

Water-Data Report 2013

06925250 LITTLE NIANGUA RIVER NEAR MACKS CREEK, MO

Lower Missouri Basin
Osage Subbasin

LOCATION.--Lat 37°56'05", long 93°04'01" referenced to North American Datum of 1983, in SE ¼ NW ¼ SW ¼ sec.19, T.37 N., R.19 W., Camden County, MO, Hydrologic Unit 10290110, on downstream side of right bridge abutment on Highway 5 bridge.

DRAINAGE AREA.--125 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 29, 2007 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 830 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft³/s, Aug. 5, gage height, 16.33 ft; minimum discharge, 0.03 ft³/s, Sept. 15, gage height, 3.66 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	0.99	5.9	3.5	2.9	58	167	387	168	1,550	9.1	3.7	1.7
2	0.89	5.7	3.6	2.7	43	125	241	139	379	7.5	3.3	1.7
3	0.84	5.6	3.7	2.6	34	108	181	613	171	6.4	11	1.4
4	0.82	5.3	19	2.5	29	309	146	724	106	5.6	37	1.1
5	0.75	5.2	25	2.5	25	530	121	408	83	4.8	2,920	0.83
6	0.75	4.8	14	2.5	23	277	106	256	82	4.1	843	0.67
7	0.67	4.6	10	2.5	22	169	93	179	59	3.4	1,220	0.51
8	0.68	4.3	7.6	2.4	22	126	423	142	44	2.9	1,500	0.43
9	0.71	4.3	6.5	2.4	20	285	189	124	40	2.5	987	0.38
10	0.68	4.2	5.4	2.6	22	2,510	1,240	105	39	3.7	466	0.27
11	0.66	5.1	4.5	3.1	25	847	1,650	86	28	6.6	244	0.20
12	0.54	7.1	4.1	3.5	23	387	435	69	21	4.4	162	0.16
13	0.59	6.9	3.6	4.4	24	244	268	58	17	3.3	119	0.12
14	2.1	6.5	3.5	4.8	27	179	199	50	13	2.6	84	0.08
15	2.5	5.8	3.8	4.7	26	142	164	42	30	2.1	60	0.06
16	3.4	5.6	3.7	4.7	24	119	321	37	75	1.9	46	0.09
17	5.1	5.3	3.5	4.6	23	1,470	281	35	187	1.7	37	0.18
18	8.2	4.8	3.3	4.5	23	1,230	4,180	32	98	1.4	29	0.58
19	9.8	5.1	3.1	4.5	28	400	783	29	88	1.2	23	0.87
20	8.6	4.9	3.2	4.5	27	255	381	41	57	0.95	18	4.4
21	7.9	4.7	3.0	4.4	29	189	231	57	40	0.89	14	5.1
22	7.2	4.5	2.9	4.3	29	162	160	41	31	0.85	11	2.9
23	9.1	4.4	2.9	4.1	25	144	582	31	25	0.86	8.7	1.9
24	8.9	4.3	2.8	3.8	29	206	526	25	20	0.69	7.1	1.5
25	8.8	3.8	2.7	3.7	141	243	281	21	17	0.52	5.7	1.5
26	8.2	3.8	2.6	3.6	640	195	290	19	14	0.88	4.5	1.4
27	7.5	3.7	2.5	3.7	395	197	1,390	17	11	1.0	3.8	1.5
28	6.8	3.6	2.6	3.9	240	166	915	15	25	0.95	3.0	1.6
29	6.5	3.6	2.5	24	---	341	429	14	15	0.99	2.5	2.0
30	6.3	3.6	2.5	372	---	352	257	17	11	3.4	2.1	1.8
31	6.1	---	2.7	114	---	614	---	64	---	3.6	1.7	---
Mean	4.28	4.90	5.30	19.7	74.1	409	562	118	113	2.93	286	1.23
Max	9.8	7.1	25	372	640	2,510	4,180	724	1,550	9.1	2,920	5.1
Min	0.54	3.6	2.5	2.4	20	108	93	14	11	0.52	1.7	0.06
In.	0.04	0.04	0.05	0.18	0.62	3.78	5.01	1.09	1.00	0.03	2.64	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	128	64.7	53.0	47.8	170	321	341	351	154	31.6	64.8	59.1
Max	739	316	162	175	290	618	573	689	436	108	286	254
(WY)	(2010)	(2010)	(2012)	(2010)	(2011)	(2008)	(2008)	(2011)	(2008)	(2007)	(2013)	(2008)
Min	0.83	0.92	5.30	12.7	63.3	76.6	113	118	3.68	0.16	0.04	0.55
(WY)	(2008)	(2008)	(2013)	(2011)	(2012)	(2009)	(2010)	(2013)	(2012)	(2012)	(2012)	(2012)

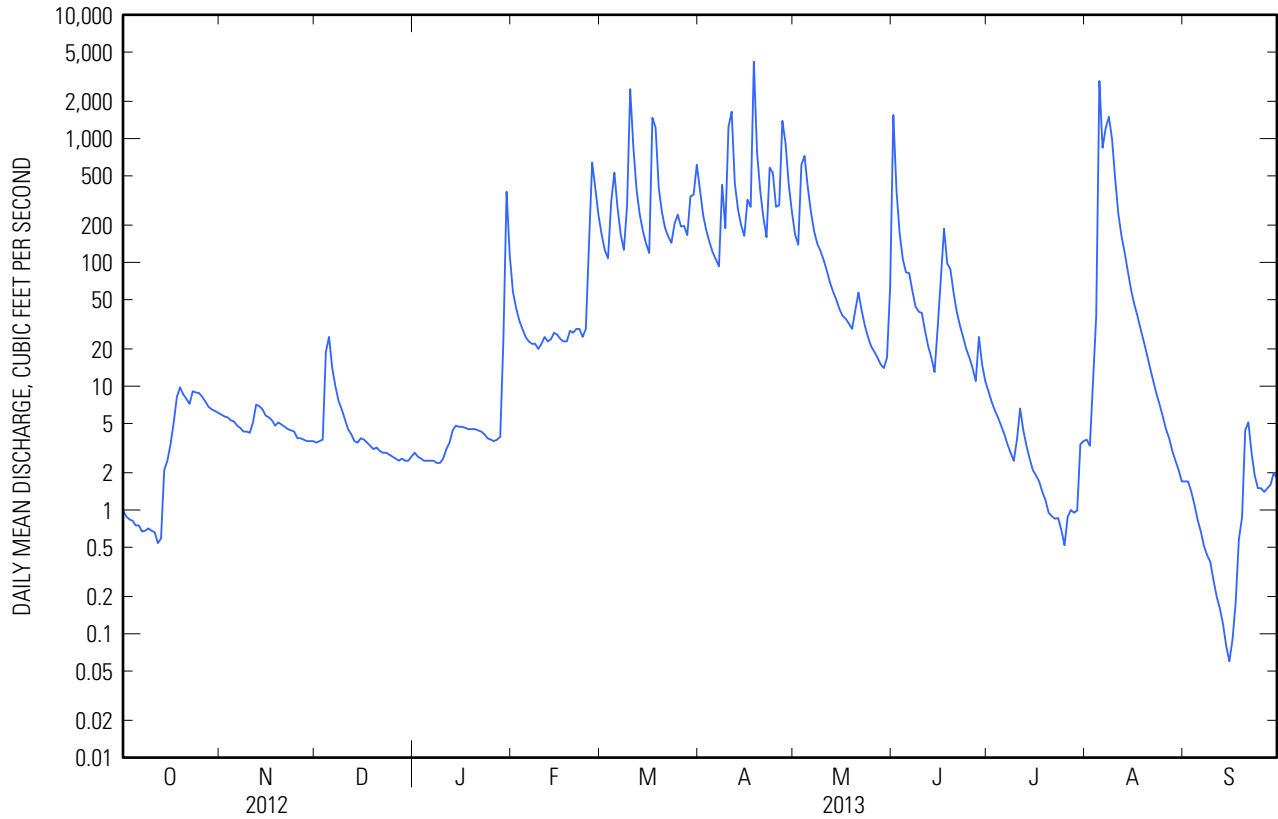
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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2007 - 2013	
Annual mean	67.8		133		150	
Highest annual mean					225	2010
Lowest annual mean					83.0	2012
Highest daily mean	2,580	Apr 14	4,180	Apr 18	6,730	Mar 18, 2008
Lowest daily mean	0.00	Aug 24	0.06	Sep 15	0.00	Aug 24, 2012
Annual seven-day minimum	0.01	Aug 19	0.13	Sep 11	0.01	Aug 19, 2012
Maximum peak flow			10,700	Aug 5	18,800	May 8, 2009
Maximum peak stage			16.33	Aug 5	^a 19.88	May 8, 2009
Instantaneous low flow			0.03	Sep 15	0.00	Jul 30, 2012 ^b
Annual runoff (inches)	7.39		14.50		16.26	
10 percent exceeds	95		345		283	
50 percent exceeds	5.8		8.7		23	
90 percent exceeds	0.05		0.99		1.1	

^a From crest-stage gage

^b Also Aug 22-25, 2012



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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	4.21	4.52	4.44	4.42	4.89	5.52	6.33	5.58	8.33	3.99	3.82	3.86
2	4.21	4.51	4.44	4.41	4.75	5.31	5.73	5.37	6.37	3.95	3.78	3.88
3	4.21	4.51	4.45	4.40	4.66	5.18	5.44	6.34	5.62	3.91	3.99	3.86
4	4.22	4.50	4.63	4.40	4.59	5.53	5.23	7.34	5.22	3.89	4.28	3.84
5	4.23	4.49	4.83	4.40	4.55	6.81	5.09	6.42	5.01	3.86	7.88	3.81
6	4.25	4.49	4.68	4.40	4.51	6.00	4.97	5.93	5.06	3.83	7.58	3.80
7	4.25	4.48	4.61	4.40	4.48	5.54	4.88	5.63	4.86	3.80	7.29	3.78
8	4.25	4.47	4.56	4.39	4.49	5.31	6.73	5.41	4.71	3.78	6.50	3.76
9	4.26	4.47	4.54	4.39	4.46	5.90	5.49	5.29	4.60	3.76	6.94	3.76
10	4.26	4.47	4.51	4.40	4.49	9.53	5.33	5.19	4.65	3.80	6.62	3.74
11	4.26	4.46	4.48	4.43	4.54	7.59	8.53	5.07	4.51	3.93	5.83	3.72
12	4.28	4.54	4.47	4.44	4.51	6.32	6.50	4.92	4.42	3.85	5.44	3.71
13	4.28	4.54	4.45	4.47	4.52	5.75	5.85	4.83	4.33	3.80	5.21	3.70
14	4.40	4.53	4.45	4.49	4.55	5.42	5.53	4.76	4.26	3.77	5.00	3.69
15	4.41	4.52	4.46	4.49	4.56	5.22	5.34	4.67	4.25	3.73	4.80	3.68
16	4.46	4.51	4.46	4.48	4.52	5.08	5.88	4.62	4.85	3.72	4.67	3.69
17	4.46	4.50	4.45	4.48	4.50	5.42	5.90	4.59	5.88	3.71	4.58	3.69
18	4.56	4.49	4.44	4.48	4.48	8.22	12.94	4.55	4.99	3.68	4.49	3.73
19	4.60	4.50	4.43	4.48	4.57	6.37	7.47	4.51	4.96	3.67	4.41	3.82
20	4.58	4.49	4.43	4.48	4.57	5.80	6.33	4.59	4.67	3.65	4.33	4.07
21	4.56	4.49	4.42	4.47	4.57	5.47	5.84	4.87	4.50	3.64	4.26	4.05
22	4.55	4.48	4.42	4.47	4.61	5.34	5.54	4.67	4.38	3.64	4.20	3.96
23	4.60	4.48	4.42	4.47	4.53	5.23	5.49	4.55	4.30	3.64	4.15	3.90
24	4.58	4.47	4.42	4.46	4.53	5.29	6.79	4.46	4.22	3.62	4.10	3.87
25	4.57	4.46	4.41	4.45	5.22	5.75	6.02	4.40	4.16	3.60	4.06	3.87
26	4.57	4.46	4.41	4.45	7.17	5.50	5.66	4.36	4.10	3.59	4.02	3.86
27	4.55	4.45	4.40	4.46	6.37	5.52	7.50	4.32	4.05	3.65	4.00	3.87
28	4.54	4.45	4.40	4.46	5.84	5.34	7.73	4.30	4.38	3.64	3.96	3.86
29	4.53	4.45	4.40	4.47	---	5.30	6.47	4.27	4.13	3.64	3.93	3.90
30	4.53	4.45	4.40	6.55	---	5.97	5.94	4.25	4.04	3.80	3.91	3.89
31	4.52	---	4.41	5.28	---	6.30	---	4.86	---	3.81	3.88	---
Mean	4.41	4.49	4.47	4.54	4.79	5.90	6.28	5.00	4.79	3.75	4.90	3.82
Max	4.60	4.54	4.83	6.55	7.17	9.53	12.94	7.34	8.33	3.99	7.88	4.07
Min	4.21	4.45	4.40	4.39	4.46	5.08	4.88	4.25	4.04	3.59	3.78	3.68