



Water-Data Report 2010

385755078100601 Local number 45V 6

Valley and Ridge aquifers
 Beekmantown Group
 Warren County, VA

LOCATION.--Lat 38°57'55.29", long 78°10'05.65" referenced to North American Datum of 1983, Warren County, VA, Hydrologic Unit 02070007, 0.7 mi east of intersection of U.S. Highways 340 and 522 and State Highway 658 at Fishnet Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth undefined. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined. Drilled unused water well,

DATUM.--Land-surface datum is 642 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF STEEL CASING, 1.40 ft above land-surface datum, Oct. 29, 2008, to present.

PERIOD OF RECORD.--October 2008 to October 2010 (discontinued).

GAGE.--Electronic data logger and pressure transducer, 15-minute record interval. Prior to June 2009, occasional measurement with chalked tape by USGS personnel.

REMARKS.--Well is located in the Rockdale Run Formation of the Beekmantown Group of Lower and Middle Ordovician age. Previously unpublished record for Water Year 2009 included in the tables below.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 84.25 ft below land surface datum, Mar. 16, 2010; lowest water level recorded, 122.37 ft below land surface datum, Dec. 3, 2009.

EXTREMES FOR CURRENT YEAR.--Highest water level, 84.25 ft below land surface datum, Mar. 16; lowest water level, 122.37 ft below land surface datum, Dec. 3.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 29	119.97	S	--	Jun 26	112.54	S	--
May 1	119.45	S	--	Jul 15	113.31	S	--

Water year 2009 highest: 112.54, Jun 26, 2009; lowest: 119.97, Oct 29, 2008

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	112.54	114.73	117.41
2	---	---	---	---	---	---	---	---	---	112.58	114.81	117.49
3	---	---	---	---	---	---	---	---	---	112.62	114.89	117.57
4	---	---	---	---	---	---	---	---	---	112.65	114.96	117.65
5	---	---	---	---	---	---	---	---	---	112.67	115.05	117.74
6	---	---	---	---	---	---	---	---	---	112.72	115.14	117.83
7	---	---	---	---	---	---	---	---	---	112.77	115.23	117.90
8	---	---	---	---	---	---	---	---	---	112.85	115.30	117.98
9	---	---	---	---	---	---	---	---	---	112.94	115.37	118.07
10	---	---	---	---	---	---	---	---	---	113.01	115.44	118.15
11	---	---	---	---	---	---	---	---	---	113.05	115.52	118.22
12	---	---	---	---	---	---	---	---	---	113.11	115.62	118.30
13	---	---	---	---	---	---	---	---	---	113.20	115.72	118.39
14	---	---	---	---	---	---	---	---	---	113.28	115.80	118.48
15	---	---	---	---	---	---	---	---	---	113.33	115.89	118.57
16	---	---	---	---	---	---	---	---	---	113.40	115.98	118.66
17	---	---	---	---	---	---	---	---	---	113.48	116.07	118.74
18	---	---	---	---	---	---	---	---	---	113.58	116.15	118.82
19	---	---	---	---	---	---	---	---	---	113.67	116.24	118.90
20	---	---	---	---	---	---	---	---	---	113.75	116.33	118.98
21	---	---	---	---	---	---	---	---	---	113.83	116.42	119.06
22	---	---	---	---	---	---	---	---	---	113.90	116.51	119.13
23	---	---	---	---	---	---	---	---	---	113.98	116.62	119.21
24	---	---	---	---	---	---	---	---	---	114.06	116.72	119.28
25	---	---	---	---	---	---	---	---	---	114.14	116.80	119.36
26	---	---	---	---	---	---	---	---	---	114.22	116.88	119.42
27	---	---	---	---	---	---	---	---	112.53	114.30	116.97	119.48
28	---	---	---	---	---	---	---	---	112.51	114.39	117.04	119.56
29	---	---	---	---	---	---	---	---	112.49	114.46	117.12	119.63
30	---	---	---	---	---	---	---	---	112.51	114.55	117.23	119.71
31	---	---	---	---	---	---	---	---	---	114.64	117.33	---

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	119.77	121.61	122.33	113.51	105.73	102.86	88.40	98.23	105.10	110.23	114.28	117.52
2	119.83	121.65	122.33	113.53	105.71	102.44	88.80	98.49	105.28	110.38	114.40	117.61
3	119.90	121.70	122.37	113.52	105.74	101.71	89.17	98.76	105.47	110.52	114.52	117.70
4	119.98	121.74	122.26	113.51	105.78	101.26	89.62	99.03	105.67	110.66	114.63	117.80
5	120.04	121.79	122.25	113.48	105.76	100.86	89.99	99.26	105.84	110.81	114.75	117.90
6	120.09	121.83	122.27	113.46	105.70	100.64	90.29	99.54	106.03	110.96	114.88	117.99
7	120.17	121.87	122.28	113.46	105.77	100.55	90.63	99.74	106.24	111.11	115.00	118.07
8	120.23	121.93	122.28	113.44	105.82	100.51	90.99	100.02	106.44	111.24	115.11	118.16
9	120.29	121.97	122.23	113.45	105.84	100.56	91.48	100.32	106.59	111.37	115.22	118.25
10	120.36	122.02	119.86	113.45	105.79	100.67	91.96	100.57	106.78	111.51	115.33	118.34
11	120.45	122.06	118.66	113.44	105.89	100.80	92.32	100.76	106.98	111.64	115.42	118.42
12	120.51	122.06	118.80	113.45	105.93	100.82	92.71	100.99	107.14	111.78	115.53	118.51
13	120.58	122.06	118.94	113.45	105.96	99.59	93.11	101.23	107.30	111.91	115.65	118.60
14	120.64	122.06	119.00	113.45	106.04	92.12	93.43	101.43	107.47	112.05	115.75	118.69
15	120.70	122.04	119.02	113.47	106.07	86.99	93.67	101.67	107.65	112.17	115.85	118.78
16	120.77	122.08	119.03	113.48	106.14	84.54	93.87	101.90	107.81	112.30	115.96	118.86
17	120.83	122.11	119.04	113.47	106.21	85.10	94.23	102.10	107.98	112.42	116.06	118.94
18	120.89	122.14	119.04	113.36	106.32	85.99	94.60	102.28	108.14	112.55	116.16	119.02
19	120.95	122.17	119.00	113.06	106.40	86.85	94.90	102.50	108.30	112.68	116.26	119.10
20	121.00	122.17	119.01	112.83	106.40	87.60	95.17	102.74	108.47	112.81	116.36	119.18
21	121.05	122.13	119.02	112.73	106.32	88.24	95.44	102.95	108.64	112.94	116.45	119.26
22	121.10	122.18	119.03	112.64	106.20	88.66	95.76	103.16	108.80	113.07	116.55	119.34
23	121.15	122.20	119.03	112.50	106.00	89.19	96.11	103.38	108.96	113.19	116.65	119.42
24	121.22	122.22	119.04	112.12	105.61	89.73	96.37	103.60	109.13	113.32	116.75	119.49
25	121.28	122.17	119.03	111.76	104.72	90.02	96.55	103.79	109.29	113.44	116.85	119.57
26	121.34	122.16	118.89	108.16	103.85	90.54	96.75	103.95	109.43	113.57	116.95	119.64
27	121.38	122.21	115.93	105.79	103.28	91.00	97.09	104.16	109.58	113.69	117.04	119.71
28	121.44	122.24	113.74	105.54	103.06	91.19	97.44	104.35	109.74	113.80	117.14	119.79
29	121.48	122.25	113.23	105.67	---	90.99	97.72	104.53	109.92	113.92	117.24	119.86
30	121.51	122.29	113.37	105.68	---	89.05	97.97	104.73	110.08	114.04	117.34	119.90
31	121.56	---	113.46	105.69	---	88.12	---	104.92	---	114.16	117.43	---

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