

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. 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	183	82	56	55	32	48	31	207	289	312	177	222
2	217	83	80	49	33	67	32	181	271	307	160	190
3	203	105	119	44	32	78	31	166	254	288	160	164
4	208	138	112	40	30	83	29	158	264	266	192	148
5	335	122	96	38	28	92	29	151	268	244	247	136
6	322	103	81	35	26	88	29	151	267	234	243	175
7	285	88	70	33	25	81	29	164	285	222	214	230
8	234	77	60	31	26	81	29	187	299	214	202	261
9	205	68	54	28	27	90	29	e215	317	214	202	231
10	187	60	51	27	31	129	30	e234	314	218	204	196
11	162	54	48	25	33	160	30	e255	295	214	208	176
12	142	49	59	23	31	142	31	e275	279	206	217	162
13	218	48	57	22	30	126	33	e300	268	199	230	163
14	209	49	55	21	28	113	35	e320	283	193	234	154
15	176	52	52	20	27	100	35	e350	277	195	218	140
16	146	58	73	20	26	87	35	e340	273	202	197	128
17	120	57	132	20	24	77	34	305	299	248	179	136
18	96	54	158	22	23	67	35	284	346	290	185	223
19	82	54	172	24	22	58	51	289	384	262	209	294
20	71	68	147	25	21	51	83	285	364	236	205	277
21	63	114	120	24	20	46	132	284	333	212	182	233
22	57	109	102	26	20	42	167	280	286	e210	193	193
23	51	95	141	31	21	39	163	282	247	e190	179	177
24	48	85	243	30	21	36	198	285	226	e185	165	190
25	45	76	213	29	21	35	242	271	230	e180	250	213
26	41	69	161	28	21	34	279	275	252	171	351	196
27	43	62	128	28	24	34	300	318	272	190	287	175
28	49	57	109	27	31	34	317	321	313	261	231	296
29	89	56	89	26	---	33	295	312	333	248	197	376
30	97	54	74	26	---	30	248	311	322	215	201	323
31	89	---	63	28	---	30	---	305	---	192	239	---
TOTAL	4473	2246	3175	905	734	2211	3041	8061	8710	7018	6558	6178
MEAN	144	74.9	102	29.2	26.2	71.3	101	260	290	226	212	206
MAX	335	138	243	55	33	160	317	350	384	312	351	376
MIN	41	48	48	20	20	30	29	151	226	171	160	128
AC-FT	8870	4450	6300	1800	1460	4390	6030	15990	17280	13920	13010	12250
CFSM	5.55	2.88	3.94	1.12	1.01	2.74	3.90	10.0	11.2	8.71	8.14	7.92
IN.	6.40	3.21	4.54	1.29	1.05	3.16	4.35	11.53	12.46	10.04	9.38	8.84

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

	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	162	66.5	73.5	40.9	30.9	27.7	49.8	164	307
MAX	240	97.9	134	69.5	73.0	71.3	101	260	368
(WY)	1999	2003	2000	2003	2004	2005	2005	2004	2000
MIN	104	39.4	30.6	21.2	11.5	14.6	14.5	90.1	222
(WY)	1998	2002	2002	1999	1999	1999	2002	2001	2003

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1997 - 2005#
ANNUAL TOTAL	53162	53310	
ANNUAL MEAN	145	146	135
HIGHEST ANNUAL MEAN			147
LOWEST ANNUAL MEAN			121
HIGHEST DAILY MEAN	695	Sep 24	993
LOWEST DAILY MEAN	21	Jan 12	7.8
ANNUAL SEVEN-DAY MINIMUM	23	Jan 7	8.0
MAXIMUM PEAK FLOW			b1300
MAXIMUM PEAK STAGE			31.80
INSTANTANEOUS LOW FLOW			c19
ANNUAL RUNOFF (AC-FT)	105400	105700	97660
ANNUAL RUNOFF (CFSM)	5.59	5.62	5.18
ANNUAL RUNOFF (INCHES)	76.06	76.27	70.45
10 PERCENT EXCEEDS	301	289	300
50 PERCENT EXCEEDS	105	141	93
90 PERCENT EXCEEDS	34	28	20

See Period of Record; partial year was used in monthly statistics.
a Jan. 15-17, and Feb. 21-22
b From rating curve extended above 600 cfs on basis of slope-area measurement at gage height 34.07 ft.
c Jan. 16-17
e Estimated