

# SOUTH-CENTRAL ALASKA

## 15281500 CAMP CREEK NEAR SHEEP MOUNTAIN LODGE

LOCATION.--Lat 61°50'20", long 147°24'31", in SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 11, T. 20 N., R. 11 E. (Anchorage D-2 quad), Matanuska-Susitna Borough, Hydrologic Unit 19020402, on left bank 5 ft downstream from culvert on old alignment (1/2 mile upstream from new alignment) Glenn Highway, and 3.5 mi northeast of Sheep Mountain Lodge.

DRAINAGE AREA.--1.09 mi<sup>2</sup>

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1968-69, 1971, 1989-95. October 1995 to September 2004 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,950 ft above sea level, from topographic map. Prior to 1971 crest-stage gage at site above culvert at different datum, June 2, 1989 to September 30, 1995, crest-stage gage at same site and datum.

REMARKS.--Records are poor. GOES satellite telemetry at station. Rain gauge 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	0.27	e0.19	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	2.1	0.14	0.46	0.39
2	0.25	e0.19	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.7	0.12	0.47	0.46
3	0.27	e0.19	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.5	0.16	0.46	0.89
4	0.26	e0.19	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.3	0.16	0.45	0.97
5	0.29	e0.18	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.2	0.42	0.39	0.95
6	0.29	e0.18	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.1	1.3	0.35	0.94
7	0.29	e0.18	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.2	1.2	0.34	0.95
8	0.29	e0.18	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.2	1.0	0.32	0.91
9	0.28	e0.17	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	1.2	1.0	0.30	0.87
10	0.27	e0.17	e0.05	e0.00	e0.00	e0.00	e0.00	e0.10	1.1	0.93	0.28	0.83
11	0.26	e0.16	e0.05	e0.00	e0.00	e0.00	e0.00	e0.15	1.1	0.85	0.28	0.81
12	0.25	e0.15	e0.05	e0.00	e0.00	e0.00	e0.00	e0.30	1.1	0.82	0.28	0.76
13	0.24	e0.14	e0.05	e0.00	e0.00	e0.00	e0.00	e0.45	1.1	0.77	0.26	0.79
14	e0.23	e0.13	e0.05	e0.00	e0.00	e0.00	e0.00	e0.70	1.0	0.65	0.24	0.76
15	e0.23	e0.12	e0.05	e0.00	e0.00	e0.00	e0.00	e1.0	0.91	0.48	0.25	0.80
16	e0.23	e0.11	e0.05	e0.00	e0.00	e0.00	e0.00	e1.3	0.84	0.43	0.25	0.79
17	e0.23	e0.10	e0.05	e0.00	e0.00	e0.00	e0.00	e1.6	0.75	0.40	0.24	0.80
18	e0.22	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	e1.9	0.58	0.41	0.24	0.78
19	e0.22	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	e2.7	0.42	0.38	0.25	0.77
20	e0.22	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	3.3	0.29	0.53	0.27	0.77
21	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	3.3	0.26	0.45	0.25	0.83
22	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	3.3	0.23	0.44	0.23	0.90
23	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	2.2	0.22	0.46	0.22	0.96
24	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	1.8	0.21	0.45	0.23	1.1
25	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	2.0	0.20	0.45	0.40	0.98
26	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	3.4	0.18	0.43	0.42	0.86
27	e0.21	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	4.2	0.15	0.43	0.43	0.63
28	e0.20	e0.05	e0.00	e0.00	e0.00	e0.00	e0.00	3.3	0.14	0.45	0.41	0.57
29	e0.20	e0.05	e0.00	e0.00	e0.00	e0.00	e0.05	2.1	0.14	0.40	0.47	0.54
30	e0.20	e0.05	e0.00	e0.00	---	e0.00	e0.05	1.8	0.14	0.51	0.41	0.66
31	e0.20	---	e0.00	e0.00	---	e0.00	---	2.2	---	0.46	0.38	---
TOTAL	7.36	3.38	0.85	0.00	0.00	0.00	0.10	43.55	23.56	17.08	10.23	24.02
MEAN	0.24	0.11	0.03	0.00	0.00	0.00	0.00	1.40	0.79	0.55	0.33	0.80
MAX	0.29	0.19	0.05	0.00	0.00	0.00	0.05	4.2	2.1	1.3	0.47	1.1
MIN	0.20	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.14	0.12	0.22	0.39
AC-FT	15	6.7	1.7	0.00	0.00	0.00	0.2	86	47	34	20	48
CFSM	0.22	0.10	0.03	0.00	0.00	0.00	0.00	1.29	0.72	0.51	0.30	0.73
IN.	0.25	0.12	0.03	0.00	0.00	0.00	0.00	1.49	0.80	0.58	0.35	0.82

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)#

MEAN	0.46	0.21	0.08	0.01	0.00	0.00	0.01	0.93	3.35	1.44	1.12	1.01
MAX	1.12	0.65	0.39	0.04	0.01	0.01	0.06	1.55	8.58	2.97	3.58	2.63
(WY)	1998	1998	1998	1999	2003	2003	1996	1998	2001	2001	1997	2000
MIN	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.56	0.22	0.32	0.37
(WY)	1997	2001	2001	1996	1996	1996	1999	1999	1996	2002	2003	2002

# See Period of Record  
e Estimated

# SOUTH-CENTRAL ALASKA

## 15281500 CAMP CREEK NEAR SHEEP MOUNTAIN LODGE—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004#	
ANNUAL TOTAL	129.12		130.13			
ANNUAL MEAN	0.35		0.36		0.72	
HIGHEST ANNUAL MEAN					1.46	
LOWEST ANNUAL MEAN					0.26	
HIGHEST DAILY MEAN					17	
LOWEST DAILY MEAN	a0.00		b0.00		c0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00		0.00		0.00	
MAXIMUM PEAK FLOW			7.9		d46	
MAXIMUM PEAK STAGE			14.81		15.49	
ANNUAL RUNOFF (AC-FT)	256		258		522	
ANNUAL RUNOFF (CFSM)	0.325		0.326		0.661	
ANNUAL RUNOFF (INCHES)	4.41		4.44		8.98	
10 PERCENT EXCEEDS	0.85		0.99		2.0	
50 PERCENT EXCEEDS	0.16		0.14		0.20	
90 PERCENT EXCEEDS	0.01		0.00		0.00	

# See Period of Record

a Dec. 18 - 31

b Dec. 18 to Apr. 28

c No flow most days during winter

d From rating curve extended above 2 ft<sup>3</sup>/s