

Water-Data Report 2011

392536075592003 Local number CE Dd 139

Northern Atlantic Coastal Plain aquifer system
Magothy Formation

Cecil County, MD

LOCATION.--Lat 39°25'35.7", long 75°59'19.8" referenced to North American Datum of 1983, Cecil County, MD, Hydrologic Unit 02060002, at U.S. Army Corps of Engineers Pearce Creek Dredge Material Containment Area.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 58 ft. Upper casing diameter 4 in; top of first opening 48 ft, bottom of last opening 58 ft. Drilled observation well.

DATUM.--Land-surface datum is 34.86 ft above North American Vertical Datum of 1988. Measuring point: Top of PVC casing, 2.79 ft above land-surface datum, April 13, 2010, to present.

PERIOD OF RECORD.--April 2010 to March 2011.

GAGE.--Intermittent water-level measurements by U.S. Geological Survey personnel.

REMARKS.--Pearce Creek Dredge Material Containment Area groundwater study observation well 4R. Water levels may be affected by tides.

EXTREMES FOR PERIOD OF RECORD.--Highest static water-level measured, 9.25 ft above sea level, May 3, 2010; lowest static measured, 6.38 ft above sea level, September 21, 2010. Highest water level affected by pumping measured, 9.49 ft above sea level, April 29, 2010.

WATER SURFACE ELEVATION IN FEET NAVD 1988

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 20	6.54	T	--	Mar 18	7.13	T	--

Water year 2011 lowest: 6.54, Oct 20, 2010, highest: 7.13, Mar 18, 2011