



Water-Data Report 2007

**404452074211601 Local number 130013 Canoe Brook 30 Obs**

Sand and gravel aquifers (glaciated regions)  
Stratified Drift  
Essex County, NJ

LOCATION.--Lat 40°44'52", long 74°21'16" referenced to North American Datum of 1927, Millburn Township, Essex County, NJ, Hydrologic Unit 02030103, about 0.3 mi north of the New Jersey - American Water Company's Canoe Brook pumping station, near Chatham.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 130 ft. Upper casing diameter 6 in. Drilled observation well.

DATUM.--Land-surface datum is 170 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 6.57 ft above land-surface datum, July 1, 1984, to present.

PERIOD OF RECORD.--Sept. 1925 to current year.

GAGE.--None: periodic measurements with chalked steel tape. Water-level recorder, Apr. 1977 to July 1984. Periodic measurements, Apr. 1975 to Apr. 1977. Water-level recorder, Sept. 1925 to Apr. 1975.

REMARKS.--Water level is affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.00 ft below land surface, Aug. 1, 1931; lowest, 86.70 ft below land surface, Oct. 23, 1977.

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

| <b>Date</b> | <b>Water level</b> | <b>Date</b> | <b>Water level</b> |
|-------------|--------------------|-------------|--------------------|
| Nov 7       | 41.20              | Sep 5       | 46.21              |
| Apr 20      | 40.13              |             |                    |

Water year 2007 highest: 40.13 Apr 20, 2007; lowest: 46.21 Sep 05, 2007

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