Water-Data Report 2012

15453500 YUKON RIVER NEAR STEVENS VILLAGE, AK

Upper Yukon River Basin
Ramparts Subbasin

LOCATION.--Lat 65°52′32″, long 149°43′04″ referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.7, T.12 N., R.10 W., Yukon-Koyukuk Division, AK, Hydrologic Unit 19040404, (Livengood D-6 quad), 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^2, approximately.

SURFACE-WATER 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 243.80 ft NAVD88 (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^3/s, June 15-16, 1964, "at Rampart" (station 15468000), drainage area, 199,400 mi^2, approximately.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 15453500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/15453500.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated; $\times 10^6$, million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	159,000	80,400	e43,000	e35,000	e29,000	e26,000	e23,500	e75,000	468,000	282,000	251,000	155,000
2	157,000	78,400	e42,000	e35,000	e29,000	e26,000	e23,500	e86,500	473,000	287,000	244,000	158,000
3	155,000	72,300	e42,000	e34,000	e29,000	e26,000	e23,500	e95,500	474,000	294,000	e238,000	162,000
4	152,000	e68,000	e42,000	e34,000	e28,000	e26,000	e23,500	e104,000	464,000	298,000	e236,000	167,000
5	149,000	e69,000	e41,000	e34,000	e28,000	e25,500	e23,500	e114,000	450,000	304,000	e235,000	172,000
6	146,000	e70,000	e41,000	e34,000	e28,000	e25,500	e23,500	e128,000	435,000	317,000	e229,000	175,000
7	142,000	e70,000	e41,000	e34,000	e28,000	e25,500	e23,500	e136,000	417,000	342,000	e219,000	181,000
8	139,000	e69,000	e41,000	e33,000	e28,000	e25,500	e24,000	e148,000	396,000	369,000	219,000	189,000
9	135,000	e69,000	e40,000	e33,000	e28,000	e25,500	e24,000	e157,000	375,000	387,000	220,000	195,000
10	132,000	e68,000	e40,000	e33,000	e28,000	e25,000	e24,000	e161,000	358,000	391,000	219,000	197,000
11	128,000	e68,000	e40,000	e33,000	e28,000	e25,000	e24,000	e164,000	346,000	379,000	212,000	193,000
12	e125,000	e67,000	e40,000	e33,000	e28,000	e25,000	e24,000	e164,000	341,000	360,000	203,000	188,000
13	e122,000	e67,000	e39,000	e32,000	e28,000	e25,000	e24,000	e166,000	344,000	340,000	195,000	182,000
14	e119,000	e66,000	e39,000	e32,000	e27,500	e24,500	e24,000	e168,000	350,000	328,000	188,000	176,000
15	e116,000	e66,000	e39,000	e32,000	e27,500	e24,500	e24,000	e168,000	357,000	321,000	185,000	170,000
16	e113,000	e66,000	e39,000	e32,000	e27,500	e24,500	e24,500	e171,000	362,000	317,000	189,000	167,000
17	e110,000	e66,000	e38,000	e32,000	e27,500	e24,500	e24,500	e171,000	366,000	311,000	196,000	163,000
18	e108,000	e65,000	e38,000	e31,000	e27,500	e24,500	e24,500	e173,000	369,000	304,000	197,000	161,000
19	105,000	e64,000	e38,000	e31,000	e27,000	e24,000	e24,500	e178,000	368,000	306,000	194,000	158,000
20	103,000	e63,000	e38,000	e31,000	e27,000	e24,000	e24,500	e188,000	358,000	311,000	192,000	157,000
21	101,000	e62,000	e37,000	e31,000	e27,000	e24,000	e24,500	e210,000	345,000	310,000	189,000	157,000
22	98,900	e61,000	e37,000	e31,000	e27,000	e24,000	e24,500	e225,000	333,000	301,000	185,000	158,000
23	96,800	e60,000	e37,000	e30,000	e26,500	e24,000	e25,000	256,000	319,000	292,000	182,000	158,000
24	90,900	e58,000	e37,000	e30,000	e26,500	e24,000	e25,000	296,000	306,000	289,000	178,000	162,000
25	86,500	e56,000	e36,000	e30,000	e26,500	e23,500	e26,000	330,000	296,000	288,000	173,000	166,000
26	87,400	e54,000	e36,000	e30,000	e26,500	e23,500	e28,000	355,000	289,000	289,000	169,000	168,000
27	86,200	e52,000	e36,000	e30,000	e26,500	e23,500	e32,000	375,000	286,000	287,000	165,000	171,000
28	84,100	e49,000	e36,000	e29,000	e26,500	e23,500	e38,000	394,000	285,000	282,000	162,000	175,000
29	82,100	e47,000	e35,000	e29,000	e26,000	e23,500	e50,000	422,000	283,000	274,000	159,000	177,000
30	80,500	e45,000	e35,000	e29,000	---	e23,500	e65,000	452,000	281,000	266,000	156,000	174,000
31	80,400	---	e35,000	e29,000	---	e23,500	---	465,000	---	258,000	154,000	---
Total	3,589,800	1,916,100	1,198,000	986,000	797,500	762,500	817,000	6,696,000	10.89×10^6	9,684,000	6,133,000	5,132,000
Mean	115,800	63,870	38,650	31,810	27,500	24,600	27,230	216,000	363,100	312,400	197,800	171,100
Max	159,000	80,400	43,000	35,000	29,000	26,000	65,000	465,000	474,000	391,000	251,000	197,000
Min	80,400	45,000	35,000	29,000	26,000	23,500	23,500	75,000	281,000	258,000	154,000	155,000
Ac-ft	7,120,000	3,801,000	2,376,000	1,956,000	1,582,000	1,512,000	1,621,000	13.28×10^6	21.61×10^6	19.21×10^6	12.16×10^6	10.18×10^6
Cfsm	0.59	0.33	0.20	0.16	0.14	0.13	0.14	1.10	1.85	1.59	1.01	0.87
In.	0.68	0.36	0.23	0.19	0.15	0.14	0.15	1.27	2.06	1.84	1.16	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	102,600	52,850	37,410	30,090	25,230	22,250	22,230	213,900	326,500	233,600	201,800	166,500
Max	164,500	79,300	48,450	37,680	32,140	28,970	28,170	373,000	614,100	320,200	275,900	229,500
(WY)	(2001)	(2009)	(1983)	(1977)	(1981)	(1981)	(1981)	(1991)	(1992)	(1992)	(2010)	(2000)
Min	75,340	34,530	26,770	23,550	19,320	16,000	14,800	90,680	187,800	168,600	142,400	97,800
(WY)	(1993)	(1990)	(1990)	(1996)	(1999)	(1999)	(1997)	(1992)	(2010)	(2004)	(1989)	(2004)

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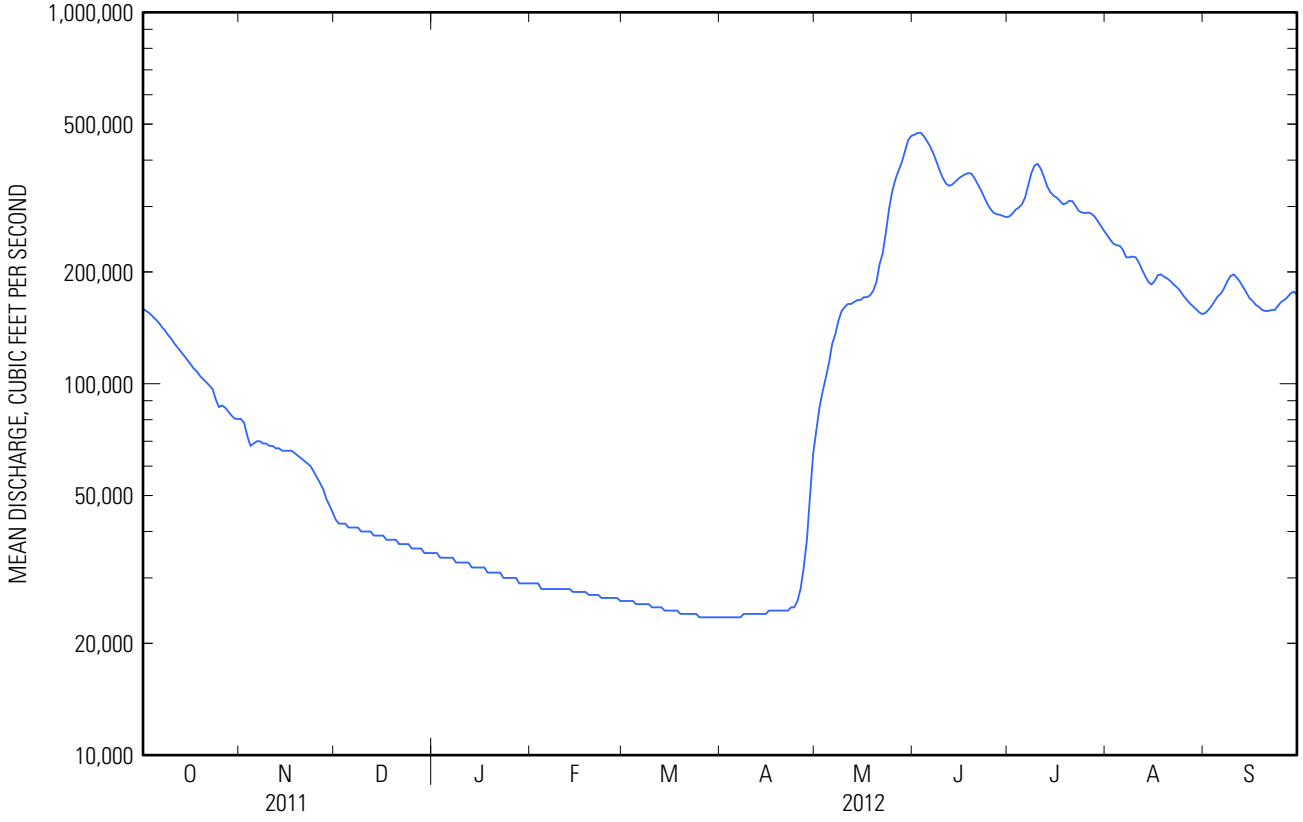
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1977 - 2012	
Annual total	49,128,900		48,605,900			
Annual mean	134,600		132,800		120,100	
Highest annual mean					144,400	1992
Lowest annual mean					93,910	1996
Highest daily mean	609,000	May 31	474,000	Jun 3	823,000	Jun 11, 1992
Lowest daily mean	17,000	Mar 28	23,500	Mar 25	14,000	Apr 14, 1997
Annual seven-day minimum	17,000	Mar 28	23,500	Mar 25	14,000	Apr 14, 1997
Maximum peak flow			476,000	Jun 2	827,000	Jun 11, 1992
Maximum peak stage			47.20	Jun 2	59.60	Jun 11, 1992
Annual runoff (ac-ft)	97,450,000		96,410,000		86,970,000	
Annual runoff (cfsm)	0.686		0.677		0.612	
Annual runoff (inches)	9.31		9.21		8.31	
10 percent exceeds	314,000		329,000		279,000	
50 percent exceeds	69,000		80,400		60,000	
90 percent exceeds	17,500		24,500		22,000