



Water-Data Report 2011

385223075595001 Local number TA Bf 99

Undefined Aquifer
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 193 ft. Upper casing diameter 4.5 in; top of first opening 178 ft, bottom of last opening 188 ft.

DATUM.--Land-surface datum is 53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 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, 10.79 ft below land surface, April 1 and 2, 2011 (recorder); lowest measured, 13.84 ft below land surface, October 13, 2010.

**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	13.84	T	--	Apr 25	11.05	T	--
Nov 19	12.80	T	--	May 26	11.43	T	--
Jan 20	12.27	T	--	Jun 30	12.79	T	--
25	12.42	T	--	Jul 27	13.76	T	--
Feb 15	12.08	T	--	Aug 31	13.04	T	--
Mar 11	11.46	T	--	Sep 30	11.86	T	--
29	10.93	T	--				

Water year 2011 highest: 10.93, Mar 29, 2011; lowest: 13.84, Oct 13, 2010

385223075595001 Local number TA Bf 99—Continued

**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	---	---	---	---	---	---	---	---	12.42	12.32	11.80	11.72
2	---	---	---	---	---	---	---	---	12.35	12.20	11.90	11.74
3	---	---	---	---	---	---	---	---	12.28	12.25	12.32	11.87
4	---	---	---	---	---	---	---	---	12.35	12.25	12.23	12.02
5	---	---	---	---	---	---	---	---	12.25	12.09	12.19	11.98
6	---	---	---	---	---	---	---	---	12.14	12.11	11.98	11.63
7	---	---	---	---	---	---	---	---	12.21	12.11	11.78	11.60
8	---	---	---	---	---	---	---	---	12.31	12.15	11.76	11.71
9	---	---	---	---	---	---	---	---	12.35	12.19	11.85	11.69
10	---	---	---	---	---	---	---	---	12.23	12.12	11.71	11.43
11	---	---	---	---	---	---	---	---	12.14	12.08	11.53	11.36
12	---	---	---	---	---	---	---	---	12.17	12.05	11.52	11.40
13	---	---	---	---	---	---	---	---	12.15	12.03	11.42	11.38
14	---	---	---	---	---	---	---	---	12.06	11.97	11.41	11.37
15	---	---	---	---	---	---	---	---	12.08	12.04	11.42	11.33
16	---	---	---	---	---	---	---	---	12.11	12.00	11.39	11.22
17	---	---	---	---	---	---	---	---	12.14	12.02	11.32	11.19
18	---	---	---	---	---	---	---	---	12.02	11.94	11.29	11.14
19	---	---	---	---	---	---	---	---	12.03	11.93	11.17	11.13
20	---	---	---	---	---	---	---	---	12.03	11.94	11.18	11.16
21	---	---	---	---	---	---	12.48	12.32	11.94	11.88	11.16	11.02
22	---	---	---	---	---	---	12.52	12.41	11.92	11.86	11.11	11.01
23	---	---	---	---	---	---	12.48	12.40	12.02	11.90	11.07	10.93
24	---	---	---	---	---	---	12.50	12.47	11.93	11.83	10.94	10.88
25	---	---	---	---	---	---	12.48	12.41	11.84	11.70	10.93	10.91
26	---	---	---	---	---	---	12.45	12.32	11.93	11.81	11.07	10.91
27	---	---	---	---	---	---	12.35	12.32	11.86	11.81	11.03	10.96
28	---	---	---	---	---	---	12.39	12.31	11.84	11.69	10.98	10.93
29	---	---	---	---	---	---	12.42	12.31	---	---	10.96	10.93
30	---	---	---	---	---	---	12.39	12.35	---	---	10.94	10.85
31	---	---	---	---	---	---	12.40	12.37	---	---	10.94	10.82
Month	---	---	---	---	---	---	12.52	12.31	12.42	11.69	12.32	10.82

385223075595001 Local number TA Bf 99—Continued

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	10.86	10.79	---	---	---	---	---	---	---	---	---	---
2	10.94	10.79	---	---	---	---	---	---	---	---	---	---
3	10.91	10.88	---	---	---	---	---	---	---	---	---	---
4	10.98	10.85	---	---	---	---	---	---	---	---	---	---
5	10.89	10.82	---	---	---	---	---	---	---	---	---	---
6	11.38	10.88	---	---	---	---	---	---	---	---	---	---
7	11.73	11.09	---	---	---	---	---	---	---	---	---	---
8	11.51	11.12	---	---	---	---	---	---	---	---	---	---
9	11.29	11.09	---	---	---	---	---	---	---	---	---	---
10	11.37	11.12	---	---	---	---	---	---	---	---	---	---
11	12.06	11.14	---	---	---	---	---	---	---	---	---	---
12	11.77	11.33	---	---	---	---	---	---	---	---	---	---
13	11.33	11.16	---	---	---	---	---	---	---	---	---	---
14	11.90	11.13	---	---	---	---	---	---	---	---	---	---
15	12.04	11.54	---	---	---	---	---	---	---	---	---	---
16	11.70	11.18	---	---	---	---	---	---	---	---	---	---
17	11.18	11.11	---	---	---	---	---	---	---	---	---	---
18	11.40	11.10	---	---	---	---	---	---	---	---	---	---
19	11.47	11.18	---	---	---	---	---	---	---	---	---	---
20	11.67	11.29	---	---	---	---	---	---	---	---	---	---
21	11.81	11.40	---	---	---	---	---	---	---	---	---	---
22	11.75	11.36	---	---	---	---	---	---	---	---	---	---
23	11.47	11.18	---	---	---	---	---	---	---	---	---	---
24	11.19	11.09	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	12.06	10.79	---	---	---	---	---	---	---	---	---	---

	Max	Min
Year	12.52	10.79

385223075595001 Local number TA Bf 99—Continued

