



Water-Data Report 2010

390211074505501 Local number 090080 Cape May 42 Obs

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand
Cape May County, NJ

LOCATION.--Lat 39°02'13", long 74°50'56" referenced to North American Datum of 1927, Middle Township, Cape May County, NJ, Hydrologic Unit 02040302, in the center of the median of the Garden State Parkway, near mile marker 6.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 252 ft. Upper casing diameter 6 in; top of first opening 242 ft, bottom of last opening 252 ft. Drilled artesian well.

DATUM.--Land-surface datum is 13.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base of locking cap, 2.41 ft above land-surface datum, Nov 5, 1993, to present.

PERIOD OF RECORD.--July 1957 to current year.

GAGE.--None: periodic measurements with chalked steel tape. Water-level recorder, May 1963 to July 1970. Periodic measurements, October 1958 to May 1963. Water-level recorder, July 1957 to October 1958.

REMARKS.--Water level is affected by tidal fluctuation and nearby pumping.

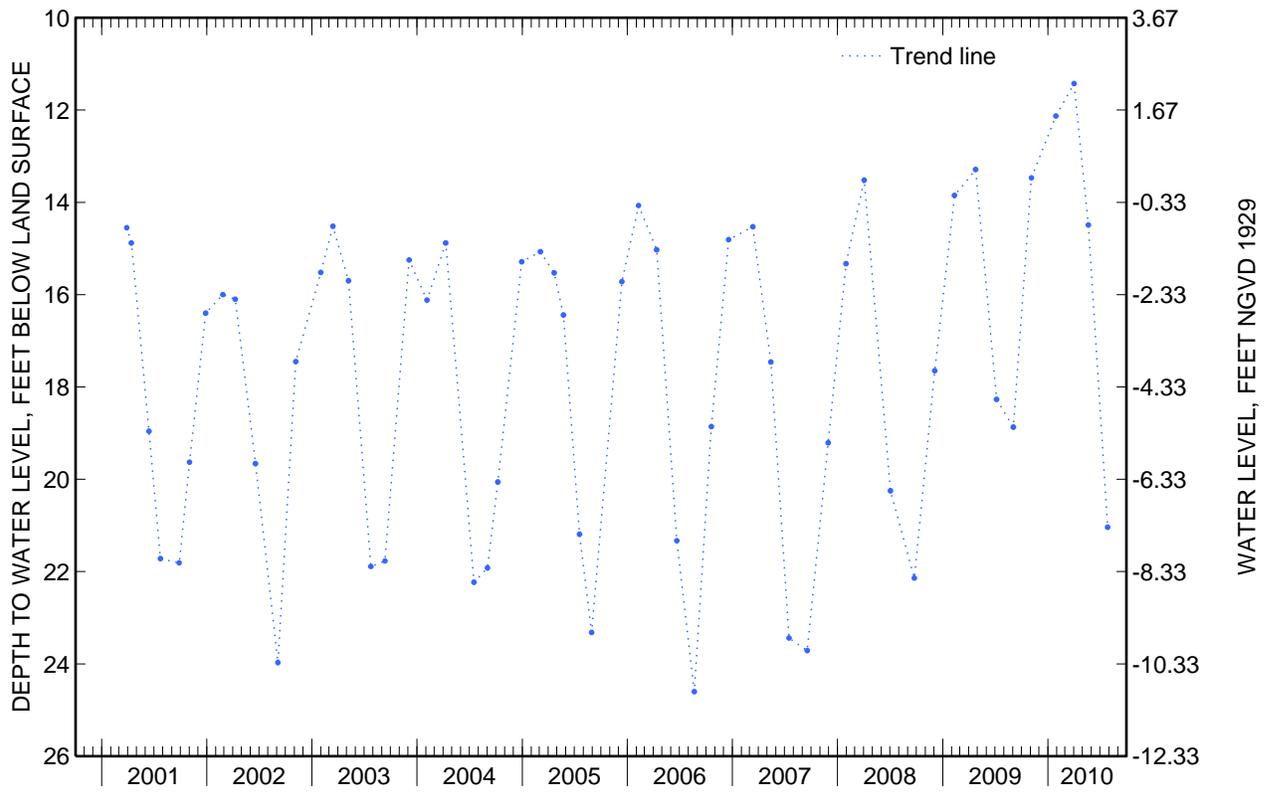
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.82 ft below land surface, Apr 3, 6, 1958; lowest, 24.60 ft below land surface, Aug 21, 2006.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Water level	Date	Water level
Nov 4	13.47	May 21	14.49
Jan 28	12.13	Jul 27	21.04
Apr 1	11.43		

Water year 2010 highest: 11.43, Apr 1, 2010; lowest: 21.04, Jul 27, 2010

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WATER-QUALITY RECORDS

WATER-QUALITY DATA

WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

[mg/L, milligrams per liter; °C, degrees Celsius; μ S/cm, microsiemens per centimeter; μ g/L, micrograms per liter]

Date	Sample start time	pH, water, unfiltered, field, standard units (00400)	Specific conduc tance, water, unfiltered, μ S/cm at 25 °C (00095)	Tempera ture, water, °C (00010)	Calcium, water, filtered, mg/L (00915)	Sodium, water, filtered, mg/L (00930)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Boron, water, filtered, μ g/L (01020)
05-21-2010	1140	7.0	152	15.3	17.9	8.38	.04	11.6	20