

Water-Data Report 2011

**385819075480701 Local number CO Cd 66**

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 195 ft. Upper casing diameter 4.5 in; top of first opening 175 ft, bottom of last opening 190 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, 13.52 ft above land surface, August 28, 2011 (recorder); lowest measured, 9.86 ft above land surface, August 9 and 10, 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	+11.83	N	--	Apr 25	+12.34	G	--
Jan 25	+11.32	N	--	May 26	+12.22	G	--
Feb 15	+11.45	G	--	Jun 30	+11.30	G	--
Mar 4	+11.45	G	--	Jul 27	+10.71	G	--
11	+12.03	G	--	Aug 31	+10.83	G	--
18	+11.89	G	--	Sep 30	+11.56	G	--
29	+11.92	G	--				

Water year 2011 highest: +12.34, Apr 25, 2011; lowest: +10.71, Jul 27, 2011

385819075480701 Local number CO Cd 66—Continued

## 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	---	---	---	---	---	---	---	---	---	---	-11.71	-12.08
13	---	---	---	---	---	---	---	---	---	---	-11.81	-12.12
14	---	---	---	---	---	---	---	---	---	---	-12.11	-12.36
15	---	---	---	---	---	---	---	---	---	---	-12.03	-12.44
16	---	---	---	---	---	---	---	---	---	---	-11.95	-12.15
17	---	---	---	---	---	---	---	---	---	---	-11.87	-12.24
18	---	---	---	---	---	---	---	---	---	---	-11.67	-12.02
19	---	---	---	---	---	---	---	---	---	---	-11.71	-12.37
20	---	---	---	---	---	---	---	---	---	---	-12.21	-12.63
21	---	---	---	---	---	---	---	---	---	---	-11.63	-12.26
22	---	---	---	---	---	---	---	---	---	---	-11.60	-11.96
23	---	---	---	---	---	---	---	---	---	---	-11.28	-11.86
24	---	---	---	---	---	---	---	---	---	---	-11.38	-11.96
25	---	---	---	---	---	---	---	---	---	---	-11.67	-11.96
26	---	---	---	---	---	---	---	---	---	---	-11.67	-11.95
27	---	---	---	---	---	---	---	---	---	---	-11.70	-11.91
28	---	---	---	---	---	---	---	---	---	---	-11.67	-12.00
29	---	---	---	---	---	---	---	---	---	---	-11.75	-11.96
30	---	---	---	---	---	---	---	---	---	---	-11.55	-12.04
31	---	---	---	---	---	---	---	---	---	---	-11.28	-11.75
Month	---	---	---	---	---	---	---	---	---	---	-11.28	-12.63

## 385819075480701 Local number CO Cd 66—Continued

## 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	-11.24	-11.63	-12.35	-12.67	-11.96	-12.38	-11.22	-11.58	-10.47	-10.86	-10.81	-11.19
2	-11.35	-11.69	-12.30	-12.74	-11.85	-12.31	-11.18	-11.62	-10.23	-10.70	-10.90	-11.27
3	-11.51	-11.84	-12.12	-12.61	-11.91	-12.31	-10.99	-11.47	-10.22	-10.57	-10.83	-11.26
4	-11.22	-11.73	-12.13	-12.56	-11.86	-12.32	-10.93	-11.29	-10.26	-10.87	-10.75	-11.25
5	-10.95	-11.70	-12.17	-12.58	-11.89	-12.28	-11.02	-11.38	-10.47	-10.89	-10.74	-11.08
6	-11.62	-12.02	-12.11	-12.51	-11.84	-12.24	-11.06	-11.42	-10.27	-10.88	-10.92	-11.13
7	-11.68	-12.06	-12.03	-12.43	-11.69	-12.12	-10.96	-11.43	-9.90	-10.52	-11.02	-11.31
8	-11.87	-12.21	-12.06	-12.43	-11.59	-12.01	-10.92	-11.31	-9.90	-10.22	-11.11	-11.45
9	-11.89	-12.24	-12.12	-12.44	-11.54	-11.93	-11.12	-11.38	-9.86	-10.23	-11.14	-11.39
10	-11.80	-12.18	-12.11	-12.43	-11.63	-11.96	-11.26	-11.51	-9.86	-10.20	-11.15	-11.42
11	-11.35	-12.01	-12.29	-12.58	-11.57	-11.92	-10.97	-11.58	-9.89	-10.28	-11.21	-11.53
12	-11.45	-11.73	-12.09	-12.61	-11.51	-11.90	-10.90	-11.32	-10.10	-10.40	-11.17	-11.55
13	-11.63	-11.95	-12.02	-12.45	-11.62	-12.08	-10.90	-11.30	-10.10	-10.45	-11.15	-11.52
14	-11.86	-12.09	-11.85	-12.30	-11.59	-11.95	-11.10	-11.52	-10.18	-10.58	-11.15	-11.53
15	-11.96	-12.28	-11.73	-12.17	-11.65	-12.01	-11.30	-11.70	-10.13	-10.53	-11.14	-11.71
16	-11.70	-12.22	-11.83	-12.27	-11.68	-12.14	-11.31	-11.71	-10.30	-10.70	-11.49	-12.00
17	-11.75	-12.41	-11.99	-12.41	-11.56	-12.11	-11.28	-11.68	-10.44	-10.76	-11.71	-12.01
18	-11.83	-12.28	-12.11	-12.54	-11.46	-11.87	-11.00	-11.48	-10.28	-10.72	-11.71	-12.02
19	-11.93	-12.26	-12.20	-12.70	-11.43	-11.74	-10.84	-11.18	-10.30	-10.70	-11.63	-11.98
20	-11.71	-12.18	-12.20	-12.63	-11.49	-11.96	-10.87	-11.19	-10.47	-10.77	-11.62	-11.93
21	-11.95	-12.53	-12.21	-12.55	-11.51	-11.92	-10.72	-11.16	-10.34	-10.75	-11.61	-11.91
22	-12.32	-12.68	-12.31	-12.65	-11.36	-11.86	-10.66	-11.07	-10.36	-10.71	-11.61	-11.89
23	-12.11	-12.57	-12.13	-12.65	-11.25	-11.63	-10.62	-10.97	-10.59	-10.81	-11.52	-11.86
24	-12.02	-12.44	-12.01	-12.41	-11.22	-11.56	-10.69	-10.95	-10.45	-10.87	-11.60	-11.88
25	-12.07	-12.49	-12.14	-12.40	-11.33	-11.57	-10.61	-11.00	-10.49	-10.71	-11.50	-11.97
26	-12.10	-12.35	-12.10	-12.41	-11.45	-11.72	-10.59	-10.84	-10.41	-10.75	-11.48	-11.83
27	-11.98	-12.37	-12.10	-12.40	-11.34	-11.78	-10.66	-10.99	-10.25	-10.65	-11.35	-11.79
28	-11.87	-12.24	-12.10	-12.42	-11.26	-11.59	-10.74	-11.05	-10.65	-13.52	-11.42	-11.83
29	-11.94	-12.24	-12.18	-12.58	-11.24	-11.60	-10.54	-11.02	-11.01	-12.94	-11.36	-11.90
30	-12.20	-12.46	-12.10	-12.49	-11.21	-11.60	-10.51	-10.88	-10.49	-11.01	-11.31	-11.78
31	---	---	-12.10	-12.44	---	---	-10.56	-10.96	-10.69	-11.12	---	---
Month	-10.95	-12.68	-11.73	-12.74	-11.21	-12.38	-10.51	-11.71	-9.86	-13.52	-10.74	-12.02

	Max	Min
Year	-9.86	-13.52

385819075480701 Local number CO Cd 66—Continued

