

SOUTH-CENTRAL ALASKA

15295700 TERROR RIVER AT MOUTH NEAR KODIAK

LOCATION.--Lat 57°41'41", long 153°09'42", in SW¹/₄ NE¹/₄ sec. 5, T. 29 S., R. 24 W. (Kodiak C-4 quad), Kodiak Island Borough, Hydrologic Unit 19020701, on Kodiak Island, in Kodiak National Wildlife Refuge, on right bank, 0.9 mi upstream from mouth, 7.5 mi downstream from Terror Lake Dam, and 29 mi southwest of Kodiak.

DRAINAGE AREA.--30.7 mi², 45.7 mi² prior to partial diversion of Terror Lake to hydropower plant in February 1985.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1964 to October 1968, October 1981 to current year.

REVISED RECORDS.--WDR AK-84-1: 1982-83. WDR AK-96-1: 1995(M).

GAGE.--Water-stage recorder. Elevation of gage is 30 ft above sea level, from topographic map. Prior to October 1, 1981 at site 0.2 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow from 15 mi² at headwaters regulated by Terror Lake Dam and some flow diverted from Terror Lake to Kizhuyak River. Regulation for construction began in November 1982. Began filling reservoir April 29, 1984. Diversion to hydropower plant began February 12, 1985. GOES satellite telemetry 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	171	129	117	78	87	97	82	301	247	188	194	174
2	229	141	104	78	81	95	85	316	233	199	270	171
3	226	147	87	117	78	91	91	322	221	196	692	165
4	214	137	84	133	78	97	101	277	246	191	356	166
5	237	137	83	104	78	103	110	614	257	192	227	167
6	190	137	82	92	88	139	110	1630	227	211	203	168
7	178	137	77	83	86	201	109	798	302	214	199	162
8	166	130	72	77	81	333	109	444	269	209	200	160
9	165	273	75	70	78	211	113	346	296	205	186	163
10	157	238	71	67	68	273	115	329	382	209	185	162
11	284	184	79	66	70	190	116	333	606	205	180	161
12	318	312	70	79	66	166	118	784	988	237	176	160
13	268	326	65	86	84	165	119	659	456	253	176	158
14	233	216	64	85	122	152	119	698	303	230	176	156
15	212	179	155	91	93	137	117	476	256	214	173	159
16	201	147	202	84	94	123	120	341	256	211	173	159
17	189	123	134	78	94	115	121	279	271	196	176	162
18	180	140	162	75	122	111	126	288	467	200	182	166
19	178	208	121	74	107	107	142	282	255	212	180	159
20	171	166	97	78	119	106	172	326	204	203	178	157
21	166	137	113	213	116	101	273	409	188	198	189	155
22	163	149	284	248	124	97	340	346	200	197	181	156
23	170	186	212	172	120	95	246	308	191	204	179	157
24	166	166	136	142	130	93	250	313	177	232	176	159
25	165	136	116	207	123	92	243	291	203	283	172	156
26	171	124	117	163	116	91	277	267	198	270	167	166
27	165	175	106	134	106	88	309	282	203	251	160	209
28	162	161	81	119	100	85	303	291	308	233	174	210
29	157	133	73	113	---	83	395	297	241	204	179	193
30	147	118	75	115	---	81	396	396	216	199	177	174
31	149	---	80	104	---	81	---	323	---	199	173	---
TOTAL	5948	5092	3394	3425	2709	3999	5327	13366	8867	6645	6409	4990
MEAN	192	170	109	110	96.8	129	178	431	296	214	207	166
MAX	318	326	284	248	130	333	396	1630	988	283	692	210
MIN	147	118	64	66	66	81	82	267	177	188	160	155
AC-FT	11800	10100	6730	6790	5370	7930	10570	26510	17590	13180	12710	9900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2005, BY WATER YEAR (WY)#

MEAN	296	205	151	130	116	102	173	335	481	352	273	274
MAX	722	631	313	267	205	152	247	457	872	1070	662	707
(WY)	2004	2003	1986	2003	2003	1998	1993	2004	1987	1987	1988	1995
MIN	192	93.8	78.4	81.8	72.6	60.9	115	231	296	214	183	166
(WY)	1998	1995	1988	1989	1989	1986	1986	2003	2005	2005	1994	2005

See Period of Record; break in record, and Remarks

SOUTH-CENTRAL ALASKA

15295700 TERROR RIVER AT MOUTH NEAR KODIAK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1986 - 2005#	
ANNUAL TOTAL	78159		70171			
ANNUAL MEAN	214		192		241	
HIGHEST ANNUAL MEAN					369 1987	
LOWEST ANNUAL MEAN					192 2005	
HIGHEST DAILY MEAN	1310	May 24	1630	May 6	4610	Sep 20 1995
LOWEST DAILY MEAN	64	Dec 14	64	Dec 14	a26	Dec 11 1996
ANNUAL SEVEN-DAY MINIMUM	71	Dec 8	71	Dec 8	39	Nov 19 1985
MAXIMUM PEAK FLOW			1750	May 6	b10000	Sep 19 1995
MAXIMUM PEAK STAGE			3.79	May 6	7.67	Sep 19 1995
INSTANTANEOUS LOW FLOW			53	Jan 11	a9.8	Dec 11 1996
ANNUAL RUNOFF (AC-FT)	155000		139200		174700	
10 PERCENT EXCEEDS	408		308		458	
50 PERCENT EXCEEDS	172		166		184	
90 PERCENT EXCEEDS	86		83		86	

PRIOR TO CONSTRUCTION OF TERROR LAKE DAM

SUMMARY STATISTICS, WATER YEARS 1965 - 1983

ANNUAL MEAN	293	
HIGHEST ANNUAL MEAN	421	1983
LOWEST ANNUAL MEAN	230	1967
HIGHEST DAILY MEAN	2600	Oct 2 1965
LOWEST DAILY MEAN	c19	Feb 23 1967
ANNUAL SEVEN-DAY MINIMUM	20	Feb 23 1967
INSTANTANEOUS PEAK FLOW	3820	Sep 26 1966
INSTANTANEOUS PEAK STAGE	d6.48	Sep 26 1966
INSTANTANEOUS PEAK STAGE	f7.54	Mar 28 1964
ANNUAL RUNOFF (AC-FT)	212200	
ANNUAL RUNOFF (CFSM)	9.54	
ANNUAL RUNOFF (IN)	129.66	
10 PERCENT EXCEEDS	774	
50 PERCENT EXCEEDS	157	
90 PERCENT EXCEEDS	39	

- # See Period of Record; break in record, and Remarks
a Occurred while dam release valve was closed for repair
b From rating curve extended above 960 ft³/s on basis of slope-area measurement of peak flow
c Feb. 23 and Mar. 1, 1967
d Site and datum then in use
f Site and datum then in use; from tidal wave