Water-Data Report 2013

06928420 ROUBIDOUX CREEK AT POLLA ROAD BELOW FT. LEONARD WOOD, MO

Lower Missouri Basin
Gasconade Subbasin

LOCATION.--Lat 37°47′31″, long 92°11′00″ referenced to North American Datum of 1983, in SE ¼ SE ¼ NW ¼ sec.6, T.35 N., R.11 W., Pulaski County, MO, Hydrologic Unit 10290201, on the downstream side of the bridge, on Polla Road, 1.3 mi east of I-44, 3.4 mi upstream from Roubidoux Spring, and 6.39 mi. upstream from confluence of stream with Gasconade River.

DRAINAGE AREA.--273 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 23, 2008 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is unknown.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,600 ft^3/s, Aug. 6, gage height, 20.07 ft, from crest-stage gage; minimum discharge, 0.00 ft^3/s, on many days.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 06928420, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/06928420.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	192	308	250	285	1,710	1.4	0.00	0.00
2	0.00	0.00	0.00	0.00	64	203	190	206	2,110	1.3	0.00	0.00
3	0.00	0.00	0.00	0.00	32	136	138	222	600	1.2	163	0.00
4	0.00	0.00	0.00	0.00	15	95	100	274	360	1.0	37	0.00
5	0.00	0.00	0.00	0.00	2.5	66	63	251	240	0.89	570	0.00
6	0.00	0.00	0.00	0.00	0.71	49	32	191	166	0.72	e23,000	0.00
7	0.00	0.00	0.00	0.00	0.37	26	9.5	149	103	0.54	e10,600	0.00
8	0.00	0.00	0.00	0.00	0.29	6.5	2.2	111	43	0.38	e8,890	0.00
9	0.00	0.00	0.00	0.00	0.20	1.6	16	82	14	0.23	6,250	0.00
10	0.00	0.00	0.00	0.00	0.32	18	7.2	56	4.9	0.19	2,810	0.00
11	0.00	0.00	0.00	0.00	0.39	790	2,080	37	3.0	0.12	e1,240	0.00
12	0.00	0.00	0.00	0.00	14	534	1,030	25	2.4	0.04	e744	0.00
13	0.00	0.00	0.00	0.00	45	295	443	7.3	1.9	0.01	690	0.00
14	0.00	0.00	0.00	0.00	23	181	261	0.99	1.6	0.00	504	0.00
15	0.00	0.00	0.00	0.00	17	116	171	0.12	1.5	0.00	340	0.00
16	0.00	0.00	0.00	0.00	6.1	71	118	0.04	1.5	0.00	211	0.00
17	0.00	0.00	0.00	0.00	1.4	675	74	0.06	1.4	0.00	92	0.00
18	0.00	0.00	0.00	0.00	0.72	2,190	191	0.20	1.4	0.00	e33	0.00
19	0.00	0.00	0.00	0.00	0.57	923	2,400	0.27	1.2	0.00	e12	0.00
20	0.00	0.00	0.00	0.00	0.39	456	671	0.40	1.0	0.00	6.3	0.00
21	0.00	0.00	e0.00	0.00	0.45	293	e369	0.43	0.91	0.00	3.6	0.00
22	0.00	0.00	e0.00	0.00	0.44	205	e254	0.28	0.90	0.00	2.1	0.00
23	0.00	0.00	0.00	0.00	0.33	152	e196	0.20	1.0	0.00	1.1	0.00
24	0.00	0.00	0.00	0.00	0.30	125	e225	0.14	1.2	0.00	0.49	0.00
25	0.00	0.00	0.00	0.00	0.49	288	229	0.12	1.2	0.00	0.23	0.00
26	0.00	0.00	e0.00	0.00	771	324	180	0.10	1.1	0.00	0.13	0.00
27	0.00	0.00	e0.00	0.00	1,180	238	1,320	0.07	1.1	0.00	0.07	0.00
28	0.00	0.00	0.00	0.00	515	182	1,340	0.10	6.9	0.00	0.04	0.00
29	0.00	0.00	0.00	0.00	---	192	672	0.08	3.0	0.00	0.02	0.00
30	0.00	0.00	0.00	805	---	303	415	0.12	1.8	0.00	0.01	0.00
31	0.00	---	0.00	844	---	280	---	173	---	0.00	0.00	---
Mean	0.00	0.00	0.00	53.2	103	314	448	66.9	180	0.26	1,813	0.00
Max	0.00	0.00	0.00	844	1,180	2,190	2,400	285	2,110	1.4	23,000	0.00
Min	0.00	0.00	0.00	0.00	0.20	1.6	2.2	0.04	0.90	0.00	0.00	0.00
In.	0.00	0.00	0.00	0.22	0.39	1.32	1.83	0.28	0.73	0.00	7.66	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2009 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	222	65.8	9.47	62.2	112	272	426	255	103	2.37	363	17.6
Max	888	207	24.0	242	193	432	1,222	440	204	9.10	1,813	85.1
(WY)	(2010)	(2010)	(2012)	(2010)	(2009)	(2012)	(2011)	(2011)	(2009)	(2010)	(2013)	(2010)
Min	0.00	0.00	0.00	2.08	43.7	105	24.8	0.56	0.03	0.00	0.00	0.00
(WY)	(2013)	(2013)	(2013)	(2011)	(2012)	(2009)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

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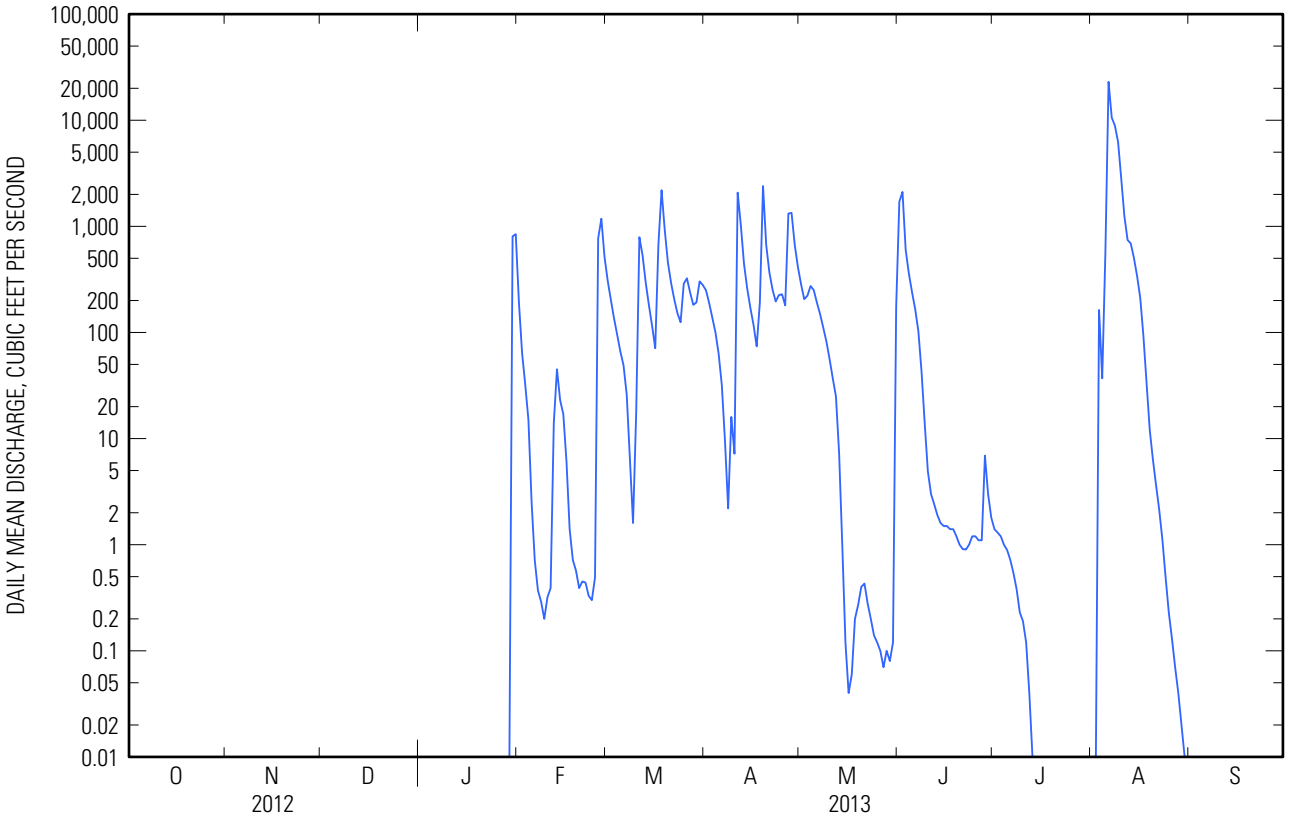
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2009 - 2013	
Annual mean	42.7		250		169	
Highest annual mean					250	2013
Lowest annual mean					45.4	2012
Highest daily mean	5,720	Mar 22	23,000	Aug 6	23,000	Aug 6, 2013
Lowest daily mean	0.00	Most Days	0.00	Many Days	0.00	Each Year
Annual seven-day minimum	0.00	May 21[a]	0.00	Oct 1[b]	0.00	At Times
Maximum peak flow			38,600	Aug 6	38,600	Aug 6, 2013
Maximum peak stage			[c]20.07	Aug 6	[c]20.07	Aug 6, 2013
Instantaneous low flow			0.00	Many Days	0.00	Each Year
Annual runoff (inches)	2.13		12.45		8.43	
10 percent exceeds	9.8		330		254	
50 percent exceeds	0.00		0.10		0.99	
90 percent exceeds	0.00		0.00		0.00	

[a] Also Jun 5, Jun 23
[b] Also Jul 14, Aug 31
[c] From crest-stage gage



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
OBSERVATION AT 0800
[e, estimated; <, less than]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	<0.52	<0.52	<0.52	<0.52	3.68	3.68	3.44	3.60	4.20	1.49	0.94	2.03
2	<0.52	<0.52	<0.52	<0.52	3.12	3.29	3.25	3.27	6.49	1.48	0.90	2.02
3	<0.52	<0.52	<0.52	<0.52	2.77	3.00	3.00	3.28	4.36	1.46	3.63	e1.99
4	<0.52	<0.52	<0.52	<0.52	2.42	2.78	2.80	3.48	3.65	1.45	2.68	1.95
5	<0.52	<0.52	<0.52	<0.52	2.01	2.61	2.58	3.45	3.22	1.43	2.27	1.93
6	<0.52	<0.52	<0.52	<0.52	1.83	2.49	2.38	3.22	2.95	1.41	e17.95	1.92
7	<0.52	<0.52	<0.52	<0.52	1.75	2.31	2.04	3.05	2.67	1.38	---	1.90
8	<0.52	<0.52	<0.52	<0.52	1.75	1.94	1.77	2.87	2.30	1.35	e8.72	1.87
9	<0.52	<0.52	<0.52	<0.52	1.71	1.70	2.26	2.69	1.88	1.32	11.05	1.84
10	<0.52	<0.52	<0.52	<0.52	1.75	1.66	1.88	2.56	1.69	1.30	7.07	1.80
11	<0.52	<0.52	<0.52	<0.52	1.76	4.80	5.46	2.38	1.60	1.26	e5.70	1.76
12	<0.52	<0.52	<0.52	<0.52	1.76	4.39	5.04	2.28	1.56	1.20	e4.89	1.71
13	<0.52	<0.52	<0.52	<0.52	2.74	3.65	3.99	1.98	1.53	1.14	4.48	1.67
14	<0.52	<0.52	<0.52	<0.51	2.49	3.20	3.48	1.65	1.50	1.09	4.09	1.62
15	<0.52	<0.52	<0.52	<0.51	2.41	2.90	3.15	1.46	1.49	1.05	3.75	1.58
16	<0.52	<0.52	<0.52	<0.52	2.18	2.66	2.90	1.38	1.49	1.04	3.39	1.55
17	<0.52	<0.52	<0.52	<0.52	1.91	2.88	2.66	1.41	1.48	0.99	3.00	1.54
18	<0.52	<0.52	<0.52	<0.52	1.83	6.97	2.51	1.49	1.48	0.94	e2.70	1.54
19	<0.52	<0.52	<0.52	<0.52	1.80	5.22	7.76	1.52	1.47	0.91	e2.52	1.57
20	<0.52	<0.52	<0.52	<0.52	1.77	4.16	4.69	1.54	1.45	0.86	2.47	1.78
21	<0.52	<0.52	e0.53	<0.52	1.76	3.63	3.88	1.55	1.43	0.83	2.42	1.72
22	<0.52	<0.52	e0.55	<0.52	1.78	3.28	3.47	1.51	1.43	0.80	2.37	1.62
23	<0.52	<0.52	<0.55	<0.52	1.75	3.06	3.20	1.48	1.46	0.96	2.32	1.61
24	<0.52	<0.52	<0.55	<0.52	1.74	2.91	3.28	1.46	1.46	1.04	2.26	1.59
25	<0.52	<0.52	e0.54	<0.52	1.75	3.34	3.36	1.45	1.46	1.01	2.22	1.60
26	<0.54	<0.52	e0.53	<0.52	2.59	3.72	3.16	1.44	1.46	0.97	2.19	1.58
27	<0.53	<0.52	e0.53	<0.52	5.61	3.40	4.84	1.41	1.45	1.00	2.16	1.55
28	<0.52	<0.52	<0.52	<0.52	4.32	3.19	5.98	1.42	1.54	0.96	2.14	1.51
29	<0.52	<0.52	<0.52	<0.52	---	3.25	4.68	1.42	1.61	0.92	2.11	1.53
30	<0.52	<0.52	<0.52	0.70	---	3.61	4.03	1.41	1.52	0.95	2.09	1.49
31	<0.52	---	<0.52	4.96	---	3.54	---	1.57	---	0.97	2.06	---
Mean	0.52	0.52	0.52	0.67	2.31	3.33	3.56	2.09	2.11	1.13	---	1.71
Max	0.54	0.52	0.55	4.96	5.61	6.97	7.76	3.60	6.49	1.49	---	2.03
Min	0.52	0.52	0.52	0.51	1.71	1.66	1.77	1.38	1.43	0.80	---	1.49