



Water-Data Report 2011

**385159075502204 Local number CO Dc 155**

Northern Atlantic Coastal Plain aquifer system  
Calvert Formation

Caroline County, MD

LOCATION.--Lat 38°51'59", long 75°50'22" referenced to North American Datum of 1983, Caroline County, MD, Hydrologic Unit 02060005, Martinak State Park, near Denton.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 214 ft. Upper casing diameter 4.5 in; top of first opening 184 ft, bottom of last opening 209 ft. Drilled, observation well.

DATUM.--Land-surface datum is 20 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 2.70 ft above land-surface datum, Aug. 11, 2010, to present.

PERIOD OF RECORD.--August 2010 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder, October 2010 to December 2010.

REMARKS.--Coastal Plain Miocene age aquifer study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.48 ft below land surface, April 25, 2011; lowest measured, 18.23 ft below land surface, July 27, 2011.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 13	16.22	T	--	Apr 25	13.48	T	--
18	16.12	T	--	May 26	14.24	T	--
22	16.44	T	--	Jun 30	16.45	T	--
Dec 16	15.81	T	--	Jul 27	18.23	T	--
Jan 20	15.73	T	--	Aug 31	16.72	T	--
Feb 15	15.61	T	--	Sep 30	15.11	T	--
Mar 29	14.35	T	--				

Water year 2011 highest: 13.48, Apr 25, 2011; lowest: 18.23, Jul 27, 2011

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	16.35	15.75	15.52	14.75	---	---	---	---	---	---
2	---	---	16.24	15.66	15.93	15.28	---	---	---	---	---	---
3	---	---	16.16	15.48	15.89	15.29	---	---	---	---	---	---
4	---	---	16.01	15.19	15.85	15.25	---	---	---	---	---	---
5	---	---	15.88	15.27	15.81	15.22	---	---	---	---	---	---
6	---	---	16.18	15.47	15.85	15.26	---	---	---	---	---	---
7	---	---	16.33	15.72	16.00	15.52	---	---	---	---	---	---
8	---	---	16.23	15.54	16.16	15.60	---	---	---	---	---	---
9	---	---	16.20	15.51	16.18	15.63	---	---	---	---	---	---
10	---	---	16.06	15.44	16.13	15.52	---	---	---	---	---	---
11	---	---	15.89	15.29	16.07	15.51	---	---	---	---	---	---
12	---	---	15.70	15.26	15.91	15.06	---	---	---	---	---	---
13	---	---	15.69	15.20	15.65	15.04	---	---	---	---	---	---
14	---	---	15.80	15.25	15.94	15.47	---	---	---	---	---	---
15	---	---	15.79	15.32	16.03	15.55	---	---	---	---	---	---
16	---	---	15.80	15.29	---	---	---	---	---	---	---	---
17	---	---	15.82	15.06	---	---	---	---	---	---	---	---
18	---	---	16.10	15.50	---	---	---	---	---	---	---	---
19	16.51	15.92	16.23	15.66	---	---	---	---	---	---	---	---
20	16.47	15.84	16.11	15.35	---	---	---	---	---	---	---	---
21	16.35	15.71	16.20	15.56	---	---	---	---	---	---	---	---
22	16.52	15.99	16.09	15.29	---	---	---	---	---	---	---	---
23	16.57	15.96	15.75	15.21	---	---	---	---	---	---	---	---
24	16.63	16.04	16.09	15.47	---	---	---	---	---	---	---	---
25	16.53	15.69	15.95	15.20	---	---	---	---	---	---	---	---
26	16.32	15.74	15.63	15.13	---	---	---	---	---	---	---	---
27	16.18	15.63	15.73	15.20	---	---	---	---	---	---	---	---
28	16.29	15.69	16.11	15.36	---	---	---	---	---	---	---	---
29	16.31	15.73	16.05	15.48	---	---	---	---	---	---	---	---
30	16.26	15.51	15.95	15.36	---	---	---	---	---	---	---	---
31	16.31	15.40	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	16.63	15.40	16.35	15.06	16.18	14.75	---	---	---	---	---	---

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	---	---

	Max	Min
<b>Year</b>	16.63	14.75

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