15280200 EKLUTNA RIVER AT OLD GLENN HIGHWAY AT EKLUTNA

LOCATION.--Lat 61°27′01″, long 149°22′02″, in NE¼ SW¼ NE¼ sec. 25, T. 16 N., R. 1 W. (Anchorage B-7 quad), Municipality of Anchorage, Hydrologic Unit 19020402, on right bank, 1.3 mi upstream from mouth, 0.7 mi south of Eklutna.

DRAINAGE AREA.--172 mi^2.

PERIOD OF RECORD.--May 1 2002 to current year

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records are fair except for Apr. 15 to May 9, May 20 to Aug. 24, and estimated daily discharges, which are poor. Flow regulated by Eklutna Reservoir, 11 mi upstream, for power generation and water supply. 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	115	43	32	e23	e12	10	14	110	126	119	117	60
2	110	e30	32	e23	e12	12	13	126	121	135	137	60
3	115	e24	e26	e22	e12	13	13	110	116	128	163	61
4	108	e21	e17	e22	e12	12	12	102	116	124	142	61
5	114	e18	e13	e23	e11	12	13	90	118	126	104	61
6	108	e15	e19	e23	e11	10	13	85	121	130	92	64
7	104	e10	e31	e21	e11	11	15	84	124	127	88	63
8	95	e18	e34	e19	e11	12	16	87	130	135	84	61
9	89	e30	e32	e19	e12	12	17	76	136	132	93	63
10	87	e42	e31	e18	e13	14	16	61	157	124	85	75
11	80	e44	e30	e18	e13	14	16	64	161	92	67	74
12	73	e39	e30	e17	e14	13	16	68	165	92	59	82
13	70	e35	e29	e17	e15	17	18	73	170	76	68	85
14	62	e33	e29	e17	e15	20	16	78	176	75	52	84
15	61	e31	e28	e16	e16	17	22	79	168	86	53	84
16	66	e29	e28	e16	15	19	30	79	188	69	59	85
17	67	e30	e27	e16	14	17	28	78	203	82	47	85
18	60	e31	e27	e16	12	12	25	81	199	78	61	84
19	55	32	e27	e15	15	12	25	83	199	72	58	81
20	56	31	15	e15	14	12	31	75	199	63	54	78
21	57	31	e17	e15	14	e10	34	83	163	66	44	72
22	53	31	e25	e15	14	e11	52	95	154	80	42	72
23	57	32	21	e14	12	12	79	110	142	74	48	76
24	54	32	e18	e14	13	12	66	115	133	71	e51	85
25	51	29	e22	e14	13	13	52	111	139	72	59	80
26	59	28	e26	13	13	14	77	116	134	72	62	85
27	57	33	e26	13	13	14	68	126	124	76	64	91
28	56	34	e25	e13	9.7	13	73	138	109	72	64	92
29	54	31	e25	e13	---	12	92	139	102	68	66	89
30	49	30	e24	e13	---	18	99	135	98	71	64	86
31	46	---	e24	e12	---	15	---	132	---	123	62	---
TOTAL	2288	897	790	525	361.7	415	1061	2989	4391	2910	2309	2279
MEAN	73.8	29.9	25.5	16.9	12.9	13.4	35.4	96.4	146	93.9	74.5	76.0
MAX	115	44	34	23	16	20	99	139	203	135	163	92
MIN	46	10	13	12	9.7	10	12	61	98	63	42	60
AC-FT	4540	1780	1570	1040	717	823	2100	5930	8710	5770	4580	4520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)#

MEAN	59.7	32.2	22.0	18.0	16.0	13.5	25.0	55.0	94.1	64.0	51.7	53.4
MAX	73.8	43.3	25.5	21.3	22.1	15.7	35.4	96.4	146	93.9	74.5	76.0
(WY)	2005	2003	2005	2003	2003	2003	2005	2005	2005	2005	2005	2005
MIN	39.2	23.4	17.2	15.7	12.9	11.5	17.9	21.0	71.9	41.9	29.4	30.3
(WY)	2004	2004	2004	2004	2005	2004	2004	2003	2003	2004	2004	2003

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005#	
ANNUAL TOTAL	13202		21215.7			
ANNUAL MEAN	36.1		58.1		42.3	
HIGHEST ANNUAL MEAN					58.1	2005
LOWEST ANNUAL MEAN					31.9	2004
HIGHEST DAILY MEAN	115	Oct 1	203	Jun 17	203	Jun 17 2005
LOWEST DAILY MEAN	10	Nov 7	9.7	Feb 28	6.0	Nov 16 2003
ANNUAL SEVEN-DAY MINIMUM	11	Mar 17	11	Feb 28	11	Mar 17 2004
MAXIMUM PEAK FLOW			231	Jun 17	231	Jun 17 2005
MAXIMUM PEAK STAGE			86.23	Jun 17	86.23	Jun 17 2005
MAXIMUM PEAK STAGE			a87.50	Jan 4	a87.50	Jan 4 2005
ANNUAL RUNOFF (AC-FT)	26190		42080		30670	
10 PERCENT EXCEEDS	78		125		86	
50 PERCENT EXCEEDS	29		52		29	
90 PERCENT EXCEEDS	12		13		13	

\# See Period of Record; partial year was used in monthly statistics.
a Backwater from ice
e Estimated