Water-Data Report 2012

05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI

Rock Basin
Pecatonica Subbasin

LOCATION.--Lat 42°56′26″, long 89°55′16″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.5, T.5 N., R.5 E., Iowa County, WI, Hydrologic Unit 07090003, on right bank 200 ft upstream of CTH K bridge, 4.8 miles north of village of Hollandale.

DRAINAGE AREA.--19 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2006 to current year.

GAGE.--Water-stage recorder and crest-stage-gage. Datum of gage is 895 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except those for estimated days which are poor. Gage-height telemeter at station.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 05432695, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/05432695.2012.pdf

05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI—Continued

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	10	10	11	12	9.2	9.7	11	11	10	7.7	6.5	6.6
2	10	11	11	11	8.8	9.2	10	12	9.8	7.6	6.5	6.5
3	9.8	13	13	11	8.8	9.0	10	11	9.7	7.5	6.5	6.5
4	9.6	11	20	10	9.1	8.8	10	11	9.7	7.4	6.6	6.7
5	9.5	10	13	10	9.2	8.8	10	11	9.5	7.2	6.7	7.1
6	9.7	10	12	10	9.2	13	9.8	14	9.5	6.9	6.6	6.7
7	9.8	9.9	12	10	9.2	14	10	12	9.4	6.8	6.6	6.6
8	9.8	14	12	10	9.0	20	10	11	9.3	6.7	6.8	6.6
9	9.8	37	11	10	9.2	11	9.9	11	9.3	6.5	7.2	6.5
10	9.8	17	11	10	9.2	11	9.8	11	9.2	6.5	8.1	6.5
11	9.9	14	11	10	11	11	9.8	11	9.3	6.3	6.8	6.3
12	11	13	11	10	10	14	9.9	11	9.0	6.2	6.9	6.3
13	13	14	11	10	8.8	11	10	11	8.9	6.0	7.1	6.3
14	10	13	14	9.8	8.9	10	11	11	8.9	6.0	6.9	6.3
15	9.9	12	14	9.6	9.3	10	13	11	8.8	6.0	6.9	6.2
16	9.9	11	12	9.8	9.6	9.4	12	11	8.8	5.9	8.8	6.1
17	9.8	11	11	10	9.6	9.4	11	11	8.8	5.8	8.0	6.2
18	9.8	11	11	12	9.3	9.3	11	11	8.7	6.5	7.0	6.2
19	9.8	11	11	9.9	9.0	12	13	11	8.3	8.5	6.8	6.1
20	9.8	11	11	10	9.1	11	15	10	8.3	6.6	6.7	6.1
21	9.8	11	11	10	9.4	9.7	12	10	8.0	6.4	6.5	6.4
22	10	11	11	9.6	9.1	9.6	11	10	7.9	6.5	6.6	6.5
23	10	11	11	9.5	9.0	11	11	10	8.2	6.5	6.5	6.2
24	11	11	11	9.2	9.2	10	11	10	8.2	7.1	6.4	6.1
25	10	11	11	9.2	8.8	9.9	11	10	8.0	6.6	6.4	6.2
26	10	12	11	9.3	8.9	9.6	11	12	7.9	7.0	6.8	6.0
27	10	11	11	9.1	8.7	9.6	10	11	7.9	6.4	6.8	5.9
28	10	11	11	8.7	8.6	9.5	11	10	7.8	6.3	6.6	5.9
29	10	11	11	8.6	18	9.3	11	9.9	7.7	6.6	6.6	6.0
30	10	11	12	8.7	---	13	13	9.9	7.8	6.8	6.7	6.0
31	10	---	11	9.1	---	11	---	10	---	6.6	6.6	---
Total	311.5	374.9	365	306.1	275.2	333.8	328.2	336.8	262.6	207.4	212.5	189.6
Mean	10.0	12.5	11.8	9.87	9.49	10.8	10.9	10.9	8.75	6.69	6.85	6.32
Max	13	37	20	12	18	20	15	14	10	8.5	8.8	7.1
Min	9.5	9.9	11	8.6	8.6	8.8	9.8	9.9	7.7	5.8	6.4	5.9
Cfsm	0.53	0.66	0.62	0.52	0.50	0.57	0.58	0.57	0.46	0.35	0.36	0.33
In.	0.61	0.73	0.71	0.60	0.54	0.65	0.64	0.66	0.51	0.41	0.42	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2012, BY WATER YEAR (WY)

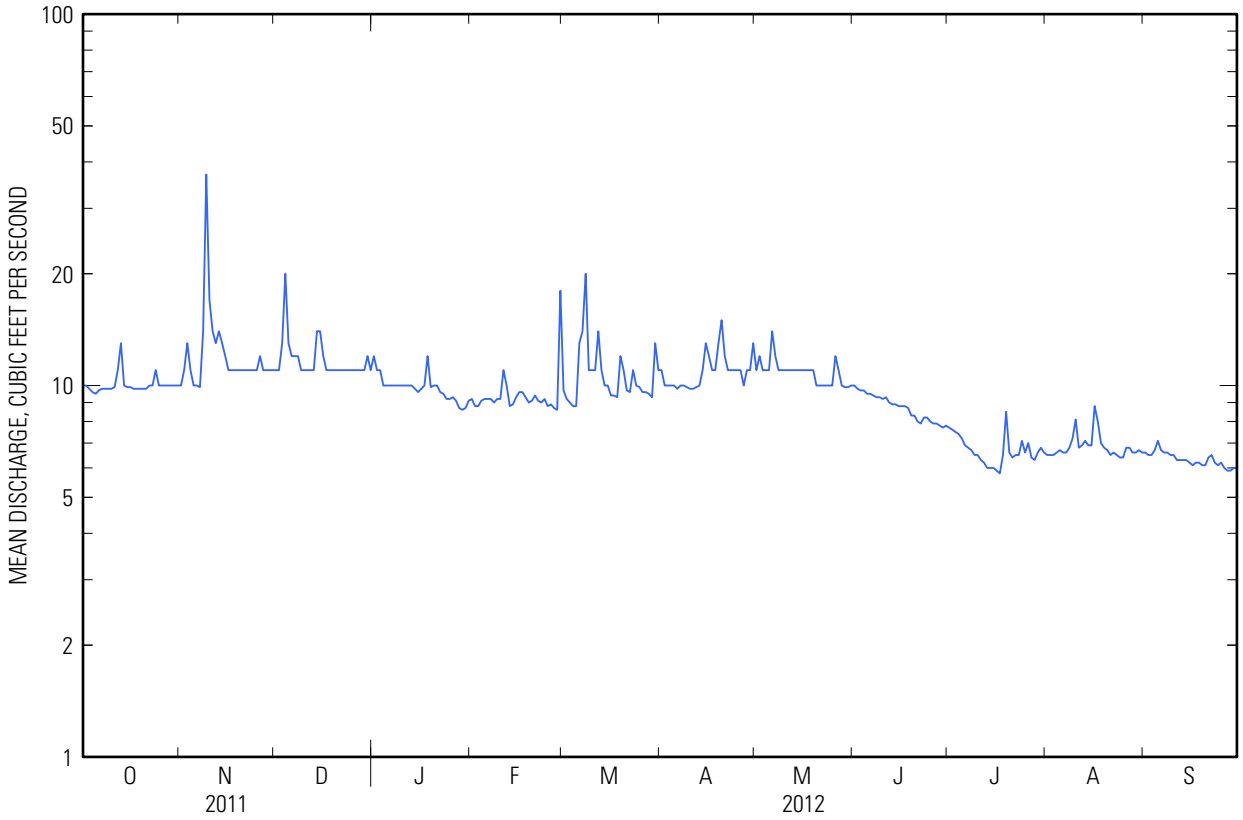
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.7	13.2	12.8	11.7	12.6	21.3	23.0	18.1	24.6	13.9	23.4	14.0
Max	21.8	21.1	18.8	17.1	16.5	31.3	51.6	33.5	67.7	27.1	71.4	23.8
(WY)	(2008)	(2008)	(2008)	(2010)	(2009)	(2008)	(2008)	(2008)	(2008)	(2008)	(2007)	(2007)
Min	6.41	6.88	7.51	7.08	5.34	10.8	10.9	10.9	8.75	6.69	6.85	6.32
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2006 - 2012	
Annual total	5,320.2		3,503.6			
Annual mean	14.6		9.57		16.8	
Highest annual mean					28.7	2008
Lowest annual mean					9.57	2012
Highest daily mean	68	Mar 20	37	Nov 9	334	Jun 8, 2008
Lowest daily mean	8.6	Aug 27	5.8	Jul 17	3.0	Aug 12, 2010
Annual seven-day minimum	8.9	Aug 24	6.0	Sep 24	4.7	Mar 3, 2007
Maximum peak flow			56	Nov 9	614	Jun 8, 2008
Maximum peak stage			8.63	Nov 9	14.15	Jun 8, 2008
Instantaneous low flow			5.6	Jul 17[a]	2.2	Aug 12, 2010
Annual runoff (cfsm)	0.767		0.504		0.883	
Annual runoff (inches)	10.42		6.86		12.00	
10 percent exceeds	21		12		26	
50 percent exceeds	12		9.8		13	
90 percent exceeds	10		6.5		7.0	

[a] Also occurred July 18.



05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2006 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: October 2006 to current year.
TOTAL PHOSPHORUS DISCHARGE: October 2006 to current year.

INSTRUMENTATION.--Stage-activated water-quality sampler since October 2006.

REMARKS.--Chemical analyses are by the Wisconsin State Laboratory of Hygiene.

EXTREMES FOR PERIOD OF RECORD.--
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 893 ton, Jun. 8, 2008; minimum daily, 0.03 ton, Oct. 1, 4-20, 2007.
TOTAL-PHOSPHORUS DISCHARGE: Maximum daily, 2430 lb, Apr. 25, 2008; minimum daily, 0.37 lb, May 22, 2007.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 8.1 tons, Feb. 29, 2012; minimum daily, 0.05 ton, Aug. 28-Sep. 4, and Sep. 6-30, 2012.
TOTAL PHOSPHORUS DISCHARGE: Maximum daily, 81.5 lb, Nov. 9, 2011; minimum daily, 1.57 lb, Sep. 27, 28, 2012.

SUSPENDED SEDIMENT DISCHARGE, TONS PER DAY
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.32	0.06	0.27	0.27	0.15	0.61	0.36	0.18	0.18	0.13	0.07	0.05
2	0.32	0.17	0.29	0.25	0.14	0.43	0.34	0.38	0.17	0.12	0.07	0.05
3	0.32	0.39	0.84	0.24	0.14	0.32	0.31	0.18	0.17	0.12	0.07	0.05
4	0.31	0.15	2.2	0.23	0.15	0.24	0.29	0.18	0.17	0.12	0.07	0.05
5	0.31	0.12	0.47	0.22	0.15	0.18	0.27	0.18	0.17	0.12	0.07	0.06
6	0.32	0.10	0.40	0.22	0.15	3.0	0.25	0.22	0.17	0.11	0.07	0.05
7	0.32	0.08	0.38	0.22	0.15	2.6	0.23	0.20	0.17	0.11	0.07	0.05
8	0.32	0.61	0.36	0.22	0.15	6.1	0.22	0.19	0.17	0.11	0.07	0.05
9	0.32	7.7	0.34	0.21	0.15	0.78	0.21	0.19	0.17	0.11	0.07	0.05
10	0.32	0.94	0.33	0.21	0.15	0.59	0.19	0.18	0.17	0.10	0.08	0.05
11	0.32	0.55	0.33	0.20	0.18	0.54	0.18	0.18	0.17	0.10	0.07	0.05
12	0.35	0.46	0.32	0.20	0.17	2.1	0.17	0.18	0.17	0.10	0.07	0.05
13	0.42	0.40	0.33	0.20	0.14	0.74	0.17	0.18	0.17	0.10	0.07	0.05
14	0.33	0.33	0.71	0.19	0.15	1.1	0.17	0.18	0.17	0.10	0.07	0.05
15	0.32	0.29	0.71	0.18	0.15	0.74	0.24	0.18	0.16	0.10	0.06	0.05
16	0.32	0.24	0.34	0.18	0.16	0.33	0.22	0.18	0.17	0.10	0.08	0.05
17	0.32	0.21	0.32	0.19	0.16	0.33	0.18	0.18	0.17	0.09	0.07	0.05
18	0.32	0.19	0.31	0.21	0.15	0.32	0.17	0.18	0.16	0.16	0.06	0.05
19	0.32	0.19	0.30	0.18	0.15	0.42	0.28	0.18	0.16	0.44	0.06	0.05
20	0.32	0.19	0.30	0.23	0.15	0.37	0.74	0.18	0.15	0.10	0.06	0.05
21	0.32	0.20	0.30	0.23	0.15	0.33	0.19	0.18	0.15	0.08	0.06	0.05
22	0.32	0.20	0.29	0.17	0.15	0.33	0.18	0.18	0.14	0.08	0.06	0.05
23	0.33	0.21	0.28	0.16	0.15	0.36	0.18	0.18	0.15	0.07	0.06	0.05
24	0.34	0.22	0.27	0.16	0.15	0.35	0.17	0.18	0.15	0.08	0.05	0.05
25	0.28	0.23	0.27	0.15	0.14	0.33	0.18	0.18	0.14	0.07	0.05	0.05
26	0.22	0.25	0.27	0.15	0.25	0.32	0.17	0.22	0.14	0.08	0.06	0.05
27	0.18	0.25	0.27	0.15	0.16	0.32	0.17	0.19	0.14	0.07	0.06	0.05
28	0.14	0.25	0.26	0.14	0.14	0.31	0.17	0.18	0.13	0.07	0.05	0.05
29	0.11	0.26	0.26	0.14	8.1	0.31	0.18	0.18	0.13	0.07	0.05	0.05
30	0.09	0.26	0.42	0.14	---	0.44	0.23	0.17	0.13	0.07	0.05	0.05
31	0.07	---	0.32	0.15	---	0.37	---	0.19	---	0.07	0.05	---
Total	8.92	15.70	13.06	5.99	12.43	25.61	7.01	5.91	4.76	3.35	1.98	1.51

05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI—Continued

	Water Year 2012
Total	106.23

PHOSPHORUS, WATER, UNFILTERED, POUNDS PER DAY
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.98	2.10	2.91	3.30	2.64	7.07	4.46	4.18	3.76	2.33	2.14	1.85
2	2.97	3.56	2.93	3.03	2.60	3.30	4.25	5.47	3.64	2.28	2.14	1.81
3	2.92	7.28	10.1	2.92	2.62	2.78	4.20	5.01	3.58	2.24	2.12	1.80
4	2.84	2.98	22.9	2.86	2.71	2.51	4.14	4.60	3.56	2.18	2.14	1.84
5	2.83	2.69	6.19	2.80	2.73	2.31	4.06	4.61	3.48	2.14	2.17	1.93
6	2.89	2.47	5.04	2.83	2.73	15.7	3.98	5.77	3.46	2.06	2.11	1.82
7	2.91	2.20	4.45	2.82	2.73	13.2	4.05	5.19	3.43	2.03	2.12	1.80
8	2.90	9.50	4.00	2.80	2.69	27.6	4.10	4.73	3.38	1.98	2.17	1.78
9	2.92	81.5	3.56	2.72	2.74	4.55	4.02	4.69	3.34	1.94	2.27	1.76
10	2.92	13.9	3.29	2.69	2.76	4.14	3.96	4.55	3.29	1.92	2.55	1.73
11	2.93	7.42	3.26	2.69	3.28	4.12	3.99	4.48	3.32	1.88	2.12	1.68
12	3.48	6.21	3.27	2.63	3.14	11.5	4.18	4.41	3.20	1.83	2.13	1.67
13	6.98	5.54	3.34	2.61	2.64	5.22	9.08	4.36	3.15	1.78	2.18	1.67
14	2.99	4.58	8.09	2.52	2.67	3.96	7.89	4.29	3.12	1.78	2.12	1.67
15	2.93	4.10	8.09	2.46	2.78	3.91	7.08	4.32	3.09	1.78	2.10	1.63
16	2.93	3.60	3.61	2.50	2.88	3.68	5.41	4.27	3.08	1.74	2.68	1.63
17	2.92	3.33	3.47	2.55	2.89	3.69	4.57	4.24	3.06	1.73	2.41	1.64
18	2.92	3.09	3.41	2.92	2.79	3.66	4.32	4.21	3.00	2.48	2.11	1.64
19	2.92	3.05	3.41	2.47	2.72	6.95	5.54	4.19	2.86	5.61	2.05	1.62
20	2.92	3.01	3.38	2.67	2.73	5.22	8.18	4.09	2.83	2.34	1.98	1.62
21	2.92	2.99	3.40	2.67	2.84	3.82	5.41	4.04	2.69	2.14	1.94	1.70
22	2.97	2.96	3.36	2.36	2.74	3.80	4.71	4.05	2.63	2.16	1.93	1.72
23	3.00	3.00	3.25	2.32	2.72	4.19	4.48	3.94	2.68	2.14	1.90	1.65
24	3.13	2.98	3.16	2.23	2.78	4.10	4.41	4.07	2.67	2.33	1.85	1.63
25	2.88	2.99	3.15	2.22	2.65	3.92	4.43	4.04	2.57	2.18	1.84	1.63
26	2.74	3.14	3.15	2.22	3.71	3.80	4.27	4.73	2.51	2.30	1.96	1.60
27	2.65	3.09	3.21	2.16	2.74	3.82	4.05	4.05	2.48	2.12	1.95	1.57
28	2.52	2.96	3.10	2.14	2.16	3.78	4.23	3.88	2.44	2.07	1.87	1.57
29	2.41	2.95	3.09	2.21	52.2	3.74	4.13	3.77	2.38	2.19	1.88	1.58
30	2.34	2.91	4.87	2.30	---	5.36	4.35	3.72	2.39	2.24	1.88	1.59
31	2.24	---	3.65	2.51	---	4.61	---	4.30	---	2.17	1.85	---
Total	92.80	202.08	146.09	80.13	130.01	180.01	145.93	136.25	91.07	68.09	64.66	50.83

	Water Year 2012
Total	1,387.95

05432695 RIDGEWAY BRANCH NEAR HOLLANDALE, WI—Continued

PHOSPHORUS, WATER, DISSOLVED, POUNDS PER DAY
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	1.49	1.74	1.97	1.59	4.01	2.33	3.05	2.63	1.66	1.72	1.75
2	2.82	2.27	1.77	1.81	1.56	1.84	2.21	3.22	2.55	1.62	1.73	1.69
3	2.67	4.73	3.21	1.75	1.55	1.43	2.19	3.04	2.52	1.59	1.72	1.66
4	2.49	1.64	9.78	1.71	1.59	1.30	2.17	2.96	2.51	1.55	1.76	1.67
5	2.38	1.52	3.21	1.68	1.58	1.27	2.14	2.98	2.46	1.52	1.79	1.73
6	2.33	1.51	2.05	1.70	1.56	4.72	2.11	3.74	2.45	1.46	1.75	1.60
7	2.25	1.45	1.98	1.69	1.55	5.81	2.16	3.37	2.44	1.44	1.77	1.56
8	2.15	4.22	1.93	1.69	1.50	10.6	2.20	3.08	2.41	1.40	1.83	1.52
9	2.08	42.8	1.87	1.64	1.52	2.71	2.16	3.06	2.39	1.38	1.93	1.48
10	1.99	12.0	1.84	1.62	1.51	2.29	2.14	2.98	2.36	1.36	2.18	1.44
11	1.92	5.23	1.84	1.62	1.77	2.24	2.17	2.95	2.39	1.33	1.82	1.38
12	2.09	4.38	1.86	1.59	1.68	4.84	2.20	2.91	2.31	1.30	1.84	1.35
13	3.21	3.91	1.91	1.58	1.39	2.54	5.78	2.88	2.28	1.26	1.90	1.33
14	1.74	3.20	3.89	1.53	1.39	2.19	5.37	2.84	2.27	1.26	1.86	1.33
15	1.71	2.72	3.89	1.49	1.44	2.16	4.90	2.87	2.25	1.26	1.85	1.30
16	1.70	2.27	2.09	1.52	1.48	2.03	3.41	2.85	2.25	1.24	2.38	1.29
17	1.70	1.98	2.02	1.55	1.46	2.03	3.10	2.84	2.24	1.23	2.16	1.31
18	1.68	1.75	2.00	1.77	1.40	2.02	3.02	2.83	2.20	1.45	1.90	1.30
19	1.66	1.72	2.01	1.50	1.34	3.20	3.60	2.82	2.09	3.45	1.86	1.29
20	1.64	1.70	2.00	1.53	1.33	2.54	4.25	2.76	2.07	1.82	1.81	1.29
21	1.62	1.70	2.01	1.51	1.37	2.09	3.31	2.74	1.96	1.70	1.78	1.35
22	1.63	1.69	1.99	1.44	1.31	2.08	3.11	2.75	1.92	1.73	1.79	1.37
23	1.63	1.72	1.92	1.42	1.29	2.28	3.03	2.68	1.95	1.72	1.78	1.31
24	1.68	1.72	1.87	1.36	1.30	2.23	3.01	2.78	1.94	1.87	1.74	1.29
25	1.58	1.73	1.87	1.36	1.22	2.12	3.05	2.77	1.86	1.75	1.74	1.30
26	1.56	1.84	1.87	1.36	1.22	2.04	2.96	3.25	1.81	1.85	1.87	1.27
27	1.57	1.81	1.91	1.33	1.19	2.04	2.84	2.79	1.78	1.70	1.87	1.25
28	1.55	1.75	1.85	1.31	1.18	2.01	2.99	2.68	1.75	1.66	1.81	1.25
29	1.54	1.75	1.84	1.35	17.6	1.98	3.04	2.61	1.70	1.76	1.83	1.26
30	1.55	1.74	2.61	1.40	---	3.57	3.70	2.59	1.70	1.80	1.83	1.27
31	1.54	---	2.09	1.51	---	2.42	---	2.74	---	1.74	1.78	---
Total	60.62	119.94	74.72	48.29	57.87	86.63	90.65	90.41	65.44	49.86	57.38	42.19

	Water Year 2012
Total	844.00