

SOUTH-CENTRAL ALASKA

15243900 SNOW RIVER NEAR SEWARD

LOCATION.--Lat 60°17'42", long 149°20'38", in NE¼ SW¼ 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 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1550	208	401	e140	e95	e65	67	1050	1610	2490	2070	2840
2	2220	173	366	e140	e95	73	70	971	1450	2390	2180	1260
3	4510	230	314	e140	e95	62	65	880	1350	2280	3130	1260
4	3790	222	322	e160	e95	60	62	840	1390	2220	3290	1990
5	2610	233	293	e150	e95	61	64	838	1590	2260	2850	2400
6	1810	163	261	e150	e95	63	121	832	1610	2440	2560	2580
7	1340	228	235	e130	e95	69	127	891	1740	2380	2570	2210
8	1040	223	204	e110	e90	99	113	906	1950	2420	2640	1740
9	892	205	181	e110	e90	126	107	989	2450	2550	2650	1810
10	828	900	172	e120	e90	259	109	1080	3170	2520	2710	2360
11	701	820	173	e120	e90	402	112	1090	2860	2450	2880	1840
12	1090	536	151	e120	e90	295	116	1750	2500	2460	2940	1920
13	e1000	450	157	e120	e90	296	118	2180	2220	2730	2750	1580
14	e1150	376	144	e120	e120	243	124	2680	2050	3350	2550	1400
15	972	321	138	e120	e110	190	127	2080	2130	3070	2450	1330
16	766	292	151	e100	e100	166	131	1610	2310	2860	2350	1970
17	648	265	166	e95	e95	144	133	1340	2660	2840	2410	2710
18	570	248	288	e95	e90	136	145	1260	3060	2550	2850	2190
19	553	254	296	e95	e90	126	158	1210	2890	2550	2670	1680
20	548	259	233	e95	e80	114	235	1240	2470	2510	2650	1460
21	613	231	218	e95	e80	96	302	1270	2260	2590	2420	1210
22	918	219	232	e110	e80	95	873	1350	2140	2210	2070	1250
23	558	213	262	e120	e80	91	838	1330	1920	2140	2720	1520
24	363	232	e200	e100	e70	86	740	1380	1960	2270	2640	2200
25	304	220	e160	e100	e70	83	740	1290	1990	3210	2050	1480
26	285	178	e150	e100	e70	80	851	1380	2040	3580	1850	1150
27	281	209	e140	e100	e65	78	934	2130	2150	3540	1790	2280
28	277	771	e140	e100	e70	76	1050	2530	2250	3020	1700	2390
29	272	513	e140	e100	---	75	1220	2700	2410	2260	1620	1850
30	246	387	e140	e95	---	76	1180	2270	2480	1910	1590	1350
31	214	---	e140	e95	---	71	---	1850	---	2050	2290	---
TOTAL	32919	9779	6568	3545	2475	3956	11032	45197	65060	80100	75890	55210
MEAN	1062	326	212	114	88.4	128	368	1458	2169	2584	2448	1840
MAX	4510	900	401	160	120	402	1220	2700	3170	3580	3290	2840
MIN	214	163	138	95	65	60	62	832	1350	1910	1590	1150
AC-FT	65290	19400	13030	7030	4910	7850	21880	89650	129000	158900	150500	109500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)#

MEAN	1354	829	322	193	150	105	195	940	2269	3103	2932	2742
MAX	2720	2481	713	524	444	220	368	1458	2714	3281	5598	6294
(WY)	2004	2004	2003	2001	2003	1998	2005	2005	2002	1998	1977	1974
MIN	279	163	87.3	57.0	42.0	39.2	81.8	491	1780	2584	1764	1157
(WY)	1998	2002	1999	1999	1999	1999	1999	2001	1999	2005	1998	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005#	
ANNUAL TOTAL	402987		391731			
ANNUAL MEAN	1101		1073		1193	
HIGHEST ANNUAL MEAN					1412	
LOWEST ANNUAL MEAN					965	
HIGHEST DAILY MEAN	4650	Jun 17	4510	Oct 3	a23800	Sep 20 1974
LOWEST DAILY MEAN	70	Mar 31	60	Mar 4	b36	Mar 3 1999
ANNUAL SEVEN-DAY MINIMUM	77	Feb 3	65	Mar 1	37	Feb 26 1999
MAXIMUM PEAK FLOW			6780	Sep 1	a26400	Sep 20 1974
MAXIMUM PEAK STAGE			d11.00	Sep 1	c40.75	Sep 20 1974
INSTANTANEOUS LOW FLOW			f		36	Mar 3 1999
ANNUAL RUNOFF (AC-FT)	799300		777000		864500	
10 PERCENT EXCEEDS	3000		2580		3060	
50 PERCENT EXCEEDS	418		648		490	
90 PERCENT EXCEEDS	85		90		80	

- # See Period of Record; partial years used in monthly 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 From crest-stage gage
- f Not determined, see lowest daily mean
- e Estimated