

Water-Data Report 2012

06610750 Little Papillion Creek near Irvington, Nebr.

Missouri-Little Sioux Basin
Big Papillion-Mosquito Subbasin

LOCATION.--Lat 41°18'38", long 96°02'51" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.34, T.16 N., R.12 E., Douglas County, NE, Hydrologic Unit 10230006, on left bank 75 ft downstream from the Blair High Road bridge, 2.3 mi downstream from Glenn Cunningham Lake, and 0.8 mi southeast of Irvington.

DRAINAGE AREA.--32 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2009 to October 2011 (gage heights and maximum discharge only). March 2012 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 1,056.27 ft above North American Vertical Datum of 1988. Prior to March 1, 2012, datum of gage in use was 1,055.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Beginning Water Year 2012, seasonal Water Year record collected from October 1-31 and March 1 to September 30. Record for Water Year 2012 began March 1. Flow regulated to a large degree by Glenn Cunningham Lake 2.3 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,230 ft³/s, August 22, 2011, gage height, 15.39 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 481 ft³/s, April 15; maximum gage height, 6.83 ft, from floodmark, April 15; maximum daily discharge, 80 ft³/s, May 2; minimum daily discharge, 0.18 ft³/s, September 6-7; minimum gage height, 2.94 ft, October 6-8, September 11-12.

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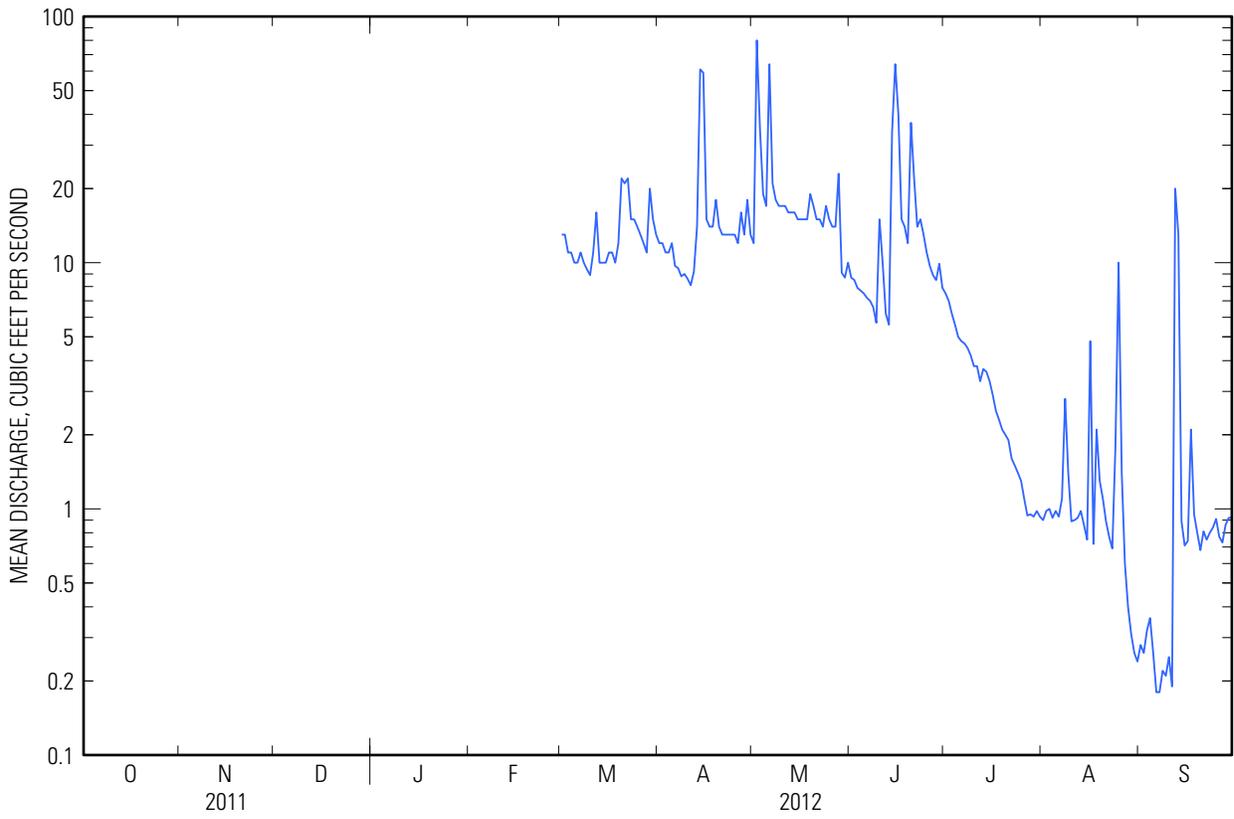
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	13	12	12	8.7	7.5	0.90	0.28
2	---	---	---	---	---	13	12	80	8.5	7.0	0.98	0.26
3	---	---	---	---	---	11	11	35	7.9	6.2	1.0	0.32
4	---	---	---	---	---	11	11	19	7.7	5.6	0.92	0.36
5	---	---	---	---	---	10	12	17	7.5	5.0	0.98	0.26
6	---	---	---	---	---	10	9.7	64	7.2	4.8	0.93	0.18
7	---	---	---	---	---	11	9.5	21	7.0	4.7	1.1	0.18
8	---	---	---	---	---	10	8.8	18	6.6	4.5	2.8	0.22
9	---	---	---	---	---	9.4	9.0	17	5.7	4.2	1.4	0.21
10	---	---	---	---	---	8.9	8.6	17	15	3.8	0.89	0.25
11	---	---	---	---	---	11	8.1	17	10	3.8	0.90	0.19
12	---	---	---	---	---	16	9.2	16	6.2	3.3	0.92	20
13	---	---	---	---	---	10	14	16	5.6	3.7	0.98	13
14	---	---	---	---	---	10	61	16	34	3.6	0.86	0.89
15	---	---	---	---	---	10	59	15	64	3.3	0.75	0.71
16	---	---	---	---	---	11	15	15	40	2.9	4.8	0.74
17	---	---	---	---	---	11	14	15	15	2.5	0.72	2.1
18	---	---	---	---	---	10	14	15	14	2.3	2.1	0.95
19	---	---	---	---	---	12	18	19	12	2.1	1.3	0.80
20	---	---	---	---	---	22	14	17	37	2.0	1.1	0.68
21	---	---	---	---	---	21	13	15	22	1.9	0.89	0.81
22	---	---	---	---	---	22	13	15	14	1.6	0.77	0.75
23	---	---	---	---	---	15	13	14	15	1.5	0.69	0.80
24	---	---	---	---	---	15	13	17	13	1.4	1.8	0.84
25	---	---	---	---	---	14	13	15	11	1.3	10	0.91
26	---	---	---	---	---	13	12	14	9.7	1.1	1.4	0.77
27	---	---	---	---	---	12	16	14	8.9	0.94	0.60	0.73
28	---	---	---	---	---	11	13	23	8.5	0.95	0.40	0.86
29	---	---	---	---	---	20	18	9.1	9.9	0.93	0.31	0.92
30	---	---	---	---	---	15	13	8.7	7.9	0.98	0.26	0.92
31	---	---	---	---	---	13	---	10	---	0.93	0.24	---
Total	---	---	---	---	---	401.3	466.9	615.8	439.5	96.33	43.69	50.89
Mean	---	---	---	---	---	12.9	15.6	19.9	14.7	3.11	1.41	1.70
Max	---	---	---	---	---	22	61	80	64	7.5	10	20
Min	---	---	---	---	---	8.9	8.1	8.7	5.6	0.93	0.24	0.18
Ac-ft	---	---	---	---	---	796	926	1,220	872	191	87	101

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

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	12.9	15.6	19.9	14.6	3.11	1.41	1.70
Max	---	---	---	---	---	12.9	15.6	19.9	14.6	3.11	1.41	1.70
(WY)	(---	(---	(---	(---	(---	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)
Min	---	---	---	---	---	12.9	15.6	19.9	14.6	3.11	1.41	1.70
(WY)	(---	(---	(---	(---	(---	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.96	---	---	---	---	3.20	3.19	3.15	3.21	3.19	3.01	2.96
2	2.97	---	---	---	---	3.20	3.18	3.83	3.21	3.18	3.01	2.96
3	2.96	---	---	---	---	3.18	3.17	3.47	3.19	3.16	3.00	2.96
4	2.97	---	---	---	---	3.17	3.16	3.26	3.19	3.15	3.00	2.96
5	2.97	---	---	---	---	3.15	3.18	3.23	3.19	3.14	3.00	2.96
6	2.96	---	---	---	---	3.16	3.14	3.74	3.18	3.13	3.00	2.95
7	2.96	---	---	---	---	3.16	3.14	3.30	3.17	3.13	3.01	2.95
8	2.97	---	---	---	---	3.15	3.12	3.25	3.17	3.12	3.05	2.95
9	2.98	---	---	---	---	3.14	3.13	3.23	3.15	3.12	3.02	2.95
10	3.00	---	---	---	---	3.13	3.12	3.22	3.26	3.10	3.00	2.95
11	3.00	---	---	---	---	3.17	3.11	3.22	3.23	3.11	3.00	2.95
12	3.15	---	---	---	---	3.24	3.13	3.21	3.16	3.09	3.00	3.20
13	3.02	---	---	---	---	3.15	3.22	3.21	3.15	3.10	3.00	3.19
14	3.00	---	---	---	---	3.16	3.66	3.20	3.45	3.10	3.00	2.97
15	3.00	---	---	---	---	3.16	3.63	3.20	3.80	3.09	2.99	2.96
16	3.01	---	---	---	---	3.16	3.18	3.20	3.58	3.08	3.08	2.96
17	3.05	---	---	---	---	3.16	3.17	3.19	3.33	3.07	2.99	3.01
18	3.02	---	---	---	---	3.16	3.17	3.19	3.30	3.06	3.03	2.97
19	---	---	---	---	---	3.19	3.24	3.25	3.27	3.05	3.01	2.96
20	---	---	---	---	---	3.34	3.17	3.23	3.53	3.05	3.00	2.96
21	---	---	---	---	---	3.34	3.16	3.22	3.42	3.05	2.99	2.96
22	---	---	---	---	---	3.34	3.16	3.24	3.31	3.04	2.98	2.96
23	---	---	---	---	---	3.23	3.15	3.23	3.31	3.03	2.98	2.96
24	---	---	---	---	---	3.23	3.15	3.27	3.28	3.03	3.01	2.97
25	---	---	---	---	---	3.22	3.15	3.24	3.26	3.03	3.20	2.97
26	---	---	---	---	---	3.20	3.14	3.23	3.23	3.02	3.01	2.96
27	---	---	---	---	---	3.18	3.20	3.22	3.21	3.01	2.97	2.96
28	---	---	---	---	---	3.18	3.15	3.39	3.21	3.01	2.96	2.97
29	---	---	---	---	---	3.30	3.23	3.22	3.23	3.01	2.96	2.97
30	---	---	---	---	---	3.22	3.15	3.21	3.19	3.01	2.96	2.97
31	---	---	---	---	---	3.20	---	3.24	---	3.01	2.95	---
Mean	---	---	---	---	---	3.20	3.19	3.27	3.28	3.08	3.01	2.98
Max	---	---	---	---	---	3.34	3.66	3.83	3.80	3.19	3.20	3.20
Min	---	---	---	---	---	3.13	3.11	3.15	3.15	3.01	2.95	2.95

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