



Water-Data Report 2012

365425076105001 Local number 61D 5 SOW 155

Northern Atlantic Coastal Plain aquifer system
Patapsco Formation

Virginia Beach City, VA

LOCATION.--Lat 36°54'25", long 76°10'50" referenced to North American Datum of 1927, Virginia Beach City, VA, Hydrologic Unit 02080108, 100 ft east of Ferry Road, 0.3 mi northwest of Diamond Springs Road in Virginia Beach. Owner: City of Virginia Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,378 ft. Upper casing diameter 6.00 in; top of first opening 1,207 ft, bottom of last opening 1,365.5 ft. Drilled unused water well, diameter 4 in. from 150 to 1,378 ft, screened 1,207 to 1,229 ft, 1,250 to 1,264 ft, 1,286 to 1,306 ft, 1,345 to 1,365.5 ft.

DATUM.--Land-surface datum is 11 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 2.80 ft above land-surface datum, Dec. 1, 1980, to present.

PERIOD OF RECORD.--December 1980 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

GAGE.--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 9, 1985, to July 5, 1995, bimonthly measurement with chalked tape. Prior to Oct. 9, 1985, occasional measurement with chalked tape.

REMARKS.--Well is located in Middle Potomac aquifer of Cretaceous age. Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.75 ft. below land-surface datum, Dec. 17, 1980; lowest measured, 87.85 ft. below land-surface datum, June 6, 2011.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[Measurement method: S, steel tape. Water-level status: - - , static.]

| Date | Water level | Measure-ment method | Water-level status | Date | Water level | Measure-ment method | Water-level status |
|--------|-------------|---------------------|--------------------|--------|-------------|---------------------|--------------------|
| Nov 14 | 86.21 | S | -- | May 11 | 86.82 | S | -- |
| Feb 24 | 86.85 | S | -- | Jul 31 | 86.35 | S | -- |

Water year 2012 highest: 86.21, Nov 14, 2011; lowest: 86.85, Feb 24, 2012

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