



Water-Data Report 2011

392514075584301 Local number CE Dd 125

Northern Atlantic Coastal Plain aquifer system
Magothy Formation

Cecil County, MD

LOCATION.--Lat 39°25'14.2", long 75°58'42.9" referenced to North American Datum of 1983, Cecil County, MD, Hydrologic Unit 02060002, off Pond Neck Road, near U.S. Army Corps of Engineers Pearce Creek Dredge Material Containment Area.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 90.33 ft. Upper casing diameter 4 in; top of first opening 80.33 ft, bottom of last opening 90.33 ft. Drilled observation well.

DATUM.--Land-surface datum is 46.96 ft above North American Vertical Datum of 1988. Measuring point: Top of PVC casing, 0.07 ft below land-surface datum, Nov. 17, 2009, to present.

PERIOD OF RECORD.--November 2009 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 CSW 5.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 9.23 ft above sea level, April 2, 2010; lowest static measured, 6.26 ft above sea level, November 17, 2009. Lowest water level affected by pumping measured, 6.12 ft above sea level, February 3, 2011.

**WATER SURFACE ELEVATION IN FEET NAVD 1988
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: T, electric tape. Water-level status: --, static; P, site was being pumped.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Feb 3	6.28	T	--	Feb 3	6.12	T	P
3	6.12	T	P	Mar 18	7.53	T	--

Water year 2011 lowest: 6.28, Feb 3, 2011, highest: 7.53, Mar 18, 2011