

SOUTHEAST ALASKA

15055500 ANTLER RIVER BELOW ANTLER LAKE NEAR AUKE BAY

LOCATION.--Lat 58°51'07", long 134°42'31", in NE¹/₄ SE¹/₄ NE¹/₄ sec. 10, T. 35 S., R. 64 E. (Juneau D-3 quad), Hydrologic Unit 19010301, in Tongass National Forest, 200 ft below outlet of Antler Lake, 10 mi northeast of Berners Bay, and located 32 mi northwest of Auke Bay.

DRAINAGE AREA.--26.0 mi², approximately.

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

GAGE.--Water-stage recorder. Elevation of gage is 80 ft above sea level, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	97	29	39	e34	e39	35	128	228	356	192	111
2	193	84	38	35	e32	33	46	165	230	332	168	112
3	173	75	40	32	e31	31	89	182	222	317	166	161
4	169	68	37	29	e29	29	102	195	230	292	165	193
5	164	60	35	27	e32	28	94	186	267	265	168	200
6	150	56	33	25	e35	27	86	172	328	249	175	225
7	147	46	30	24	e47	28	79	165	433	232	178	204
8	144	39	29	24	e68	34	78	162	497	227	176	158
9	127	40	27	24	e96	38	76	164	415	233	176	127
10	115	39	26	23	e120	40	72	162	342	236	182	105
11	105	37	24	22	e150	44	68	161	283	240	201	89
12	92	73	24	21	e140	43	67	170	251	229	189	84
13	82	96	23	22	e130	41	65	191	257	229	169	99
14	74	89	22	28	e110	38	64	224	293	236	171	107
15	67	92	22	33	e100	37	61	242	296	246	190	100
16	61	88	24	33	e93	36	57	244	280	248	207	90
17	56	79	26	35	e86	34	53	233	288	245	221	80
18	54	69	29	44	e78	32	50	216	348	220	219	71
19	55	59	37	50	e74	30	47	228	460	201	203	64
20	56	52	47	54	e70	28	44	267	530	194	188	64
21	56	46	53	63	e75	27	43	319	536	187	173	213
22	59	44	125	68	e79	26	44	316	515	186	172	302
23	69	41	156	68	e77	25	51	300	509	184	155	429
24	75	39	135	62	e70	25	52	301	504	195	139	695
25	122	36	111	e58	e64	24	61	327	500	200	125	489
26	236	34	91	e54	e57	25	90	337	468	180	116	326
27	246	32	75	e50	e52	26	101	321	423	165	141	407
28	198	30	63	e47	e46	29	97	285	381	237	151	348
29	160	29	54	e42	e42	32	92	259	354	313	141	249
30	134	28	49	e39	---	37	96	250	358	281	128	194
31	113	---	43	e37	---	37	---	234	---	229	119	---
TOTAL	3776	1697	1557	1212	2117	1003	2060	7106	11026	7384	5264	6096
MEAN	122	56.6	50.2	39.1	73.0	32.4	68.7	229	368	238	170	203
MAX	246	97	156	68	150	44	102	337	536	356	221	695
MIN	54	28	22	21	29	24	35	128	222	165	116	64
AC-FT	7490	3370	3090	2400	4200	1990	4090	14090	21870	14650	10440	12090
CFSM	4.68	2.18	1.93	1.50	2.81	1.24	2.64	8.82	14.1	9.16	6.53	7.82
IN.	5.40	2.43	2.23	1.73	3.03	1.44	2.95	10.17	15.78	10.56	7.53	8.72

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

	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	165	65.3	69.3	42.5	31.5	21.5	42.4	150
MAX	240	97.9	134	69.5	73.0	32.4	68.7	229
(WY)	1999	2003	2000	2003	2004	2004	2004	2004
MIN	104	39.4	30.6	21.2	11.5	14.6	14.5	90.1
(WY)	1998	2002	2002	1999	1999	1999	2002	2001

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1997 - 2004#

ANNUAL TOTAL	40892	50298	
ANNUAL MEAN	112	137	133
HIGHEST ANNUAL MEAN			147
LOWEST ANNUAL MEAN			121
HIGHEST DAILY MEAN	467	Aug 17	695
LOWEST DAILY MEAN	a14	Mar 11	21
ANNUAL SEVEN-DAY MINIMUM	14	Mar 11	23
MAXIMUM PEAK FLOW			740
MAXIMUM PEAK STAGE			32.89
INSTANTANEOUS LOW FLOW			c21
ANNUAL RUNOFF (AC-FT)	81110	99770	96500
ANNUAL RUNOFF (CFSM)	4.31	5.29	5.12
ANNUAL RUNOFF (INCHES)	58.51	71.97	69.61
10 PERCENT EXCEEDS	227	297	304
50 PERCENT EXCEEDS	91	92	90
90 PERCENT EXCEEDS	18	29	19

See period of record; partial years used in monthly statistics

a Mar. 11-13, 15-17, and 20

b From rating curve extended above 600 cfs on basis of slope-area measurement at gage height 34.07 ft.

c Dec. 14, 15, and Jan. 11-13

e Estimated