

SOUTHEAST ALASKA

15087690 INDIAN RIVER NEAR SITKA

LOCATION.--Lat 57°04'01", long 135°17'42", in SW¹/₄ SE¹/₄ sec. 30, T. 55 S., R. 64 E. (Sitka A-4 quad), Hydrologic Unit 19010203, in Tongass National Forest, on Baranof Island, on right bank 2 mi upstream from mouth, and 1 mi northeast of Sitka.

DRAINAGE AREA.--10.1 mi²

PERIOD OF RECORD.--August 1980 to September 1993. October 1998 to current year.

REVISED RECORD.--WDR-82-1: 1980-81.

GAGE.--Water-stage recorder. Elevation of gage is 125 ft above sea level, from topographic map. Prior to October 1998, at site 200 ft upstream and at different datum.

REMARKS.--No estimated daily discharge. Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of November 19, 1993, reached a stage of 14.04 ft, site and datum then in use, from recorder, discharge, 6,460 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1200 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 03	1230	1430	11.39	Dec. 02	1145	3740	13.52
Nov. 20	1700	4560	14.06	Dec. 24	0530	1780	11.81
Dec. 01	1800	1510	11.50	Sept. 24	1445	3590	13.41

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	134	183	493	62	233	89	22	64	22	22	63	171
2	120	156	1010	57	170	80	25	62	22	60	57	115
3	99	642	254	52	123	66	23	60	19	66	52	97
4	98	182	126	49	100	75	23	55	21	62	53	82
5	133	108	100	56	82	63	30	52	20	40	146	80
6	111	85	87	49	72	54	28	48	18	31	123	200
7	123	74	78	41	76	61	23	51	17	30	88	555
8	98	64	70	36	227	74	24	52	16	26	71	222
9	84	58	76	33	152	81	29	53	15	24	63	128
10	92	50	70	31	160	181	41	54	16	26	57	97
11	80	44	141	26	113	133	33	54	17	25	52	90
12	198	42	120	22	88	118	32	58	15	24	49	102
13	184	52	95	25	75	96	25	60	14	27	44	188
14	100	156	116	24	69	84	23	62	23	27	38	125
15	87	205	91	22	67	71	22	49	22	33	35	95
16	76	157	235	25	161	60	22	38	17	29	33	80
17	65	119	306	64	107	54	23	34	16	160	30	114
18	59	92	357	126	75	45	26	32	16	256	112	247
19	54	286	280	194	65	37	187	29	17	137	83	487
20	49	1680	155	132	58	32	132	28	16	81	61	231
21	64	368	118	112	54	29	147	29	19	90	42	132
22	78	158	186	131	53	28	109	27	20	138	236	109
23	52	130	913	116	56	25	104	25	21	98	112	384
24	97	261	720	101	57	23	119	24	23	72	79	1210
25	65	228	168	90	50	21	122	24	19	60	259	290
26	50	203	121	113	45	21	109	27	17	105	156	176
27	126	184	125	130	47	22	105	28	16	176	118	137
28	213	217	161	125	81	20	108	25	15	130	89	278
29	341	153	98	118	---	22	89	23	15	89	89	366
30	157	270	79	154	---	24	71	24	14	75	290	296
31	125	---	69	155	---	37	---	22	---	69	309	---
TOTAL	3412	6607	7018	2471	2716	1826	1876	1273	538	2288	3089	6884
MEAN	110	220	226	79.7	97.0	58.9	62.5	41.1	17.9	73.8	99.6	229
MAX	341	1680	1010	194	233	181	187	64	23	256	309	1210
MIN	49	42	69	22	45	20	22	22	14	22	30	80
AC-FT	6770	13100	13920	4900	5390	3620	3720	2520	1070	4540	6130	13650
CFSM	10.9	21.8	22.4	7.89	9.60	5.83	6.19	4.07	1.78	7.31	9.87	22.7
IN.	12.57	24.33	25.85	9.10	10.00	6.73	6.91	4.69	1.98	8.43	11.38	25.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)#

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	181	108	105	96.7	81.2	61.6	66.1	99.6	82.4	62.1	86.3	171														
MAX	293	220	226	184	154	122	111	167	166	111	238	295														
(WY)	1988	2005	2005	1984	1993	1986	1983	1983	1985	1985	1983	1991														
MIN	97.1	37.0	21.7	46.3	24.8	19.9	29.0	37.1	17.9	20.6	18.3	52.8														
(WY)	2004	1999	1984	1988	1999	1989	2002	2003	2005	1993	2004	1986														

See Period of Record; partial years used in monthly statistics and break in record

SOUTHEAST ALASKA

15087690 INDIAN RIVER NEAR SITKA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005#	
ANNUAL TOTAL	35384		39998			
ANNUAL MEAN	96.7		110		100	
HIGHEST ANNUAL MEAN					123 1987	
LOWEST ANNUAL MEAN					76.3 2003	
HIGHEST DAILY MEAN	1680	Nov 20	1680	Nov 20	2000	Oct 12 1982
LOWEST DAILY MEAN	a11	Aug 22	b14	Jun 13	8.6	Jan 18 1989
ANNUAL SEVEN-DAY MINIMUM	11	Aug 19	16	Jun 7	10	Jan 13 1989
MAXIMUM PEAK FLOW			c4560	Nov 20	d5710	Sep 4 1990
MAXIMUM PEAK STAGE			14.06	Nov 20	f13.51	Sep 4 1990
INSTANTANEOUS LOW FLOW			12	Jun 13	8.2	Jan 19 1989
ANNUAL RUNOFF (AC-FT)	70180		79340		72730	
ANNUAL RUNOFF (CFSM)	9.57		10.8		9.94	
ANNUAL RUNOFF (INCHES)	130.33		147.32		135.05	
10 PERCENT EXCEEDS	184		215		184	
50 PERCENT EXCEEDS	65		74		67	
90 PERCENT EXCEEDS	15		22		28	

See Period of Record; partial years used in monthly statistics and break in record

a Aug. 22-25

b June 13 and 30

c From rating curve extended above 500 ft³/s

d From rating curve extended above 3,100 ft³/s, at site and datum then in use

f At site and datum then in use