

Water-Data Report 2010

414240072033201 Local number SC 22

Sand and gravel aquifers (glaciated regions)
Drift, Stratified

Windham County, CT

LOCATION.--Lat 41°42'40", long 72°03'32" referenced to North American Datum of 1927, Windham County, CT, Hydrologic Unit 01100002, hillside site at James V. Spignesi, Jr. Wildlife Area (prior to March 29, 1999 known as Pudding Hill Wildlife Management area). Off State Rt. 97 along north side of field road about 3,300 ft east of Rt. 97, Scotland; Scotland quadrangle. Owner: Connecticut Department of Energy and Environmental Protection.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 26 ft, PVC casing, slotted 24.5 to 26 ft.

DATUM.--Elevation of land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: top of steel protective casing, 2.11 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Prior to November 8, 1988 measurements made monthly with a chalked tape by Natural Resources Center personnel. Water-level data recorder with 60-minute recording interval installed November 8, 1988, removed 1992. October 1993 through September 1994 measurements made biweekly with a chalked tape; October 1994 through September 1996 measurements made biweekly with an electric tape; October 1996 through May 17, 2007 measurements made monthly with an electric tape. Submersible pressure transducer/data logger May 17, 2007 to current year, collects 1-hour water-level data. All measurements since October 1993 made by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.17 ft below land-surface datum, Mar. 31, 2010 (measured); lowest water level measured, 16.00 ft below land-surface datum, Oct. 2, 1984 (measured).

**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 28	13.25	T	--	Apr 29	10.17	T	--
Nov 24	12.76	T	--	May 21	11.35	T	--
Dec 23	10.90	T	--	Jun 29	12.57	T	--
Jan 27	10.64	T	--	Jul 27	13.27	T	--
Feb 24	11.04	T	--	Aug 31	13.84	T	--
Mar 31	4.17	T	--	Sep 29	14.30	T	--
Apr 28	10.14	T	--				

Water year 2010 highest: 4.17, Mar 31, 2010; lowest: 14.30, Sep 29, 2010

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	12.91	12.88	13.19	13.16	12.58	12.55	10.66	10.60	10.15	10.12	---	---
2	12.94	12.91	13.16	13.13	12.55	12.50	10.60	10.56	10.16	10.14	---	---
3	12.96	12.94	13.13	13.10	12.50	12.46	10.58	10.56	10.20	10.15	---	---
4	12.98	12.95	13.10	13.07	12.46	12.36	10.58	10.57	10.25	10.20	---	---
5	13.01	12.98	13.07	13.03	12.36	12.19	10.60	10.58	10.28	10.25	---	---
6	13.02	13.01	13.03	13.02	12.19	12.04	10.63	10.60	10.31	10.27	---	---
7	13.05	13.02	13.02	12.99	12.04	11.89	10.66	10.62	10.37	10.31	---	---
8	13.07	13.05	12.99	12.98	11.89	11.78	10.69	10.65	10.43	10.37	---	---
9	13.08	13.07	12.98	12.96	11.78	11.65	10.74	10.69	10.46	10.43	---	---
10	13.11	13.08	12.96	12.95	11.65	11.58	10.76	10.74	10.49	10.44	---	---
11	13.12	13.11	12.95	12.93	11.59	11.52	10.79	10.76	10.56	10.49	---	---
12	13.13	13.12	12.94	12.93	11.52	11.45	10.82	10.78	10.60	10.56	---	---
13	13.15	13.13	12.93	12.93	11.45	11.36	10.86	10.82	10.63	10.59	---	---
14	13.16	13.15	12.93	12.92	11.37	11.29	10.90	10.86	10.69	10.63	---	---
15	13.17	13.16	12.93	12.92	11.29	11.22	10.94	10.89	10.73	10.69	---	---
16	13.18	13.17	12.93	12.91	11.22	11.15	10.96	10.92	10.77	10.72	---	---
17	13.20	13.18	12.91	12.90	11.15	11.08	10.98	10.95	10.80	10.77	---	---
18	13.21	13.20	12.90	12.89	11.08	11.01	11.02	10.96	10.86	10.80	---	---
19	13.22	13.21	12.89	12.87	11.01	10.94	11.02	11.00	10.91	10.85	---	---
20	13.24	13.22	12.87	12.85	10.94	10.93	11.02	11.01	10.94	10.91	---	---
21	13.25	13.24	12.85	12.82	10.93	10.92	11.03	11.01	10.98	10.94	---	---
22	13.25	13.24	12.82	12.80	10.93	10.92	11.03	10.99	11.02	10.98	---	---
23	13.27	13.25	12.80	12.77	10.93	10.89	11.05	11.02	11.04	11.01	---	---
24	13.27	13.26	12.77	12.75	10.95	10.92	11.05	11.04	---	---	---	---
25	13.28	13.27	12.75	12.72	10.96	10.94	11.04	10.98	---	---	---	---
26	13.28	13.27	12.72	12.69	10.97	10.95	10.98	10.78	---	---	---	---
27	13.27	13.26	12.69	12.66	10.96	10.94	10.78	10.56	---	---	---	---
28	13.27	13.25	12.67	12.65	10.95	10.86	10.56	10.35	---	---	---	---
29	13.28	13.26	12.65	12.62	10.86	10.81	10.35	10.22	---	---	---	---
30	13.26	13.23	12.62	12.58	10.81	10.74	10.22	10.14	---	---	---	---
31	13.23	13.19	---	---	10.74	10.66	10.14	10.12	---	---	---	---
Month	13.28	12.88	13.19	12.58	12.58	10.66	11.05	10.12	---	---	---	---

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	10.36	10.30	11.81	11.77	12.62	12.60	13.34	13.32	---	---
2	---	---	10.42	10.36	11.85	11.81	12.65	12.62	13.35	13.33	---	---
3	---	---	10.48	10.42	11.89	11.85	12.67	12.65	13.36	13.34	---	---
4	---	---	10.54	10.48	11.92	11.89	12.70	12.67	13.37	13.36	---	---
5	---	---	10.58	10.54	11.95	11.92	12.72	12.70	13.39	13.37	---	---
6	---	---	10.64	10.58	11.99	11.95	12.75	12.72	13.39	13.38	---	---
7	---	---	10.69	10.64	12.02	11.99	12.78	12.75	13.41	13.39	---	---
8	---	---	10.75	10.69	12.06	12.02	12.80	12.78	13.42	13.41	---	---
9	---	---	10.81	10.75	12.08	12.06	12.82	12.80	13.44	13.42	---	---
10	---	---	10.88	10.81	12.12	12.08	12.85	12.82	13.45	13.44	---	---
11	---	---	10.92	10.88	12.15	12.12	12.88	12.85	13.47	13.45	---	---
12	---	---	10.97	10.92	12.17	12.15	12.91	12.88	13.49	13.47	---	---
13	---	---	11.02	10.97	12.20	12.17	12.93	12.91	13.50	13.48	---	---
14	---	---	11.06	11.02	12.23	12.20	12.96	12.93	13.53	13.50	---	---
15	---	---	11.11	11.06	12.26	12.23	12.99	12.96	13.54	13.52	---	---
16	---	---	11.16	11.11	12.27	12.26	13.01	12.99	13.56	13.54	---	---
17	---	---	11.21	11.16	12.30	12.27	13.04	13.01	13.58	13.56	---	---
18	---	---	11.25	11.21	12.32	12.30	13.07	13.04	13.60	13.58	---	---
19	---	---	11.30	11.25	12.34	12.32	13.09	13.07	13.61	13.59	---	---
20	---	---	11.33	11.30	12.36	12.34	13.12	13.09	13.63	13.61	---	---
21	---	---	11.37	11.33	12.39	12.36	13.14	13.12	13.66	13.63	---	---
22	---	---	11.41	11.37	12.41	12.39	13.17	13.14	13.67	13.65	---	---
23	---	---	11.44	11.41	12.43	12.41	13.20	13.17	13.69	13.67	---	---
24	---	---	11.48	11.44	12.46	12.43	13.22	13.20	13.71	13.69	---	---
25	---	---	11.52	11.48	12.48	12.46	13.25	13.22	13.73	13.70	---	---
26	---	---	11.57	11.52	12.50	12.48	13.27	13.25	13.75	13.72	---	---
27	---	---	11.61	11.56	12.53	12.50	13.29	13.27	13.77	13.75	---	---
28	---	---	11.65	11.61	12.55	12.53	13.30	13.28	13.78	13.76	---	---
29	---	---	11.69	11.65	12.58	12.55	13.31	13.30	13.80	13.78	---	---
30	10.30	10.23	11.73	11.69	12.60	12.58	13.32	13.30	13.83	13.80	14.32	14.30
31	---	---	11.77	11.73	---	---	13.33	13.31	---	---	---	---
Month	---	---	11.77	10.30	12.60	11.77	13.33	12.60	---	---	---	---

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