Water-Data Report 2013

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 mi^2.

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

EXTREMES FOR PERIOD OF RECORD.--MAXIMUM PEAK STAGE 55.71 ft., May 6, 2009, from floodmarks, backwater from ice, discharge undetermined.

15356000 YUKON RIVER AT EAGLE, AK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated; $\times 10^6$, million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	109,000	e52,000	e37,000	e27,000	e23,000	e20,500	e19,000	e22,000	e411,000	224,000	192,000	144,000
2	106,000	e51,000	e37,000	e27,000	e23,000	e20,500	e19,000	e22,000	e425,000	229,000	186,000	145,000
3	103,000	e50,000	e36,000	e27,000	e23,000	e20,500	e19,000	e23,000	436,000	225,000	182,000	143,000
4	99,700	e50,000	e36,000	e27,000	e22,500	e20,000	e19,000	e23,000	e450,000	214,000	178,000	141,000
5	97,300	e49,000	e36,000	e27,000	e22,500	e20,000	e19,000	e23,000	e452,000	205,000	172,000	141,000
6	96,100	e49,000	e35,000	e26,000	e22,500	e20,000	e19,000	e24,000	e445,000	195,000	164,000	144,000
7	96,800	e48,000	e35,000	e26,000	e22,500	e20,000	e19,000	e25,000	438,000	183,000	158,000	144,000
8	98,700	e48,000	e34,000	e26,000	e22,500	e20,000	e19,000	e27,000	e422,000	174,000	153,000	142,000
9	99,000	e47,000	e34,000	e26,000	e22,500	e20,000	e19,000	e30,000	e400,000	169,000	149,000	142,000
10	98,300	e47,000	e34,000	e26,000	e22,000	e19,500	e19,000	e34,000	e370,000	169,000	144,000	149,000
11	95,400	e47,000	e33,000	e26,000	e22,000	e19,500	e19,000	e40,000	e330,000	174,000	139,000	149,000
12	91,400	e46,000	e33,000	e26,000	e22,000	e19,500	e19,000	e50,000	e310,000	184,000	136,000	144,000
13	89,500	e46,000	e33,000	e25,000	e22,000	e19,500	e19,000	e80,000	e295,000	186,000	137,000	142,000
14	87,100	e46,000	e32,000	e25,000	e22,000	e19,500	e19,000	e120,000	e288,000	173,000	140,000	147,000
15	85,300	e45,000	e32,000	e25,000	e22,000	e19,500	e19,000	e160,000	e279,000	163,000	142,000	148,000
16	83,100	e45,000	e32,000	e25,000	e22,000	e19,500	e20,000	e220,000	e272,000	158,000	143,000	144,000
17	81,200	e45,000	e31,000	e25,000	e22,000	e19,500	e20,000	e280,000	e261,000	153,000	142,000	140,000
18	79,000	e44,000	e31,000	e25,000	e21,500	e19,500	e20,000	e293,000	e248,000	151,000	141,000	137,000
19	77,000	e44,000	e31,000	e25,000	e21,500	e19,500	e20,000	e283,000	240,000	151,000	149,000	134,000
20	76,400	e43,000	e31,000	e25,000	e21,500	e19,500	e20,000	e272,000	236,000	151,000	148,000	132,000
21	e74,000	e43,000	e30,000	e24,000	e21,500	e19,500	e20,000	e265,000	232,000	156,000	140,000	132,000
22	e73,000	e42,000	e30,000	e24,000	e21,500	e19,500	e20,000	e259,000	227,000	162,000	137,000	131,000
23	e70,000	e42,000	e30,000	e24,000	e21,000	e19,500	e21,000	265,000	222,000	176,000	135,000	129,000
24	e66,000	e41,000	e30,000	e24,000	e21,000	e19,500	e21,000	274,000	216,000	201,000	132,000	129,000
25	e62,000	e41,000	e29,000	e24,000	e21,000	e19,500	e21,000	e290,000	212,000	208,000	134,000	131,000
26	e59,000	e40,000	e29,000	e24,000	e21,000	e19,500	e21,000	e305,000	207,000	206,000	140,000	134,000
27	e57,000	e40,000	e29,000	e24,000	e20,500	e19,500	e21,000	e321,000	203,000	205,000	142,000	136,000
28	e56,000	e39,000	e28,000	e23,000	e20,500	e19,500	e22,000	e340,000	203,000	214,000	141,000	135,000
29	e55,000	e38,000	e28,000	e23,000	---	e19,000	e22,000	e360,000	208,000	220,000	139,000	134,000
30	e54,000	e38,000	e28,000	e23,000	---	e19,000	e22,000	383,000	217,000	215,000	139,000	132,000
31	e53,000	---	e28,000	e23,000	---	e19,000	---	e399,000	---	204,000	141,000	---
Total	2,528,300	1,346,000	992,000	777,000	612,500	609,000	596,000	5,512,000	9,155,000	5,798,000	4,615,000	4,175,000
Mean	81,560	44,870	32,000	25,060	21,880	19,650	19,870	177,800	305,200	187,000	148,900	139,200
Max	109,000	52,000	37,000	27,000	23,000	20,500	22,000	399,000	452,000	229,000	192,000	149,000
Min	53,000	38,000	28,000	23,000	20,500	19,000	19,000	22,000	203,000	151,000	132,000	129,000
Ac-ft	5,015,000	2,670,000	1,968,000	1,541,000	1,215,000	1,208,000	1,182,000	10.93×10^6	18.16×10^6	11.50×10^6	9,154,000	8,281,000
Cfsm	0.72	0.40	0.28	0.22	0.19	0.17	0.18	1.57	2.69	1.65	1.31	1.23
In.	0.83	0.44	0.33	0.25	0.20	0.20	0.20	1.81	3.00	1.90	1.51	1.37

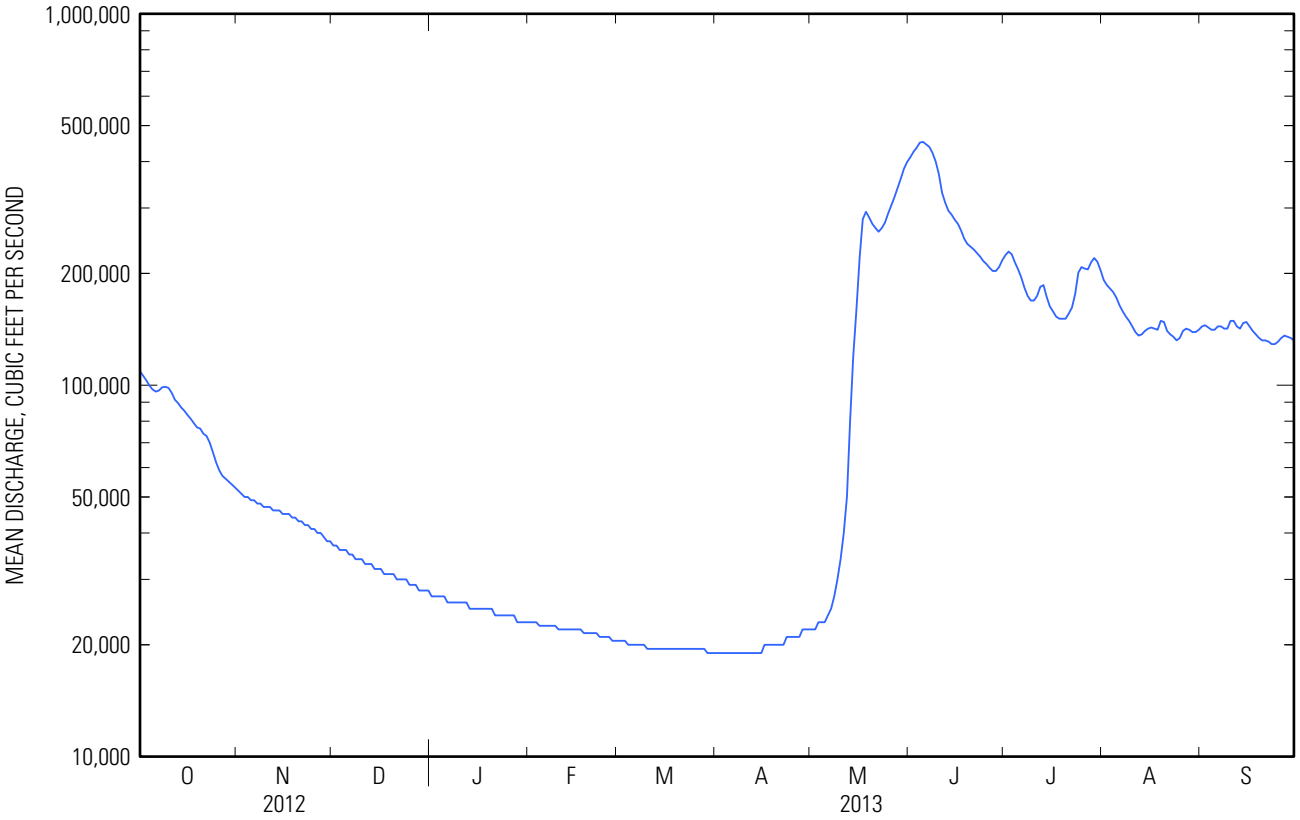
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2013, BY WATER YEAR (WY) #

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	75,850	39,310	26,680	21,660	19,090	17,460	19,510	127,800	222,800	182,300	144,300	114,100
Max	133,300	67,950	38,870	30,390	28,000	25,480	41,530	201,500	456,800	269,500	200,400	187,900
(WY)	(2001)	(2009)	(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)

15356000 YUKON RIVER AT EAGLE, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1950 - 2013#	
Annual total	34,270,300		36,715,800			
Annual mean	93,630		100,600		84,790	
Highest annual mean					110,900	1964
Lowest annual mean					61,020	1958
Highest daily mean	326,000	Jul 6	452,000	Jun 5	545,000	Jun 12, 1964
Lowest daily mean	18,500	Mar 24	19,000	Mar 29	7,200	Feb 1, 1951
Annual seven-day minimum	18,500	Mar 24	19,000	Mar 29	7,200	Feb 1, 1951
Maximum peak flow			498,000	Jun 5	545,000	Jun 12, 1964
Maximum peak stage			32.56	Jun 5	33.85	Jun 12, 1964
Maximum peak stage					[a]55.71	May 6, 2009
Annual runoff (ac-ft)	67,980,000		72,830,000		61,430,000	
Annual runoff (cfsm)	0.825		0.886		0.747	
Annual runoff (inches)	11.23		12.03		10.15	
10 percent exceeds	232,000		230,000		198,000	
50 percent exceeds	56,500		47,000		46,000	
90 percent exceeds	19,500		19,500		17,000	

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

[a] From floodmarks, backwater from ice 55.71 ft May 6, 2009.