



Water-Data Report 2011

**415948071325001 Local number North Smithfield well NSW 21**

Sand and gravel aquifers (glaciated regions)  
Outwash

Providence County

LOCATION.--Lat 41°59'41", long 71°32'51" referenced to North American Datum of 1927, Providence County, Hydrologic Unit 01090003, 500 ft southwest of Rt. 146A, 900 ft west of intersection of Rt. 146A and Harkness Road at Branch Village in North Smithfield.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 16 ft. Upper casing diameter 24.00 in; top of first opening 16 ft, bottom of last opening 16 ft.

DATUM.--Land-surface datum is 238.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: About 2 acres of land surrounding well excavated by ~ 1.84 ft; MP did not change, new cap 2010, 1.84 ft below land-surface datum, May 21, 1947, to present.

PERIOD OF RECORD.--May 1947 to current year.

GAGE.--Monthly measurement.

COOPERATION.--Rhode Island Department of Environmental Management; Rhode Island Water Resources Board.

REMARKS.--Well used for domestic supply; water levels affected by pumping, 1947-80.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 7	8.75	Apr 25	6.20
26	8.34	May 23	7.23
Nov 22	7.50	Jun 27	7.63
Dec 20	6.45	Jul 26	9.19
Jan 24	7.42	Aug 31	7.35
Feb 22	6.20	Sep 26	7.68
Mar 28	6.42		

Water year 2011 highest: 6.20, Feb 22, 2011, Apr 25, 2011;  
lowest: 9.19, Jul 26, 2011

Period of record highest: 3.32, Mar 29, 2010; lowest: 11.71,  
Oct 28, 1957

Record available from May 1, 1947, to Nov 5, 2012; 787  
entries

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