

# SOUTH-CENTRAL ALASKA

## 15266110 KENAI RIVER BELOW SKILAK LAKE OUTLET NEAR STERLING

LOCATION.--Lat 60°28'00", long 150°35'56", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

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

### WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4030	4000	3320	1550	e1300	e1100	995	1890	8140	14300	15400	10400
2	4610	3860	3100	1510	e1300	e1100	1010	1990	8070	14100	14800	10300
3	6490	3730	2930	1540	1250	e1100	1000	2090	7880	14000	14500	10200
4	8990	3610	2800	1460	1120	e1100	e1000	2230	7660	14200	13900	10000
5	10900	3480	2650	1450	1100	e1100	1050	2400	7510	14000	13600	9720
6	12700	3400	2520	e1350	1110	e1100	e1080	2600	7470	13800	13300	9270
7	14800	3310	2400	e1350	1110	e1100	1090	2850	7500	13300	12800	8860
8	16600	3230	2330	e1350	1110	e1100	1120	3140	7590	13200	12500	8400
9	17700	3130	2400	e1350	1110	e1100	1160	3430	7740	13000	12300	7790
10	17800	3100	2460	e1350	e1100	e1100	1170	3760	8000	13100	12100	7270
11	17200	3040	2400	e1350	e1100	e1100	1170	4070	8000	13200	12000	6860
12	16200	3010	2270	e1300	e1100	e1100	1200	4310	8050	13100	11900	6450
13	15100	3030	2220	e1300	e1100	e1100	1210	4570	7960	13100	11800	6100
14	13900	3080	2180	e1300	e1100	e1100	1230	4840	8000	13300	11600	e6000
15	12700	3290	2130	e1300	e1100	e1100	1260	5140	8300	13500	11500	e5800
16	11600	3810	2040	e1300	e1100	e1100	1290	5420	8590	13400	11300	e5500
17	10600	4660	1980	e1200	e1100	e1100	1350	5550	8920	13400	11200	e5200
18	9700	5460	1940	e1200	e1100	1110	1400	5660	9540	13600	11300	5110
19	8880	5930	1880	e1200	e1100	1100	1400	5800	10600	13000	11400	4880
20	8130	6100	1830	e1200	e1100	1080	1420	5910	11900	13100	11600	4650
21	7430	6090	1780	e1300	e1100	1070	1450	6040	12700	13300	11600	4400
22	6810	5930	1790	e1300	e1100	1070	1480	6220	13600	13000	11600	4280
23	6280	5640	1750	e1300	e1100	1060	1500	6620	13800	13100	11700	4150
24	5840	5350	1740	e1300	e1100	1050	1530	7030	14100	13300	11700	3960
25	5500	4970	1730	e1300	e1100	1030	1550	7430	14300	13700	11800	3830
26	5220	4610	1760	e1300	e1100	1010	1590	7790	14400	13900	11800	3840
27	4940	4310	1610	e1300	e1100	1020	e1650	8020	14500	14400	11900	3790
28	4700	4010	1640	e1300	e1100	1010	e1700	8280	14800	15100	11800	3780
29	4490	3730	1650	e1300	e1100	1000	e1750	8330	14700	15800	11500	3860
30	4300	3540	1610	e1300	---	990	1820	8290	14600	16100	11100	3960
31	4170	---	1590	e1300	---	997	---	8210	---	15900	10700	---
TOTAL	298310	124440	66430	41210	32510	33297	39625	159910	308920	427300	378000	188610
MEAN	9623	4148	2143	1329	1121	1074	1321	5158	10300	13780	12190	6287
MAX	17800	6100	3320	1550	1300	1110	1820	8330	14800	16100	15400	10400
MIN	4030	3010	1590	1200	1100	990	995	1890	7470	13000	10700	3780
AC-FT	591700	246800	131800	81740	64480	66040	78600	317200	612700	847500	749800	374100
CFSM	7.98	3.44	1.78	1.10	0.93	0.89	1.10	4.28	8.54	11.4	10.1	5.21
IN.	9.20	3.84	2.05	1.27	1.00	1.03	1.22	4.93	9.53	13.18	11.66	5.82

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)#

MEAN	6907	4751	2631	1846	1598	1180	1112	2860	8419	13140	11970	9285
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 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1997 - 2004#

ANNUAL TOTAL	2004350	2098562		
ANNUAL MEAN	5491	5734		
HIGHEST ANNUAL MEAN			5495	
LOWEST ANNUAL MEAN			6742	2003
HIGHEST DAILY MEAN	17800	Oct 10	17800	Oct 10
LOWEST DAILY MEAN	a1090	Apr 19	990	Mar 30
ANNUAL SEVEN-DAY MINIMUM	1110	Apr 19	999	Mar 29
MAXIMUM PEAK FLOW			18400	Oct 10
MAXIMUM PEAK STAGE			13.27	Oct 10
INSTANTANEOUS LOW FLOW			957	Apr 2
ANNUAL RUNOFF (AC-FT)	3976000	4162000	3981000	
ANNUAL RUNOFF (CFSM)	4.55	4.75	4.56	
ANNUAL RUNOFF (INCHES)	61.83	64.73	61.91	
10 PERCENT EXCEEDS	12700	13500	13000	
50 PERCENT EXCEEDS	3290	3860	3190	
90 PERCENT EXCEEDS	1450	1100	1080	

# See Period of Record, partial year used in monthly statistics

a Apr. 19 and 23

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

e Estimated