

Water-Data Report 2010

**412824072173301 Local number SM 7**

Sand and gravel aquifers (glaciated regions)  
Drift, Stratified

New London County, CT

LOCATION.--Lat 41°28'24", long 72°17'33" referenced to North American Datum of 1927, New London County, CT, Hydrologic Unit 01080205, 100 ft east of State Rt. 11 northbound lane, 0.9 mi north of junction with Rt. 82, Salem; Hamburg quadrangle. Owner: Connecticut Department of Transportation.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 17 ft, plastic casing to 12 ft, screened 12 to 17 ft.

DATUM.--Elevation of land-surface datum is 238 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: top of steel protective casing between hacksaw marks, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1979 to current year.

GAGE.--Prior to Nov. 1990 measurements made monthly; Nov. 1990 through Sep. 1994 measurements made biweekly with a chalked tape; Oct. 1994 through Sep. 1996 measurements made biweekly with an electric tape; Oct. 1996 to current year measurements made monthly with an electric tape. All measurements made by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.75 ft below land-surface datum, June 27, 2001; lowest water level measured, 13.96 ft below land-surface datum, Oct. 23, 2007.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 26	12.34	T	--	Apr 26	8.07	T	--
Nov 27	9.01	T	--	May 20	9.47	T	--
Dec 22	7.41	T	--	Jun 28	11.51	T	--
Jan 26	8.14	T	--	Jul 26	12.47	T	--
Feb 23	9.25	T	--	Aug 30	13.17	T	--
Mar 29	5.74	T	--	Sep 28	13.38	T	--

Water year 2010 highest: 5.74, Mar 29, 2010; lowest: 13.38, Sep 28, 2010

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