

Water-Data Report 2013

06921350 POMME DE TERRE RIVER NEAR HERMITAGE, MO

Lower Missouri Basin
Osage Subbasin

LOCATION.--Lat 37°54'21.8", long 93°19'44.1" referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.2, T.36 N., R.22 W., Hickory County, MO, Hydrologic Unit 10290107, on right bank 2,000 ft downstream from outlet of Pomme de Terre Lake, 2.5 mi southwest of Hermitage, 4.5 mi upstream from Green Branch, and at mile 43.4.

DRAINAGE AREA.--615 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 749.87 ft above North American Vertical Datum of 1988.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Pomme de Terre Lake (station 06931325) 0.25 mi upstream since June 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,560 ft³/s, Apr. 30, May 1, 7, 8, gage height, 8.85 ft; minimum discharge, 43 ft³/s, on several days, gage height, 1.76 ft.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	46	47	48	49	362	2,780	3,540	701	227	103	78
2	46	46	47	47	49	362	2,780	3,530	1,620	227	103	78
3	46	46	47	46	49	362	2,770	3,530	1,620	227	108	78
4	46	46	50	46	49	362	1,980	3,520	1,610	227	106	78
5	46	46	49	46	49	364	811	3,510	1,610	227	171	78
6	46	46	49	46	49	364	809	3,500	1,600	227	1,140	78
7	46	46	49	45	49	364	810	2,830	1,600	227	2,040	77
8	46	46	49	45	49	363	810	2,690	1,590	226	2,030	77
9	46	46	49	44	49	362	1,640	2,690	1,590	225	2,070	77
10	46	46	49	44	50	387	2,130	2,780	1,580	225	2,060	77
11	46	47	49	44	50	1,590	1,660	2,770	1,580	298	2,060	77
12	46	47	49	44	50	2,880	2,490	2,770	1,570	463	2,060	77
13	47	47	49	44	50	2,850	2,830	1,520	1,570	463	2,050	77
14	47	47	49	44	50	2,840	2,830	484	1,560	463	2,520	77
15	46	47	49	44	51	2,830	2,820	484	1,560	240	2,810	77
16	46	47	49	44	51	2,810	2,810	1,240	1,560	104	2,800	61
17	46	47	49	44	52	2,830	2,800	1,560	1,560	104	2,790	46
18	46	47	49	43	52	2,840	938	268	1,570	104	2,780	46
19	46	47	49	43	53	2,820	939	267	1,570	103	2,770	46
20	45	47	49	43	53	2,820	2,090	270	1,570	103	2,760	46
21	45	47	49	43	54	2,810	2,090	272	1,560	103	2,640	46
22	45	47	49	43	54	2,810	2,490	273	1,560	103	2,530	46
23	46	47	49	43	53	2,760	2,850	274	1,560	103	1,260	160
24	46	47	49	43	51	2,750	2,830	276	1,560	103	78	1,490
25	46	47	49	43	51	2,760	2,830	277	1,550	103	78	1,940
26	46	47	49	43	54	2,790	2,830	278	1,550	103	77	1,440
27	46	47	49	43	52	2,780	2,850	278	1,550	104	77	48
28	46	47	49	43	229	2,770	2,860	278	1,090	104	77	48
29	46	47	49	48	---	2,770	2,860	278	227	104	77	48
30	46	47	48	52	---	2,780	3,200	278	227	104	77	48
31	46	---	48	49	---	2,780	---	283	---	103	77	---
Mean	46.0	46.7	48.8	44.7	57.2	1,978	2,241	1,510	1,441	189	1,367	224
Max	47	47	50	52	229	2,880	3,200	3,540	1,620	463	2,810	1,940
Min	45	46	47	43	49	362	809	267	227	103	77	46
In.	0.09	0.08	0.09	0.08	0.10	3.71	4.07	2.83	2.61	0.35	2.56	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	305	485	552	516	575	846	921	987	699	344	154	169
Max	3,116	2,872	2,886	2,241	2,100	3,487	2,968	4,799	2,397	2,349	1,367	1,529
(WY)	(1994)	(1987)	(1986)	(2005)	(1975)	(1985)	(2008)	(1961)	(2002)	(1995)	(2013)	(2010)
Min	13.1	7.50	20.5	20.4	21.5	24.6	26.8	26.4	31.9	26.0	18.6	1.27
(WY)	(1969)	(1977)	(1963)	(1962)	(1963)	(1963)	(1963)	(1963)	(1969)	(1970)	(1961)	(1960)

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SUMMARY STATISTICS

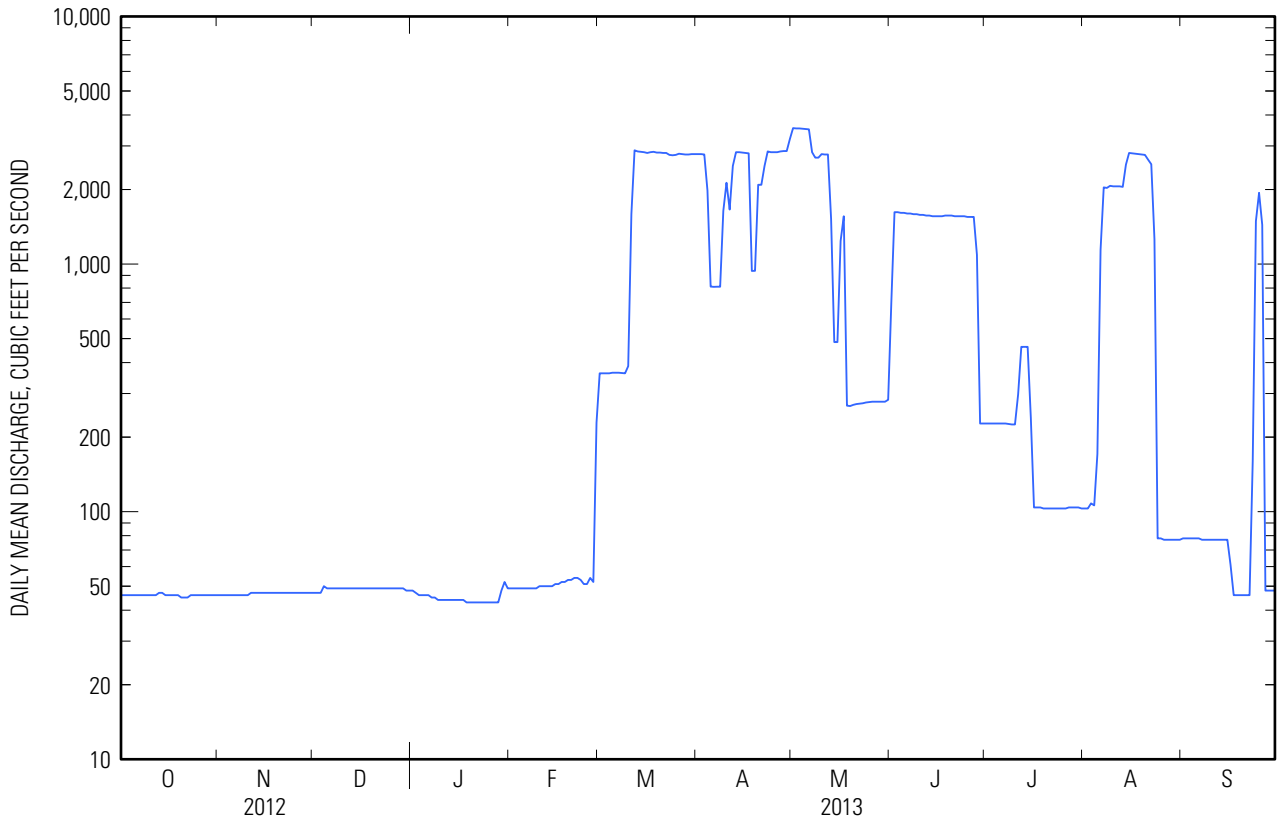
	Calendar Year 2012		Water Year 2013		Water Years 1960 - 2013	
Annual mean	282		769		546	
Highest annual mean					1,163	1973
Lowest annual mean					67.8	1963
Highest daily mean	3,030	Mar 27	3,540	May 1	9,000	May 9, 1961
Lowest daily mean	1.3	Apr 3	43	Jan 18 ^a	0.00	At Times ^b
Annual seven-day minimum	25	Mar 31	43	Jan 18	0.00	Mar 9, 1971
Maximum peak flow			3,560	Apr 30 ^c	9,000	May 9, 1961
Maximum peak stage			8.85	Apr 30	15.02	May 9, 1961
Instantaneous low flow			43	Jan 18 ^d	0.00	At Times ^b
Annual runoff (inches)	6.23		16.99		12.06	
10 percent exceeds	1,110		2,780		1,950	
50 percent exceeds	48		78		103	
90 percent exceeds	45		46		44	

^a Also Jan 19-28

^b 1960, 1971, 1977

^c Also May 1, 7, 8

^d Also Jan 19-29



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
OBSERVATION AT 0800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.76	1.81	1.82	1.82	1.79	3.39	7.97	8.83	3.11	2.81	2.06	2.06
2	1.76	1.81	1.82	1.82	1.79	3.39	7.97	8.82	6.34	2.81	2.06	2.07
3	1.76	1.81	1.82	1.81	1.79	3.39	7.95	8.82	6.34	2.81	2.14	2.07
4	1.76	1.81	1.85	1.80	1.79	3.39	7.95	8.82	6.33	2.81	2.08	2.07
5	1.76	1.81	1.84	1.80	1.79	3.40	4.75	8.81	6.32	2.81	3.93	2.07
6	1.76	1.81	1.83	1.80	1.79	3.40	4.74	8.80	6.32	2.81	2.15	2.07
7	1.76	1.81	1.83	1.79	1.79	3.40	4.74	7.14	6.31	2.81	7.00	2.06
8	1.76	1.81	1.83	1.79	1.79	3.40	4.74	7.11	6.30	2.81	6.98	2.06
9	1.76	1.81	1.83	1.78	1.79	3.39	6.04	7.07	6.29	2.80	7.01	2.06
10	1.76	1.81	1.83	1.78	1.80	3.47	7.02	7.97	6.28	2.80	7.01	2.06
11	1.76	1.81	1.83	1.78	1.81	3.45	6.08	7.96	6.27	2.80	7.02	2.06
12	1.76	1.82	1.83	1.78	1.81	8.09	7.05	7.95	6.26	3.76	7.02	2.06
13	1.76	1.82	1.83	1.78	1.81	8.06	8.04	7.94	6.25	3.76	7.01	2.06
14	1.78	1.82	1.83	1.78	1.81	8.04	8.02	3.83	6.25	3.76	7.01	2.06
15	1.77	1.82	1.83	1.78	1.81	8.03	8.01	3.83	6.25	3.76	8.01	2.06
16	1.77	1.82	1.83	1.78	1.82	8.01	8.01	3.83	6.24	2.07	8.00	2.06
17	1.77	1.82	1.83	1.77	1.82	8.04	7.99	6.95	6.25	2.07	8.00	1.74
18	1.79	1.82	1.83	1.77	1.83	8.04	6.39	3.01	6.25	2.07	7.97	1.74
19	1.79	1.82	1.83	1.76	1.84	8.02	2.15	3.00	6.25	2.07	7.96	1.74
20	1.79	1.82	1.83	1.76	1.84	8.02	7.06	3.01	6.25	2.06	7.95	1.74
21	1.79	1.82	1.83	1.76	1.85	8.01	7.06	3.02	6.25	2.06	7.94	1.74
22	1.79	1.82	1.83	1.76	1.85	8.01	7.06	3.02	6.25	2.06	7.67	1.74
23	1.81	1.82	1.83	1.76	1.85	7.94	8.05	3.03	6.24	2.06	7.66	1.74
24	1.81	1.82	1.83	1.76	1.83	7.93	8.03	3.04	6.24	2.06	2.07	6.71
25	1.81	1.82	1.83	1.76	1.81	7.93	8.02	3.04	6.24	2.06	2.07	6.94
26	1.81	1.82	1.83	1.76	1.85	7.98	8.01	3.05	6.23	2.06	2.06	6.93
27	1.81	1.82	1.83	1.76	1.83	7.97	8.03	3.05	6.22	2.07	2.06	1.77
28	1.81	1.82	1.83	1.76	1.83	7.96	8.07	3.05	6.22	2.07	2.06	1.76
29	1.81	1.82	1.83	1.76	---	7.96	8.06	3.05	2.81	2.07	2.06	1.76
30	1.81	1.82	1.83	1.82	---	7.97	8.06	3.05	2.81	2.07	2.06	1.76
31	1.81	---	1.82	1.80	---	7.98	---	3.05	---	2.07	2.06	---
Mean	1.78	1.82	1.83	1.78	1.81	6.37	7.04	5.39	5.93	2.55	5.10	2.43
Max	1.81	1.82	1.85	1.82	1.85	8.09	8.07	8.83	6.34	3.76	8.01	6.94
Min	1.76	1.81	1.82	1.76	1.79	3.39	2.15	3.00	2.81	2.06	2.06	1.74