



Water-Data Report 2011

392546075584801 Local number CE Dd 135

Northern Atlantic Coastal Plain aquifer system
Magothy Formation

Cecil County, MD

LOCATION.--Lat 39°25'46.0", long 75°58'48.2" 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 99 ft. Upper casing diameter 2 in; top of first opening 89 ft, bottom of last opening 99 ft. Drilled observation well.

DATUM.--Land-surface datum is 42.75 ft above North American Vertical Datum of 1988. Measuring point: Top of PVC casing, 2.90 ft above 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 15.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 9.79 ft above sea level, April 2, 2010; lowest static measured, 7.77 ft above sea level, November 17, 2009. Lowest water level affected by pumping measured, 7.56 ft above sea level, February 8, 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
Jan 20	8.09	T	--	Feb 8	7.62	T	P
Feb 8	8.38	T	--	Mar 18	8.90	T	--
	8 7.56	T	P				

Water year 2011 lowest: 8.09, Jan 20, 2011, highest: 8.90, Mar 18, 2011