



Water-Data Report 2009

402633074220001 Local number 230439 South River 2 Obs NJ Permit Number 28-05987

Northern Atlantic Coastal Plain aquifer system
Farrington Sand Member of Raritan Formation
Middlesex County, NJ

LOCATION.--Lat 40°26'33", long 74°22'00" referenced to North American Datum of 1927, South River Borough, Middlesex County, NJ, Hydrologic Unit 02030105, at the corner of Whitehead Ave. and Anne St.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 126 ft. Upper casing diameter 6 in; top of first opening 121 ft, bottom of last opening 126 ft. Drilled artesian well.

DATUM.--Land-surface datum is 20.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.12 ft above land-surface datum, Oct 22, 1993, to present.

PERIOD OF RECORD.--January 1968 to current year.

GAGE.--None: periodic measurements with chalked steel tape. Water-level extremes recorder, January 1977 to September 1987. Periodic measurements, April 1975 to January 1977. Water-level recorder, January 1968 to April 1975.

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

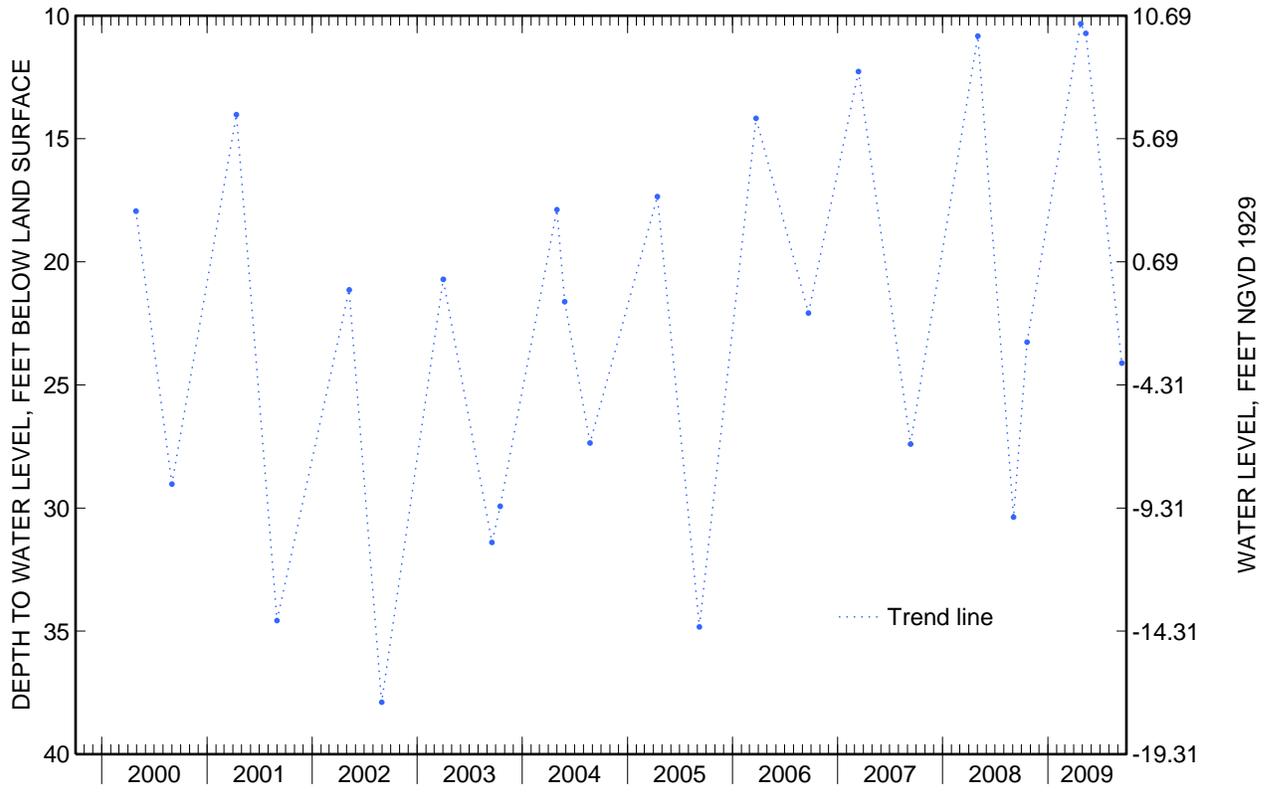
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.00 ft below land surface, Apr 17, 1996; lowest, 73.64 ft below land surface, between Aug 25 and Oct 16, 1980.

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

Date	Water level	Date	Water level
Oct 20	23.26	May 12	10.72
Apr 24	10.33	Sep 14	24.11

Water year 2009 highest: 10.33 Apr 24, 2009; lowest: 24.11 Sep 14, 2009

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WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Alti- tude of land surface feet (72000)	Depth of well, feet below LSD (72008)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
May 12...	1150	5.2	6.1	206	14.5	20.7	126.00	166	6.54	2.45	1.57	14.4	<8

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

[Remark codes: <, less than; E, estimated.]

Date	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Iron, water, fltrd, μg/L (01046)	Mangan- ese, water, fltrd, μg/L (01056)	Stront- ium, water, fltrd, μg/L (01080)	Arsenic water, fltrd, μg/L (01000)	Boron, water, fltrd, μg/L (01020)
May 12...	.11	37.3	<.08	11.0	24.8	14,400	206	89.2	E.05	6