



Water-Data Report 2007

394829074053501 Local number 290017 Island Beach 1 Obs

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation
Ocean County, NJ

LOCATION.--Lat 39°48'29", long 74°05'35" referenced to North American Datum of 1927, Lacey Township, Ocean County, NJ, Hydrologic Unit 02040301, in Island Beach State Park, about 6.6 mi south of the main entrance.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 397 ft. Upper casing diameter 6 in, top of first opening 377 ft, bottom of last opening 397 ft. Drilled water-table well.

DATUM.--Land-surface datum is 8.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Front edge of max-min, 3.40 ft above land-surface datum, Feb. 2, 1977, to Aug. 22, 2007; Top of base of locking cap, 3.06 ft above land-surface datum, Aug. 22, 2007, to present.

PERIOD OF RECORD.--July 1962 to current year.

GAGE.--None: periodic measurements with chalked steel tape. Water-level extremes recorder, Oct. 1976 to Sept. 2004. Periodic measurements, Aug. 1975 to Feb. 1977. Water-level recorder, July 1962 to Aug. 1975.

REMARKS.--Water level is affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft below land surface, Dec. 6, 1962; lowest, 6.57 ft below land surface, between Dec. 3, 2001 and Mar. 7, 2002.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Water level	Date	Water level
Dec 4	5.58	Jun 7	3.99
Feb 6	5.99	Aug 9	5.20
Apr 11	5.01	22	5.48

Water year 2007 highest: 3.99 Jun 07, 2007; lowest: 5.99 Feb 06, 2007

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