
CFSM	14.2	9.43	14.1	5.83	8.38	11.6	3.94	1.02	0.53	0.48	5.55	9.43
IN.	16.32	10.52	16.31	6.72	8.72	13.38	4.40	1.18	0.59	0.55	6.41	10.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
MEAN	30.3	24.2	23.9	18.9	17.4	16.6	14.8	12.1	6.06	3.91	8.88	18.0
MAX	60.7	43.8	49.1	42.7	36.1	38.3	28.3	34.4	19.7	9.67	19.4	30.8
(WY)	2000	2000	2000	2001	2004	1992	1998	1999	1999	1998	1998	1998
MIN	11.6	10.1	8.96	5.13	3.31	4.13	2.68	2.55	1.32	0.66	1.02	5.54
(WY)	2004	2004	1996	1993	1999	1999	2002	2005	2005	1993	2004	2004

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	6500.41		6425.50			
ANNUAL MEAN	17.8		17.6		16.3	
HIGHEST ANNUAL MEAN					23.3	
LOWEST ANNUAL MEAN					10.9	
HIGHEST DAILY MEAN	88	Dec 23	88	Dec 23	e118	Dec 27 1999
LOWEST DAILY MEAN	0.19	Aug 25	0.77	Jul 16	0.19	Aug 25 2004
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 20	0.82	Jul 10	0.39	Aug 20 2004
MAXIMUM PEAK FLOW			98	Dec 23	a159	Oct 18 1999
MAXIMUM PEAK STAGE			12.06	Dec 23		12.55
INSTANTANEOUS LOW FLOW			b0.73	Jul 15		c0.10
ANNUAL RUNOFF (AC-FT)	12890		12740		11770	
ANNUAL RUNOFF (CFSM)	7.10		7.04		6.50	
ANNUAL RUNOFF (INCHES)	96.73		95.61		88.32	
10 PERCENT EXCEEDS	35		38		35	
50 PERCENT EXCEEDS	18		16		13	
90 PERCENT EXCEEDS	1.1		1.3		2.9	

- a May have been exceeded during period of gage malfunction from Dec. 25 to 28, 1999
- b July 15 and 16
- c Minimum recorded, Aug. 24 and 25, 2004, but may have been less during period water was below intake Jul. 28, Aug. 2, and Aug. 8 to Aug. 10, 1993
- e Estimated