



Water-Data Report 2011

**385159075502203 Local number CO Dc 154**

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 249 ft. Upper casing diameter 4.5 in; top of first opening 232 ft, bottom of last opening 244 ft. Drilled, observation well.

DATUM.--Land-surface datum is 20 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 2.50 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, 15.16 ft below land surface, May 26, 2011; lowest measured, 18.50 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	17.97	T	--	Apr 25	15.28	T	--
18	17.88	T	--	May 26	15.16	T	--
22	18.12	T	--	Jun 30	17.10	T	--
Dec 16	17.16	T	--	Jul 27	18.50	T	--
Jan 20	16.88	T	--	Aug 31	18.28	T	--
Feb 15	16.88	T	--	Sep 30	16.89	T	--
Mar 29	15.98	T	--				

Water year 2011 highest: 15.16, May 26, 2011; lowest: 18.50, 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	---	---	18.11	17.55	16.96	16.29	---	---	---	---	---	---
2	---	---	17.94	17.41	17.42	16.78	---	---	---	---	---	---
3	---	---	17.79	17.18	17.37	16.83	---	---	---	---	---	---
4	---	---	17.63	16.89	17.30	16.73	---	---	---	---	---	---
5	---	---	17.52	16.97	17.20	16.68	---	---	---	---	---	---
6	---	---	17.81	17.17	17.22	16.69	---	---	---	---	---	---
7	---	---	17.93	17.36	17.36	16.91	---	---	---	---	---	---
8	---	---	17.79	17.14	17.51	16.98	---	---	---	---	---	---
9	---	---	17.77	17.13	17.47	16.97	---	---	---	---	---	---
10	---	---	17.63	17.07	17.42	16.84	---	---	---	---	---	---
11	---	---	17.46	16.93	17.31	16.74	---	---	---	---	---	---
12	---	---	17.23	16.87	17.12	16.36	---	---	---	---	---	---
13	---	---	17.24	16.80	16.94	16.34	---	---	---	---	---	---
14	---	---	17.33	16.85	17.26	16.81	---	---	---	---	---	---
15	---	---	17.35	16.94	17.34	16.88	---	---	---	---	---	---
16	---	---	17.37	16.93	---	---	---	---	---	---	---	---
17	---	---	17.39	16.70	---	---	---	---	---	---	---	---
18	---	---	17.73	17.20	---	---	---	---	---	---	---	---
19	18.16	17.66	17.85	17.34	---	---	---	---	---	---	---	---
20	18.14	17.58	17.71	16.93	---	---	---	---	---	---	---	---
21	18.01	17.45	17.76	17.17	---	---	---	---	---	---	---	---
22	18.21	17.76	17.61	16.87	---	---	---	---	---	---	---	---
23	18.26	17.68	17.28	16.81	---	---	---	---	---	---	---	---
24	18.33	17.79	17.66	17.04	---	---	---	---	---	---	---	---
25	18.21	17.41	17.51	16.76	---	---	---	---	---	---	---	---
26	18.02	17.50	17.12	16.68	---	---	---	---	---	---	---	---
27	17.90	17.42	17.23	16.74	---	---	---	---	---	---	---	---
28	18.08	17.49	17.60	16.88	---	---	---	---	---	---	---	---
29	18.11	17.54	17.51	16.98	---	---	---	---	---	---	---	---
30	18.03	17.31	17.36	16.84	---	---	---	---	---	---	---	---
31	18.05	17.18	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	18.33	17.18	18.11	16.68	17.51	16.29	---	---	---	---	---	---

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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	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

	Max	Min
Year	18.33	16.29

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