



Water-Data Report 2011

385223075595002 Local number TA Bf 100

Northern Atlantic Coastal Plain aquifer system
Calvert Formation

Talbot County, MD

LOCATION.--Lat 38°52'23", long 75°59'50" referenced to North American Datum of 1983, Talbot County, MD, Hydrologic Unit 02060005, Cordova Volunteer Fire Department.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 135 ft. Upper casing diameter 4.5 in; top of first opening 110 ft, bottom of last opening 130 ft. Drilled, observation well.

DATUM.--Land-surface datum is 53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum, Oct. 13, 2010, to present.

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

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder, January 2011 to April 2011.

REMARKS.--Coastal Plain Miocene age aquifer study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.39 ft below land surface, April 1 and 2, 2011 (recorder); lowest measured, 12.42 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	12.27	T	--	Apr 25	9.51	T	--
Nov 19	11.45	T	--	May 26	10.03	T	--
Jan 20	11.22	T	--	Jun 30	11.51	T	--
25	11.25	T	--	Jul 27	12.42	T	--
Feb 15	10.75	T	--	Aug 31	11.59	T	--
Mar 11	10.09	T	--	Sep 30	10.28	T	--
29	9.51	T	--				

Water year 2011 highest: 9.51, Mar 29, 2011, Apr 25, 2011; lowest: 12.42, 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	---	---	---	---	---	---	---	---	11.17	11.11	10.51	10.46
2	---	---	---	---	---	---	---	---	11.13	10.99	10.54	10.44
3	---	---	---	---	---	---	---	---	11.06	11.03	10.76	10.54
4	---	---	---	---	---	---	---	---	11.08	10.99	10.75	10.65
5	---	---	---	---	---	---	---	---	10.99	10.84	10.68	10.59
6	---	---	---	---	---	---	---	---	10.91	10.87	10.59	10.36
7	---	---	---	---	---	---	---	---	10.89	10.82	10.48	10.35
8	---	---	---	---	---	---	---	---	10.94	10.82	10.48	10.44
9	---	---	---	---	---	---	---	---	10.96	10.85	10.45	10.34
10	---	---	---	---	---	---	---	---	10.85	10.80	10.34	10.11
11	---	---	---	---	---	---	---	---	10.83	10.77	10.11	10.08
12	---	---	---	---	---	---	---	---	10.83	10.75	10.13	10.03
13	---	---	---	---	---	---	---	---	10.82	10.73	10.04	10.00
14	---	---	---	---	---	---	---	---	10.74	10.66	10.01	9.97
15	---	---	---	---	---	---	---	---	10.76	10.71	9.97	9.90
16	---	---	---	---	---	---	---	---	10.75	10.69	9.91	9.80
17	---	---	---	---	---	---	---	---	10.74	10.68	9.84	9.77
18	---	---	---	---	---	---	---	---	10.72	10.64	9.80	9.69
19	---	---	---	---	---	---	---	---	10.71	10.64	9.74	9.70
20	---	---	---	---	---	---	---	---	10.71	10.64	9.74	9.71
21	---	---	---	---	---	---	11.26	11.13	10.65	10.58	9.72	9.57
22	---	---	---	---	---	---	11.25	11.22	10.62	10.56	9.61	9.56
23	---	---	---	---	---	---	11.30	11.21	10.66	10.61	9.61	9.44
24	---	---	---	---	---	---	11.30	11.26	10.62	10.55	9.49	9.43
25	---	---	---	---	---	---	11.26	11.23	10.55	10.41	9.50	9.47
26	---	---	---	---	---	---	11.25	11.13	10.60	10.52	9.59	9.48
27	---	---	---	---	---	---	11.18	11.13	10.62	10.53	9.57	9.53
28	---	---	---	---	---	---	11.15	11.11	10.56	10.43	9.54	9.51
29	---	---	---	---	---	---	11.20	11.11	---	---	9.54	9.51
30	---	---	---	---	---	---	11.19	11.14	---	---	9.51	9.43
31	---	---	---	---	---	---	11.18	11.16	---	---	9.46	9.40
Month	---	---	---	---	---	---	11.30	11.11	11.17	10.41	10.76	9.40

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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	9.44	9.39	---	---	---	---	---	---	---	---	---	---
2	9.48	9.39	---	---	---	---	---	---	---	---	---	---
3	9.57	9.46	---	---	---	---	---	---	---	---	---	---
4	9.49	9.43	---	---	---	---	---	---	---	---	---	---
5	9.47	9.40	---	---	---	---	---	---	---	---	---	---
6	9.66	9.45	---	---	---	---	---	---	---	---	---	---
7	9.90	9.61	---	---	---	---	---	---	---	---	---	---
8	9.87	9.65	---	---	---	---	---	---	---	---	---	---
9	9.72	9.63	---	---	---	---	---	---	---	---	---	---
10	9.75	9.65	---	---	---	---	---	---	---	---	---	---
11	10.02	9.65	---	---	---	---	---	---	---	---	---	---
12	10.00	9.81	---	---	---	---	---	---	---	---	---	---
13	9.81	9.68	---	---	---	---	---	---	---	---	---	---
14	10.00	9.65	---	---	---	---	---	---	---	---	---	---
15	10.10	9.94	---	---	---	---	---	---	---	---	---	---
16	10.05	9.68	---	---	---	---	---	---	---	---	---	---
17	9.70	9.63	---	---	---	---	---	---	---	---	---	---
18	9.72	9.60	---	---	---	---	---	---	---	---	---	---
19	9.72	9.62	---	---	---	---	---	---	---	---	---	---
20	9.83	9.68	---	---	---	---	---	---	---	---	---	---
21	9.89	9.75	---	---	---	---	---	---	---	---	---	---
22	9.86	9.73	---	---	---	---	---	---	---	---	---	---
23	9.79	9.62	---	---	---	---	---	---	---	---	---	---
24	9.65	9.55	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	10.10	9.39	---	---	---	---	---	---	---	---	---	---

	Max	Min
Year	11.30	9.39

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