

Water-Data Report 2006

15356000 YUKON RIVER AT EAGLE, AK

Upper Yukon River Basin
Eagle to Circle Subbasin

LOCATION.--Lat 64°47'22", long 141°11'52" referenced to North American Datum of 1927, in NW ¼ sec.31, T.1 S., R.33 E., Southeast Fairbanks Division, AK, Hydrologic Unit 19040401, (Eagle D-1 quad), 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 mi².

SURFACE-WATER 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated; $\times 10^6$, million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	121,000	e57,000	e38,000	e28,000	e22,000	e19,000	e18,000	e24,000	182,000	225,000	150,000	121,000
2	119,000	e53,000	e38,000	e28,000	e21,000	e19,000	e18,000	e25,000	179,000	215,000	150,000	121,000
3	116,000	e49,000	e37,000	e28,000	e21,000	e19,000	e18,000	e26,000	176,000	202,000	143,000	122,000
4	114,000	e45,000	e37,000	e28,000	e21,000	e19,000	e18,000	e28,000	172,000	192,000	134,000	123,000
5	112,000	e44,000	e37,000	e28,000	e21,000	e19,000	e18,000	e29,500	176,000	183,000	127,000	123,000
6	109,000	e42,000	e36,000	e28,000	e21,000	e19,000	e18,000	e33,000	183,000	178,000	124,000	123,000
7	106,000	e41,000	e36,000	e27,000	e20,000	e19,000	e18,000	e38,000	189,000	176,000	123,000	123,000
8	104,000	e40,000	e36,000	e27,000	e20,000	e19,000	e18,000	e45,000	192,000	176,000	125,000	122,000
9	103,000	e39,000	e35,000	e27,000	e20,000	e19,000	e18,000	e53,000	192,000	179,000	127,000	121,000
10	99,900	e40,000	e35,000	e26,000	e20,000	e19,000	e18,000	e62,000	190,000	184,000	125,000	119,000
11	97,900	e41,000	e35,000	e26,000	e20,000	e19,000	e18,000	e71,000	183,000	191,000	122,000	116,000
12	96,000	e42,000	e34,000	e26,000	e20,000	e19,000	e18,000	e84,000	178,000	186,000	121,000	113,000
13	94,500	e42,000	e34,000	e26,000	e20,000	e19,000	e18,000	e95,000	178,000	183,000	120,000	112,000
14	92,800	e43,000	e34,000	e26,000	e20,000	e19,000	e18,000	111,000	187,000	182,000	119,000	113,000
15	90,500	e45,000	e33,000	e25,000	e20,000	e18,000	e18,000	124,000	204,000	181,000	119,000	113,000
16	87,900	e46,000	e33,000	e25,000	e20,000	e18,000	e18,000	149,000	220,000	176,000	119,000	112,000
17	85,500	e46,000	e33,000	e25,000	e20,000	e18,000	e18,000	179,000	238,000	174,000	118,000	112,000
18	82,800	e45,000	e32,000	e25,000	e20,000	e18,000	e18,000	197,000	254,000	169,000	118,000	113,000
19	80,200	e44,000	e32,000	e24,000	e20,000	e18,000	e18,000	189,000	259,000	161,000	120,000	114,000
20	77,300	e44,000	e32,000	e24,000	e20,000	e18,000	e18,500	188,000	259,000	156,000	121,000	112,000
21	74,600	e43,000	e32,000	e24,000	e19,000	e18,000	e18,500	190,000	261,000	153,000	121,000	109,000
22	72,800	e43,000	e31,000	e23,000	e19,000	e18,000	e19,000	191,000	261,000	150,000	131,000	106,000
23	71,200	e42,000	e31,000	e23,000	e19,000	e18,000	e19,300	190,000	272,000	146,000	137,000	104,000
24	70,700	e42,000	e31,000	e23,000	e19,000	e18,000	e19,600	184,000	259,000	141,000	134,000	101,000
25	70,500	e41,000	e30,000	e23,000	e19,000	e18,000	e20,000	181,000	244,000	138,000	129,000	98,900
26	e69,400	e41,000	e30,000	e23,000	e19,000	e18,000	e20,500	177,000	226,000	137,000	126,000	96,900
27	e68,400	e40,000	e29,000	e23,000	e19,000	e18,000	e21,000	176,000	214,000	137,000	125,000	94,600
28	e67,300	e40,000	e29,000	e23,000	e19,000	e18,000	e21,500	179,000	221,000	137,000	124,000	93,500
29	e66,000	e39,000	e29,000	e23,000	---	e18,000	e22,500	181,000	226,000	138,000	122,000	93,400
30	e65,000	e39,000	e29,000	e22,000	---	e18,000	e23,300	180,000	228,000	142,000	121,000	93,600
31	e63,000	---	e28,000	e22,000	---	e18,000	---	181,000	---	146,000	121,000	---
Total	2,748,200	1,298,000	1,026,000	779,000	559,000	572,000	565,700	3,760,500	6,403,000	5,234,000	3,916,000	3,338,900
Mean	88,650	43,270	33,100	25,130	19,960	18,450	18,860	121,300	213,400	168,800	126,300	111,300
Max	121,000	57,000	38,000	28,000	22,000	19,000	23,300	197,000	272,000	225,000	150,000	123,000
Min	63,000	39,000	28,000	22,000	19,000	18,000	18,000	24,000	172,000	137,000	118,000	93,400
Ac-ft	5,451,000	2,575,000	2,035,000	1,545,000	1,109,000	1,135,000	1,122,000	7,459,000	12.70 $\times 10^6$	10.38 $\times 10^6$	7,767,000	6,623,000
Cfs/m	0.78	0.38	0.29	0.22	0.18	0.16	0.17	1.07	1.88	1.49	1.11	0.98
In.	0.90	0.43	0.34	0.26	0.18	0.19	0.19	1.23	2.10	1.72	1.28	1.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2006, BY WATER YEAR (WY) [#]

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74,780	38,450	25,930	21,210	18,900	17,340	19,330	126,100	222,900	180,800	143,400	112,200
Max	133,300	62,500	38,870	30,390	28,000	25,480	41,530	201,500	456,800	269,500	200,400	187,900
(WY)	(2001)	(1953)	(2001)	(2001)	(1977)	(1977)	(1990)	(1993)	(1964)	(1992)	(2000)	(2000)
Min	45,870	24,000	13,000	9,000	7,200	7,800	8,650	61,770	120,900	108,900	88,710	70,690
(WY)	(1959)	(1959)	(1951)	(1951)	(1951)	(1956)	(1956)	(1964)	(1953)	(1998)	(1998)	(1998)

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1950 - 2006 [#]	
Annual total	33,544,200		30,200,300			
Annual mean	91,900		82,740		84,020	
Highest annual mean					110,900	1964
Lowest annual mean					61,020	1958
Highest daily mean	308,000	May 29	272,000	Jun 23	545,000	Jun 12, 1964
Lowest daily mean	^a 19,000	Feb 3	^b 18,000	Mar 15	^c 7,200	Feb 1, 1951
Annual seven-day minimum	19,000	Feb 3	18,000	Mar 15	7,200	Feb 1, 1951
Maximum peak flow			275,000	Jun 23	545,000	Jun 12, 1964
Maximum peak stage			23.18	Jun 23	33.85	Jun 12, 1964
Annual runoff (ac-ft)	66,530,000		59,900,000		60,870,000	
Annual runoff (cfsm)	0.810		0.729		0.740	
Annual runoff (inches)	10.99		9.90		10.06	
10 percent exceeds	212,000		183,000		196,000	
50 percent exceeds	53,000		45,000		45,000	
90 percent exceeds	19,000		18,300		16,900	

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

^a From Feb. 3 to Apr. 21

^b From Mar 15 to Apr. 19

^c From Feb. 1 to 28, 1951

