

# SOUTHEAST ALASKA

## 15024800 STIKINE RIVER NEAR WRANGELL (International gaging station)

LOCATION.--Lat 56°42'29", long 132°07'49", in SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> sec. 35, T. 59 S., R. 84 E. (Petersburg C-1 quad), Hydrologic Unit 19010201, on right bank about 10 mi upstream from mouth near Point Rothsay, 11 mi west of Alaska-British Columbia boundary, and 18 mi northeast of Wrangell.

DRAINAGE AREA.--19,920 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--July 1976 to current year.

REVISED RECORDS.--WDR AK-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 25 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges during periods of ice effect, Nov. 26 to Apr. 18, which are poor. GOES satellite telemetry at station.

### 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	83400	43200	e9800	e7300	e6100	e7600	e13000	43400	105000	171000	102000	63300
2	78600	38500	e9500	e7200	e6000	e7500	e12500	52600	98400	159000	97500	63400
3	74000	e31000	e9300	e7000	e5800	e7400	e16100	59000	92100	153000	99000	65600
4	70600	e27000	e9100	e6900	e5700	e7200	e18300	63500	89100	147000	99400	86500
5	70200	e23000	e9000	e6800	e5700	e7000	e17900	67100	96700	140000	103000	78200
6	69100	e20000	e8800	e6700	e5700	e7000	e16600	62800	115000	142000	109000	64200
7	77100	e18000	e8700	e6700	e5800	e7000	e16300	56200	137000	144000	107000	58500
8	71100	e16000	e8600	e6600	e5900	e7000	e16800	55500	168000	139000	102000	53300
9	61700	e16000	e8500	e6600	e6100	e7200	e17800	58800	180000	152000	100000	46400
10	57900	e17000	e8400	e6500	e6300	e7400	e17900	60600	168000	159000	105000	40300
11	51100	e18000	e8300	e6700	e6600	e7700	21000	59900	147000	153000	116000	36900
12	45000	e20000	e8300	e7000	e6800	e7900	24900	59300	131000	140000	114000	36600
13	40900	e45000	e8300	e7200	e6900	e8000	26200	62400	126000	140000	97900	43600
14	41800	e34000	e8400	e7500	e7000	e7800	27000	70400	126000	148000	98900	53700
15	38700	e28000	e8400	e7700	e7000	e7600	26600	78200	122000	150000	111000	51100
16	34700	e24000	e8500	e7800	e7200	e7600	e23500	82900	118000	151000	125000	44000
17	32500	e20000	e8800	e7800	e7300	e7600	e22000	86400	121000	145000	131000	38700
18	34500	e18000	e9000	e7800	e7400	e7600	e21500	91200	133000	134000	132000	35300
19	42700	e17000	e9200	e7500	e7500	e7700	e20900	97500	152000	131000	128000	32900
20	39600	e15000	e9500	e7200	e7600	e7800	e20100	110000	171000	133000	113000	33600
21	35900	e14000	e10000	e7200	e7800	e8000	e20600	125000	184000	139000	100000	90300
22	37000	e13000	e11000	e7200	e8100	e8300	e21500	129000	192000	136000	94800	115000
23	38200	e13000	e12000	e7100	e8200	e8600	25300	119000	191000	136000	87800	102000
24	35800	e12000	e11000	e6800	e8400	e9400	26100	112000	197000	136000	72900	151000
25	78600	e12000	e10000	e6600	e8400	e12000	27600	117000	199000	133000	69000	134000
26	173000	e11000	e9700	e6500	e8300	e14000	34400	131000	193000	121000	68200	85000
27	176000	e11000	e9000	e6500	e8100	e14500	36700	140000	192000	109000	75100	78900
28	114000	e11000	e8300	e6200	e8000	e14500	35100	134000	180000	117000	90900	83900
29	82000	e10000	e8000	e6200	e7800	e14000	34300	121000	174000	135000	78700	64600
30	62600	e10000	e7600	e6200	---	e14000	36400	113000	179000	133000	68900	55000
31	51200	---	e7400	e6100	---	e13500	---	109000	---	112000	64500	---
TOTAL	1999500	605700	280400	215100	203500	280400	694900	2727700	4477300	4338000	3061500	1985800
MEAN	64500	20190	9045	6939	7017	9045	23160	87990	149200	139900	98760	66190
MAX	176000	45000	12000	7800	8400	14500	36700	140000	199000	171000	132000	151000
MIN	32500	10000	7400	6100	5700	7000	12500	43400	89100	109000	64500	32900
MED	57900	17500	8800	6900	7000	7700	21500	82900	150000	140000	100000	60900
AC-FT	3966000	1201000	556200	426700	403600	556200	1378000	5410000	8881000	8604000	6072000	3939000
CFSM	3.24	1.01	0.45	0.35	0.35	0.45	1.16	4.42	7.49	7.02	4.96	3.32
IN.	3.73	1.13	0.52	0.40	0.38	0.52	1.30	5.09	8.36	8.10	5.72	3.71

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)#

	1976	1977	1978	1979	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	57330	24480	13970	11550	9172	9968	16730	66950	135200	134600	106900	80130																	
MAX	113300	58280	25780	39450	19080	42340	31960	119100	199900	163800	134200	128600																	
(WY)	1987	1979	1990	1981	1977	1992	1992	1993	1992	1985	1977	1981																	
MIN	30590	10010	5593	5958	5111	4719	7292	32260	103400	109100	76770	50760																	
(WY)	1986	1986	1997	1978	1999	1978	2002	1982	1978	1983	1995	1986																	

# See Period of Record; partial years used in monthly statistics  
e Estimated

# SOUTHEAST ALASKA

## 15024800 STIKINE RIVER NEAR WRANGELL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004#	
ANNUAL TOTAL	19451650		20869800			
ANNUAL MEAN	53290		57020		55760	
HIGHEST ANNUAL MEAN					72870	
LOWEST ANNUAL MEAN					42100	
HIGHEST DAILY MEAN	176000	Oct 27	199000	Jun 25	324000	Sep 23 1994
LOWEST DAILY MEAN	4500	Mar 12	a5700	Feb 4	4000	Feb 12 1988
ANNUAL SEVEN-DAY MINIMUM	4740	Mar 8	5800	Feb 2	4090	Mar 8 1999
MAXIMUM PEAK FLOW			b201000	Jun 24	351000	Sep 23 1994
MAXIMUM PEAK STAGE			b24.34	Jun 24	30.60	Sep 23 1994
ANNUAL RUNOFF (AC-FT)	38580000		41400000		40390000	
ANNUAL RUNOFF (CFSM)	2.68		2.86		2.80	
ANNUAL RUNOFF (INCHES)	36.33		38.97		38.03	
10 PERCENT EXCEEDS	127000		139000		136000	
50 PERCENT EXCEEDS	37000		35600		31900	
90 PERCENT EXCEEDS	7000		7000		7200	

a Feb. 4-6

b Jun. 24-25

# See Period of Record; partial years used in monthly statistics