

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 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	9.1	6.5	22	16	23	18	20	3.0	1.2	1.9	1.1
2	8.0	8.4	15	22	18	22	23	20	3.3	1.2	1.8	1.8
3	9.6	7.6	12	22	18	22	36	19	3.1	1.1	1.7	2.8
4	12	6.9	11	21	19	21	36	18	3.0	1.1	1.5	2.4
5	12	6.5	9.8	20	29	21	31	17	2.9	1.2	1.5	2.0
6	15	6.1	9.1	19	35	20	28	16	2.8	1.0	1.3	1.8
7	17	5.8	8.1	e17	28	20	27	15	2.7	1.0	1.3	1.5
8	16	6.1	7.4	16	42	20	27	14	2.3	0.98	1.2	1.6
9	15	8.7	6.7	17	60	19	26	13	2.2	0.94	1.2	1.5
10	13	7.3	6.4	17	56	22	26	12	2.2	0.92	1.1	1.3
11	13	7.5	6.5	16	74	24	24	12	2.0	0.83	1.2	1.3
12	11	14	8.4	15	64	23	23	11	1.9	0.81	1.1	1.3
13	10	12	11	19	52	22	22	10	1.9	0.73	0.99	1.3
14	9.6	14	11	22	45	21	22	9.2	1.9	0.72	0.94	1.2
15	8.8	20	11	19	39	22	22	8.5	1.8	0.66	0.91	1.3
16	8.2	18	12	18	35	22	21	7.7	1.8	0.62	0.84	2.0
17	7.4	16	16	19	31	21	20	7.7	1.8	0.62	0.73	1.7
18	7.2	14	16	20	29	20	21	6.1	1.8	0.61	0.65	1.4
19	9.6	13	37	18	29	19	21	5.5	1.7	0.52	0.68	1.3
20	11	12	36	26	33	18	20	5.0	1.5	0.52	0.59	2.8
21	10	11	36	33	45	17	19	5.6	1.5	0.47	0.50	6.8
22	9.8	11	61	28	42	17	21	4.1	1.5	0.61	0.41	5.5
23	10	11	51	26	36	17	23	3.6	1.4	0.45	0.32	13
24	13	10	40	24	35	16	24	3.5	1.3	0.43	0.29	12
25	19	9.6	34	21	32	16	30	4.1	1.3	0.36	0.19	8.6
26	16	9.2	28	20	29	16	29	4.3	1.3	0.37	0.40	17
27	14	8.1	26	19	27	16	26	4.2	1.3	1.7	1.0	19
28	13	7.7	24	18	26	18	24	3.8	1.3	3.4	1.5	16
29	12	6.9	25	17	24	21	23	3.5	1.2	2.9	1.5	17
30	11	6.1	27	17	---	20	21	3.4	1.2	2.5	1.3	18
31	10	---	24	16	---	19	---	3.0	---	2.2	1.2	---
TOTAL	360.0	303.6	632.9	624	1048	615	734	289.8	58.9	32.67	31.74	166.3
MEAN	11.6	10.1	20.4	20.1	36.1	19.8	24.5	9.35	1.96	1.05	1.02	5.54
MAX	19	20	61	33	74	24	36	20	3.3	3.4	1.9	19
MIN	7.2	5.8	6.4	15	16	16	18	3.0	1.2	0.36	0.19	1.1
AC-FT	714	602	1260	1240	2080	1220	1460	575	117	65	63	330
CFSM	4.65	4.05	8.17	8.05	14.5	7.94	9.79	3.74	0.79	0.42	0.41	2.22
IN.	5.36	4.52	9.42	9.29	15.59	9.15	10.92	4.31	0.88	0.49	0.47	2.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	29.9	24.3	23.0	19.2	17.2	15.6	15.1	12.9	6.43	4.11	8.49	17.5	
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	2001	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	5.26	1.96	0.66	1.02	5.54	
(WY)	2004	2004	1996	1993	1999	1999	2002	2003	2004	1993	2004	2004	

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1992 - 2004

ANNUAL TOTAL	3750.6	4896.91	
ANNUAL MEAN	10.3	13.4	16.1
HIGHEST ANNUAL MEAN			23.3
LOWEST ANNUAL MEAN			10.9
HIGHEST DAILY MEAN	61	Dec 22	e118
LOWEST DAILY MEAN	a2.1	Aug 11	0.19
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 7	0.39
MAXIMUM PEAK FLOW			79
MAXIMUM PEAK STAGE			11.88
INSTANTANEOUS LOW FLOW			c0.10
ANNUAL RUNOFF (AC-FT)	7440	9710	11700
ANNUAL RUNOFF (CFSM)	4.11	5.35	6.46
ANNUAL RUNOFF (INCHES)	55.81	72.87	87.76
10 PERCENT EXCEEDS	19	28	34
50 PERCENT EXCEEDS	8.3	11	12
90 PERCENT EXCEEDS	3.0	1.1	3.1

- a Aug. 11 and Aug. 13
- b May have been exceeded during period of gage malfunction from Dec. 25 to 28, 1999
- c Aug. 25 and 26
- d 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