

# YUKON ALASKA

## 15356000 YUKON RIVER AT EAGLE (International Gaging Station)

LOCATION.--Lat 64°47'22", long 141°11'52", in NW<sup>1</sup>/<sub>4</sub> sec. 31, T. 1 S., R. 33 E. (Eagle D-1 quad), Hydrologic Unit 19040401, on left bank at Eagle, 0.1 mi upstream from Mission Creek, 1.1 mi downstream from Castalia Creek, and 11 mi downstream from the international boundary.

DRAINAGE AREA.--113,500 mi<sup>2</sup>, approximately.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1911 to December 1913, June 1950 to current year. Monthly discharge only for some periods, published in WSP 1372.

GAGE.--Water-stage recorder. Elevation of gage is 850 ft above sea level, from topographic map. See WSP 1936 for history of changes prior to October 1, 1963. Nonrecording gage prior to June 26, 1982 at same site and datum.

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

#### 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	75300	e45000	e28000	e22000	e20000	e19000	e19000	e39000	280000	167000	160000	118000
2	75000	e44000	e28000	e22000	e20000	e19000	e19000	e44000	286000	166000	163000	120000
3	75200	e43000	e28000	e21000	e19000	e19000	e19000	e50000	283000	169000	167000	126000
4	75000	e42000	e27000	e21000	e19000	e19000	e19000	e57000	276000	185000	164000	129000
5	74500	e40000	e27000	e21000	e19000	e19000	e19000	e63000	268000	210000	160000	127000
6	74000	e38000	e27000	e21000	e19000	e19000	e19000	e72000	257000	221000	158000	123000
7	74300	e36000	e27000	e21000	e19000	e19000	e19000	e85000	251000	213000	154000	120000
8	76400	e34000	e26000	e21000	e19000	e19000	e19000	e100000	250000	206000	153000	117000
9	77300	e33000	e26000	e21000	e19000	e19000	e19000	e115000	248000	202000	152000	114000
10	77000	e33000	e26000	e21000	e19000	e19000	e19000	e130000	238000	198000	151000	112000
11	76300	e34000	e25000	e21000	e19000	e19000	e19000	144000	232000	194000	150000	111000
12	75000	e36000	e25000	e21000	e19000	e19000	e19000	151000	232000	182000	149000	111000
13	74200	e37000	e25000	e20000	e19000	e19000	e19000	159000	231000	173000	147000	111000
14	73900	e37000	e24000	e20000	e19000	e19000	e19000	171000	232000	170000	146000	115000
15	73300	e37000	e24000	e20000	e19000	e19000	e19000	185000	232000	166000	146000	120000
16	72600	e36000	e24000	e20000	e19000	e19000	e19000	198000	231000	162000	147000	122000
17	71400	e35000	e24000	e20000	e19000	e19000	e19000	211000	227000	159000	146000	124000
18	70100	e35000	e23000	e20000	e19000	e19000	e19000	230000	220000	156000	143000	125000
19	68400	e35000	e23000	e20000	e19000	e19000	e19000	259000	212000	160000	140000	125000
20	64000	e34000	e23000	e20000	e19000	e19000	e19000	264000	204000	168000	137000	126000
21	e61000	e33000	e23000	e20000	e19000	e19000	e19000	269000	206000	174000	131000	126000
22	e59000	e33000	e23000	e20000	e19000	e19000	e20000	274000	223000	176000	128000	125000
23	e57000	e32000	e23000	e20000	e19000	e19000	e20000	287000	219000	174000	121000	123000
24	e55000	e32000	e23000	e20000	e19000	e19000	e21000	298000	199000	166000	119000	123000
25	e53000	e31000	e22000	e20000	e19000	e19000	e22000	300000	186000	157000	122000	124000
26	e51000	e31000	e22000	e20000	e19000	e19000	e23000	297000	178000	152000	123000	125000
27	e50000	e30000	e22000	e20000	e19000	e19000	e25000	293000	172000	149000	129000	125000
28	e49000	e30000	e22000	e20000	e19000	e19000	e28000	291000	168000	147000	130000	123000
29	e48000	e29000	e22000	e20000	---	e19000	e32000	308000	169000	145000	127000	121000
30	e47000	e29000	e22000	e20000	---	e19000	e35000	287000	169000	147000	123000	121000
31	e46000	---	e22000	e20000	---	e19000	---	277000	---	152000	119000	---
TOTAL	2049200	1054000	756000	634000	534000	589000	625000	5908000	6779000	5366000	4405000	3632000
MEAN	66100	35130	24390	20450	19070	19000	20830	190600	226000	173100	142100	121100
MAX	77300	45000	28000	22000	20000	19000	35000	308000	286000	221000	167000	129000
MIN	46000	29000	22000	20000	19000	19000	19000	39000	168000	145000	119000	111000
AC-FT	4065000	2091000	1500000	1258000	1059000	1168000	1240000	11720000	13450000	10640000	8737000	7204000
CFSM	0.58	0.31	0.21	0.18	0.17	0.17	0.18	1.68	1.99	1.53	1.25	1.07
IN.	0.67	0.35	0.25	0.21	0.18	0.19	0.20	1.94	2.22	1.76	1.44	1.19

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)#

	74530	38360	25800	21130	18880	17320	19340	126200	223100	181000	143700	112200
MEAN	74530	38360	25800	21130	18880	17320	19340	126200	223100	181000	143700	112200
MAX	133300	62500	38870	30390	28000	25480	41530	201500	456800	269500	200400	187900
(WY)	2001	1953	2001	2001	1977	1977	1990	1993	1964	1992	2000	2000
MIN	45870	24000	13000	9000	7200	7800	8650	61770	120900	108900	88710	70690
(WY)	1959	1959	1951	1951	1951	1956	1956	1964	1953	1998	1998	1998

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

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950 - 2005#	
ANNUAL TOTAL	28507700		32331200			
ANNUAL MEAN	77890		88580		84050	
HIGHEST ANNUAL MEAN					110900 1964	
LOWEST ANNUAL MEAN					61020 1958	
HIGHEST DAILY MEAN	282000	Jun 12	308000	May 29	545000	Jun 12 1964
LOWEST DAILY MEAN	a19000	Mar 21	b19000	Feb 3	c7200	Feb 1 1951
ANNUAL SEVEN-DAY MINIMUM	19000	Mar 21	19000	Feb 3	7200	Feb 1 1951
MAXIMUM PEAK FLOW			314000	May 29	545000	Jun 12 1964
MAXIMUM PEAK STAGE			24.70	May 29	33.85	Jun 12 1964
ANNUAL RUNOFF (AC-FT)	56550000		64130000		60890000	
ANNUAL RUNOFF (CFSM)	0.686		0.780		0.740	
ANNUAL RUNOFF (INCHES)	9.34		10.60		10.06	
10 PERCENT EXCEEDS	194000		212000		197000	
50 PERCENT EXCEEDS	44500		45000		45000	
90 PERCENT EXCEEDS	19500		19000		16500	

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

a From Mar. 21 to Apr. 23

b From Feb. 3 to Apr. 21

c Feb. 1 to 28, 1951