05496000 WYACONDA RIVER ABOVE CANTON, MO

Upper Mississippi Basin
Wyaconda Subbasin

LOCATION.--Lat 40°08'31.6", long 91°33'56.5" referenced to North American Datum of 1983, in SW ¼ SW ¼ NE ¼ sec.28, T.62 N., R.6 W., Lewis County, MO, Hydrologic Unit 07110001, on left bank at downstream side of State Route 16 bridge, 1.9 mi upstream from Sugar Creek, 2.5 mi west of Canton, and at mi 16.7 upstream from the mouth.

DRAINAGE AREA.--393 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1932 to September 1972, October 1979 to current year.

REVISED RECORDS.--WDR MO-92-1: 1991(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 517.41 ft above National Geodetic Vertical Datum of 1929. Prior to May 1, 1939, nonrecording gage 500 ft downstream at datum 2.00 ft lower; Sept. 25, 1975, to Sept. 17, 1979, nonrecording gage at present site and at datum 2.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 19	0115	4,290	17.78
Apr 23	1345	3,690	16.39
May 27	1900	5,680	20.63
Jun 3	1015	3,470	15.84
Jun 16	1815	*13,700	*28.25
Jun 19	0615	3,770	16.57
Jun 22	1600	5,460	20.26
Jun 26	0145	3,540	16.02
Jun 29	1400	9,050	24.60

Minimum discharge, 0.77 ft^3/s, Sept. 26, gage height, 2.45 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 05496000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/05496000.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	134	22	34	512	e20	1,380	80	190	522	2,160	23	5.4
2	103	20	34	271	e34	785	77	151	1,330	844	19	6.4
3	82	19	28	173	e29	645	72	124	3,190	519	16	5.6
4	68	22	24	189	e25	380	80	106	1,270	329	14	4.2
5	59	20	22	156	e22	1,490	103	94	677	247	13	3.2
6	52	18	22	e76	e20	1,400	95	90	925	201	12	4.0
7	49	18	22	e63	e19	584	79	92	288	168	11	4.8
8	45	18	18	e51	e19	354	75	83	162	129	11	4.0
9	40	18	14	e41	e19	863	421	73	111	103	10	3.6
10	38	18	14	e37	e18	2,030	308	66	766	81	11	3.9
11	36	19	17	e31	e18	863	182	62	1,210	69	13	3.5
12	32	22	20	e26	e21	442	125	61	545	62	11	3.4
13	30	24	13	e23	e25	304	95	54	409	57	11	3.6
14	28	29	17	e21	e34	226	79	51	5,060	55	9.6	3.1
15	26	29	19	e20	e154	194	74	63	8,600	72	8.2	2.4
16	24	27	17	e19	1,520	172	105	116	12,900	53	7.5	1.8
17	22	25	17	e18	3,060	154	330	230	11,300	46	7.2	1.5
18	22	23	19	e19	3,880	139	222	136	5,710	42	7.1	2.2
19	21	21	21	e24	3,480	126	711	86	3,450	38	7.6	2.7
20	20	19	24	e21	1,180	115	1,940	68	2,930	36	7.2	2.2
21	20	18	24	e19	931	117	853	79	3,970	34	7.0	2.3
22	19	19	24	e19	670	108	1,690	168	5,190	35	6.7	2.7
23	22	19	26	e18	349	106	3,580	307	3,620	28	6.5	2.4
24	29	37	28	e16	218	365	1,900	302	1,080	26	5.4	3.5
25	36	31	28	e16	165	181	733	1,770	1,110	26	4.8	2.3
26	86	26	24	e19	142	135	461	4,360	2,460	23	4.7	1.4
27	57	22	24	e20	211	118	963	5,330	5,910	21	3.9	4.0
28	39	20	24	e20	1,400	103	779	3,820	6,450	19	3.3	3.6
29	30	20	26	e19	---	93	386	1,030	8,630	20	3.0	3.0
30	25	22	30	e19	---	87	249	2,360	6,410	46	4.7	3.6
31	23	---	111	e20	---	85	---	1,340	---	37	4.8	---
Mean	42.5	22.2	25.3	64.4	632	456	562	737	3,540	181	9.17	3.34
Max	134	37	111	512	3,880	2,030	3,580	5,330	12,900	2,160	23	6.4
Min	19	18	13	16	18	85	72	51	111	19	3.0	1.4
In.	0.12	0.06	0.07	0.19	1.67	1.34	1.59	2.16	10.05	0.53	0.03	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2011[a], BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	147	170	160	165	356	424	440	494	458	290	145	173
Max	1,677	1,463	1,399	946	1,529	1,346	1,809	3,196	3,540	2,792	2,242	2,510
(WY)	(1987)	(1986)	(1983)	(1946)	(2001)	(1985)	(1983)	(1996)	(2011)	(1993)	(1970)	(1986)
Min	0.00	0.00	0.47	0.10	2.05	7.53	3.38	1.69	0.66	0.02	0.00	0.02
(WY)	(1954)	(1954)	(1954)	(1954)	(1989)	(1957)	(1956)	(1934)	(1956)	(1934)	(1934)	(1953)

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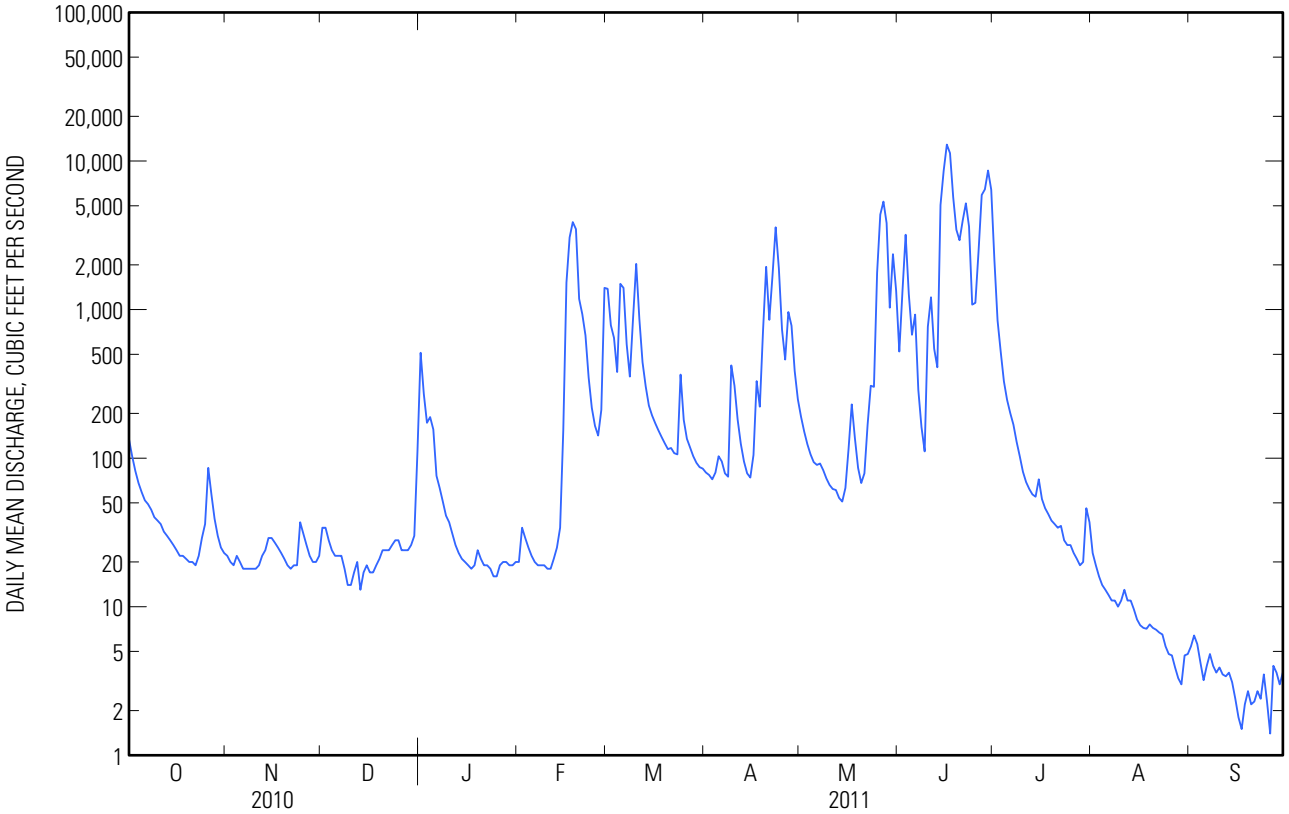
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1933 - 2011[a]	
Annual mean	875		516		284	
Highest annual mean					1,128	2010
Lowest annual mean					14.2	1989
Highest daily mean	10,200	May 15	12,900	Jun 16	16,500	Sep 22, 1986
Lowest daily mean	13	Dec 13	1.4	Sep 26	0.00	Many Years
Annual seven-day minimum	16	Dec 8	2.2	Sep 15	0.00	Many Years
Maximum peak flow			13,700	Jun 16	17,700	Jun 30, 1933
Maximum peak stage			28.25	Jun 16	31.33	Sep 22, 1986
Instantaneous low flow			0.77	Sep 26	0.00	Many Years
Annual runoff (inches)	30.22		17.84		9.83	
10 percent exceeds	3,220		1,330		602	
50 percent exceeds	139		36		34	
90 percent exceeds	22		5.5		2.5	

[a] For Period of Record



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
OBSERVATION AT 0800
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	3.13	3.27	5.79	3.92	10.67	3.70	4.76	7.01	12.78	2.88	2.52
2	4.10	3.11	3.33	5.55	e3.93	8.21	3.67	4.46	8.17	8.13	2.81	2.57
3	3.88	3.09	3.22	4.96	e3.98	7.83	3.57	4.25	15.79	6.58	2.76	2.56
4	3.72	3.14	3.16	5.23	4.38	6.07	3.65	4.09	10.09	5.47	2.72	2.51
5	3.64	3.10	3.16	4.88	e3.91	8.28	3.88	3.98	6.57	4.92	2.68	2.49
6	3.55	3.06	3.18	4.55	e3.88	10.85	3.88	3.93	9.05	4.60	2.68	2.48
7	e3.54	3.06	3.11	3.92	e3.96	7.16	3.68	3.97	5.72	4.35	2.66	2.54
8	3.50	3.06	3.06	4.25	3.87	5.77	3.62	3.88	4.78	4.10	2.66	2.52
9	3.44	3.06	3.01	e4.11	e3.87	5.99	6.22	3.78	4.34	3.81	2.65	2.51
10	3.40	3.07	2.92	e4.06	e3.86	12.90	5.48	3.70	10.78	3.57	2.63	2.51
11	3.34	3.08	3.02	e3.90	e3.88	8.30	4.60	3.65	9.91	3.46	2.71	2.52
12	3.29	3.07	3.13	e3.83	e3.85	6.20	4.13	3.65	7.25	3.39	2.66	2.51
13	e3.24	3.14	2.91	e3.70	3.93	5.41	3.86	3.57	5.39	3.32	2.65	2.52
14	e3.20	3.24	2.97	e3.89	3.96	4.88	3.70	3.50	19.33	3.27	2.63	2.52
15	3.20	3.25	3.04	e3.82	5.05	4.60	3.59	3.60	23.28	3.55	2.59	2.48
16	3.17	3.22	3.10	e3.78	9.14	4.46	3.74	3.90	27.56	3.29	2.57	2.46
17	3.13	3.20	3.04	e3.82	14.20	4.33	5.48	5.10	27.32	3.19	2.56	e2.46
18	3.13	3.15	3.06	e3.83	16.75	4.23	4.90	4.38	21.72	3.15	2.56	e2.46
19	e3.11	3.12	3.18	e3.80	17.39	4.10	4.70	3.94	16.44	3.09	2.57	2.51
20	e3.11	3.08	3.17	e3.86	9.95	4.01	12.49	3.71	13.37	3.06	2.56	2.50
21	3.11	3.06	3.18	e3.76	8.42	4.00	8.31	3.86	16.57	3.03	2.56	2.50
22	3.07	3.08	3.15	3.70	7.93	3.96	6.37	4.49	19.64	3.04	e2.53	2.53
23	3.13	3.08	3.19	3.81	6.19	3.92	16.19	4.68	18.21	2.95	2.55	2.50
24	3.25	3.40	3.20	e3.89	5.30	6.32	12.30	5.62	9.49	2.89	2.53	2.56
25	3.29	3.26	3.23	3.99	4.87	4.58	7.72	7.43	6.97	2.94	2.50	2.51
26	4.06	3.21	3.09	e4.04	4.68	4.17	6.23	17.68	13.97	2.87	2.50	2.49
27	3.68	3.13	3.18	e4.05	4.58	4.06	7.98	19.69	21.08	2.84	2.48	2.60
28	3.38	3.11	3.05	4.15	10.36	3.93	8.00	18.98	21.30	2.80	2.46	2.61
29	3.26	3.09	3.09	3.76	---	3.83	6.02	9.00	24.25	2.83	2.45	2.60
30	3.20	3.14	3.25	3.84	---	3.76	5.16	13.10	22.60	2.78	2.45	2.66
31	3.15	---	3.35	3.87	---	3.74	---	10.17	---	3.11	2.51	---
Mean	---	3.13	3.13	4.14	6.43	5.82	5.89	6.27	14.27	3.97	2.60	2.52
Max	---	3.40	3.35	5.79	17.39	12.90	16.19	19.69	27.56	12.78	2.88	2.66
Min	---	3.06	2.91	3.70	3.85	3.74	3.57	3.50	4.34	2.78	2.45	2.46