

SOUTH-CENTRAL ALASKA

15266150 KENAI RIVER BELOW MOUTH OF KILLEY RIVER NEAR STERLING

LOCATION.--Lat 60°29'28", long 150°37'50", in NW¹/₄ SW¹/₄ SE¹/₄ sec. 26, T. 5 N., R. 8 W. (Kenai B-2 quad), Kenai Peninsula Borough, Hydrologic Unit 19020302, on right bank, 1.5 mi downstream from Killey River, 4.5 mi southeast of Sterling.

DRAINAGE AREA.--1,496 mi².

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

GAGE.--Water stage recorder. Elevation of gage is 230 ft above sea level, from topographic map.

REMARKS.--Record is good except for estimated daily discharges, which are poor. GOES satellite telemetry and phone modem at station.

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	5100	8000	2650	1860	e1400	e970	1130	2150	8860	12500	13900	10200
2	5090	6950	2590	1850	e1380	e980	1120	2270	9060	12500	13700	9960
3	6100	6300	2580	e1890	e1360	e980	1110	2390	9040	12400	13400	9740
4	6870	5680	2470	1890	1320	e980	1110	2520	8970	12400	13200	9730
5	7370	5100	2440	1860	e1320	e980	1110	2720	9020	12400	13100	9670
6	7710	4580	2420	1840	e1320	e980	1140	2830	9100	12400	13000	9850
7	8090	4210	2430	1800	e1320	e980	1150	2920	9300	12700	13000	10000
8	8330	4000	2430	1770	e1300	e980	1150	3080	9360	12700	12900	10000
9	8490	4000	2380	1740	e1300	e980	1140	3260	9470	12700	13000	10300
10	8370	3820	2340	1710	e1280	1090	1140	3450	9620	12900	12900	10900
11	8280	3580	2300	e1710	e1280	1140	1140	3650	9900	13000	12900	11000
12	8200	3570	2280	e1690	e1280	1150	1140	3880	10100	13300	12900	11100
13	8060	3480	2290	e1670	e1260	1180	1140	4250	10300	13700	12800	11200
14	7870	3370	2260	e1650	e1260	1200	1140	4660	10500	13800	12800	11000
15	7680	3240	2220	1630	e1260	1210	1150	4990	10800	13800	12700	10800
16	7530	3170	2220	1580	e1240	1210	1150	5270	11200	14200	12500	10800
17	7340	3120	2240	e1580	e1240	1210	1140	5550	11500	14400	12600	10800
18	7080	3120	2210	e1580	e1150	1200	1130	5850	12000	14400	12600	10700
19	6950	3080	2190	e1560	e1150	1200	1140	6100	12700	14600	12500	10600
20	6850	3000	2140	e1540	e1150	1190	1190	6310	12800	14700	12300	10400
21	6730	2900	2100	1520	e1100	1180	1240	6490	12700	14600	12300	10200
22	6750	2920	2230	1480	e1100	1180	1300	6710	12800	14700	12300	9950
23	7050	2770	2100	1460	e1100	1170	1290	6850	12600	14400	12500	9870
24	7550	2720	2080	1450	e1100	1170	1370	6990	12400	14300	12300	9880
25	8360	2630	1990	1440	e1100	1170	1430	7110	12200	14300	12200	9740
26	9730	2590	1960	e1440	e1100	1150	1470	7200	12100	14600	12200	9570
27	11700	2650	1980	e1440	e1050	1160	1560	7510	12100	14400	11900	9350
28	13200	2570	1960	e1440	e1050	1140	1670	7840	12200	14600	11600	9520
29	12400	2610	1930	e1420	---	1140	1800	8250	12300	14500	11400	9260
30	10800	2590	1930	e1420	---	1130	2050	8430	12400	14200	11000	9050
31	9310	---	1860	e1400	---	1120	---	8600	---	13900	10500	---
TOTAL	250940	112320	69200	50310	34270	34500	37940	160080	327400	424000	388900	305140
MEAN	8095	3744	2232	1623	1224	1113	1265	5164	10910	13680	12550	10170
MAX	13200	8000	2650	1890	1400	1210	2050	8600	12800	14700	13900	11200
MIN	5090	2570	1860	1400	1050	970	1110	2150	8860	12400	10500	9050
AC-FT	497700	222800	137300	99790	67970	68430	75250	317500	649400	841000	771400	605200
CFSM	5.41	2.50	1.49	1.08	0.82	0.74	0.85	3.45	7.30	9.14	8.39	6.80
IN.	6.24	2.79	1.72	1.25	0.85	0.86	0.94	3.98	8.14	10.54	9.67	7.59

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

	1997	1998	1999	2000	2001	2002	2003	2004	2005			
MEAN	7678	5150	2844	1917	1626	1238	1281	3620	9849	14520	12940	9811
MAX	11390	17110	8687	3140	3034	1914	1544	6533	11930	18240	15930	14240
(WY)	2004	2003	2003	2001	2003	2003	2004	2004	2004	2001	2001	2001
MIN	4291	2139	1633	1126	989	926	1010	2456	7701	12580	11020	6196
(WY)	2001	2002	2002	1999	1998	1999	1999	1999	1997	1999	1998	2000

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005#

ANNUAL TOTAL	2227840	2195000		
ANNUAL MEAN	6087	6014	6061	
HIGHEST ANNUAL MEAN			7798	2003
LOWEST ANNUAL MEAN			5010	2000
HIGHEST DAILY MEAN	17300	Jul 30	14700	Jul 20
LOWEST DAILY MEAN	b1000	Mar 31	970	Mar 1
ANNUAL SEVEN-DAY MINIMUM	1020	Mar 28	979	Mar 1
MAXIMUM PEAK FLOW			15000	Jul 26
MAXIMUM PEAK STAGE			11.11	Jul 26
ANNUAL RUNOFF (AC-FT)	4419000	4354000	4391000	
ANNUAL RUNOFF (CFSM)	4.07		4.02	4.05
ANNUAL RUNOFF (INCHES)	55.40		54.58	55.04
10 PERCENT EXCEEDS	14300	12800	13900	
50 PERCENT EXCEEDS	4090	3820	3540	
90 PERCENT EXCEEDS	1200	1140	1150	

See Period of Record; partial year was used in monthly statistics.
a Oct. 30 and Nov. 7
b Mar. 31 to Apr. 3
c Apr. 19, 1997 and Apr. 6-7, 1999
e Estimated