

SOUTH-CENTRAL ALASKA

15266110 KENAI RIVER BELOW SKILAK LAKE OUTLET NEAR STERLING

LOCATION.--Lat 60°28'00", long 150°35'56", in SW¹/₄ NW¹/₄ sec. 1, T. 4 N., R. 8 W. (Kenai B-2 quad), Kenai Peninsula Borough, Hydrologic Unit 19020302, on right bank, 3.5 mi downstream from Skilak Lake, 7 mi southeast of Sterling.

DRAINAGE AREA.--1,206 mi².

PERIOD OF RECORD.--June 1997 to current year.

REVISED RECORDS.-- WRD-AK-00-1: Drainage area.

GAGE.--Water stage recorder. Elevation of gage is 240 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Rain gage recorder at station. GOES satellite telemetry and phone modem at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4090	7840	2420	1650	e1250	1030	989	1490	7470	11300	12300	9900
2	4180	6820	2370	1640	e1250	1020	980	1610	7750	11300	12000	9520
3	4500	6040	2400	e1640	e1250	1010	965	1740	7820	11400	11800	9200
4	5070	5420	2370	1650	e1240	1010	961	1890	7790	11300	e11800	8980
5	5850	4890	2350	1640	e1240	1020	968	2090	7760	11300	e11800	8810
6	6720	4430	2320	1630	e1230	998	997	2170	7750	11300	e11700	8930
7	7380	4080	2320	1620	e1230	996	995	2230	7900	11300	e11700	9160
8	7790	3850	2300	1590	1220	994	977	2340	7870	11500	e11700	9340
9	8000	3860	2250	1570	1200	994	948	2460	7900	11400	e11600	9650
10	7870	3590	2200	1550	1180	988	943	2620	8010	11600	e11600	9810
11	7820	3310	2170	e1550	e1140	1050	935	2750	8310	11800	e11600	10200
12	7610	3250	2140	e1550	e1140	1050	939	2890	8600	12100	e11500	10400
13	7440	3180	2120	e1530	e1140	1060	935	3040	8910	12300	11500	10600
14	7270	3100	2090	e1510	1180	1090	928	3280	9220	12400	11400	10500
15	7160	3050	2040	1480	1190	1090	924	3570	9450	12400	11500	10400
16	7020	2980	2040	1450	e1150	1100	918	3940	9700	12700	11400	10300
17	6810	2930	2040	e1450	1150	1090	905	4290	9910	12900	11700	10300
18	6570	2930	2000	e1450	1140	1080	900	4600	10300	13000	11600	10400
19	6410	2910	1960	e1430	1140	1080	897	4870	10800	13100	11700	10300
20	6310	2830	1920	e1410	1140	1070	914	5040	11100	13100	11600	10100
21	6170	2750	1900	1380	1120	1070	960	5200	11300	13200	11600	9920
22	6220	2760	e1920	1370	1120	1090	966	5360	11400	13000	11600	9750
23	6540	2600	1880	1350	1120	1050	873	5490	11300	12800	11700	9620
24	7090	2540	1870	1340	1090	1060	915	5600	11200	12800	11200	9400
25	8030	2470	1810	1340	1080	1060	939	5720	11100	12700	11200	9410
26	9510	2430	1790	1330	1070	1030	984	5850	11100	12800	11300	9340
27	11600	2500	1800	e1320	1060	1030	1040	6030	11000	12700	11200	9090
28	13100	2380	1770	e1300	1040	997	1110	6140	11000	12800	11100	8940
29	12300	2370	1730	e1280	---	996	1250	6450	11200	12800	10900	8790
30	10600	2350	1690	e1260	---	1010	1370	6770	11200	12700	10400	8700
31	9170	---	1670	1260	---	985	---	7110	---	12400	9860	---
TOTAL	232200	106440	63650	45520	32500	32198	29325	124630	286120	380200	355560	289760
MEAN	7490	3548	2053	1468	1161	1039	978	4020	9537	12260	11470	9659
MAX	13100	7840	2420	1650	1250	1100	1370	7110	11400	13200	12300	10600
MIN	4090	2350	1670	1260	1040	985	873	1490	7470	11300	9860	8700
AC-FT	460600	211100	126200	90290	64460	63860	58170	247200	567500	754100	705300	574700
CFSM	6.21	2.94	1.70	1.22	0.96	0.86	0.81	3.33	7.91	10.2	9.51	8.01
IN.	7.16	3.28	1.96	1.40	1.00	0.99	0.90	3.84	8.83	11.73	10.97	8.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004	2005			
MEAN	6980	4601	2559	1799	1544	1163	1095	3005	8543	13050	11910	9327
MAX	9623	14170	7548	2960	2773	1867	1321	5158	10300	15400	13600	13860
(WY)	2004	2003	2003	2001	2003	2003	2004	2004	2004	2001	2001	2001
MIN	3937	2106	1387	1164	891	870	888	2210	6156	11960	10310	5659
(WY)	2001	2002	2002	1999	1998	1998	2002	2001	1997	1999	1998	2000

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	FOR WATER YEARS 1997 - 2005#
ANNUAL TOTAL	2011672	1978103	
ANNUAL MEAN	5496	5419	5485
HIGHEST ANNUAL MEAN			6742
LOWEST ANNUAL MEAN			4742
HIGHEST DAILY MEAN	16100	Jul 30	13200
LOWEST DAILY MEAN	990	Mar 30	873
ANNUAL SEVEN-DAY MINIMUM	999	Mar 29	912
MAXIMUM PEAK FLOW			13500
MAXIMUM PEAK STAGE		11.79	Jul 21
INSTANTANEOUS LOW FLOW		a843	Apr 21
ANNUAL RUNOFF (AC-FT)	3990000	3924000	3974000
ANNUAL RUNOFF (CFSM)	4.56	4.49	4.55
ANNUAL RUNOFF (INCHES)	62.05	61.02	61.80
10 PERCENT EXCEEDS	13200	11600	12800
50 PERCENT EXCEEDS	3770	3250	3200
90 PERCENT EXCEEDS	1100	1010	1070

See Period of Record; partial year was used in monthly statistics

a Also occurred Apr. 23

b Mar. 12 and 13, 1998 and Apr. 20, 2002

e Estimated