

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.-- Records fair except for Jan. 6-9, Sept. 2-9, and estimated daily discharges which are poor.

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 12	0630	*4350	*13.93	Sep 21	0230	2220	12.27

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	78	73	154	47	35	40	54	119	53	e16	e37	e14
2	68	65	164	40	32	36	101	102	50	e16	e33	e50
3	59	58	97	35	29	37	150	99	47	e15	e29	103
4	70	52	80	32	29	46	127	90	53	e15	e26	132
5	62	47	74	29	34	40	88	82	62	e18	e24	72
6	58	43	65	27	43	37	84	73	52	e43	e22	75
7	67	39	59	25	114	87	105	67	49	e28	e21	65
8	58	37	55	25	254	120	93	63	46	e21	e18	57
9	50	100	49	27	285	79	85	66	42	e18	e17	53
10	48	78	45	35	184	148	89	75	41	e17	e15	48
11	45	207	42	37	118	115	92	74	37	e16	e14	45
12	40	1280	44	44	122	80	129	73	36	e15	e14	45
13	65	181	46	115	106	71	100	77	39	e15	e13	50
14	71	138	37	199	96	67	86	72	37	e15	e13	61
15	48	155	50	104	78	81	76	59	33	e14	e13	62
16	41	112	88	74	67	117	66	55	31	e14	e13	50
17	37	96	83	135	60	71	61	52	31	e13	e13	41
18	43	80	98	198	58	57	57	62	34	e13	e12	36
19	73	69	137	121	79	49	51	72	35	e13	e12	33
20	66	61	105	117	119	45	48	67	33	e13	e12	389
21	50	56	157	148	196	42	48	66	30	e13	e12	572
22	68	131	373	182	132	44	58	62	e27	e13	e11	215
23	104	88	178	150	89	42	74	55	e25	e12	e11	377
24	64	144	130	100	75	43	82	80	e25	e13	e11	201
25	387	105	114	78	66	57	96	126	e23	e14	e11	146
26	404	75	89	63	58	63	121	154	e21	e15	e12	117
27	233	63	75	56	53	59	84	87	e20	e26	e26	204
28	259	60	64	52	48	92	70	64	e19	e122	e51	144
29	120	59	59	47	43	66	66	57	e18	e106	e22	243
30	93	102	59	42	---	55	100	57	e17	e75	e15	150
31	81	---	62	38	---	48	---	55	---	e46	e14	---
TOTAL	3010	3854	2932	2422	2702	2034	2541	2362	1066	803	567	3850
MEAN	97.1	128	94.6	78.1	93.2	65.6	84.7	76.2	35.5	25.9	18.3	128
MAX	404	1280	373	199	285	148	150	154	62	122	51	572
MIN	37	37	37	25	29	36	48	52	17	12	11	14
AC-FT	5970	7640	5820	4800	5360	4030	5040	4690	2110	1590	1120	7640
CFSM	9.61	12.7	9.36	7.74	9.22	6.50	8.39	7.54	3.52	2.56	1.81	12.7
IN.	11.09	14.19	10.80	8.92	9.95	7.49	9.36	8.70	3.93	2.96	2.09	14.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, 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
MEAN	184	102	99.1	97.6	80.4	61.8	66.3	103	85.8	61.5	85.6	168													
MAX	293	218	207	184	154	122	111	167	166	111	238	295													
(WY)	1988	1990	1990	1984	1993	1986	1983	1985	1985	1985	1983	1991													
MIN	97.1	37.0	21.7	46.3	24.8	19.9	29.0	37.1	28.8	20.6	18.3	52.8													
(WY)	2004	1999	1984	1988	1999	1989	2002	2003	1993	1993	2004	1986													

See period of record; partial years used in monthly summary statistics and break in record
e Estimated

SOUTHEAST ALASKA

15087690 INDIAN RIVER NEAR SITKA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004#	
ANNUAL TOTAL	27031		28143			
ANNUAL MEAN	74.1		76.9		99.9	
HIGHEST ANNUAL MEAN					123	
LOWEST ANNUAL MEAN					76.3	
HIGHEST DAILY MEAN	1280		1280		2000	
LOWEST DAILY MEAN	17	Nov 12	a11	Nov 12	8.6	
ANNUAL SEVEN-DAY MINIMUM	18	Aug 11	11	Aug 22	10	
MAXIMUM PEAK FLOW			b4350		c5710	
MAXIMUM PEAK STAGE			13.93		d13.51	
INSTANTANEOUS LOW FLOW			f		8.2	
ANNUAL RUNOFF (AC-FT)	53620		55820		72380	
ANNUAL RUNOFF (CFSM)	7.33		7.61		9.89	
ANNUAL RUNOFF (INCHES)	99.56		103.66		134.40	
10 PERCENT EXCEEDS	130		140		181	
50 PERCENT EXCEEDS	50		59		67	
90 PERCENT EXCEEDS	28		15		28	

See period of record; partial years used in monthly summary statistics and break in record

a Aug 22-25

b From rating curve extended above 500 ft³/s

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

d At site and datum then in use

f Not determined, see lowest daily mean