



Water-Data Report 2009

402536073590501 Local number 250316 Sandy Hook SP 1 Obs NJ Permit Number 29-04299

Northern Atlantic Coastal Plain aquifer system
Old Bridge Sand Member of Magothy Formation
Monmouth County, NJ

LOCATION.--Lat 40°25'36", long 73°59'05" referenced to North American Datum of 1927, Middletown Township, Monmouth County, NJ, Hydrologic Unit 02030104, about 1.9 mi north of the main entrance of Sandy Hook National Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 397 ft. Upper casing diameter 8 in; top of first opening 371 ft, bottom of last opening 397 ft. Drilled artesian well.

DATUM.--Land-surface datum is 10.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base of locking cap, 1.76 ft above land-surface datum, Oct 19, 1998, to present.

PERIOD OF RECORD.--May 1965 to December 1984, August 1988 to current year.

GAGE.--None: periodic measurements with chalked steel tape. Water-level extremes recorder, February 1977 to December 1984. Periodic measurements, August 1975 to February 1977. Water-level recorder, May 1965 to August 1975.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.64 ft below land surface, Apr 30, 1999; lowest, 20.12 ft below land surface, between Sep 7 and Nov 2, 1977.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

| Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|
| Oct 15 | 12.70 | Sep 10 | 10.47 |
| Apr 24 | 10.74 | | |

Water year 2009 highest: 10.47 Sep 10, 2009; lowest: 12.70 Oct 15, 2008

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