

# 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 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107000	84000	e40000	e31000	e27000	e23000	e21000	e24000	435000	219000	150000	123000
2	105000	82100	e40000	e31000	e27000	e23000	e21000	e26000	439000	213000	151000	118000
3	103000	81100	e39000	e31000	e27000	e23000	e21000	e30000	437000	208000	157000	114000
4	101000	79000	e39000	e31000	e27000	e23000	e21000	e35000	428000	203000	165000	112000
5	99800	78800	e38000	e31000	e27000	e23000	e21000	e40000	421000	198000	172000	111000
6	99000	77700	e38000	e30000	e27000	e23000	e21000	e50000	416000	193000	174000	109000
7	98400	73100	e37000	e30000	e27000	e23000	e21000	e80000	409000	187000	173000	107000
8	98900	69000	e37000	e30000	e26000	e22000	e21000	e130000	403000	182000	172000	105000
9	99900	65000	e36000	e30000	e26000	e22000	e21000	e190000	390000	178000	175000	104000
10	101000	e63000	e36000	e30000	e26000	e22000	e21000	e230000	372000	176000	172000	104000
11	102000	e61000	e35000	e30000	e26000	e22000	e21000	e260000	353000	174000	166000	102000
12	104000	e60000	e35000	e30000	e26000	e22000	e21000	e280000	336000	171000	160000	101000
13	105000	e58000	e35000	e30000	e26000	e22000	e21000	307000	324000	166000	155000	101000
14	105000	e56000	e34000	e29000	e26000	e22000	e21000	313000	320000	162000	152000	e99000
15	104000	e54000	e34000	e29000	e26000	e22000	e21000	301000	322000	158000	149000	e97000
16	103000	e53000	e34000	e29000	e25000	e22000	e21000	270000	324000	156000	147000	e95000
17	102000	e52000	e34000	e29000	e25000	e21000	e21000	264000	316000	155000	145000	e93500
18	99500	e51000	e33000	e29000	e25000	e21000	e21000	271000	301000	151000	142000	e92000
19	96000	e49000	e33000	e29000	e25000	e21000	e21000	288000	284000	147000	138000	e91000
20	92200	e48000	e33000	e29000	e25000	e21000	e21000	308000	268000	146000	135000	e90000
21	87400	e47000	e33000	e28000	e25000	e21000	e21000	331000	256000	147000	133000	88700
22	83500	e46000	e33000	e28000	e24000	e21000	e21000	374000	247000	148000	132000	87900
23	82400	e45000	e32000	e28000	e24000	e21000	e21000	415000	240000	148000	132000	87400
24	81200	e44000	e32000	e28000	e24000	e21000	e21000	442000	233000	150000	133000	86700
25	82100	e44000	e32000	e28000	e24000	e21000	e21000	459000	228000	153000	133000	86200
26	81800	e43000	e32000	e28000	e24000	e21000	e21000	466000	225000	156000	133000	85900
27	80000	e42000	e32000	e28000	e24000	e21000	e21000	457000	226000	157000	132000	85800
28	80400	e42000	e32000	e28000	e24000	e21000	e22000	440000	227000	158000	130000	85800
29	82100	e41000	e32000	e28000	e23000	e21000	e22000	437000	227000	157000	128000	85700
30	85100	e41000	e31000	e28000	---	e21000	e23000	440000	224000	156000	126000	85500
31	84900	---	e31000	e27000	---	e21000	---	437000	---	153000	125000	---
TOTAL	2936600	1729800	1072000	905000	738000	674000	634000	8395000	9631000	5226000	4587000	2934100
MEAN	94730	57660	34580	29190	25450	21740	21130	270800	321000	168600	148000	97800
MAX	107000	84000	40000	31000	27000	23000	23000	466000	439000	219000	175000	123000
MIN	80000	41000	31000	27000	23000	21000	21000	24000	224000	146000	125000	85500
AC-FT	5825000	3431000	2126000	1795000	1464000	1337000	1258000	16650000	19100000	10370000	9098000	5820000
CFSM	0.48	0.29	0.18	0.15	0.13	0.11	0.11	1.38	1.64	0.86	0.75	0.50
IN.	0.56	0.33	0.20	0.17	0.14	0.13	0.12	1.59	1.83	0.99	0.87	0.56

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)#

	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	99850	51680	36720	29940	25530	22540	22230	208000	335500	229000	197800	163100																
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																

e Estimated

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## 15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004#	
ANNUAL TOTAL	39620400		39462500			
ANNUAL MEAN	108500		107800		118900	
HIGHEST ANNUAL MEAN					144400 1992	
LOWEST ANNUAL MEAN					93910 1996	
HIGHEST DAILY MEAN	309000	Jun 11	466000	May 26	823000	Jun 11 1992
LOWEST DAILY MEAN	a26000	Feb 25	b21000	Mar 17	c14000	Apr 14 1997
ANNUAL SEVEN-DAY MINIMUM	26000	Feb 25	21000	Mar 17	14000	Apr 14 1997
MAXIMUM PEAK FLOW			467000	May 26	827000	Jun 11 1992
MAXIMUM PEAK STAGE			46.66	May 26	59.60	Jun 11 1992
ANNUAL RUNOFF (AC-FT)	78590000		78270000		86160000	
ANNUAL RUNOFF (CFSM)	0.553		0.549		0.606	
ANNUAL RUNOFF (INCHES)	7.51		7.48		8.23	
10 PERCENT EXCEEDS	227000		274000		276000	
50 PERCENT EXCEEDS	79000		78200		58000	
90 PERCENT EXCEEDS	26000		21000		22000	

- a From Feb. 25 to Apr. 25
- b From Mar. 17 to Apr. 27
- c From Apr. 14 to 25