

# SOUTHWEST ALASKA

## 15303700 TATALINA RIVER NEAR TAKOTNA

LOCATION.--Lat 62°53'06", long 155°56'22", in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 12, T.32 N., R.36 W. (McGrath D-6 quad), Hydrologic Unit 19030405, at downstream side of bridge on right bank, 1.2 mi southeast of Tatalina Airstrip, and 8.1 mi southeast of Takotna.

DRAINAGE AREA.--76.9 mi<sup>2</sup>.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1987 to current year (no winter record), except May only in 1989, and annual maximum in water year 1991.

GAGE.--Water-stage recorder, non-recording gage, and crest-stage gage. Elevation of gage is 450 ft above sea level, from topographic map. Prior to May 9, 1990 at site 20 ft downstream at same datum.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Precipitation gage and air temperature recorder at station. GOES satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft<sup>3</sup>/s, July 8, 1998, gage-height 10.97 ft; maximum gage height 11.46 ft, 1996, date and time unknown, backwater from ice, discharge not determined; minimum discharge not determined, occurs during winter.

EXTREMES FOR CURRENT PERIOD.--October 2004, April to September 2005: maximum discharge during period, 959 ft<sup>3</sup>/s, May 11, gage height 9.90 ft; minimum discharge not determined, occurs during winter.

#### 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	165	---	---	---	---	---	e60	713	141	88	41	60
2	172	---	---	---	---	---	e60	793	125	82	40	57
3	80	---	---	---	---	---	e60	839	114	79	50	75
4	57	---	---	---	---	---	e60	854	103	90	50	165
5	72	---	---	---	---	---	e60	809	96	106	49	136
6	75	---	---	---	---	---	e60	700	89	96	49	195
7	43	---	---	---	---	---	e60	703	86	80	40	173
8	41	---	---	---	---	---	e60	797	88	70	44	123
9	41	---	---	---	---	---	e60	840	84	76	40	151
10	40	---	---	---	---	---	e65	918	78	75	41	246
11	54	---	---	---	---	---	e60	922	78	73	41	167
12	41	---	---	---	---	---	e60	863	95	62	42	154
13	52	---	---	---	---	---	e65	791	82	63	39	153
14	55	---	---	---	---	---	e70	709	80	61	39	142
15	38	---	---	---	---	---	e75	598	115	53	39	146
16	40	---	---	---	---	---	e60	538	95	71	37	198
17	42	---	---	---	---	---	e60	479	77	89	38	172
18	39	---	---	---	---	---	e60	524	86	90	37	138
19	66	---	---	---	---	---	e60	454	100	69	37	127
20	100	---	---	---	---	---	e65	392	91	56	37	109
21	107	---	---	---	---	---	71	353	79	59	51	104
22	e90	---	---	---	---	---	92	305	75	59	60	119
23	e110	---	---	---	---	---	164	270	87	52	80	285
24	e95	---	---	---	---	---	199	231	82	48	85	307
25	e85	---	---	---	---	---	244	212	73	46	76	242
26	e75	---	---	---	---	---	277	189	63	46	60	226
27	e70	---	---	---	---	---	254	175	60	45	55	197
28	e65	---	---	---	---	---	247	160	54	44	57	173
29	e60	---	---	---	---	---	339	151	52	47	73	157
30	e55	---	---	---	---	---	564	148	66	45	79	148
31	e50	---	---	---	---	---	---	142	---	43	70	---
TOTAL	2175	---	---	---	---	---	3691	16572	2594	2063	1576	4845
MEAN	70.2	---	---	---	---	---	123	535	86.5	66.5	50.8	162
MAX	172	---	---	---	---	---	564	922	141	106	85	307
MIN	38	---	---	---	---	---	60	142	52	43	37	57
AC-FT	4310	---	---	---	---	---	7320	32870	5150	4090	3130	9610
CF5M	0.91	---	---	---	---	---	1.60	6.95	1.12	0.87	0.66	2.10
IN.	1.05	---	---	---	---	---	1.79	8.02	1.25	1.00	0.76	2.34

e Estimated