

Water-Data Report 2011

**385819075480702 Local number CO Cd 67**

Northern Atlantic Coastal Plain aquifer system  
Calvert Formation

Caroline County, MD

LOCATION.--Lat 38°58'19.3", long 75°48'06.8" referenced to North American Datum of 1983, Caroline County, MD, Hydrologic Unit 02060005, Greensboro Carnival Grounds.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 165 ft. Upper casing diameter 4.5 in; top of first opening 145 ft, bottom of last opening 160 ft. Drilled, observation well.

DATUM.--Land-surface datum is 5 ft above North American Vertical Datum of 1988. Measuring point: Top of inner rim of manhole, 0.00 ft above land-surface datum, Sep. 8, 2010, to present.

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

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder, March 2011 to current year.

REMARKS.--Coastal Plain Miocene age aquifer study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.18 ft above land surface, August 28, 2011 (recorder); lowest measured, 9.53 ft above land surface, August 9, 2011 (recorder).

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
(READINGS ABOVE LAND SURFACE INDICATED BY "+")  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: N, non-recording gage; G, pressure gage. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 7	+11.62	N	--	Mar 18	+11.61	G	--
Jan 25	+11.01	N	--	29	+11.65	G	--
Feb 15	+11.23	G	--	Apr 25	+12.07	G	--
Mar 4	+11.14	G	--	May 26	+11.97	G	--
11	+11.72	G	--	Jun 30	+10.99	G	--
11	+11.72	G	--	Jul 27	+10.43	G	--
11	+11.68	G	--	Aug 31	+10.46	G	--
18	+11.63	G	--	Sep 30	+11.28	G	--

Water year 2011 highest: +12.07, Apr 25, 2011; lowest: +10.43, Jul 27, 2011

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
 [- (minus sign), value is water level above land surface]

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	-11.42	-11.80
13	---	---	---	---	---	---	---	---	---	---	-11.52	-11.82
14	---	---	---	---	---	---	---	---	---	---	-11.82	-12.07
15	---	---	---	---	---	---	---	---	---	---	-11.75	-12.16
16	---	---	---	---	---	---	---	---	---	---	-11.70	-11.91
17	---	---	---	---	---	---	---	---	---	---	-11.61	-11.99
18	---	---	---	---	---	---	---	---	---	---	-11.48	-11.77
19	---	---	---	---	---	---	---	---	---	---	-11.51	-12.17
20	---	---	---	---	---	---	---	---	---	---	-11.98	-12.42
21	---	---	---	---	---	---	---	---	---	---	-11.42	-12.03
22	---	---	---	---	---	---	---	---	---	---	-11.38	-11.74
23	---	---	---	---	---	---	---	---	---	---	-11.02	-11.61
24	---	---	---	---	---	---	---	---	---	---	-11.13	-11.72
25	---	---	---	---	---	---	---	---	---	---	-11.40	-11.72
26	---	---	---	---	---	---	---	---	---	---	-11.40	-11.70
27	---	---	---	---	---	---	---	---	---	---	-11.42	-11.62
28	---	---	---	---	---	---	---	---	---	---	-11.38	-11.72
29	---	---	---	---	---	---	---	---	---	---	-11.47	-11.66
30	---	---	---	---	---	---	---	---	---	---	-11.27	-11.76
31	---	---	---	---	---	---	---	---	---	---	-10.99	-11.48
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	-10.99	-12.42

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## DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[- (minus sign), value is water level above land surface]

Day	Max	Min	Max	Min								
	April		May		June		July		August		September	
1	-10.95	-11.36	-12.01	-12.34	-11.68	-12.10	-10.96	-11.29	-10.17	-10.56	-10.42	-10.81
2	-11.07	-11.42	-11.98	-12.41	-11.57	-12.03	-10.91	-11.35	-9.92	-10.38	-10.48	-10.87
3	-11.23	-11.58	-11.80	-12.29	-11.65	-12.05	-10.71	-11.21	-9.89	-10.25	-10.45	-10.87
4	-10.94	-11.45	-11.78	-12.23	-11.60	-12.03	-10.64	-11.03	-9.94	-10.54	-10.35	-10.87
5	-10.68	-11.39	-11.85	-12.24	-11.61	-12.00	-10.72	-11.12	-10.15	-10.56	-10.35	-10.69
6	-11.34	-11.74	-11.79	-12.18	-11.56	-11.97	-10.77	-11.13	-9.96	-10.54	-10.56	-10.75
7	-11.39	-11.79	-11.73	-12.11	-11.40	-11.85	-10.68	-11.14	-9.58	-10.20	-10.66	-10.95
8	-11.57	-11.91	-11.72	-12.12	-11.32	-11.74	-10.62	-11.04	-9.57	-9.91	-10.71	-11.08
9	-11.60	-11.94	-11.81	-12.12	-11.28	-11.67	-10.84	-11.10	-9.53	-9.90	-10.76	-11.02
10	-11.53	-11.90	-11.79	-12.11	-11.35	-11.69	-10.96	-11.22	-9.55	-9.87	-10.78	-11.04
11	-11.06	-11.71	-11.98	-12.28	-11.31	-11.66	-10.67	-11.29	-9.58	-9.96	-10.87	-11.17
12	-11.14	-11.47	-11.77	-12.28	-11.24	-11.62	-10.59	-11.02	-9.78	-10.08	-10.82	-11.20
13	-11.35	-11.66	-11.69	-12.12	-11.33	-11.81	-10.59	-11.00	-9.77	-10.13	-10.81	-11.18
14	-11.59	-11.82	-11.53	-12.00	-11.33	-11.69	-10.81	-11.25	-9.86	-10.26	-10.82	-11.19
15	-11.66	-12.01	-11.44	-11.85	-11.38	-11.73	-11.00	-11.41	-9.79	-10.21	-10.77	-11.37
16	-11.42	-11.93	-11.51	-11.98	-11.41	-11.88	-10.98	-11.41	-9.95	-10.39	-11.11	-11.66
17	-11.46	-12.13	-11.71	-12.11	-11.31	-11.84	-10.98	-11.40	-10.10	-10.45	-11.37	-11.68
18	-11.51	-11.99	-11.78	-12.22	-11.21	-11.58	-10.70	-11.19	-9.95	-10.40	-11.37	-11.69
19	-11.60	-11.97	-11.88	-12.41	-11.14	-11.47	-10.52	-10.91	-9.99	-10.37	-11.30	-11.65
20	-11.41	-11.90	-11.91	-12.33	-11.19	-11.69	-10.59	-10.91	-10.14	-10.44	-11.29	-11.60
21	-11.62	-12.26	-11.90	-12.25	-11.22	-11.66	-10.44	-10.88	-10.03	-10.43	-11.29	-11.59
22	-12.00	-12.40	-11.99	-12.36	-11.09	-11.57	-10.35	-10.76	-10.04	-10.39	-11.30	-11.59
23	-11.82	-12.28	-11.84	-12.36	-10.98	-11.36	-10.31	-10.67	-10.25	-10.49	-11.21	-11.55
24	-11.73	-12.17	-11.72	-12.11	-10.95	-11.31	-10.37	-10.66	-10.12	-10.54	-11.30	-11.61
25	-11.74	-12.20	-11.86	-12.12	-11.09	-11.30	-10.31	-10.68	-10.17	-10.38	-11.22	-11.67
26	-11.78	-12.02	-11.83	-12.13	-11.20	-11.44	-10.28	-10.53	-10.08	-10.40	-11.19	-11.54
27	-11.66	-12.03	-11.81	-12.12	-11.06	-11.48	-10.36	-10.68	-9.92	-10.33	-11.10	-11.51
28	-11.56	-11.90	-11.84	-12.14	-11.01	-11.32	-10.44	-10.72	-10.33	-13.18	-11.11	-11.55
29	-11.60	-11.93	-11.90	-12.29	-10.99	-11.31	-10.24	-10.72	-10.66	-12.56	-11.10	-11.63
30	-11.89	-12.13	-11.83	-12.21	-10.95	-11.33	-10.21	-10.57	-10.17	-10.66	-11.04	-11.51
31	---	---	-11.83	-12.17	---	---	-10.26	-10.65	-10.33	-10.75	---	---
Month	-10.68	-12.40	-11.44	-12.41	-10.95	-12.10	-10.21	-11.41	-9.53	-13.18	-10.35	-11.69

	Max	Min
Year	-9.53	-13.18

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