

SOUTH-CENTRAL ALASKA

15243900 SNOW RIVER NEAR SEWARD

LOCATION.--Lat 60°17'42", long 149°20'38", in NE¹/₄ SW¹/₄ sec. 6, T. 2 N., R. 1 E. (Seward B-7 quad), Kenai Peninsula Borough, Hydrologic Unit 19020302, on left bank, 0.5 mi below the Alaska Railroad bridge, 3.0 mi upstream from the mouth at Kenai Lake, and 13.5 mi north of Seward.

DRAINAGE AREA.--128 mi² (revision pending).

PERIOD OF RECORD.--August to September of 1970, 1974, 1977 and April 1997 to current year.

GAGE.--Water stage recorder. Elevation of gage is 470 ft above sea level, from topographic map. Prior to April 9, 1998 at site 0.5 mi upstream at different datum.

REMARKS.--Record poor. Rain gage at station. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Glacier-dammed lake outburst flood about August 31, 1967, 55,000 ft³/s from rating curve extended above 27,000 ft³/s, gage-height 42.60 ft from floodmarks, site and datum then in use.

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	5940	1050	e150	e110	e80	e95	e75	789	1560	3020	2590	1990
2	5700	1100	e180	e95	e80	e95	103	914	1530	2870	2900	2420
3	7880	1100	e160	e95	e80	e95	112	829	1590	2720	2990	2520
4	5360	1110	e150	e95	e80	e95	108	785	1680	2870	2930	2020
5	5100	1140	e140	e95	e80	e90	108	883	1750	2740	2670	1600
6	7650	1210	e140	e95	e75	e90	133	978	1850	2570	2540	1440
7	6950	1340	e140	e100	e75	e85	187	1000	2120	3130	2720	1340
8	4410	1510	e150	e110	e75	e85	189	955	2080	3290	2840	1220
9	3480	1800	e160	e100	e75	e100	240	864	1910	3300	2950	1150
10	3830	2400	e170	e95	e80	e100	215	833	1690	3090	2920	1140
11	2080	3200	e150	e90	e80	e90	191	887	1710	3060	2980	1060
12	1720	4260	e130	e90	e90	e90	180	974	1810	3100	2800	1010
13	1530	6220	e120	e90	e90	e90	175	1010	1710	2990	2710	1000
14	1430	8940	e120	e90	e90	e85	173	980	1710	2860	2620	885
15	1490	e12700	e120	e90	e90	e85	182	950	1770	2820	2820	760
16	1350	e14600	e120	e85	e90	e85	198	928	2670	2750	2990	680
17	1230	5140	e120	e85	e85	e85	210	934	4650	2830	3380	622
18	1140	1640	e120	e85	e85	e90	210	885	3950	3090	3320	568
19	1170	992	e110	e85	e85	e95	208	1040	3510	3540	3340	545
20	1120	915	e110	e85	e85	e95	209	1430	3330	3270	3350	638
21	1040	375	e110	e90	e90	e95	215	1710	3190	2990	2860	934
22	1050	320	e110	e85	e100	e95	242	1840	3110	3850	2940	855
23	1070	e200	e110	e85	e95	e90	254	2080	3030	4260	3960	1180
24	1160	e190	e110	e85	e90	e90	255	2390	3030	3340	4030	878
25	1440	e180	e110	e85	e90	e90	275	2560	2980	2840	2770	736
26	1820	e170	e110	e80	e90	e85	310	2120	3190	3740	2770	2660
27	1550	e160	e120	e80	e90	e85	339	1960	3200	4610	2680	1720
28	1320	e155	e130	e80	e90	e85	356	1780	3090	3990	2320	1150
29	1170	e150	e120	e80	e90	e85	376	1620	2860	3200	2010	1040
30	1090	e150	e110	e80	---	e80	434	1570	2960	2780	2010	1430
31	1050	---	e110	e80	---	e70	---	1560	---	2540	2030	---
TOTAL	84320	74417	4010	2775	2475	2770	6462	40038	75220	98050	88740	37191
MEAN	2720	2481	129	89.5	85.3	89.4	215	1292	2507	3163	2863	1240
MAX	7880	14600	180	110	100	100	434	2560	4650	4610	4030	2660
MIN	1040	150	110	80	75	70	75	785	1530	2540	2010	545
AC-FT	167200	147600	7950	5500	4910	5490	12820	79420	149200	194500	176000	73770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)#

MEAN	1396	901	338	205	159	102	173	875	2281	3168	2980	2832
MAX	2720	2481	713	524	444	220	277	1412	2714	3281	5598	6294
(WY)	2004	2004	2003	2001	2003	1998	1998	2002	2002	1998	1977	1974
MIN	279	163	87.3	57.0	42.0	39.2	81.8	491	1780	2866	1764	1157
(WY)	1998	2002	1999	1999	1999	1999	1999	2001	1999	1999	1998	2000

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1970 - 2004#

ANNUAL TOTAL	498467	516468										
ANNUAL MEAN	1366	1411							1210			
HIGHEST ANNUAL MEAN									1412			2001
LOWEST ANNUAL MEAN									965			2000
HIGHEST DAILY MEAN	ae14600	Nov 16	a14600	Nov 16	a23800	Sep 20	1974					
LOWEST DAILY MEAN	85	Apr 3	70	Mar 3	b36	Mar 3	1999					
ANNUAL SEVEN-DAY MINIMUM	85	Apr 3	77	Feb 3	37	Feb 26	1999					
MAXIMUM PEAK FLOW			15200	Nov 16	a26400	Sep 20	1974					
MAXIMUM PEAK STAGE			14.07	Nov 16	c40.75	Sep 20	1974					
INSTANTANEOUS LOW FLOW			d		36	Mar 3	1999					
ANNUAL RUNOFF (AC-FT)	988700	1024000			876900							
10 PERCENT EXCEEDS	3350	3220			3140							
50 PERCENT EXCEEDS	627	931			478							
90 PERCENT EXCEEDS	100	85			80							

- # See Period of Record, partial years used in monthly summary statistic
- a Result of release of stored water from glacier-dammed lake
- b Mar. 3 and Mar. 4, 1999
- c Site and datum then in use
- d Not determined, see lowest daily mean
- e Estimated