

# YUKON ALASKA

## 15453500 YUKON RIVER NEAR STEVENS VILLAGE

LOCATION.--Lat 65°52'32", long 149°43'04", in SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 7, T. 12 N., R. 10 W. (Livengood D-6 quad), Hydrologic Unit 19040404, on right bank, 115 ft upstream from bridge at MP 56.0 on Dalton Highway, 0.5 mi downstream from Woodcamp Creek, 2.5 mi upstream from Ray River, and 21 mi southwest of Stevens Village.

DRAINAGE AREA.--196,300 mi<sup>2</sup>, approximately.

### WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and supplementary water-stage recorder on bridge pier at same site and datum. Datum of gage is 240.68 ft above sea level (revised).

REMARKS.--Records good except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 950,000 ft<sup>3</sup>/s, June 15-16, 1964, "at Rampart" (station 15468000), drainage area, 199,400 mi<sup>2</sup>, approximately.

#### 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	85200	e55000	e38000	e29000	e26000	e24000	e22000	e64000	387000	e203000	172000	154000
2	84600	e54000	e37000	e29000	e26000	e24000	e22000	e72000	396000	197000	170000	154000
3	84200	e52000	e37000	e29000	e26000	e24000	e22000	e84000	399000	195000	169000	151000
4	83800	e51000	e36000	e29000	e25000	e24000	e22000	e100000	406000	194000	172000	150000
5	83500	e50000	e36000	e28000	e25000	e24000	e22000	e126000	411000	192000	176000	150000
6	83400	e48000	e36000	e28000	e25000	e23000	e22000	e158000	408000	193000	180000	153000
7	83300	e46000	e35000	e28000	e25000	e23000	e22000	e190000	397000	198000	183000	159000
8	83400	e44000	e35000	e28000	e25000	e23000	e22000	e220000	382000	212000	183000	164000
9	83300	e43000	e35000	e28000	e25000	e23000	e22000	e248000	366000	230000	182000	166000
10	83100	e43000	e34000	e28000	e25000	e23000	e22000	e276000	352000	239000	181000	167000
11	83100	e45000	e34000	e28000	e25000	e23000	e22000	299000	339000	239000	179000	165000
12	83700	e46000	e34000	e28000	e25000	e23000	e22000	326000	331000	235000	177000	162000
13	84100	e47000	e33000	e27000	e25000	e23000	e22000	368000	320000	230000	175000	159000
14	83500	e48000	e33000	e27000	e25000	e23000	e22000	391000	310000	227000	174000	157000
15	82600	e48000	e33000	e27000	e25000	e23000	e22000	397000	300000	225000	172000	156000
16	81900	e47000	e32000	e27000	e25000	e23000	e22000	397000	299000	221000	170000	157000
17	81300	e46000	e32000	e27000	e25000	e22000	e22000	399000	302000	217000	169000	157000
18	80800	e45000	e32000	e27000	e24000	e22000	e22000	407000	302000	215000	167000	160000
19	80200	e44000	e32000	e27000	e24000	e22000	e22000	425000	302000	214000	166000	164000
20	e78000	e43000	e31000	e27000	e24000	e22000	e22000	449000	299000	211000	166000	167000
21	e76000	e43000	e31000	e26000	e24000	e22000	e22000	471000	293000	206000	165000	169000
22	e75000	e42000	e31000	e26000	e24000	e22000	e23000	486000	284000	202000	163000	171000
23	e73000	e41000	e31000	e26000	e24000	e22000	e25000	482000	274000	202000	161000	173000
24	e71000	e40000	e30000	e26000	e24000	e22000	e28000	458000	265000	207000	159000	176000
25	e69000	e40000	e30000	e26000	e24000	e22000	e31000	428000	262000	210000	155000	182000
26	e67000	e39000	e30000	e26000	e24000	e22000	e35000	409000	267000	210000	151000	184000
27	e65000	e39000	e30000	e26000	e24000	e22000	e41000	401000	264000	206000	147000	185000
28	e62000	e39000	e30000	e26000	e24000	e22000	e48000	396000	253000	199000	145000	186000
29	e60000	e38000	e29000	e26000	---	e22000	e55000	389000	e235000	191000	144000	190000
30	e58000	e38000	e29000	e26000	---	e22000	e60000	382000	e216000	183000	146000	197000
31	e56000	---	e29000	e26000	---	e22000	---	378000	---	177000	151000	---
TOTAL	2389000	1344000	1015000	842000	692000	703000	808000	10076000	9621000	6480000	5170000	4985000
MEAN	77060	44800	32740	27160	24710	22680	26930	325000	320700	209000	166800	166200
MAX	85200	55000	38000	29000	26000	24000	60000	486000	411000	239000	183000	197000
MIN	56000	38000	29000	26000	24000	22000	22000	64000	216000	177000	144000	150000
AC-FT	4739000	2666000	2013000	1670000	1373000	1394000	1603000	19990000	19080000	12850000	10250000	9888000
CFSM	0.39	0.23	0.17	0.14	0.13	0.12	0.14	1.66	1.63	1.06	0.85	0.85
IN.	0.45	0.25	0.19	0.16	0.13	0.13	0.15	1.91	1.82	1.23	0.98	0.94

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	99070	51440	36580	29850	25500	22540	22390	212000	335000	228300	196700	163200
MAX	164500	70300	48450	37680	32140	28970	28170	373000	614100	320200	255100	229500
(WY)	2001	2003	1983	1977	1981	1981	1981	1991	1992	1992	2000	2000
MIN	75340	34530	26770	23550	19320	16000	14800	90680	226800	168600	142400	97800
(WY)	1993	1990	1990	1996	1999	1999	1997	1992	1995	2004	1989	2004

#### SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1977 - 2005
ANNUAL TOTAL	38472100	44125000	
ANNUAL MEAN	105100	120900	119000
HIGHEST ANNUAL MEAN			144400
LOWEST ANNUAL MEAN			93910
HIGHEST DAILY MEAN	466000	May 26	823000
LOWEST DAILY MEAN	a21000	Mar 17	c14000
ANNUAL SEVEN-DAY MINIMUM	21000	Mar 17	14000
MAXIMUM PEAK FLOW			827000
MAXIMUM PEAK STAGE		47.58	59.60
ANNUAL RUNOFF (AC-FT)	76310000	87520000	86210000
ANNUAL RUNOFF (CFSM)	0.535	0.616	0.606
ANNUAL RUNOFF (INCHES)	7.29	8.36	8.24
10 PERCENT EXCEEDS	274000	302000	277000
50 PERCENT EXCEEDS	50000	60000	58000

e Estimated  
a From Mar. 17 to Apr. 27  
b From Mar. 17 to Apr. 21  
c From Apr. 14 to Apr. 25