

CONNECTICUT RIVER BASIN

01185500 WEST BRANCH FARMINGTON RIVER NEAR NEW BOSTON, MA

LOCATION.--Lat 42°04'45", long 73°04'24", Berkshire County, Hydrologic Unit 01080207, on left bank 5 ft downstream from highway bridge, 0.3 mi downstream from Clam River, 1 mi south of New Boston, and at mile 65.0.

DRAINAGE AREA.--91.7 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1913 to current year. Prior to October 1948, published as Farmington River near New Boston.

REVISED RECORDS.--WSP 641: 1924(M). WSP 781: 1928(M). WSP 1231: 1914. WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 758.21 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Otis Reservoir 7.0 mi upstream on Fall River. High flow slightly affected by retarding reservoirs since 1966. Satellite and telephone gage-height telemeter at station.

AVERAGE DISCHARGE.--88 years, 184 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,300 ft<sup>3</sup>/s, Aug. 19, 1955, gage height, 14.06 ft, from rating curve extended above 9,600 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow; minimum daily, 2.4 ft<sup>3</sup>/s, Aug. 20, 21, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 ft<sup>3</sup>/s, Dec. 17, gage height, 6.26 ft, minimum daily, 5.3 ft<sup>3</sup>/s, Sept.3,9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	166	100	e170	174	110	434	112	108	72	11	6.4
2	47	155	85	e130	130	103	370	102	423	57	10	5.6
3	44	152	111	e120	e110	85	320	95	1150	47	9.3	5.3
4	42	148	e98	e110	e140	76	289	89	757	42	17	5.5
5	48	147	e94	e100	e170	83	282	83	452	53	25	6.3
6	238	145	e90	e92	e150	118	343	74	304	70	18	6.7
7	137	145	e85	e88	e140	109	448	69	220	52	14	5.8
8	107	146	e90	e84	e130	86	668	67	164	48	12	5.4
9	84	146	e100	e80	e120	81	957	65	133	46	10	5.3
10	72	217	113	e78	e140	83	1410	60	107	40	14	6.1
11	67	269	106	e76	e160	82	1270	56	97	43	33	10
12	62	248	98	e74	e140	79	1240	52	112	41	24	7.3
13	96	220	88	e76	e110	105	1350	48	98	35	22	6.2
14	247	231	110	e80	e96	166	1410	41	84	33	19	14
15	206	278	104	e88	e110	153	1150	38	72	30	16	15
16	46	240	103	e110	e120	157	989	35	62	28	28	11
17	52	217	947	e94	e110	167	832	36	101	27	20	9.1
18	79	199	938	e88	e100	176	717	35	99	26	12	8.0
19	158	185	602	e80	e96	163	644	38	74	25	11	7.4
20	170	174	449	e86	94	169	509	35	65	22	10	9.3
21	293	169	359	e96	87	190	400	32	71	20	10	242
22	277	166	314	e110	e140	716	433	60	64	19	9.3	131
23	223	158	270	e94	e120	682	448	124	77	16	8.7	82
24	198	150	e220	e86	e110	525	387	170	152	15	8.7	58
25	196	149	e180	e78	148	445	306	170	104	13	7.7	275
26	192	175	e160	e74	196	410	248	257	83	16	7.2	308
27	190	223	e140	e70	143	363	202	601	65	18	7.4	167
28	182	215	e130	e86	99	325	165	429	53	15	7.7	97
29	174	203	e120	109	---	298	141	299	47	13	7.4	75
30	176	181	e150	136	---	462	124	211	42	12	6.8	59
31	178	---	e210	217	---	506	---	147	---	11	6.6	---
TOTAL	4331	5617	6764	3060	3583	7273	18486	3730	5440	1005	422.8	1649.7
MEAN	140	187	218	98.7	128	235	616	120	181	32.4	13.6	55.0
MAX	293	278	947	217	196	716	1410	601	1150	72	33	308
MIN	42	145	85	70	87	76	124	32	42	11	6.6	5.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	142	210	197	181	165	303	407	217	130	81.1	85.5	89.7																																																																													
MAX	774	817	563	529	608	947	934	627	479	290	1002	644																																																																													
(WY)	1956	1928	1997	1996	1981	1936	1993	1984	1982	1945	1955	1938																																																																													
MIN	19.9	27.0	31.1	20.1	34.7	88.5	96.1	61.6	23.9	9.26	5.68	8.81																																																																													
(WY)	1915	1915	1918	1981	1980	1965	1985	1941	1964	1962	1957	1995																																																																													

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1913 - 2001

ANNUAL TOTAL	70338	61361.5	
ANNUAL MEAN	192	168	184
HIGHEST ANNUAL MEAN			341
LOWEST ANNUAL MEAN			66.1
HIGHEST DAILY MEAN	1800	Jun 7	16100
LOWEST DAILY MEAN	27	Sep 1	2.4
ANNUAL SEVEN-DAY MINIMUM	37	Aug 26	3.1
MAXIMUM PEAK FLOW			1840
MAXIMUM PEAK STAGE			6.26
INSTANTANEOUS LOW FLOW			4.9
10 PERCENT EXCEEDS	357	377	400
50 PERCENT EXCEEDS	148	101	115
90 PERCENT EXCEEDS	59	12	26

e Estimated





HUDSON RIVER BASIN

01331500 HOOSIC RIVER AT ADAMS, MA

LOCATION.--Lat 42°36'40", long 73°07'28", Berkshire County, Hydrologic Unit 02020003, on left bank at Adams, 500 ft downstream from Dry Brook, and 0.4 mi upstream from Pecks Brook.

DRAINAGE AREA.--46.7 mi<sup>2</sup>.

PERIOD OF RECORD.--Discharge: October 1931 to current year.  
Water-quality records: Water years 1967-69.

REVISED RECORDS.--WDR MA-NH-RI-VT-73-1: 1971-72. WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 828.01 ft above sea level. Prior to Oct. 1, 1964, datum was 9.00 ft higher and Oct. 1, 1964, to May 29, 1974, 8.00 ft higher, at site 500 ft upstream.

REMARKS.--Records good. Diversion upstream for municipal supply of Adams. Some diurnal fluctuation by mill upstream prior to 1961. Flow regulated by Cheshire Reservoir 5.1 mi upstream.

AVERAGE DISCHARGE.--70 years, 89.9 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,080 ft<sup>3</sup>/s, Sept. 21, 1938, gage height, 9.25 ft, site and datum then in use, from rating curve extended above 1,100 ft<sup>3</sup>/s on basis of computation of peak flow over dam; minimum daily, 8.0 ft<sup>3</sup>/s, Aug. 31, Sept. 1, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft<sup>3</sup>/s, Dec. 17, gage height, 8.18 ft; minimum, 15 ft<sup>3</sup>/s, Aug. 30, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	51	69	59	66	55	73	119	69	97	23	44
2	38	50	61	59	59	54	71	112	285	76	22	22
3	39	49	53	58	55	53	72	104	424	50	24	20
4	46	48	53	57	50	52	78	69	331	45	61	22
5	48	48	54	57	53	55	91	61	206	47	57	22
6	146	47	52	57	56	118	109	56	164	54	32	19
7	87	46	48	56	54	58	187	56	143	43	27	18
8	65	45	47	55	52	54	360	94	128	42	24	17
9	59	53	46	55	66	53	433	47	83	44	22	17
10	57	155	39	53	131	55	567	45	77	42	22	33
11	55	125	42	52	93	52	507	47	111	56	22	42
12	50	79	59	50	76	51	516	47	197	46	23	24
13	48	69	48	49	73	56	635	50	98	42	25	22
14	46	87	49	48	73	65	613	45	78	39	23	31
15	44	143	48	48	123	60	514	45	72	38	21	27
16	47	98	57	48	90	63	464	44	66	35	20	24
17	51	86	602	48	80	64	404	44	138	41	21	22
18	140	79	415	46	69	66	365	44	91	39	21	20
19	184	74	218	45	67	62	330	45	63	34	20	20
20	107	69	182	45	66	65	318	41	59	31	19	23
21	68	68	154	45	65	82	366	39	60	30	19	117
22	60	65	143	44	57	235	520	53	57	28	18	49
23	57	61	123	43	60	224	477	72	57	26	18	38
24	58	53	115	43	57	159	392	97	76	26	17	32
25	58	53	104	43	59	120	300	92	59	26	16	175
26	56	69	89	42	70	89	238	108	45	47	16	83
27	55	99	94	41	62	95	212	254	38	37	16	40
28	53	86	85	41	57	90	187	165	35	29	16	34
29	51	75	75	41	---	118	151	105	33	27	16	31
30	52	72	68	52	---	117	159	90	44	26	15	28
31	52	---	58	77	---	120	---	78	---	25	15	---
TOTAL	2015	2202	3350	1557	1939	2660	9709	2368	3387	1268	711	1116
MEAN	65.0	73.4	108	50.2	69.2	85.8	324	76.4	113	40.9	22.9	37.2
MAX	184	155	602	77	131	235	635	254	424	97	61	175
MIN	38	45	39	41	50	51	71	39	33	25	15	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

	53.1	78.3	86.4	86.6	84.0	149	216	118	71.7	49.2	41.9	45.2
MEAN	53.1	78.3	86.4	86.6	84.0	149	216	118	71.7	49.2	41.9	45.2
MAX	217	213	190	211	263	474	523	268	203	212	170	286
(WY)	1956	1956	1974	1979	1981	1936	1940	1940	1972	1938	2000	1938
MIN	14.1	13.3	35.4	18.7	23.5	50.6	85.8	47.3	22.6	19.8	15.3	10.6
(WY)	1965	1965	1965	1981	1940	1965	1946	1985	1965	1991	1999	1980

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1932 - 2001

ANNUAL TOTAL	39623		32282		89.9	
ANNUAL MEAN	108		88.4		130	
HIGHEST ANNUAL MEAN					41.2	
LOWEST ANNUAL MEAN					1938	
HIGHEST DAILY MEAN	824	Aug 12	635	Apr 13	2410	Mar 18 1936
LOWEST DAILY MEAN	33	Feb 8	15	Aug 30	8.0	Aug 31 1968
ANNUAL SEVEN-DAY MINIMUM	34	Feb 7	16	Aug 25	8.8	Sep 7 1980
MAXIMUM PEAK FLOW			1160	Dec 17	5080	Sep 21 1938
MAXIMUM PEAK STAGE			8.18	Dec 17	9.25	Sep 21 1938
INSTANTANEOUS LOW FLOW			15	Aug 30		
10 PERCENT EXCEEDS	190		169		191	
50 PERCENT EXCEEDS	86		56		57	
90 PERCENT EXCEEDS	42		23		22	





As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in a table of discharge measurements at low-flow partial-record stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a second table.

## Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (\*).

Discharge measurements made at miscellaneous sites October 2000 through September 2001

Stream	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
PAWTUXET RIVER BASIN						
01115110 Huntinghouse Brook	Regulating Reservoir	Lat 41°50'48", long 71°36'44", Providence County, at Elmdale Road, 1.6 mi northwest of North Scituate, RI.	6.31	1993-2000	3-22-01 6-01-01 6-28-01 7-23-01 8-31-01 9-24-01	416 13.5 4.01 .9 .9 .55
01115114 Rush Brook	do.	Lat 41°50'15", long 71°36'45", Providence County, near Elmdale Road, 1.5 mi northwest of North Scituate, RI.	6.31	1993-2000	12-28-00 6-01-01 6-29-01 7-23-01 8-31-01 9-24-01	3.97 6.87 1.36 .52 .53 .41
01115120 Unnamed Tributary	Scituate Reservoir	Lat 41°49'53", long 71°36'34", Providence County, at State Highway 6, 1.2 mi west of North Scituate, RI.	0.42	1994-2000	4-04-01 5-30-01 6-01-01 6-28-01 7-23-01 9-24-01	1.20 .96 .38 .14 0 0
01115170 Moswansicut Stream	Regulating Reservoir	Lat 41°50'27", long 71°35'06", Providence County, at State Highway 116, 0.6 mi northeast of North Scituate, RI.	--	1994-95, 2000	4-04-01 6-01-01 6-28-01 7-23-01 8-31-01 9-24-01	30.9 8.15 .18 .24 .28 .17
01115180 Brandy Brook	Scituate Reservoir	Lat 41°49'10", long 71°35'11", Providence County, at State Highway 116, 0.9 mi south of North Scituate, RI.	1.59	1993-2000	4-04-01 6-07-01 6-28-01 7-23-01 8-31-01 9-24-01	8.20 2.20 1.37 .63 .41 .41
01115183 Quonapaug Brook	do.	Lat 41°47'51", long 71°24'53", Providence County, at State Highway 116, 2.4 mi south of North Scituate, RI.	1.96	1993-2000	4-04-01 6-07-01 6-28-01 7-23-01 8-31-01 9-24-01	10.6 2.78 2.27 .41 .12 .13
01115184 Spruce Brook	do.	Lat 41°47'19", long 71°37'14", Providence County, 0.2 mi south of State Highway 14, 3.5 mi southwest of North Scituate, RI.	0.30	1994-2000	4-04-01 6-07-01 7-09-01 7-24-01 8-31-01 9-24-01	7.34 2.41 1.61 .46 .26 .40
01115185 Windsor Brook	Ponaganset River	Lat 41°50'10", long 71°43'23", Providence County, at Windsor Road, 1.3 mi northwest of South Foster, RI.	--	1993-94, 1999-2000	12-28-01 6-01-01 6-29-01 7-24-01 8-31-01 9-26-01	4.10 6.34 1.18 .23 .61 .71

See footnotes at end of table

## DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites October 2000 through September 2001--Continued

Stream	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
<i>PAWTUXET RIVER BASIN--Continued</i>						
01115190 Dolly Cole Brook	Barden Reservoir	Lat 41°49'20", long 71°42'03", Providence County, at Old Danielson Pike at South Foster, RI.	5.07	1993-2000	3-23-01 6-01-01 6-29-01 7-24-01 8-31-01 9-26-01	120 9.66 2.33 .75 .87 .78
01115265 Hemlock Brook	do.	Lat 41°47'26", long 71°41'57", Providence County, at King Road, 1.2 mi northeast of Foster Center, RI.	--	1996-2000	4-04-01 6-07-01 6-28-01 7-24-01 8-31-01 9-24-01	34.2 11.6 5.70 .86 2.73 1.52
01115275 Bear Tree Brook	Westconnaug Stream	Lat 41°46'57", long 71°40'31", Providence County, at King Road, 1.2 mi northeast of Foster Center, RI.	.64	1994-95, 2000	12-28-01 4-04-01 6-29-01 7-24-01 8-31-01 9-24-01	0.82 3.22 1.15 .67 .54 .47
01115280 Cork Brook	Scituate Reservoir	Lat 41°48'14", long 71°39'01", Providence County, at Rockland Scituate Road, 0.8 mi northeast of Crazy Corners, RI.	1.91	1993-2000	4-04-01 6-07-01 7-09-01 7-24-01 8-31-01 9-24-01	6.04 2.12 1.52 .25 .22 .19
01115297 Wilbur Hollow Brook	Barden Reservoir	Lat 41°45'53", long 71°38'10", Providence County, at Old Plainfield Pike, 2.2 mi southeast of Rockland, RI.	4.45	1992-2000	4-04-01 6-07-01 6-29-01 7-24-01 8-31-01 9-24-01	19.4 6.93 4.07 1.13 1.05 1.52
01115500 Pawtuxet River	Narragansett Bay	Lat 41°43'58", long 71°33'01", Providence County, near Fairground Way, at Fiskeville, RI.	102	1915-25 <sup>a</sup> , 1986-87 <sup>c</sup> , 1996-2000	5-30-01 6-28-01 7-09-01 7-23-01 8-31-01 9-26-01	42.8 67.4 91.1 15.5 32.2 28.6
<i>PAWCATUCK RIVER BASIN</i>						
01117354 Queen River	Usquepaug River	Lat 41°34'43", long 71°32'37", Washington County, at bridge on State Route 102, 0.3 mi west of Exeter, RI.	2.80	2000	10-23-00 11-16-00 12-19-00 1-24-01 3-19-01 5-21-01 6-18-01 6-28-01 8-23-01 9-19-01 9-19-01	0.84 3.64 14.6 4.64 13.8 2.35 21.9 5.06 1.81 .11 .13
01117355 Queen River	do.	Lat 41°33'45", long 71°32'54", Washington County, at bridge on William Reynolds Road, 1.2 mi southwest of Exeter, RI. (Note: Drainage Area revised from 3.69 mi <sup>2</sup> )	3.75	1959-60, 1988-91, 1999-2000	10-23-00 11-16-00 12-19-00 1-25-01 3-20-01 5-22-01 5-29-01 5-31-01 6-29-01 8-24-01 9-20-01	.98 4.16 16.6 5.32 19.0 6.04 11.0 8.34 7.27 2.55 .42

See footnotes at end of table



Discharge measurements made at miscellaneous sites October 2000 through September 2001--Continued

Stream	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
<i>PAWCATUCK RIVER BASIN--Continued</i>						
01117360 Fisherville Brook	Queen River	Lat 41°33'51", long 71°33'54", Washington County, at bridge on Liberty Church Road, 1.7 mi southwest of Exeter, RI.	8.14	1959-60, 1988-91, 2000	10-23-00 11-16-00 12-19-00 1-25-01 3-20-01 5-21-01 6-28-01 8-23-01 9-19-01	2.46 7.28 31.0 11.2 32.7 8.14 17.1 6.66 1.43
01117367 Queens Fort Brook	do.	Lat 41°32'47", long 71°33'11", Washington County, 300 ft east of intersection Dawley Road and School Land Road, 1.2 mi northeast of Liberty, RI.	4.09	2000	10-23-00 11-17-00 12-18-00 1-25-01 3-21-01 5-21-01 5-29-01 5-31-01 6-18-01 6-28-01 8-24-01 9-19-01	.08 .15 .98 .43 3.58 .44 11.9 1.95 29.1 .85 .06 .02
01117368 Queen River	Usequepaug River	Lat 41°32'55", long 71°34'40", Washington County, at bridge on Dawley Road, 0.9 mi northeast of Liberty, RI.	18.4	2000	10-23-00 11-17-00 12-19-00 1-25-01 3-21-01 5-21-01 6-28-01 8-24-01 9-19-01	6.09 13.4 54.7 21.9 56.1 17.0 14.1 11.6 3.76
01117380 Locke Brook	Queen River	Lat 41°32'14", long 71°35'17", Washington County, at bridge on Mail Road, 0.8 mi west of Liberty, RI.	4.37	1959-60, 1988-91, 2000	10-23-00 11-17-00 12-19-00 1-25-01 3-20-01 5-21-01 6-28-01 8-23-01 9-19-01	1.95 5.03 15.9 7.31 15.9 4.78 9.86 4.14 1.44
01117390 Glen Rock Brook	Glen Rock Reservoir	Lat 41°30'59", long 71°36'23", Washington County, at culvert on Glen Rock Road, at Glen Rock, RI.	2.83	1989-91, 2000	10-23-00 11-17-00 12-19-00 1-24-01 3-21-01 5-22-01 6-18-01 6-29-01 8-23-01 9-20-01	0.90 2.58 10.8 4.57 8.90 3.41 17.4 3.84 .63 .48
01117400 Sherman Brook	Glen Rock Brook	Lat 41°31'04", long 71°36'18", Washington County, at culvert on Glen Rock Road, 0.1 mi north of Glen Rock, RI.	1.04	1966-74 <sup>b</sup> , 1989-91, 2000	10-23-00 11-17-00 12-19-00 1-24-01 3-21-01 5-22-01 6-29-01 8-23-01 9-19-01	0.45 1.36 5.16 2.51 3.08 1.70 1.31 0.64 0.14

<sup>a</sup> Operated as a continuous-record gaging station.<sup>b</sup> Operated as a crest-stage partial-record station and published as "Glen Rock Brook tributary."<sup>c</sup> Data not published in 1986-87 annual data report.





## SURFACE-WATER QUALITY AT MISCELLANEOUS SITES

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
01096544 STONY BROOK AT SCHOOL STREET AT CHELMSFORD, MA (LAT 42 37 04N LONG 071 24 08W)									
JUN									
13...	0.011	<0.020	0.028	5.4	6.0	5.7	0.8	200	195
JUL									
02...	.019	<.020	.049	7.4	9.6	2.2	1.6	780	235
24...	.009	<.020	.028	5.4	6.9	11.9	.7	100	137
AUG									
14...	.014	<.020	.035	6.2	7.6	7.4	1.4	400	288
SEP									
06...	.011	<.020	.023	4.8	5.9	--	--	200	169
14...	--	--	--	--	--	1.7	3.4	--	--
01096710 ASSABET RIVER AT ALLEN STREET AT NORTHBOROUGH, MA (LAT 42 19 46N LONG 071 37 48W)									
JUN									
06...	0.104	0.074	0.149	6.3	7.6	16.9	0.8	190	99.8
JUL									
03...	.132	.114	.185	6.8	7.3	.8	1.0	270	105
23...	.323	.313	.381	4.5	5.4	31.8	1.4	90	45.4
AUG									
13...	.149	.126	.198	5.1	6.2	19.9	3.3	60	111
SEP									
07...	.666	.655	.712	4.8	5.5	--	--	30	29.0
14...	--	--	--	--	--	27.6	2.3	--	--
01096720 ASSABET RIVER AT BOUNDARY ST. NR NORTHBOROUGH, MA (LAT 42 20 29N LONG 071 36 59W)									
JUN									
06...	0.093	0.067	0.145	6.4	--	--	1.4	210	87.3
JUL									
03...	.117	.100	.171	7.2	8.0	--	.8	300	90.8
23...	.272	.255	.300	4.6	5.4	--	.8	70	25.1
AUG									
13...	.147	.162	.184	5.2	6.1	--	1.9	70	87.1
SEP									
07...	.710	.710	.782	4.3	5.3	--	--	40	68.4
14...	--	--	--	--	--	--	1.8	--	--

SURFACE-WATER QUALITY AT MISCELLANEOUS SITES

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
011032058 CHARLES RIVER AT MAPLE ST. AT NORTH BELLINGHAM, MA (LAT 42 07 11N LONG 071 27 10W)												
JUN												
11...	1240	12	1.5	753	7.7	88	7.0	571	--	21.5	23.1	3.91
JUL												
04...	0900	42	3.0	757	5.6	62	6.6	416	20.6	19.6	16.7	2.82
25...	0900	8.8	2.8	752	6.7	84	7.0	624	28.0	25.5	22.8	3.66
AUG												
15...	0840	26	2.4	757	6.3	69	6.8	587	21.9	19.9	24.3	4.30
SEP												
13...	0850	6.1	2.9	758	7.2	77	7.3	782	15.4	18.5	27.8	5.72
01105504 EAST BRANCH NEPONSET AT CANTON JUNCTION, MA (LAT 42 09 31N LONG 071 09 19W)												
JUN												
07...	1240	26	4.7	756	8.1	90	7.3	25	20.9	20.7	11.2	3.02
JUL												
03...	0920	74	5.1	765	9.3	101	6.7	187	21.5	19.2	8.80	2.18
24...	0920	17	3.9	757	8.1	100	7.3	250	26.9	25.2	12.2	3.30
AUG												
14...	1500	59	5.3	757	8.4	96	6.7	192	23.5	21.9	9.69	2.58
SEP												
11...	0930	8.5	1.7	760	7.8	92	7.1	271	21.9	23.4	12.3	3.47
01106468 MATFIELD RIVER AT N CENTRAL ST AT E BRIDGEWATER, MA (LAT 42 02 01N LONG 070 58 21W)												
JUN												
07...	0930	47	4.9	757	7.3	76	6.8	494	24.0	17.0	20.2	3.70
JUL												
02...	1220	111	4.4	759	7.1	79	6.6	303	25.7	20.2	13.7	2.51
23...	1130	30	3.0	759	5.1	59	6.9	550	22.0	22.0	26.4	3.83
AUG												
14...	0950	98	3.1	758	6.3	70	6.5	261	22.8	20.7	11.6	2.50
SEP												
10...	1200	24	.7	762	5.0	59	6.8	593	29.4	23.3	21.8	3.76
01112262 MILL RIVER AT SUMMER STREET NEAR BLACKSTONE, MA (LAT 42 02 27N LONG 071 30 56W)												
JUN												
11...	1610	18	1.8	754	7.5	80	6.6	243	21.5	18.0	9.07	2.06
JUL												
03...	1620	47	2.7	760	8.3	90	6.5	208	24.9	19.2	7.33	1.58
24...	1510	12	1.9	752	8.6	103	7.0	227	32.0	23.8	9.41	2.07
AUG												
13...	1650	41	4.6	754	8.4	94	6.6	166	27.5	20.4	7.62	1.70
SEP												
12...	1700	5.0	1.3	760	8.8	96	6.9	291	24.6	19.3	11.0	2.47

SURFACE-WATER QUALITY AT MISCELLANEOUS SITES

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
011032058 CHARLES RIVER AT MAPLE ST. AT NORTH BELLINGHAM, MA (LAT 42 07 11N LONG 071 27 10W)												
JUN												
11...	5.28	75.7	132	E0.1	6.6	24.4	332	0.057	0.47	0.59	2.19	0.037
JUL												
04...	3.60	56.2	89.9	<.2	5.1	20.1	245	E.036	.47	.55	.449	.008
25...	6.97	84.8	142	E.1	2.9	24.2	311	E.036	.40	.47	2.38	.015
AUG												
15...	9.10	78.2	119	E.1	5.1	36.4	333	E.038	.58	.64	1.75	.015
SEP												
13...	10.0	106	150	E.1	2.0	52.6	408	E.039	.46	.59	2.28	.009
01105504 EAST BRANCH NEPONSET AT CANTON JUNCTION, MA (LAT 42 09 31N LONG 071 09 19W)												
JUN												
07...	1.48	27.5	50.6	E0.1	7.1	8.1	145	0.073	0.35	0.49	0.414	0.011
JUL												
03...	1.32	21.6	37.4	<.2	6.2	6.6	128	.041	.50	.61	.167	.007
24...	1.61	29.3	53.7	E.1	7.3	7.4	137	E.032	.33	.39	.231	E.004
AUG												
14...	1.55	20.8	34.7	<.2	7.7	12.3	119	E.035	.41	.59	.215	.006
SEP												
11...	1.91	30.1	56.8	E.1	5.6	7.9	145	.059	.32	.44	.232	E.003
01106468 MATFIELD RIVER AT N CENTRAL ST AT E BRIDGEWATER,MA (LAT 42 02 01N LONG 070 58 21W)												
JUN												
07...	4.88	60.0	102	0.2	7.7	20.1	285	.558	1.1	1.3	2.85	0.181
JUL												
02...	3.02	37.6	60.9	<.2	6.5	12.0	192	.472	1.1	1.2	1.68	.193
23...	8.41	66.0	101	E.1	7.8	24.6	306	2.37	3.2	3.2	4.93	.408
AUG												
14...	2.97	31.5	47.0	<.2	6.5	18.1	151	.438	.98	1.2	.856	.080
SEP												
10...	10.6	71.1	101	E.2	7.3	29.7	323	2.54	3.7	3.8	6.67	.436
01112262 MILL RIVER AT SUMMER STREET NEAR BLACKSTONE, MA (LAT 42 02 27N LONG 071 30 56W)												
JUN												
11...	2.02	32.4	56.2	<0.2	8.3	7.7	148	0.061	0.36	0.49	0.750	0.008
JUL												
03...	1.72	27.2	46.7	<.2	8.6	5.8	138	E.036	.42	.50	.316	.008
24...	2.46	30.4	50.7	<.2	9.6	7.1	132	<.040	.23	.29	1.04	E.004
AUG												
13...	2.41	19.1	30.5	<.2	8.9	9.4	101	<.040	.31	.51	.565	.006
SEP												
12...	3.31	35.7	59.2	<.2	6.8	9.1	146	<.040	.24	.28	1.43	E.004

SURFACE-WATER QUALITY AT MISCELLANEOUS SITES

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS-SOLVED (UG/L AS MN) (01056)
011032058 CHARLES RIVER AT MAPLE ST. AT NORTH BELLINGHAM, MA (LAT 42 07 11N LONG 071 27 10W)									
JUN									
11...	0.018	<0.020	0.047	5.2	5.8	5.7	0.9	170	172
JUL									
04...	.016	<.020	.050	8.1	9.5	2.6	.9	370	63.0
25...	.017	<.020	.037	4.7	5.9	3.8	.7	120	52.3
AUG									
15...	.025	E.015	.045	7.2	8.5	4.4	1.5	180	44.1
SEP									
13...	.015	<.020	.036	5.0	7.1	1.6	7.3	70	41.0
01105504 EAST BRANCH NEPONSET AT CANTON JUNCTION, MA (LAT 42 09 31N LONG 071 09 19W)									
JUN									
07...	0.014	<0.020	0.035	6.0	7.7	12.6	2.0	430	161
JUL									
03...	.027	<.020	.047	8.9	11	3.2	1.2	480	122
24...	.013	<.020	.039	5.1	6.9	2.9	15.6	470	152
AUG									
14...	.017	E.011	.046	6.4	8.3	.5	1.8	370	141
SEP									
11...	.009	<.020	.026	4.8	6.2	.6	.8	290	218
01106468 MATFIELD RIVER AT N CENTRAL ST AT E BRIDGEWATER,MA (LAT 42 02 01N LONG 070 58 21W)									
JUN									
07...	0.076	0.049	0.174	5.9	7.8	45.3	0.7	130	211
JUL									
02...	.058	.021	.109	7.7	9.4	18.8	1.3	290	69.8
23...	.284	.247	.322	6.7	8.3	43.2	.8	70	23.2
AUG									
14...	.156	.133	.198	6.6	7.9	49.9	1.2	280	88.6
SEP									
10...	.899	.812	.905	7.1	9.2	23.2	1.9	50	58.6
01112262 MILL RIVER AT SUMMER STREET NEAR BLACKSTONE, MA (LAT 42 02 27N LONG 071 30 56W)									
JUN									
11...	0.033	E0.010	0.065	5.5	6.1	16.3	0.5	480	47.2
JUL									
03...	.024	<.020	.050	8.3	10	4.5	.8	520	33.0
24...	.021	<.020	.044	4.2	5.7	17.0	.5	250	18.4
AUG									
13...	.015	<.020	.050	6.1	7.3	6.4	3.0	210	27.2
SEP									
12...	.014	<.020	.035	2.9	4.0	--	.3	60	18.5

< Less than  
E Estimated

## GROUND-WATER LEVELS IN MASSACHUSETTS

## BARNSTABLE COUNTY

413956070164301. Barnstable well A1W 230.

LOCATION.--Lat 41°39'56", long 70°16'43", Barnstable County, Hydrologic Unit 01090002, 50 ft west of Mary Dunn Road at Hyannis Airport and 0.3 mi north of intersection of Willow Street and State Highway 28 in Barnstable.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 35.8 ft, screened 32.8 to 35.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 43.23 ft above sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.51 ft below land-surface datum, May 20, 1987; lowest measured, 26.59 ft below land-surface datum, Oct. 21, 1991.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	25.70	DEC 21	25.73	FEB 26	25.40	APR 24	23.37	JUN 22	23.99	AUG 21	24.95
NOV 21	25.73	FEB 01	25.09	MAR 28	24.77	MAY 25	23.60	JUL 20	24.37	SEP 21	25.18
WATER YEAR 2001		HIGHEST	23.37	APR 24, 2001		LOWEST	25.73	NOV 21, 2000		DEC 21, 2000	

414154070165001. Barnstable well A1W 247.

LOCATION.--Lat 41°41'54", long 70°16'50", Barnstable County, Hydrologic Unit 01090002, 30 ft east of Mary Dunn Road and 0.2 mi south of State Highway 6A in Barnstable.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 52 ft, screened 49 to 52 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 44.52 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--November 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.52 ft below land-surface datum, Apr. 22, 1997; lowest measured, 28.64 ft below land-surface datum, Oct. 25, 1966.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	26.18	DEC 21	26.62	FEB 26	26.49	APR 24	25.05	JUN 22	25.22	AUG 21	25.80
NOV 21	26.38	JAN 25	26.73	MAR 28	26.21	MAY 25	25.08	JUL 20	25.48	SEP 25	26.13
WATER YEAR 2001		HIGHEST	25.05	APR 24, 2001		LOWEST	26.73	JAN 25, 2001			

414129070361401. Bourne well BHW 198.

LOCATION.--Lat 41°41'29", long 70°36'14", Barnstable County, Hydrologic Unit 01090002, 50 ft west of County Road and 0.3 mi south of Pocasset Road in Bourne.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 50 ft, screened 47 to 50 ft; new well drilled at same location August 1990, diameter 2.0 in., depth 50 ft, screened 40-50 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 55.56 ft above sea level. Measuring point: Top of casing, 1.65 ft above land-surface datum; prior to August 1990, 2.47 ft above land-surface datum.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.73 ft below land-surface datum, Mar. 24, 1998; lowest measured, 36.17 ft below land-surface datum, Oct. 25, 1966.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	34.48	DEC 21	34.66	FEB 22	34.17	APR 23	33.64	JUN 19	32.74	AUG 21	33.56
NOV 28	34.57	JAN 26	34.49	MAR 23	33.64	MAY 25	32.31	JUL 27	33.27	SEP 27	33.97
WATER YEAR 2001		HIGHEST	32.31	MAY 25, 2001		LOWEST	34.66	DEC 21, 2000			



## BARNSTABLE COUNTY--Continued

414518070020301. Brewster well BMW 21.

LOCATION.--Lat 41°45'18", long 70°02'03", Barnstable County, Hydrologic Unit 01090002, about 50 ft north of Nook Road, 0.1 mi south of Cliff Pond, 0.3 mi east of Silas Road, and at Nickerson State Park in Brewster.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.5 in., depth 25 ft, screened 22 to 25 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 36.97 ft above sea level. Measuring point: Top of casing, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--October 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.90 ft below land-surface datum, Apr. 25, 1974; lowest measured, 13.34 ft below land-surface datum, Oct. 25, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.80	DEC 21	12.97	FEB 27	12.93	APR 23	11.78	JUN 21	11.51	AUG 21	11.66
NOV 28	12.93	JAN 29	13.00	MAR 28	12.46	MAY 29	11.55	JUL 23	11.68		
WATER YEAR 2001	HIGHEST	11.51	JUN 21, 2001	LOWEST	13.00	JAN 29, 2001					

414630070014901. Brewster well BMW 22.

LOCATION.--Lat 41°46'30", long 70°01'49", Barnstable County, Hydrologic Unit 01090002, 50 ft east of entrance to Nickerson State Park and 50 ft south of State Highway 6A in Brewster.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 52 ft, screened 49 to 52 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 50.45 ft above sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.13 ft below land-surface datum, May 26, 1983; lowest measured, 33.60 ft below land-surface datum, Jan. 31, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	33.15	DEC 21	33.43	FEB 22	33.17	APR 23	31.31	JUN 21	31.54	AUG 21	32.15
NOV 28	33.33	JAN 29	33.37	MAR 28	32.70	MAY 29	31.33	JUL 23	31.87		
WATER YEAR 2001	HIGHEST	31.31	APR 23, 2001	LOWEST	33.43	DEC 21, 2000					

414100070011101. Chatham well CGW 138.

LOCATION.--Lat 41°41'00", long 70°01'11", Barnstable County, Hydrologic Unit 01090002, 50 ft east of State Highway 137 and 300 ft north of State Highway 28 in Chatham.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 44 ft, screened 41 to 44 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 35.28 ft above sea level. Measuring point: Top of casing, 4.77 ft above land-surface datum; prior to June 1980, 3.80 ft above land-surface datum.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.94 ft below land-surface datum, Apr. 25, 1983; lowest measured, 26.38 ft below land-surface datum, Sept. 25, 1980.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	25.40	DEC 21	25.37	FEB 27	24.82	APR 28	24.40	JUN 21	23.65	AUG 21	24.58
NOV 28	25.39	JAN 29	25.14	MAR 28	24.40	MAY 29	23.40	JUL 23	24.13		
WATER YEAR 2001	HIGHEST	23.40	MAY 29, 2001	LOWEST	25.40	OCT 24, 2000					

GROUND-WATER LEVELS IN MASSACHUSETTS

BARNSTABLE COUNTY--Continued

413525070291904. Mashpee well MIW 29.

LOCATION.--Lat 41°35'25", long 70°29'19", Barnstable County, Hydrologic Unit 01090002, 20 ft west of dirt road, 0.8 mi north of intersection of Great Hay Road and dirt road which is 0.12 mi northeast of intersection of Red Brook Road and Great Hay Road in Mashpee.  
Owner: Town of Mashpee.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Hydraulic-rotary drilled observation water-table well, diameter 2.0 in., depth 40.0 ft, screened 37.0 to 40.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 15.78 above sea level. Measuring point: Top of steel coupling, 1.36 ft above land-surface datum.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.62 ft below land-surface datum, Apr. 22 1987; lowest measured, 10.03 ft below land-surface datum, Oct. 24, 1980.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.44	DEC 21	9.55	FEB 22	9.24	APR 25	7.12	JUN 19	7.61	AUG 23	8.56
NOV 28	9.60	JAN 26	9.53	MAR 23	8.47	MAY 25	7.33	JUL 27	8.28	SEP 27	9.24
WATER YEAR 2001	HIGHEST	7.12	APR 25, 2001	LOWEST	9.60	NOV 28, 2000					

414418070241601. Sandwich well SDW 252.

LOCATION.--Lat 41°44'18", long 70°24'16", Barnstable County, Hydrologic Unit 01090002, 0.5 mi north of State Highway 6A and 15 ft east of Private Road in Sandwich.  
Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 57 ft, screened 55 to 57 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 53.47 ft above sea level. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.88 ft below land-surface datum, Apr. 25, 1983; lowest measured, 48.23 ft below land-surface datum, Oct. 25, 1966.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	47.87	DEC 21	47.95	FEB 22	47.84	APR 25	46.97	JUN 19	47.21	AUG 23	47.65
NOV 28	47.71	JAN 26	47.89	MAR 23	47.52	MAY 25	47.08	JUL 27	47.52	SEP 27	47.71
WATER YEAR 2001	HIGHEST	46.97	APR 25, 2001	LOWEST	47.95	DEC 21, 2000					

414124070265901. Sandwich well SDW 253.

LOCATION.--Lat 41°41'24", long 70°26'59", Barnstable County, Hydrologic Unit 01090002, 800 ft west of Stowe Road and 50 ft south of Farmersville Road in Sandwich.  
Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 70 ft, screened 67 to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 111.20 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.78 ft below land-surface datum, July 30, 1973; lowest measured, 55.05 ft below land-surface datum, Feb. 28, 1967.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.55	DEC 21	51.91	FEB 22	52.23	APR 25	50.93	JUN 19	51.01	AUG 23	51.48
NOV 28	51.80	JAN 26	52.08	MAR 23	51.93	MAY 25	50.87	JUL 27	51.44	SEP 27	52.03
WATER YEAR 2001	HIGHEST	50.87	MAY 25, 2001	LOWEST	52.23	FEB 22, 2001					

## BARNSTABLE COUNTY--Continued

420239070062001. Truro well TSW 1.

LOCATION.--Lat 42°02'39", long 70°06'20", Barnstable County, Hydrologic Unit 01090002, near old pumping station about 200 ft north of State Highway 6A and 1.2 mi northwest of North Truro.

Owner: Town of Provincetown.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in., depth 68 ft, cased to 68 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 16.80 ft above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Water levels affected by pumping, barometric pressure, and tide.

PERIOD OF RECORD.--August 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.28 ft below land-surface datum, Mar. 23, 1983; lowest measured, 12.10 ft below land-surface datum, Sept. 11, 1954.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.08	DEC 21	10.82	FEB 27	10.81	APR 23	10.42	JUN 21	10.80	AUG 22	10.94
NOV 28	10.65	JAN 29	10.65	MAR 28	10.45	MAY 29	10.65	JUL 23	10.81		
WATER YEAR 2001	HIGHEST	10.42	APR 23, 2001	LOWEST	11.08	OCT 24, 2000					

420206070045901. Truro well TSW 89.

LOCATION.--Lat 42°02'06", long 70°04'59", Barnstable County, Hydrologic Unit 01090002, 300 ft west of U.S. Highway 6 and 50 ft north of Highland Road in Truro.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 27.7 ft, screened 24.7 to 27.7 ft; new well drilled at same location November 1989, diameter 2.0 in., depth 21.7 ft, screened 16.7 to 21.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 16.60 ft above sea level. Measuring point: Top of casing, at land-surface datum; prior to November 1989, 0.22 ft above land-surface datum.

PERIOD OF RECORD.--September 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.20 ft below land-surface datum, Apr. 25, 1983; lowest measured, 12.96 ft below land-surface datum, Sept. 28, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.52	DEC 21	12.30	MAR 28	11.75	MAY 29	11.69	JUL 23	12.26	AUG 22	12.42
NOV 28	12.25	FEB 27	12.08	APR 23	11.28	JUN 21	11.90				
WATER YEAR 2001	HIGHEST	11.28	APR 23, 2001	LOWEST	12.52	OCT 24, 2000					

415353069585401. Wellfleet well WNW 17.

LOCATION.--Lat 41°53'53", long 69°58'54", Barnstable County, Hydrologic Unit 01090002, about 150 ft east of old pumping station and 45 ft west of road to the public beach at Cape Cod National Seashore in Wellfleet.

Owner: Cape Cod National Seashore.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in., depth 42 ft, screen information not available.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 19.10 ft above sea level. Measuring point: Top of casing, 1.24 ft above land-surface datum, 1.13 ft prior to June 1992.

PERIOD OF RECORD.--November 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.27 ft below land-surface datum, June 27, 1967; lowest measured, 12.75 ft below land-surface datum, Jan. 31, 1967.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.84	DEC 21	12.12	FEB 27	11.83	APR 23	10.16	JUN 21	10.47	AUG 22	11.16
NOV 28	12.03	JAN 29	12.11	MAR 28	11.47	MAY 29	10.19	JUL 23	10.81		
WATER YEAR 2001	HIGHEST	10.16	APR 23, 2001	LOWEST	12.12	DEC 21, 2000					

GROUND-WATER LEVELS IN MASSACHUSETTS

BERKSHIRE COUNTY

421550073025101. Becket well A3W 12.

LOCATION.--Lat 42°15'50", long 73°02'51", Berkshire County, Hydrologic Unit 01080206, at edge of Bonny Rigg Restaurant parking lot, 30 ft north of Route 20 and 0.2 mi east of Route 8.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 35 ft, screened 25 to 35 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1285 ft above sea level. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.36 ft below land-surface datum, Apr. 24, 1996; lowest measured, 4.62 ft below land-surface datum, Aug. 23, 1988, July 24, 1991.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.14	DEC 26	3.18	FEB 21	3.31	APR 27	3.01	JUN 26	3.11	AUG 21	3.42
NOV 27	2.94	JAN 22	3.32	MAR 28	2.97	MAY 22	3.24	JUL 20	3.40	SEP 26	2.47
WATER YEAR 2001	HIGHEST	2.47	SEP 26, 2001	LOWEST	3.42	AUG 21, 2001					

423503073075401. Cheshire well CJW 2.

LOCATION.--Lat 42°35'03", long 73°07'54", Berkshire County, Hydrologic Unit 02020003, at intersection of Wells and Jenks Roads 2.3 mi northeast of Cheshire.

Owner: Private owner.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 22 ft, cased with stone to 22 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1,210 ft, above sea level. Measuring point: Inside rim of concrete well top, 1.0 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby pumping during summer period.

PERIOD OF RECORD.--October 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft below land-surface datum, Jan. 19, 1952; lowest measured, 19.83 ft below land-surface datum, Aug. 24, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.13	DEC 26	5.58	FEB 21	6.05	APR 27	2.14	JUN 25	3.82	AUG 20	7.91
NOV 28	5.31	JAN 23	8.27	MAR 27	2.74	MAY 22	6.46	JUL 19	5.89	SEP 25	7.50
WATER YEAR 2001	HIGHEST	2.14	APR 27, 2001	LOWEST	8.27	JAN 23, 2001					

421316073212801. Great Barrington well GMW 2.

LOCATION.--Lat 42°13'16", long 73°21'28", Berkshire County, Hydrologic Unit 01100005, 30 ft west of State Highway 41 and 1.5 mi north of intersection of State Highway 41 and U.S. Highway 7 in Great Barrington.

Owner: Private owner.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 36 in., depth 15 ft, cased with stone to 15 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 732 ft above sea level. Measuring point: Top of stone curbing, east side of well, 1.12 ft above land-surface datum. Prior to July 25, 1978, measured at land-surface datum.

REMARKS.--Water level affected by stream.

PERIOD OF RECORD.--June 1951 to current year. Continuous graphic recorder January 1968 to August 1982.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft below land-surface datum, Apr. 21, 1983; lowest measured, 14.97 ft below land-surface datum, Nov. 20, 1964.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	11.26	JAN 22	10.33	MAR 28	7.98	MAY 23	11.36	JUL 20	12.01	SEP 25	12.02
NOV 28	11.31	FEB 21	9.32	APR 27	8.98	JUN 25	10.82	AUG 20	12.23		
WATER YEAR 2001	HIGHEST	7.98	MAR 28, 2001	LOWEST	12.23	AUG 20, 2001					

GROUND-WATER LEVELS IN MASSACHUSETTS

BERKSHIRE COUNTY--Continued

420912073043001. Otis well OTW 7.

LOCATION.--Lat 42°09'12", long 73°04'30", Berkshire County, Hydrologic Unit 01080207, about 400 ft south of Hawley Road and 15 ft west of State Highway 8 in Otis.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 17.5 ft, screened 15.5 to 17.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1,145 ft above sea level. Measuring point: Top of casing, 4.12 ft above land-surface datum.

REMARKS.--Water levels affected by Minor Brook and Farmington River.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.55 ft below land-surface datum, Apr. 21, 1983; lowest measured, 10.16 ft below land-surface datum, Sept. 21, 1983.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	8.97	DEC 26	7.98	FEB 21	8.58	APR 25	6.87	JUN 26	8.63	AUG 21	9.91
NOV 27	8.77	JAN 22	9.04	MAR 28	6.72	MAY 22	8.70	JUL 20	9.36	SEP 26	8.88
WATER YEAR 2001 HIGHEST			6.72	MAR 28, 2001 LOWEST			9.91	AUG 21, 2001			

422745073112001. Pittsfield well PTW 51.

LOCATION.--Lat 42°27'45", long 73°11'20", Berkshire County, Hydrologic Unit 01100005, 30 ft east of Hubbard Ave. and about 100 ft north of Barton Brook in Pittsfield.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 31.5 ft, screened 26.5 to 31.5 ft.

Prior to July 1986, augered observation water-table well, diameter 1.25 in., depth 31.5 ft, screened 29.5 to 31.5 ft.

INSTRUMENTATION.--Monthly measurement with groundwater electric tape by USGS personnel. Digital recorder (60-min punch) July 1986 to current year.

DATUM.--Elevation of land-surface datum is 1,050 ft above sea level. Measuring point: Top of casing in base of aluminum shelter, 1.83 ft above land-surface datum; prior to July 1986, top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1963 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.30 ft below land-surface datum, Apr. 25, 1969; lowest measured, 27.57 ft below land-surface datum, Dec. 11, 1964

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	15.84	16.15	15.77	16.52	16.45	e15.68	13.87	15.03	15.35	17.62	20.32
2	---	15.86	16.18	15.78	16.54	16.49	15.69	13.92	14.94	15.41	17.72	20.40
3	---	15.89	16.21	15.79	16.57	16.54	15.70	13.97	14.73	15.47	17.81	20.48
4	15.59	15.91	16.19	15.84	16.56	16.58	15.69	14.01	14.53	15.53	17.82	20.57
5	15.63	15.93	16.17	15.88	16.55	16.57	15.64	14.06	14.48	15.61	17.83	20.64
6	15.56	15.96	16.21	15.94	16.59	16.59	15.55	14.13	14.48	15.67	17.94	20.73
7	15.55	15.98	16.23	16.00	16.64	16.65	15.45	14.18	14.48	15.73	18.04	20.82
8	15.57	16.00	16.27	16.03	16.67	16.68	15.19	14.23	14.50	15.80	18.14	20.91
9	15.59	16.02	16.31	16.06	16.62	16.69	14.83	14.27	14.54	15.87	18.23	20.93
10	15.60	15.96	16.34	16.10	16.44	16.71	14.50	14.33	14.57	15.93	18.33	---
11	15.64	15.95	16.34	16.13	16.33	16.73	14.22	14.38	14.60	15.86	18.43	---
12	15.67	15.96	16.31	16.18	16.27	16.75	13.99	14.43	14.60	15.88	18.47	---
13	15.68	15.98	16.39	16.20	16.27	16.71	13.77	14.50	14.65	15.94	18.48	---
14	15.70	15.97	16.37	16.23	16.29	16.69	13.57	14.56	14.68	16.00	18.60	---
15	15.72	15.93	16.42	16.25	16.20	16.73	13.46	14.62	14.71	16.07	18.70	---
16	15.74	15.96	16.42	16.27	16.22	16.72	13.38	14.70	14.74	16.15	18.80	---
17	15.73	15.97	16.22	16.31	16.24	16.68	13.35	14.77	14.73	16.19	18.90	---
18	15.69	16.02	15.96	16.33	16.26	16.63	13.34	14.83	14.73	16.25	19.00	---
19	15.59	16.04	15.85	16.33	16.26	16.62	13.39	14.89	14.75	e16.36	19.10	---
20	15.61	16.04	15.82	16.36	16.28	16.59	13.42	14.99	14.78	16.47	19.19	---
21	15.62	16.06	15.80	16.39	16.32	16.50	13.42	15.08	14.82	16.57	19.29	---
22	15.67	16.09	15.72	16.42	16.32	16.21	13.42	15.14	14.84	16.68	19.39	---
23	15.69	16.13	15.71	16.41	16.34	15.86	13.45	15.17	14.90	16.79	19.48	---
24	15.69	16.15	15.67	16.44	16.42	15.76	13.48	15.19	14.93	16.90	19.58	---
25	15.72	16.15	15.69	16.47	16.41	15.73	13.58	15.21	14.96	17.02	19.68	e21.73
26	15.74	16.09	15.69	16.50	16.42	15.68	13.63	15.21	15.00	17.05	19.77	21.64
27	15.74	16.06	15.66	16.51	16.46	15.66	13.65	15.03	15.06	17.02	19.87	21.55
28	15.75	16.10	15.67	16.56	16.47	15.67	13.73	14.96	15.13	17.17	19.97	21.62
29	15.77	16.11	15.71	16.58	---	15.68	13.80	14.95	15.22	17.29	20.07	21.70
30	15.79	16.11	15.70	16.55	---	15.65	13.82	14.96	15.30	17.40	20.16	21.75
31	15.82	---	15.73	16.46	---	15.67	---	14.99	---	17.51	20.25	---
MEAN	---	16.01	16.04	16.23	16.41	16.35	14.19	14.63	14.78	16.29	18.86	---
LOW	---	16.15	16.42	16.58	16.67	16.75	15.70	15.21	15.30	17.51	20.25	---
HIGH	---	15.84	15.66	15.77	16.20	15.65	13.34	13.87	14.48	15.35	17.62	--
WTR YR 2001	HIGH 13.32	APR 17, 18			LOW 21.77	SEPT 30						
		e Estimated										

GROUND-WATER LEVELS IN MASSACHUSETTS

BERKSHIRE COUNTY--Continued

420351073193602. Sheffield well SJW 58.

LOCATION.--Lat 42°03'51", long 73°19'36", Berkshire County, Hydrologic Unit 01100005, about 100 ft east of U.S. Highway 7 and 30 ft north of Hewins Road in Sheffield.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well with sand point, diameter 2.0 in., depth 32 ft, screened 27 to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 680 ft above sea level. Measuring point: Top of casing, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.02 ft below land-surface datum, June 23, 1990; lowest measured, 16.03 ft below land-surface datum, Oct. 19, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	13.63	DEC 26	13.66	FEB 21	14.30	APR 27	12.47	JUN 25	12.97	AUG 21	13.90
NOV 28	13.94	JAN 22	14.06	MAR 27	13.44	MAY 22	13.01	JUL 20	13.31	SEP 25	14.45
WATER YEAR 2001	HIGHEST	12.47	APR 27, 2001	LOWEST	14.45	SEP 25, 2001					

BRISTOL COUNTY

415447071155301. Attleboro well ATW 83.

LOCATION.--Lat 41°54'47", long 71°15'53", Bristol County, Hydrologic Unit 01090004, about 150 ft north of parking lot and 200 ft west of dirt road at Bristol County Nursing Home in Attleboro.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 20.6 ft, screened 18.6 to 20.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 145 ft above sea level. Measuring point: Top of casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.98 ft below land-surface datum, Jan. 27, 1978; lowest measured, 5.34 ft below land-surface datum, Aug. 30, 1999.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.28	DEC 28	3.52	FEB 23	3.56	APR 27	3.52	JUN 27	3.81	AUG 31	4.41
NOV 28	3.75	JAN 24	3.83	MAR 28	2.87	MAY 22	4.08	JUL 26	4.42	SEP 27	4.20
WATER YEAR 2001	HIGHEST	2.87	MAR 28, 2001	LOWEST	4.42	JUL 26, 2001					

414705071045301. Freetown well F3W 23.

LOCATION.--Lat 41°47'05", long 71°04'53", Bristol County, Hydrologic Unit 01090004, about 300 ft west of State Highway 24 and 200 ft north of State Highway 79 in Freetown.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 42 ft, screened 40 to 42 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 38 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

REMARKS.--Water level affected by tide.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.72 ft below land-surface datum, Apr. 22, 1983; lowest measured, 15.70 ft below land-surface datum, Jan. 29, 1966.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.98	DEC 29	15.08	FEB 23	14.70	APR 27	12.75	JUN 27	13.26	AUG 29	13.77
NOV 30	15.14	JAN 24	15.02	MAR 28	13.27	MAY 22	13.34	JUL 31	13.81	SEP 27	14.21
WATER YEAR 2001	HIGHEST	12.75	APR 27, 2001	LOWEST	15.14	NOV 30, 2000					

## GROUND-WATER LEVELS IN MASSACHUSETTS

249

## BRISTOL COUNTY--Continued

414025070572801. New Bedford well NGW 116.

LOCATION.--Lat 41°40'25", long 70°57'28", Bristol County, Hydrologic Unit 01090002, New Bedford Municipal Airport, 30 ft east of control tower building in New Bedford.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 27.3 ft, screened 25.3 to 27.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 65 ft above sea level. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.31 ft below land-surface datum, Mar. 26, 1969; lowest measured, 5.20 ft below land-surface datum, July 24, 1964.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.44	DEC 29	4.05	FEB 23	4.07	APR 27	4.04	JUN 27	3.86	AUG 29	4.23
NOV 30	3.88	JAN 24	3.96	MAR 28	3.49	MAY 22	4.49	JUL 31	4.00	SEP 27	4.21
WATER YEAR 2001	HIGHEST	3.49	MAR 28, 2001	LOWEST	4.49	MAY 22, 2001					

415812071111101. Norton well N4W 37.

LOCATION.--Lat 41°58'12", long 71°11'11", Bristol County, Hydrologic Unit 01090004, at Wheaton College, 250 ft northeast of observatory in Norton.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 19.4 ft, screened 17.4 to 19.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 105 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.35 ft below land-surface datum, Dec. 29, 1969; lowest measured, 11.39 ft below land-surface datum, Sept. 24, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	8.95	DEC 28	5.72	FEB 23	5.94	APR 27	5.98	JUN 27	6.02	AUG 29	7.43
NOV 28	7.25	JAN 24	7.12	MAR 28	3.76	MAY 22	8.02	JUL 26	7.80	SEP 27	6.96
WATER YEAR 2001	HIGHEST	3.76	MAR 28, 2001	LOWEST	8.95	OCT 30, 2000					

414714071175901. Seekonk well SHW 275.

LOCATION.--Lat 41°47'14", long 71°17'59", Bristol County, Hydrologic Unit 01090004, middle of median strip of Interstate Highway 195 and 1.1 mi west of Palmer River in Seekonk.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 14.4 ft, screened 12.4 to 14.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 21 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.02 ft below land-surface datum, Dec. 20, 1986; lowest measured, 8.02 ft below land-surface datum, Sept. 26, 1980.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	6.51	DEC 29	5.72	FEB 22	5.71	APR 27	5.68	JUN 27	5.88	AUG 31	6.50
NOV 30	5.70	JAN 24	5.54	MAR 28	5.36	MAY 24	5.44	JUL 26	6.60	SEP 27	5.99
WATER YEAR 2001	HIGHEST	5.36	MAR 28, 2001	LOWEST	6.60	JUL 26, 2001					

## GROUND-WATER LEVELS IN MASSACHUSETTS

## BRISTOL COUNTY--Continued

415457071060101. Taunton well TAW 337.

LOCATION.--Lat 41°54'57", long 71°06'01", Bristol County, Hydrologic Unit 01090004, Taunton State Hospital, about 200 ft west of Mill River and about 300 ft east of Danforth Street in Taunton.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 20 ft, screened 18 to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 50 ft above sea level. Measuring point: Top of casing, 2.5 ft above land-surface datum.

REMARKS.--Water levels affected by Mill River.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.96 ft below land-surface datum, Dec. 29, 1969; lowest measured, 12.43 ft below land-surface datum, Oct. 22, 1988.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	9.92	DEC 28	9.32	FEB 23	8.84	APR 27	7.95	JUN 27	8.98	AUG 29	9.74
NOV 28	9.59	JAN 24	9.13	MAR 28	6.99	MAY 22	8.87	JUL 26	9.50	SEP 27	9.82
WATER YEAR 2001	HIGHEST	6.99	MAR 28, 2001	LOWEST	9.92	OCT 31, 2000					

## DUKES COUNTY

412346070353403. Edgartown well ENW 52.

LOCATION.--Lat 41°23'46", long 70°35'34", Dukes County, Hydrologic Unit 01090002, 0.5 mi west of Airport Road and 0.6 mi north of West Tisbury Road in Edgartown.

Owner: Martha's Vineyard State Forest.

AQUIFER.--Glacial sand, gravel and cobbles of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 64 ft, screened 61 to 64 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 34 ft above sea level. Measuring point: Top of casing, 0.02 ft below land-surface datum.

PERIOD OF RECORD.--December 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.93 ft below land-surface datum, May 24 and June 27, 1987; lowest measured, 20.51 ft below land-surface datum, Feb. 26, 1981.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.05	DEC 26	18.96	FEB 26	19.81	APR 25	17.54	JUN 29	17.13	AUG 28	17.63
NOV 27	18.49	JAN 26	19.45	MAR 26	19.67	MAY 29	16.92	JUL 30	17.29	SEP 28	18.14
WATER YEAR 2001	HIGHEST	16.92	MAY 29, 2001	LOWEST	19.81	FEB 26, 2001					

## ESSEX COUNTY

423641071102501. Andover well AJW 462.

LOCATION.--Lat 42°36'41", long 71°10'25", Essex County, Hydrologic Unit 01070002, about 1,200 ft south of Shawsheen River, and 30 ft west of Interstate Highway 93 in Andover.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 32.5 ft, screened 30.5 to 32.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 110 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

REMARKS.--Water level affected by nearby construction starting about January 1993 to about January 1995.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.72 ft below land-surface datum, June 20, 1984; lowest measured, 22.56 ft below land-surface datum, July 28, 1994.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	15.95	DEC 29	15.49	FEB 21	15.75	APR 25	14.24	JUN 19	15.02	AUG 28	15.40
NOV 28	15.62	JAN 23	15.77	MAR 27	13.81	MAY 24	14.89	JUL 27	15.39	SEP 26	16.12
WATER YEAR 2001	HIGHEST	13.81	MAR 27, 2001	LOWEST	16.12	SEP 26, 2001					



GROUND-WATER LEVELS IN MASSACHUSETTS

ESSEX COUNTY--Continued

424322070592401. Georgetown well GCW 168.

LOCATION.--Lat 42°43'22", long 70°59'24", Essex County, Hydrologic Unit 01090001, 18 ft south of State Highway 133 and 25 ft east of Winter Street at Murca Park in Georgetown.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 21 ft, screened 19 to 21 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 80 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.27 ft below land-surface datum, Mar. 27, 2001; lowest measured, 6.65 ft below land-surface datum, Sept. 22, 1965.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.01	DEC 29	4.31	FEB 21	4.29	APR 26	3.84	JUN 19	4.39	AUG 28	5.85
NOV 28	4.05	JAN 23	4.55	MAR 27	2.27	MAY 24	4.62	JUL 27	5.49	SEP 26	6.16
WATER YEAR 2001		HIGHEST	2.27	MAR 27, 2001		LOWEST	6.16	SEP 26, 2001			

424841071004101. Haverhill well HLW 23.

LOCATION.--Lat 42°48'41", long 71°00'41", Essex County, Hydrologic Unit 01070002, about 50 ft north of Amesbury Line Road and 0.9 mi south of State Highway 110 in Haverhill.

Owner: Private owner.

AQUIFER.--Glacial sand of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 12 in., depth 15.1 ft, cased with tile to 15.1 ft, open end.

INSTRUMENTATION.--Monthly measurement with electric tape by observer. Continuous graphic recorder October 1960 to September 1982, digital recorder (60-minute punch) October 1984 to current year.

DATUM.--Elevation of land-surface datum is 105 ft above sea level. Measuring point: Top edge of hole in base of steel recorder shelter, 1.71 ft above land-surface datum, 1.65 ft prior to June 8, 1995.

PERIOD OF RECORD.--October 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.96 ft below land-surface datum, Apr. 7, 8, 1987; lowest, 15.02 ft below land-surface datum, Feb. 2, 1966.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.58	13.85	13.18	12.66	13.09	12.96	8.38	8.58	---	11.59	12.75	13.52
2	13.60	13.85	13.18	12.67	13.05	12.96	8.27	8.64	---	11.62	12.78	13.54
3	13.62	13.86	13.18	12.68	13.02	12.98	8.25	8.72	---	11.66	12.82	13.57
4	13.63	13.87	13.18	12.69	13.03	13.01	8.21	8.78	---	11.70	12.84	13.58
5	13.64	13.88	13.18	12.71	13.03	13.02	8.12	8.85	---	11.74	12.85	13.60
6	13.66	13.88	13.18	12.73	13.04	13.04	8.01	8.94	---	11.78	12.86	13.61
7	13.66	13.88	13.18	12.75	13.07	13.07	7.96	9.01	---	11.82	12.89	13.64
8	13.67	13.88	13.18	12.77	13.09	13.09	7.89	9.07	---	11.86	12.92	13.66
9	13.68	13.88	13.20	12.79	13.10	13.11	7.81	9.12	---	11.89	12.96	13.68
10	13.69	13.88	13.21	12.81	13.08	13.12	7.73	9.18	---	11.93	12.98	13.70
11	13.70	13.82	13.21	12.83	13.00	13.13	7.69	9.24	---	11.97	13.02	13.73
12	13.72	13.74	13.23	12.85	12.97	13.14	7.64	9.31	---	12.01	13.04	13.75
13	13.73	13.66	13.25	12.88	12.95	13.12	7.56	9.39	---	12.05	13.05	13.77
14	13.74	13.58	13.26	12.89	12.95	13.02	7.54	9.46	---	12.09	13.07	13.79
15	13.76	13.51	13.28	12.91	12.94	12.93	7.56	9.51	---	12.13	13.10	13.80
16	13.78	13.44	13.30	12.92	12.93	12.83	7.61	9.59	---	12.17	13.13	13.82
17	13.78	13.37	13.24	12.94	12.93	12.73	7.69	9.66	---	12.21	13.16	13.84
18	13.80	13.32	13.03	12.96	12.94	12.63	7.75	9.73	---	12.25	13.18	13.85
19	13.78	13.29	12.88	12.98	12.96	12.53	7.85	9.79	m11.12	12.29	13.21	13.88
20	13.74	13.26	12.78	13.00	12.98	12.42	7.92	9.87	11.17	12.33	13.24	13.90
21	13.73	13.24	12.72	13.01	13.00	12.30	7.97	9.94	11.23	12.36	13.27	13.91
22	13.74	13.22	12.67	13.03	13.02	11.67	8.01	10.00	11.26	12.40	13.29	13.92
23	13.75	13.22	12.65	13.05	13.04	10.15	8.08	10.07	11.30	12.44	13.31	13.93
24	13.77	13.22	12.63	13.06	13.06	9.41	8.11	m10.13	11.34	12.48	13.33	13.95
25	13.79	13.22	12.62	13.07	13.07	9.11	8.20	---	11.37	12.52	13.36	13.97
26	13.80	13.22	12.61	13.09	13.06	8.98	8.27	---	11.39	12.54	13.39	14.00
27	13.81	13.20	12.61	13.10	13.01	8.92	8.32	---	11.43	12.57	13.41	14.05
28	13.82	13.18	12.61	13.12	12.98	8.90	8.39	---	11.47	12.61	13.44	14.06
29	13.83	13.18	12.63	13.14	---	8.88	8.47	---	11.51	12.65	13.47	14.07
30	13.84	13.17	12.64	13.15	---	8.80	8.52	---	11.55	12.69	13.49	14.08
31	13.85	---	12.64	13.14	---	8.57	---	---	---	12.72	13.51	---
MEAN	13.73	13.53	12.98	12.92	13.01	11.76	7.99	---	---	12.16	13.13	13.81
LOW	13.85	13.88	13.30	13.15	13.10	13.14	8.52	---	---	12.72	13.51	14.08
HIGH	13.58	13.17	12.61	12.66	12.93	8.57	7.54	---	---	11.59	12.75	13.52

WTR YR 2001 HIGH 7.53 APR 14 LOW 14.08 SEPT 30

m Measured

## GROUND-WATER LEVELS IN MASSACHUSETTS

## ESSEX COUNTY--Continued

424520070562401. Newbury well NIW 27.

LOCATION.--Lat 42°45'20", long 70°56'24", Essex County, Hydrologic Unit 01090001, about 300 ft east of Interstate Highway 95 and 100 ft north of Central Street in Newbury.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 31 in., depth 19.8 ft, cased with tile to 19.8 ft, open end.

INSTRUMENTATION.--Monthly measurement with electric tape by observer. Continuous graphic recorder January 1967 to September 1982, digital recorder (60-minute punch) October 1984 to current year.

DATUM.--Elevation of land-surface datum is 55 ft above sea level. Measuring point: Top edge of hole in base of steel recorder shelter, 2.15 ft above land-surface datum. Prior to October 1978, 2.0 ft above land-surface datum; October 1978 to Sept. 18, 1990, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--February 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.94 ft below land-surface datum, Oct. 21, 1996; lowest, 12.68 ft below land-surface datum, Nov. 24, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.92	9.04	6.47	5.17	6.55	5.82	1.49	3.69	---	7.94	9.46	10.46
2	8.96	9.03	6.47	5.25	6.42	5.92	1.55	3.79	---	7.94	9.51	10.50
3	8.99	9.02	6.49	5.31	6.43	6.02	1.62	3.90	6.78	7.99	9.56	10.54
4	9.03	9.00	6.49	5.35	6.54	6.14	1.68	4.00	6.79	8.02	9.59	10.57
5	9.08	8.97	6.48	5.41	6.60	6.21	1.70	4.10	6.84	8.05	9.59	10.61
6	9.09	8.92	6.51	5.46	6.61	6.24	1.71	4.23	6.89	8.07	9.62	10.65
7	9.09	8.86	6.54	5.54	6.67	6.33	1.80	4.34	6.95	8.08	9.63	10.69
8	9.10	8.80	6.61	5.62	6.69	6.41	1.78	4.42	7.00	8.08	9.66	10.72
9	9.13	8.76	6.67	5.68	6.68	6.46	1.77	4.50	7.07	8.09	9.70	10.76
10	9.15	8.69	6.76	5.75	6.36	6.44	1.87	4.59	7.15	8.15	9.74	10.81
11	9.17	8.30	6.81	5.82	5.88	6.44	2.01	4.68	7.24	8.20	9.79	10.84
12	9.21	7.64	6.82	5.90	5.89	6.39	1.87	4.78	7.23	8.26	9.83	10.88
13	9.25	7.18	6.93	5.98	5.96	6.09	1.78	4.89	7.26	8.33	9.83	10.92
14	9.28	6.99	6.98	6.05	6.00	5.48	1.94	4.99	7.32	8.39	9.84	10.96
15	9.31	6.79	7.02	6.12	5.89	5.11	2.08	5.09	7.36	8.46	9.86	11.00
16	9.36	6.56	7.07	6.16	5.82	4.75	2.16	5.19	7.42	8.53	9.88	11.03
17	9.38	6.39	6.81	6.22	5.81	4.53	2.25	5.28	7.47	8.60	9.90	11.06
18	9.39	6.36	5.56	6.30	5.88	4.32	2.28	5.38	7.41	8.65	9.93	11.09
19	9.30	6.37	4.93	6.35	5.94	4.07	2.45	5.49	7.45	8.71	9.96	11.12
20	9.16	6.41	4.84	6.40	5.99	3.60	2.57	5.62	7.47	8.76	10.00	11.16
21	9.05	6.45	4.86	6.43	5.98	3.32	2.67	5.76	7.51	8.82	10.03	11.19
22	9.01	6.52	4.86	6.52	6.02	1.86	2.73	5.89	7.55	8.88	10.06	11.22
23	9.00	6.60	4.89	6.58	6.05	1.70	2.83	5.98	7.57	8.94	10.10	11.24
24	8.98	6.70	4.94	6.62	6.13	1.75	2.88	6.08	7.62	9.01	10.14	11.26
25	8.96	6.78	4.97	6.67	6.19	1.78	3.02	6.17	7.65	9.07	10.18	11.28
26	8.97	6.81	5.02	6.74	5.91	1.79	3.15	6.26	7.70	9.14	10.22	11.30
27	8.98	6.71	5.06	6.78	5.73	1.81	3.22	6.33	7.76	9.20	10.26	11.30
28	8.98	6.64	5.12	6.86	5.75	1.87	3.35	6.37	7.81	9.25	10.30	11.31
29	9.01	6.57	5.19	6.94	---	1.93	3.50	6.44	7.86	9.30	10.34	11.33
30	9.04	6.50	5.26	6.95	---	1.59	3.60	m6.53	7.90	9.35	10.38	11.34
31	9.06	---	5.13	6.75	---	1.44	---	---	---	9.41	10.42	---
MEAN	9.11	7.48	5.95	6.12	6.16	4.31	2.31	---	---	8.57	9.91	10.97
LOW	9.39	9.04	7.07	6.95	6.69	6.46	3.60	---	---	9.41	10.42	11.34
HIGH	8.92	6.36	4.84	5.17	5.73	1.44	1.49	---	---	7.94	9.46	10.46

WTR YR 2001 HIGH 1.22 MAR 30 LOW 11.34 SEPT 30

m Measured

## ESSEX COUNTY--Continued

423845070542501. Topsfield well TQW 1.

LOCATION.--Lat 42°38'45", long 70°54'25", Essex County, Hydrologic Unit 01090001, 0.7 mi south of Ipswich Road and 120 ft west of Hamilton Road in Topsfield.

Owner: Private owner.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 22.0 ft, cased with stone to 22.0 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 130 ft above sea level. Measuring point: Top edge of steel rim in concrete cover, 0.6 ft above land-surface datum.

PERIOD OF RECORD.--February 1936 to October 1947, April 1957 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.22 ft below land-surface datum, Mar. 23, 1983; lowest measured, 17.52 ft below land-surface datum, Jan. 27, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	14.12	DEC 29	9.28	FEB 21	9.90	APR 26	10.19	JUN 19	12.60	AUG 28	14.45
NOV 28	11.60	JAN 23	10.97	MAR 27	6.85	MAY 24	12.05	JUL 27	13.39	SEP 26	15.12
WATER YEAR 2001		HIGHEST	6.85	MAR 27, 2001		LOWEST	15.12	SEP 26, 2001			

423505070491702. Wenham well WPW 76.

LOCATION.--Lat 42°35'05", long 70°49'17", Essex County, Hydrologic Unit 01090001, 45 ft west of State Highway 128 and 120 ft of Grapevine Road in Wenham.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 22.0 ft, screened 20.0 to 22.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 60 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft below land-surface datum, Jan. 26, 1978; lowest measured, 4.65 ft below land-surface datum, Aug. 30, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	2.92	DEC 29	2.46	FEB 21	2.44	APR 26	2.42	JUN 19	3.68	AUG 28	3.56
NOV 28	2.08	JAN 23	2.62	MAR 27	1.03	MAY 24	2.91	JUL 27	3.33	SEP 25	3.87
WATER YEAR 2001		HIGHEST	1.03	MAR 27, 2001		LOWEST	3.87	SEP 25, 2001			

## FRANKLIN COUNTY

423809072435601. Colrain well CSW 8.

LOCATION.--Lat 42°38'09", long 72°43'56", Franklin County, Hydrologic Unit 01080203, 15 ft east of State Highway 112 and 100 ft north of North River Bridge in Colrain.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 32.3 ft, screened 30.3 to 32.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 460 ft above sea level. Measuring point: Top of casing, 1.97 ft above land-surface datum, 1.66 ft prior to October 1995.

REMARKS.--Water levels affected by North River.

PERIOD OF RECORD.--December 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.68 ft below land-surface datum, Apr. 21, 1983 (revised); lowest measured, 23.48 ft below land-surface datum, Jan. 31, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	19.74	DEC 27	19.52	FEB 21	19.87	APR 27	15.68	JUN 25	17.98	AUG 20	20.45
NOV 28	19.94	JAN 23	19.41	MAR 27	18.40	MAY 24	17.34	JUL 19	18.73	SEP 25	21.01
WATER YEAR 2001		HIGHEST	15.68	APR 27, 2001		LOWEST	21.01	SEP 25, 2001			

GROUND-WATER LEVELS IN MASSACHUSETTS

FRANKLIN COUNTY--Continued

423310072355801. Deerfield well DFW 44.

LOCATION.--Lat 42°33'10", long 72°35'58", Franklin County, Hydrologic Unit 01080203, 1.2 mi south of Deerfield River Bridge and 15 ft east of U.S. Highway 5 in Deerfield.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 27.6 ft, screened 25.6 to 27.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 140 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--December 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.42 ft below land-surface datum, May 29, 1979; lowest measured, 6.16 ft below land-surface datum, Sept. 25, 1980.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	2.67	DEC 27	2.54	FEB 22	2.60	APR 26	2.55	JUN 25	2.59	AUG 20	5.05
NOV 28	2.36	JAN 23	2.61	MAR 27	2.17	MAY 24	2.36	JUL 19	3.05	SEP 25	3.08
WATER YEAR 2001	HIGHEST	2.17	MAR 27, 2001	LOWEST	5.05	AUG 20, 2001					

423339072524101. Hawley well HMW 8.

LOCATION.--Lat 42°33'39", long 72°52'41", Franklin County, Hydrologic Unit 01080206, in state forest parking area on west side of Plainfield Road opposite East Cemetery.

Owner: State Forest.

AQUIFER.--Glacial till and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 17 ft, screened 7 to 17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1700 ft above sea level. Measuring point: Top of casing, 4.18 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.48 ft below land-surface datum, Apr. 25, 1996; lowest measured, 6.92 ft below land-surface datum, Sept. 27, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.82	DEC 27	3.78	FEB 21	3.86	MAY 24	3.24	JUL 19	3.73	SEP 25	3.92
NOV 28	3.75	JAN 23	4.26	APR 25	2.55	JUN 25	3.18	AUG 20	4.76		
WATER YEAR 2001	HIGHEST	2.55	APR 25, 2001	LOWEST	4.76	AUG 20, 2001					

423441072170701. Orange well ORW 63.

LOCATION.--Lat 42°34'41", long 72°17'07", Franklin County, Hydrologic Unit 01080202, at Orange Airport, 100 ft along and 50 ft northwest of main entrance road to airport, off East River Street in Orange.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 20.6 ft, screened 18.6 to 20.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 530 ft above sea level. Measuring point: Top of casing, 3.75 ft above land-surface datum, 3.45 ft prior to May 1992.

PERIOD OF RECORD.--January 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.81 ft below land-surface datum, Apr. 25, 1996; lowest measured, 8.57 ft below land-surface datum, Sept. 28, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	7.58	DEC 27	7.70	FEB 20	8.16	APR 25	5.15	JUN 25	6.60	AUG 20	7.77
NOV 27	7.79	JAN 23	8.06	MAR 27	7.17	MAY 21	6.15	JUL 19	6.93	SEP 25	8.32
WATER YEAR 2001	HIGHEST	5.15	APR 25, 2001	LOWEST	8.32	SEP 25, 2001					

## FRANKLIN COUNTY--Continued

422607072324401. Sunderland well S6W 7.

LOCATION.--Lat 42°26'07", long 72°32'44", Franklin County, Hydrologic Unit 01080201, about 100 ft east of State Highway 116 and 30 ft north of Russellville Brook in Sunderland.

Owner: Sunderland Water Department.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in., depth 54 ft, cased to 54 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 210 ft above sea level. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water level affected by pumping and nearby Russellville Brook.

PERIOD OF RECORD.--November 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.25 ft below land-surface datum, Apr. 24, 1984; lowest measured, 23.26 ft below land-surface datum, Feb. 24, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	15.52	DEC 27	14.12	FEB 21	16.79	APR 25	8.13	JUN 25	12.23	AUG 20	15.20
NOV 28	16.47	JAN 23	15.51	MAR 27	12.68	MAY 21	11.91	JUL 19	13.74	SEP 25	17.03
WATER YEAR 2001	HIGHEST	8.13	APR 25, 2001	LOWEST	17.03	SEP 25, 2001					

42259072332402. Sunderland well S6W 68.

LOCATION.--Lat 42°25'59", long 72°33'24", Franklin County, Hydrologic Unit 01080201, about 175 ft east of North Plain Road and 500 ft north of Plum Tree Road in Sunderland.

Owner: Private owner.

AQUIFER.--Glacial lacustrine deposits of late Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in., depth 28 ft, screened 25 to 28 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 160 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.09 ft below land-surface datum, Oct. 22, 1989, May 21, 1990; lowest measured, 5.00 ft below land-surface datum, Aug. 23, Sept. 22, 1985.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.44	DEC 27	2.78	FEB 22	3.52	APR 25	1.95	JUN 25	2.75	AUG 20	4.15
NOV 28	3.15	JAN 23	3.52	MAR 27	1.66	MAY 21	3.04	JUL 19	3.47	SEP 25	4.04
WATER YEAR 2001	HIGHEST	1.66	MAR 27, 2001	LOWEST	4.15	AUG 20, 2001					

## HAMPDEN COUNTY

42128072585301. Blandford well BEW 9.

LOCATION.--Lat 42°12'28", long 72°58'53", Hampden County, Hydrologic Unit 01080206, 10 ft west of Blair Road and 0.25 mi south of intersection with North Blandford Road.

Owner: Springfield Water Department.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 15 ft, screened 5 to 15 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1140 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.53 ft below land-surface datum, May 25, 1999; lowest measured, 4.60 ft below land-surface datum, Aug. 24, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.31	DEC 26	2.04	FEB 21	2.31	APR 27	1.97	JUN 26	1.77	AUG 21	2.40
NOV 27	1.83	JAN 22	2.34	MAR 28	1.82	MAY 22	1.81	JUL 20	2.14	SEP 26	1.73
WATER YEAR 2001	HIGHEST	1.73	SEP 26, 2001	LOWEST	2.40	AUG 21, 2001					

## GROUND-WATER LEVELS IN MASSACHUSETTS

## HAMPDEN COUNTY--Continued

421012072324501. Chicopee well CMW 95.

LOCATION.--Lat 42°10'12", long 72°32'45", Hampden County, Hydrologic Unit 01080204, in Chicopee Memorial State Park, 100 ft east of check-in house on north side of road in Chicopee.

Owner: Commonwealth of Massachusetts.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0-inch PVC, depth 34.0 ft, screened 30.0 to 34.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 200 ft above sea level. Measuring point: Top of casing, 3.48 ft above land-surface datum, 3.0 ft prior to October 1995.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.40 ft below land-surface datum, Aug. 21, 1984; lowest measured, 23.62 ft below land-surface datum, Mar. 22, 1989.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	21.81	DEC 26	22.35	FEB 22	22.78	APR 25	20.50	JUN 25	21.17	AUG 20	21.77
NOV 27	22.12	JAN 23	22.55	MAR 27	22.47	MAY 21	20.85	JUL 19	21.56	SEP 25	22.21
WATER YEAR 2001	HIGHEST	20.50	APR 25, 2001	LOWEST	22.78	FEB 22, 2001					

420357072511601. Granville well GLW 5.

LOCATION.--Lat 42°03'57", long 72°51'16", Hampden County, Hydrologic Unit 01080206, near Granville Public School, 275 ft south of State Highway 57 and 0.2 mi west of Sodom Street in Granville.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 67.7 ft, screened 65.7 to 67.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 675 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.06 ft below land-surface datum, June 21, 1983; lowest, 37.20 ft below land-surface datum, Jan. 24, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	33.46	DEC 26	34.05	FEB 21	34.57	APR 27	32.57	JUN 26	31.86	AUG 21	32.92
NOV 27	33.84	JAN 22	34.33	MAR 28	34.35	MAY 22	32.29	JUL 20	32.24	SEP 26	33.75
WATER YEAR 2001	HIGHEST	31.86	JUN 26, 2001	LOWEST	34.57	FEB 21, 2001					

420259072581701. Granville well GLW 6.

LOCATION.--Lat 42°02'59", long 72°58'17", Hampden County, Hydrologic Unit 01080207, at Granville State Forest, 20 ft west of West Hartland Road and 0.9 mi north of state boundary in Granville.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 20.8 ft, screened 18.8 to 20.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1,160 ft above sea level. Measuring point: Top of casing, 2.78 ft above land-surface datum, 2.5 ft prior to October 1995.

REMARKS.--Water levels affected by Halfway Brook.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft below land-surface datum, Apr. 26, 1972; lowest measured, 8.50 ft below land-surface datum, Aug. 23, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	6.61	DEC 26	4.71	FEB 21	5.69	APR 27	3.70	JUN 26	3.97	AUG 21	7.51
NOV 27	5.55	JAN 22	5.81	MAR 28	3.20	MAY 22	6.45	JUL 20	6.52	SEP 24	5.65
WATER YEAR 2001	HIGHEST	3.20	MAR 28, 2001	LOWEST	7.51	AUG 21, 2001					

## HAMPDEN COUNTY--Continued

421240072490201. Montgomery well M7W 19.

LOCATION.--Lat 42°12'40", long 72°49'02", Hampden County, Hydrologic Unit 01080206, at corner of Russell Road and road to cemetery, about 500 ft south of intersection of Main Road and Russell Road.

Owner: Westfield Water Department.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 18 ft, screened 8 to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1060 ft above sea level. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.33 ft above land-surface datum, Feb. 25, 1998; lowest measured, 4.31 ft below land-surface datum, Sept. 21, 1993

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.13	DEC 26	1.59	FEB 21	1.92	APR 25	0.09	JUN 26	1.12	AUG 21	2.74
NOV 27	1.90	JAN 22	1.85	MAR 28	1.00	MAY 22	.95	JUL 20	1.83	SEP 26	2.31
WATER YEAR 2001	HIGHEST	0.09	APR 25, 2001	LOWEST	2.74	AUG 21, 2001					

420430072491201. Southwick well SVW 95.

LOCATION.--Lat 42°04'30", long 72°49'12", Hampden County, Hydrologic Unit 01080206, in garden 100 ft north of Route 57 and about 600 ft west of intersection with Loomis Street.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 37 ft, screened 27 to 37 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 270 ft above sea level. Measuring point: Top of casing, 2.5 ft above land-surface datum, 3.0 ft prior to October 1995.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.66 ft below land-surface datum, July 24, 1989; lowest measured, 5.88 ft below land-surface datum, Aug. 24, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	4.51	DEC 26	4.61	FEB 21	5.31	APR 27	2.72	JUN 26	3.05	AUG 21	4.65
NOV 27	4.58	JAN 22	5.21	MAR 28	3.18	MAY 22	3.20	JUL 20	4.12	SEP 26	5.20
WATER YEAR 2001	HIGHEST	2.72	APR 27, 2001	LOWEST	5.31	FEB 21, 2001					

420646072420101. Westfield well WVW 62.

LOCATION.--Lat 42°06'46", long 72°42'01", Hampden County, Hydrologic Unit 01080206, at Western Massachusetts Hospital about 200 ft east of East Mountain Road and 0.4 mi north of U.S. Highway 20 in Westfield.

Owner: Commonwealth of Massachusetts.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in., depth 22 ft, casing information not available.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 210 ft above sea level. Measuring point: Top of casing, 3.5 ft above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.70 ft below land-surface datum, Oct. 29, 1975; lowest measured, well dry, Sept. 22, 1983, Nov. 21, 1983.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	9.06	DEC 26	8.73	FEB 21	9.42	APR 26	5.32	JUN 26	6.54	AUG 21	8.46
NOV 27	9.25	JAN 22	9.48	MAR 28	5.92	MAY 22	6.80	JUL 20	7.66	SEP 26	9.25
WATER YEAR 2001	HIGHEST	5.32	APR 26, 2001	LOWEST	9.48	JAN 22, 2001					

GROUND-WATER LEVELS IN MASSACHUSETTS

HAMPDEN COUNTY--Continued

420924072422602. Westfield well WVW 152.

LOCATION.--Lat 42°09'24", long 72°42'26", Hampden County, Hydrologic Unit 01080206, about 100 ft south of Owen District Road, 0.4 mi west of intersection of Owen District Road and Mountain Road at East Mountain Country Club, 0.4 mi east of Barnes Municipal Airport.  
Owner: City of Westfield.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.0 in., depth 16 ft, screened 6 to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 215.69 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.43 ft below land-surface datum, Feb. 20, 1997; lowest measured, 4.72 ft below land-surface datum, Dec. 21, 1986, Jan. 24, 1987.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.13	DEC 26	3.00	FEB 21	3.11	APR 26	2.55	JUN 26	2.90	AUG 21	3.20
NOV 27	2.85	JAN 22	3.19	MAR 28	2.50	MAY 25	2.42	JUL 20	3.19	SEP 26	3.03
WATER YEAR 2001	HIGHEST	2.42	MAY 25, 2001	LOWEST	3.20	AUG 21, 2001					

420905072254001. Wilbraham well XJW 55.

LOCATION.--Lat 42°09'05", long 72°25'40", Hampden County, Hydrologic Unit 01080204, 45 ft south of U.S. Highway 20 and 0.1 mi west of North Main Street in Wilbraham.  
Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 62.5 ft, screened 60.5 to 62.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 255 ft above sea level. Measuring point: Top of casing, 1.07 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.15 ft below land-surface datum, Jan. 2, 1997; lowest measured, 45.44 ft below land-surface datum, Jan. 24, 1966.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	42.35	DEC 26	43.29	MAR 27	41.39	MAY 21	36.80	JUL 19	38.68	SEP 25	42.27
NOV 27	43.26	JAN 23	43.81	APR 25	32.27	JUN 25	38.23	AUG 20	40.78		
WATER YEAR 2001	HIGHEST	32.27	APR 25, 2001	LOWEST	43.81	JAN 23, 2001					

HAMPSHIRE COUNTY

422733072532601. Cummington well CYW 13.

LOCATION.--Lat 42°27'33", long 72°53'26", Hampshire County, Hydrologic Unit 01080206, at end of dirt road between lumber yard and elementary school in Cummington center.  
Owner: Town of Cummington.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 39 ft, screened 29 to 39 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 988 ft above sea level. Measuring point: Top of casing, 3.59 ft above land-surface datum, 3.0 ft prior to October 1995.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft below land-surface datum, Apr. 21, 1993; lowest measured, 6.52 ft below land-surface datum, Sept. 23, 1993.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.27	DEC 27	4.62	FEB 21	5.02	APR 27	2.84	JUN 25	4.78	AUG 20	6.06
NOV 28	4.96	JAN 23	5.23	MAR 27	4.05	MAY 24	4.69	JUL 19	5.44	SEP 25	5.49
WATER YEAR 2001	HIGHEST	2.84	APR 27, 2001	LOWEST	6.06	AUG 20, 2001					



GROUND-WATER LEVELS IN MASSACHUSETTS

HAMPSHIRE COUNTY--Continued

421355072322001. Granby well GWK 68.

LOCATION.--Lat 42°13'55", long 72°32'20", Hampshire County, Hydrologic Unit 01080201, about 15 ft east of Morgan Street, 0.3 mi south of East Street, and 2.0 mi southwest of Granby.

Owner: Holyoke Water Power Co.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in., depth 18 ft, screened 16 to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 239.17 ft above sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--April 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.25 ft below land-surface datum, Apr. 21, 1983; lowest measured, 11.17 ft below land-surface datum, Nov. 25, 1964.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	8.71	DEC 27	8.07	FEB 22	8.42	APR 25	5.28	JUN 25	7.09	AUG 20	9.13
NOV 28	8.85	JAN 23	8.38	MAR 27	6.76	MAY 21	6.73	JUL 19	7.94	SEP 25	9.63
WATER YEAR 2001	HIGHEST	5.28	APR 25, 2001	LOWEST	9.63	SEP 25, 2001					

422103072241102. Pelham well PDW 23.

LOCATION.--Lat 42°21'03", long 72°24'11", Hampshire County, Hydrologic Unit 01080204, at Knight's Corner, 50 ft east of U.S. Highway 202 and 75 ft south of small pond in Pelham.

Owner: Massachusetts Department of Public Works.

AQUIFER.--Bedrock.

WELL CHARACTERISTICS.--Air-percussion observation water-table well, diameter 6.0 in., depth 740 ft, cased to 740 ft, open end.

INSTRUMENTATION.--Monthly measurement with electric tape by USGS personnel. Continuous graphic recorder October 1981 to December 1983, April 1986 to October 1991; digital recorder (60-minute punch) October 1991 to current year.

DATUM.--Elevation of land-surface datum is 939 ft above sea level. Measuring point: Top of hole in base of aluminum recorder shelter, 1.53 ft above land-surface datum, 1.60 ft prior to November 1995.

REMARKS.--Water levels affected by unknown pumping, regulation, or construction.

PERIOD OF RECORD.--October 1981 to October 1991; digital recorder (60-minute punch) October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.44 ft below land-surface datum, Apr. 7, 1982; lowest, 24.04 ft below land-surface datum, May 5, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.60	14.97	14.95	14.62	14.96	14.63	13.93	14.26	15.63	16.07	17.17	17.82
2	15.57	14.95	15.02	14.64	15.00	14.57	13.87	14.30	15.57	16.18	17.20	17.86
3	15.54	14.98	15.05	14.63	15.01	14.61	13.83	14.34	15.45	16.32	17.18	17.98
4	15.60	15.03	15.06	14.63	15.15	14.65	13.92	14.41	15.43	16.36	17.10	18.05
5	15.64	15.03	15.02	14.58	15.08	14.58	13.93	14.47	15.47	16.36	17.08	18.06
6	15.59	15.04	14.98	14.55	14.86	14.41	13.84	14.58	15.60	16.37	17.15	18.10
7	15.56	15.06	14.90	14.59	14.93	14.42	13.76	14.74	15.58	16.44	17.15	18.09
8	15.52	15.07	14.89	14.74	14.96	14.46	13.76	14.78	15.55	16.45	17.16	18.09
9	15.45	15.04	14.91	14.72	14.94	14.52	13.68	14.88	15.54	16.47	17.24	18.14
10	15.49	14.96	14.98	14.70	14.81	14.50	13.60	14.90	15.53	16.47	17.34	18.25
11	15.44	14.97	15.01	14.74	14.86	14.63	13.55	14.94	15.56	16.46	17.39	18.26
12	15.44	15.05	14.92	14.75	14.93	14.65	13.48	15.01	15.62	16.56	17.43	18.26
13	15.42	15.04	14.98	14.75	14.93	14.56	13.43	15.13	15.74	16.59	17.41	18.21
14	15.33	15.03	14.92	14.79	14.88	14.47	13.40	15.19	15.78	16.60	17.40	18.16
15	15.30	14.96	14.89	14.78	14.76	14.48	13.42	15.21	15.82	16.70	17.42	18.09
16	15.29	14.94	14.90	14.76	14.82	14.57	13.39	15.31	15.85	16.72	17.42	18.02
17	15.24	14.94	14.86	14.75	14.74	14.60	13.36	15.35	15.94	16.70	17.41	18.02
18	15.14	14.95	14.75	14.75	14.73	14.67	13.34	15.37	15.93	16.70	17.42	17.99
19	15.08	14.93	14.73	14.72	14.78	14.72	13.38	15.39	15.94	16.75	17.51	18.06
20	15.17	14.94	14.71	14.70	14.82	14.80	13.45	15.58	15.90	16.72	17.52	18.03
21	15.12	15.24	14.73	14.79	14.76	14.72	13.49	15.69	15.85	16.64	17.50	17.92
22	15.13	15.31	14.69	14.89	14.82	14.50	13.52	15.72	15.82	16.58	17.50	17.80
23	15.15	15.28	14.76	14.91	14.75	14.36	13.65	15.78	15.78	16.58	17.49	17.72
24	15.09	15.25	14.79	14.84	14.75	14.29	13.73	15.76	15.82	16.64	17.49	17.65
25	15.08	15.21	14.72	14.81	14.82	14.32	13.77	15.71	15.83	16.72	17.52	17.56
26	15.04	15.16	14.68	14.88	14.71	14.31	13.79	15.66	15.93	16.88	17.56	17.47
27	15.01	15.02	14.69	14.88	14.69	14.26	13.81	15.56	15.96	16.96	17.70	17.42
28	14.95	15.04	14.66	15.10	14.68	14.19	13.89	15.49	15.95	17.03	17.76	17.40
29	14.91	15.00	14.63	15.22	---	14.16	14.12	15.44	15.96	17.12	17.80	17.39
30	14.91	14.96	14.59	15.10	---	14.11	14.21	15.52	15.97	17.17	17.83	17.39
31	14.97	---	14.56	14.96	---	13.98	---	15.59	---	17.18	17.84	---
MEAN	15.28	15.05	14.84	14.78	14.85	14.47	13.68	15.16	15.74	16.63	17.42	17.91
LOW	15.64	15.31	15.06	15.22	15.15	14.80	14.21	15.78	15.97	17.18	17.84	18.26
HIGH	14.91	14.93	14.56	14.55	14.68	13.98	13.34	14.26	15.43	16.07	17.08	17.39

WTR YR 2001 HIGH 13.33 APR 18, LOW 18.26 SEPT 11

## GROUND-WATER LEVELS IN MASSACHUSETTS

## HAMPSHIRE COUNTY--Continued

422103072241103. Pelham well PDW 24.

LOCATION.--Lat 42°21'03", long 72°24'11", Hampshire County, Hydrologic Unit 01080204, at Knight's Corner, 50 ft east of U.S. Highway 202 and 75 ft south of small pond in Pelham.

Owner: Massachusetts Department of Public Works.

AQUIFER.--Glacial sand and till of the Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., PVC, depth 25.0 ft, screened 21.0 to 25.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 940 ft above sea level. Measuring point: Top of casing, 3.86 ft above land-surface datum, 3.0 ft prior to October 1995.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.80 ft below land-surface datum, Mar. 29, 1994; lowest water level measured, 7.84 ft below land-surface datum, Aug. 23, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.72	NOV 27	4.51	DEC 27	4.44	JAN 23	4.79	FEB 20	4.11	MAR 27	2.71
APR 25	3.10	MAY 21	4.54	JUN 25	4.29	JUL 19	5.40	AUG 20	6.71	SEP 25	6.97
WATER YEAR 2001	HIGHEST	2.71	MAR 27, 2001	LOWEST	6.97	SEP 25, 2001					

421627072201701. Ware well WEW 43.

LOCATION.--Lat 42°16'27", long 72°20'17", Hampshire County, Hydrologic Unit 01080204, 30 ft north of State Highway 9 and 200 ft east of Swift River in Ware.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 27.2 ft, screened 25.2 to 27.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 380 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

REMARKS.--Water levels affected by Swift River.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1975, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.08 ft below land-surface datum, Apr. 28, 1997; lowest measured, 11.51 ft below land-surface datum, Jan. 20, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	8.66	DEC 27	8.50	FEB 20	8.59	APR 25	7.51	JUN 25	7.71	AUG 20	8.22
NOV 27	8.71	JAN 23	8.66	MAR 27	7.98	MAY 21	7.94	JUL 19	8.55	SEP 25	8.45
WATER YEAR 2001	HIGHEST	7.51	APR 25, 2001	LOWEST	8.71	NOV 27, 2000					

421923072451001. Westhampton well WXW 20.

LOCATION.--Lat 42°20'28", long 72°48'24", Hampshire County, Hydrologic Unit 01080206, 20 ft north of Northwest Road and 0.75 mi west of intersection of Kings Road and Northwest Road, 4 mi northwest of Westhampton.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 42 ft, screened 32 to 42 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1175 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--July 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.17 ft below land-surface datum, May 29, 1996; lowest measured, 17.59 ft below land-surface datum, Nov. 21, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	13.34	DEC 26	14.37	FEB 21	14.49	APR 25	6.91	JUN 26	8.02	AUG 21	13.06
NOV 27	14.63	JAN 22	13.89	MAR 28	14.31	MAY 22	7.09	JUL 20	10.28	SEP 26	15.40
WATER YEAR 2001	HIGHEST	6.91	APR 25, 2001	LOWEST	15.40	SEP 26, 2001					

## MIDDLESEX COUNTY

422812071244401. Acton well ACW 158.

LOCATION.--Lat 42°28'12", long 71°24'44", Middlesex County, Hydrologic Unit 01070005, 30 ft north of State Highway 2 and 150 ft east of Wetherbee Street in Acton.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 33.8 ft, screened 31.8 to 33.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 153 ft above sea level. Measuring point: Top of PVC casing in base of steel shelter, 3.60 ft above land-surface datum. Prior to August 2000, top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.98 ft below land-surface datum, Apr. 23, 1987; lowest measured, 21.86 ft below land-surface datum, Jan. 26, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	19.48	DEC 29	19.08	FEB 21	19.20	APR 23	17.18	JUN 19	17.84	AUG 30	18.92
NOV 27	19.43	JAN 22	19.18	MAR 28	17.81	MAY 23	17.46	JUL 26	18.20	SEP 25	19.53
WATER YEAR 2001	HIGHEST	17.18	APR 23, 2001	LOWEST	19.53	SEP 25, 2001					

423349071134101. Billerica well BCW 363.

LOCATION.--Lat 42°33'49", long 71°13'41", Middlesex County, Hydrologic Unit 01070002, 20 ft south of Baldwin Road and 50 ft west of Westminster Road in Billerica.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 15.5 ft, cased with stone to 15.5 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 166 ft above sea level. Measuring point: Top of pipe on wooden cover, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1962 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.73 ft below land-surface datum, Apr. 1, 1993; lowest measured, dry Aug. 24, Sept. 22, Oct. 25, 1983.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	12.33	DEC 29	9.14	FEB 21	9.10	APR 23	3.70	JUN 20	9.41	AUG 31	11.45
NOV 28	10.29	JAN 23	9.79	MAR 27	1.98	MAY 24	9.20	JUL 26	10.29		
WATER YEAR 2001	HIGHEST	1.98	MAR 27, 2001	LOWEST	12.33	OCT 25, 2000					

423546071190701.--Chelmsford well CHW 384.

LOCATION.--Lat 42°35'46", long 71°19'07", Middlesex County, Hydrologic Unit 0107000, 25 ft east of U.S. Highway 3 and 0.4 mi north of State Highway 129 in Chelmsford.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 42.0 ft, screened 40.0 to 42.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 125 ft above sea level. Measuring point: Top of casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--May 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.02 ft below land-surface datum, Mar. 28, 2001; lowest measured, 17.31 ft below land-surface datum, Sept. 26, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.15	DEC 29	15.28	FEB 21	15.45	APR 23	14.20	JUN 20	14.75	AUG 31	15.75
NOV 28	15.38	JAN 23	15.63	MAR 28	14.02	MAY 24	15.15	JUL 26	15.51	SEP 26	16.08
WATER YEAR 2001	HIGHEST	14.02	MAR 28, 2001	LOWEST	16.15	OCT 23, 2000					

GROUND-WATER LEVELS IN MASSACHUSETTS

MIDDLESEX COUNTY--Continued

422637071202701. Concord well CTW 165.

LOCATION.--Lat 42°26'37", long 71°20'27", Middlesex County, Hydrologic Unit 01070005, 30 ft south of State Highway 2 and 0.1 mi west of State Highway 126 in Concord.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 66.7 ft, screened 64.7 to 66.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 199.26 ft (revised) above sea level. Measuring point: Top of casing, 0.5 ft above land-surface datum, 2.0 ft prior to October 1991.

PERIOD OF RECORD.--February 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.50 ft below land-surface datum, July 20, 1984; lowest measured, 47.10 ft below land-surface datum, Feb. 28, 1967.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	42.19	DEC 29	42.90	FEB 21	43.40	APR 23	41.44	JUN 19	40.70	AUG 30	41.28
NOV 27	42.52	JAN 24	43.65	MAR 28	43.16	MAY 23	40.78	JUL 26	40.83	SEP 26	41.70
WATER YEAR 2001	HIGHEST	40.70	JUN 19, 2001	LOWEST	43.65	JAN 24, 2001					

422650071214402. Concord well CTW 167.

LOCATION.--Lat 42°26'50", long 71°21'44", Middlesex County, Hydrologic Unit 01070005, 10 ft south of State Highway 2 and 10 ft west of Sudbury Road in Concord.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 24.8 ft, screened 21.8 to 24.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 135 ft above sea level. Measuring point: Top of casing, 3.3 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.47 ft below land-surface datum, Apr. 21, 1984; lowest measured, 10.60 ft below land-surface datum, Aug. 27, 1999.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.28	DEC 29	8.53	FEB 21	8.51	APR 23	6.24	JUN 19	7.58	AUG 30	9.16
NOV 27	9.12	JAN 22	9.08	MAR 28	5.89	MAY 23	7.78	JUL 26	8.37	SEP 26	10.00
WATER YEAR 2001	HIGHEST	5.89	MAR 28, 2001	LOWEST	10.28	OCT 23, 2000					

422627071154002. Lexington well LTW 104.

LOCATION.--Lat 42°26'27", long 71°15'40", Middlesex County, Hydrologic Unit 01090001, at The Commonwealth of Massachusetts Department of Public Works maintenance depot, 0.2 mi west of State Highway 128 and 500 ft south of State Highway 2A in Lexington.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 20.7 ft, screened 18.7 to 20.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 180 ft above sea level. Measuring point: Top of casing, 4.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.72 ft below land-surface datum, Apr. 1, 1993; lowest measured, 4.35 ft below land-surface datum, Aug. 26, 1975.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	2.37	DEC 29	2.31	FEB 21	1.45	APR 23	2.10	JUN 19	1.45	AUG 30	3.12
NOV 27	1.62	JAN 22	2.06	MAR 28	1.20	MAY 23	2.79	JUL 26	2.99	SEP 26	3.13
WATER YEAR 2001	HIGHEST	1.20	MAR 28, 2001	LOWEST	3.13	SEP 26, 2001					

## MIDDLESEX COUNTY--Continued

424055071435301. Townsend well TRW 13.

LOCATION.--Lat 42°40'55", long 71°43'43", Middlesex County, Hydrologic Unit 01070004, 15 ft south of Dudley Road and 15 ft north of Turnpike Road in Townsend.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 32.9 ft, screened 30.9 to 32.9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 313 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.55 ft below land-surface datum, Apr. 24, 1987; lowest measured, 17.41 ft below land-surface datum, Jan. 26, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	13.49	DEC 29	13.53	FEB 21	13.82	APR 25	11.06	JUN 19	11.47	AUG 30	13.48
NOV 28	13.71	JAN 23	13.72	MAR 27	12.98	MAY 23	11.28	JUL 26	12.45	SEP 26	13.98
WATER YEAR 2001	HIGHEST	11.06	APR 25, 2001	LOWEST	13.98	SEP 26, 2001					

423115071032001. Wakefield well WAW 38.

LOCATION.--Lat 42°31'15", long 71°03'20", Middlesex County, Hydrologic Unit 01090001, 75 ft north of State Highway 128 and 0.4 mi southeast of Saugus River in Wakefield.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 25.5 ft, screened 23.5 to 25.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 80 ft above sea level. Measuring point: Top of plywood floor in base of steel shelter, 3.54 ft above land-surface datum; prior to July 2001, top of casing, 3.45 ft above land-surface datum, 3.0 ft prior to June 1994.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.92 ft below land-surface datum, Oct. 29, 1996; lowest measured, 9.99 ft below land-surface datum, Sept. 22, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.20	DEC 29	5.93	FEB 21	6.13	APR 25	6.03	JUN 19	6.39	AUG 28	7.15
NOV 28	5.87	JAN 23	6.45	MAR 27	4.75	MAY 24	6.97	JUL 26	7.01	SEP 25	7.87
WATER YEAR 2001	HIGHEST	4.75	MAR 27, 2001	LOWEST	7.87	SEP 25, 2001					

421852071220501. Wayland well WKW 2.

LOCATION.--Lat 42°18'52", long 71°22'05", Middlesex County, Hydrologic Unit 01070005, 0.25 mi west of State Highway 27 and 100 ft south of State Highway 30, at Cochituate State Park in Wayland.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 33.0 ft, screened 31.0 to 33.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 157.75 ft above sea level. Measuring point: Top of casing, 2.76 ft above land-surface datum, 4.0 ft prior to April 1993.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.96 ft below land-surface datum, Mar. 27, 1972; lowest measured, 18.10 below land-surface datum, Sept. 26, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.77	DEC 26	16.29	FEB 22	16.57	APR 28	15.06	JUN 25	15.72	AUG 30	16.87
NOV 27	16.34	JAN 22	16.73	MAR 28	15.06	MAY 23	15.76	JUL 26	16.36	SEP 25	17.14
WATER YEAR 2001	HIGHEST	15.06	MAR 28, 2001	APR 28, 2001	LOWEST	17.14	SEP 25, 2001				

GROUND-WATER LEVELS IN MASSACHUSETTS

MIDDLESEX COUNTY--Continued

423401071093801. Wilmington well XMW 78.

LOCATION.--Lat 42°34'01", long 71°09'38", Middlesex County, Hydrologic Unit 01090001, at building formerly known as Whitefield Public School in Wilmington, about 30 ft west of State Highway 62, and 0.3 mi north of Concord Street. Owner: Town of Wilmington.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 42 in., depth 12 ft, cased with stone to 12 ft, open end.

INSTRUMENTATION.--Monthly measurement with electric tape by observer. Continuous graphic recorder March 1958 to September 1982, digital recorder (60-minute punch) October 1984 to current year.

DATUM.--Elevation of land-surface datum is 95 ft above sea level. Measuring point: Top edge of hole in base of steel recorder shelter, 0.27 ft above land-surface datum, 0.42 ft prior to May 1991.

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.12 ft below land-surface datum, Mar. 30, 2001; lowest, 11.27 ft below land-surface datum, Oct. 30, 1957.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.14	9.14	8.16	---	8.34	7.93	4.29	5.98	7.71	7.72	8.56	8.65
2	9.15	9.12	8.16	---	8.34	7.93	4.32	6.05	7.67	7.64	8.59	8.69
3	9.16	9.11	8.15	---	8.35	7.95	4.37	6.11	7.67	7.69	8.56	8.72
4	9.17	9.10	8.14	---	8.37	7.98	4.44	6.17	7.72	7.69	8.41	8.73
5	9.19	9.09	8.14	---	8.36	7.97	4.48	6.25	7.75	7.69	8.49	8.73
6	9.18	9.07	8.15	---	8.35	7.97	4.49	6.33	7.79	7.71	8.50	8.77
7	9.17	9.04	8.15	---	8.37	8.02	4.57	6.39	7.82	7.74	8.52	8.79
8	9.18	9.02	8.19	---	8.38	8.04	4.60	6.45	7.85	7.76	8.56	8.82
9	9.19	9.01	8.23	---	8.35	8.04	4.57	6.51	7.88	7.79	8.60	8.84
10	9.19	8.86	8.26	---	8.22	8.02	4.64	6.56	7.91	7.84	8.55	8.87
11	9.20	8.74	8.28	---	8.18	8.01	4.71	6.62	7.95	7.88	8.54	8.89
12	9.21	8.71	8.29	---	8.18	7.98	4.74	6.69	7.97	7.93	8.20	8.92
13	9.22	8.64	8.35	---	8.16	7.86	4.75	6.76	7.99	7.97	8.16	8.94
14	9.23	8.56	8.35	---	8.13	7.71	4.81	6.82	8.01	8.00	8.16	8.96
15	9.24	8.42	8.39	---	8.03	7.66	4.87	6.88	8.04	8.04	8.14	8.98
16	9.26	8.38	8.40	---	8.04	7.56	4.89	6.94	8.07	8.07	8.13	9.00
17	9.27	8.34	7.90	---	8.03	7.47	4.98	7.00	7.81	8.10	8.13	9.02
18	9.27	8.30	7.89	---	8.03	7.39	5.07	7.05	7.68	8.13	8.15	9.04
19	9.18	8.27	7.90	---	8.03	7.32	5.17	7.10	7.74	8.15	8.18	9.07
20	9.16	8.23	7.84	---	8.01	7.24	5.25	7.17	7.75	8.17	8.22	9.09
21	9.15	8.21	7.79	---	7.99	7.13	5.32	7.22	7.76	8.19	8.26	9.10
22	9.15	8.20	7.74	---	7.99	5.65	5.38	7.28	7.76	8.22	8.30	9.10
23	9.16	8.21	7.71	m8.37	7.99	5.28	5.45	7.32	7.78	8.26	8.34	9.11
24	9.15	8.23	7.68	8.37	8.01	5.12	5.50	7.37	7.82	8.29	8.37	9.13
25	9.15	8.25	7.67	8.39	8.01	5.00	5.59	7.42	7.86	8.33	8.41	9.14
26	9.15	8.20	7.66	8.41	7.96	4.93	5.66	7.47	7.89	8.36	8.44	9.15
27	9.15	8.13	7.66	8.42	7.92	4.90	5.71	7.50	7.92	8.40	8.48	9.16
28	9.16	8.16	7.67	8.44	7.92	4.90	5.79	7.54	7.95	8.43	8.51	9.17
29	9.17	8.16	m7.72	8.46	---	4.92	5.87	7.58	7.99	8.46	8.55	9.18
30	9.19	8.16	---	8.45	---	4.70	5.92	7.62	7.95	8.49	8.59	9.19
31	9.18	---	---	8.36	---	4.36	---	7.66	---	8.52	8.62	---
MEAN	9.18	8.57	---	---	8.14	6.87	5.01	6.90	7.85	8.05	8.39	8.97
LOW	9.27	9.14	---	---	8.38	8.04	5.92	7.66	8.07	8.52	8.62	9.19
HIGH	9.14	8.13	---	---	7.92	4.36	4.29	5.98	7.67	7.64	8.13	8.65

WTR YR 2001 HIGH 4.12 MAR 30 LOW 9.27 OCT 17, 18  
m Measured

422819071065701. Winchester well XOW 14.

LOCATION.--Lat 42°28'19", long 71°06'57", Middlesex County, Hydrologic Unit 01090001, at 220 Forest Street and 100 ft north of Forest Street in Winchester. Owner: Private owner.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 36 in., depth 17.0 ft, cased with stone to 17.0 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 116.29 ft above sea level. Measuring point: Top edge of angle iron, at land-surface datum.

PERIOD OF RECORD.--July 1940 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.03 ft below land-surface datum, Mar. 26, 1969; lowest measured, 15.60 ft below land-surface datum, Oct. 31, 1957.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.46	DEC 29	8.79	FEB 21	9.37	APR 30	10.15	JUN 20	8.17	AUG 28	11.96
NOV 27	9.22	JAN 23	11.27	MAR 27	5.58	MAY 30	11.86	JUL 26	11.18	SEP 25	13.14
WATER YEAR 2001	HIGHEST	5.58	MAR 27, 2001	LOWEST	13.14	SEP 25, 2001					

## NANTUCKET COUNTY

41155070021901. Nantucket well NBW 228.

LOCATION.--Lat 41°15'55", long 70°02'19", Nantucket County, Hydrologic Unit 01090002, 165 ft south of Milestone Road and 300 ft east of Madequecham Valley Brook in Nantucket.

Owner: Nantucket Conservation Foundation.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 35.6 ft, screened 32.6 to 35.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 39 ft above sea level. Measuring point: Top of casing, 2.34 ft above land-surface datum, 0.7 ft prior to November 1994.

PERIOD OF RECORD.--March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.51 ft below land-surface datum, July 28, 1997; lowest measured, 27.90 ft below land-surface datum, Feb. 23, 1981.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	25.45	DEC 21	26.11	MAR 23	26.02	MAY 24	24.42	JUL 26	24.26	SEP 28	24.92
NOV 28	25.84	FEB 27	26.27	APR 26	25.31	JUN 26	24.10	AUG 30	24.57		
WATER YEAR 2001	HIGHEST	24.10	JUN 26, 2001	LOWEST	26.27	FEB 27, 2001					

## NORFOLK COUNTY

421250071090901. Dedham well DDW 231.

LOCATION.--Lat 42°12'50", long 71°09'09", Norfolk County, Hydrologic Unit 01090001, 50 ft south of State Highway 128 and 0.3 mi west of University Avenue in Dedham.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 21.9 ft, screened 19.9 to 21.9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 65 ft above sea level. Measuring point: Top of casing, 2.3 ft above land-surface datum. Prior to July 17, 1978, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.45 ft below land-surface datum, Mar. 28, 1978; lowest measured, 15.95 ft below land-surface datum, Oct. 28, 1997.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.58	DEC 26	5.88	FEB 22	6.04	APR 28	3.33	JUN 25	7.38	AUG 30	11.47
NOV 27	10.20	JAN 22	7.21	MAR 28	3.33	MAY 29	8.28	JUL 23	9.26	SEP 25	12.80
WATER YEAR 2001	HIGHEST	3.33	MAR 28, 2001	APR 28, 2001	LOWEST	12.80	SEP 25, 2001				

421435071165701. Dover well DVW 10.

LOCATION.--Lat 42°14'35", long 71°16'57", Norfolk County, Hydrologic Unit 01090001, at Dover Public School about 400 ft southwest of and about 400 ft west of Center Street in Dover.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 54 ft, screened 52 to 54 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 160 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.95 ft below land-surface datum, Apr. 20, 1987; lowest measured, 36.87 ft below land-surface datum, Jan. 21, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	34.41	DEC 26	34.08	FEB 22	34.01	APR 28	31.98	JUN 25	32.27	AUG 30	33.57
NOV 27	34.54	JAN 22	34.07	MAR 28	31.98	MAY 29	32.14	JUL 23	32.70	SEP 25	34.06
WATER YEAR 2001	HIGHEST	31.98	MAR 28, 2001	APR 28, 2001	LOWEST	34.54	NOV 27, 2000				

GROUND-WATER LEVELS IN MASSACHUSETTS

NORFOLK COUNTY--Continued

420432071151201. Foxborough well FXW 3.

LOCATION.--Lat 42°04'32", long 71°15'12", Norfolk County, Hydrologic Unit 01090004, at Foxborough State Hospital, near railroad tracks, 100 ft east of driveway, and 250 ft north of Chestnut Street in Foxborough.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 32 ft, screened 30 to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 290 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.24 ft below land-surface datum, Mar. 25, 1968; lowest measured, 21.42 ft below land-surface datum, Dec. 28, 1965.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	20.54	NOV 28	19.88	DEC 28	19.10	JAN 24	19.31	FEB 23	18.96	MAR 28	17.83
APR 27	18.25	MAY 22	18.82	JUN 25	18.60	JUL 26	19.17	AUG 29	19.63	SEP 26	20.17
WATER YEAR 2001	HIGHEST	17.83	MAR 28, 2001	LOWEST	20.54	OCT 30, 2000					

420717071221301 KINGSBURY POND NEAR NORFOLK, MA

LOCATION.--Lat 42°07'17", long 71°22'13", Norfolk County, Hydrologic Unit 01090001, on southeast corner of pond, 150 ft northwest of Miller Street, 2.3 mi west of Norfolk.

DRAINAGE AREA.--Not Determined

PERIOD OF RECORD.--Elevation: November 2000 to September 2001.

GAGE.--Water-stage recorder. Elevation of gage is 137.68 ft above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Records not rated.

EXTREMES FOR THE PERIOD NOVEMBER 2000 TO SEPTEMBER 2001.--Maximum elevation, 132.67 ft, June 17, 2001; minimum, 128.08 ft., Dec. 12-14.

ELEVATION, IN FEET ABOVE NGVD OF 1929, NOVEMBER 2000 TO SEPTEMBER 2001

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	128.29	128.26	128.13	128.17	129.85	132.30	132.32	132.50	131.66	130.48
2	---	---	128.27	128.24	128.12	128.17	129.93	132.34	132.37	132.49	131.62	130.42
3	---	---	128.24	128.23	128.11	128.17	130.02	132.36	132.42	132.45	131.58	130.36
4	---	---	128.22	128.21	128.10	128.17	130.10	132.39	132.42	132.42	131.56	130.30
5	---	---	128.21	128.21	128.12	128.22	130.19	132.41	132.42	132.43	131.52	130.25
6	---	---	128.19	128.21	128.21	128.38	130.29	132.41	132.41	132.44	131.48	130.19
7	---	---	128.17	128.20	128.19	128.41	130.40	132.42	132.39	132.40	131.43	130.14
8	---	---	128.15	128.19	128.18	128.40	130.54	132.42	132.38	132.38	131.38	130.09
9	---	---	128.14	128.20	128.18	128.41	130.66	132.42	132.35	132.36	131.34	130.03
10	---	---	128.12	128.19	128.19	128.44	130.76	132.42	132.32	132.37	131.30	129.98
11	---	---	128.11	128.17	128.18	128.44	130.86	132.42	132.31	132.42	131.28	129.93
12	---	---	128.10	128.16	128.17	128.44	130.97	132.42	132.36	132.39	131.27	129.87
13	---	---	128.08	128.15	128.16	128.51	131.08	132.41	132.33	132.36	131.31	129.81
14	---	---	128.12	128.13	128.15	128.55	131.17	132.39	132.30	132.32	131.29	129.80
15	---	---	128.12	128.15	128.15	128.55	131.26	132.37	132.27	132.29	131.24	129.75
16	---	---	128.11	128.15	128.15	128.56	131.35	132.36	132.23	132.25	131.19	129.69
17	---	---	128.24	128.15	128.16	128.57	131.44	132.35	132.40	132.23	131.14	129.64
18	---	---	128.36	128.14	128.15	128.60	131.54	132.33	132.65	132.21	131.10	129.59
19	---	---	128.35	128.14	128.14	128.61	131.61	132.32	132.62	132.17	131.04	129.54
20	---	---	128.38	128.17	128.14	128.62	131.69	132.30	132.59	132.14	131.02	129.50
21	---	---	128.37	128.20	128.14	128.64	131.77	132.27	132.57	132.10	131.00	129.49
22	---	---	128.35	128.19	128.13	128.91	131.84	132.27	132.54	132.06	130.95	129.48
23	---	---	128.33	128.18	128.14	129.02	131.91	132.27	132.52	132.02	130.89	129.45
24	---	---	128.32	128.17	128.13	129.06	131.98	132.33	132.50	131.98	130.84	129.40
25	---	---	128.30	128.16	128.15	129.10	132.04	132.35	132.48	131.95	130.78	129.37
26	---	---	128.28	128.15	128.17	129.14	132.09	132.33	132.46	131.92	130.73	129.34
27	---	---	128.26	128.13	128.17	129.24	132.15	132.38	132.43	131.89	130.69	129.29
28	---	---	128.25	128.12	128.17	129.31	132.19	132.37	132.39	131.84	130.69	129.24
29	---	128.32	128.23	128.11	---	129.36	132.23	132.36	132.36	131.79	130.64	129.18
30	---	128.31	128.24	128.11	---	129.57	132.27	132.36	132.35	131.75	130.58	129.13
31	---	---	128.27	128.14	---	129.77	---	132.33	---	131.71	130.53	---
MEAN	---	---	128.23	128.17	128.15	128.69	131.21	132.36	132.42	132.19	131.13	129.76
MAX	---	---	128.38	128.26	128.21	129.77	132.27	132.42	132.65	132.50	131.66	130.48
MIN	---	---	128.08	128.11	128.10	128.17	129.85	132.27	132.23	131.71	130.53	129.13



## NORFOLK COUNTY--Continued

420545071174001. Norfolk well NNW 27.

LOCATION.--Lat 42°05'45", long 71°17'40", Norfolk County, Hydrologic Unit 01090001, 15 ft northwest of State Highway 1A and 0.1 mi northeast of Valley Street in Norfolk.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 18.4 ft, screened 16.4 to 18.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 160 ft above sea level. Measuring point: Top of plywood on floor of steel shelter; prior to August 2001, top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.20 ft below land-surface datum, Dec. 20, 1986, and Apr. 20, 1987; lowest measured, 7.99 ft below land-surface datum, July 30, 1997.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	6.01	DEC 28	4.90	FEB 23	5.17	APR 27	5.61	JUN 25	5.15	AUG 29	6.19
NOV 28	5.34	JAN 26	5.54	MAR 28	3.94	MAY 22	5.53	JUL 26	6.46	SEP 26	7.23
WATER YEAR 2001	HIGHEST	3.94	MAR 28, 2001	LOWEST	7.23	SEP 26, 2001					

420954070564501. Weymouth well XGW 2.

LOCATION.--Lat 42°09'54", long 70°56'45", Norfolk County, Hydrologic Unit 01090001, 40 ft south of main gate guard house at U.S. Naval Air Station at Weymouth.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 30 ft, screened 28 to 30 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 180 ft above sea level. Measuring point: Top of casing, 0.45 ft above land-surface datum, 3.0 ft prior to November 1989.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.57 ft below land-surface datum, Apr. 2, 1993; lowest measured, 22.63 ft below land-surface datum, Nov. 21, 1980.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.78	DEC 26	10.67	MAR 28	5.33	MAY 25	10.43	JUL 23	12.25	SEP 25	17.00
NOV 27	15.03	FEB 22	9.27	APR 26	7.24	JUN 25	11.35	AUG 30	15.03		
WATER YEAR 2001	HIGHEST	5.33	MAR 28, 2001	LOWEST	17.00	SEP 25, 2001					

421147070571901. Weymouth well XGW 3.

LOCATION.--Lat 42°11'47", long 70°57'19", Norfolk County, Hydrologic Unit 01090001, about 100 ft east of State Highway 18 and about 600 ft off State Highway 3 in Weymouth.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 22.3 ft, screened 20.3 to 22.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 90 ft above sea level. Measuring point: Top of casing, 2.5 ft above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.91 ft below land-surface datum, Jan. 27, 1978; lowest measured, 18.10 ft below land-surface datum, Sept. 27, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.61	DEC 26	6.08	MAR 28	3.70	MAY 25	5.70	JUL 23	6.02	SEP 25	6.26
NOV 27	4.68	FEB 22	4.78	APR 26	4.63	JUN 25	5.09	AUG 30	6.92		
WATER YEAR 2001	HIGHEST	3.70	MAR 28, 2001	LOWEST	6.92	AUG 30, 2001					

## GROUND-WATER LEVELS IN MASSACHUSETTS

## NORFOLK COUNTY--Continued

421120070562801. Weymouth well XGW 4.

LOCATION.--Lat 42°11'20", long 70°56'28", Norfolk County, Hydrologic Unit 01090001, at median strip of State Highway 3 and 0.8 mi south of State Highway 18 in Weymouth.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 22.6 ft, screened 20.6 to 22.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 90 ft above sea level. Measuring point: Top of casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 4.39 ft below land-surface datum, Apr. 2, 1993; lowest measured, 10.45 ft below land-surface datum, Sept. 27, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.41	DEC 26	4.52	MAR 28	5.03	MAY 25	7.59	JUL 23	7.33	SEP 25	7.32
NOV 27	6.19	FEB 22	6.29	APR 26	6.22	JUN 25	6.73	AUG 30	7.48		
WATER YEAR 2001	HIGHEST	4.52	DEC 26, 2000	LOWEST	7.59	MAY 25, 2001					

## PLYMOUTH COUNTY

420321070433502. Duxbury well D4W 79.

LOCATION.--Lat 42°03'21", long 70°43'35", Plymouth County, Hydrologic Unit 01090002, 30 ft west of State Highway 3 and about 300 ft north of State Highway 14 in Duxbury.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and silty clay of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 23.5 ft, screened 21.5 to 23.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 55 ft above sea level. Measuring point: Top of plywood floor in base of steel shelter; prior to August 2001, top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.10 ft below land-surface datum, Jan. 26, 1978; lowest measured, 10.68 ft below land-surface datum, Sept. 28, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	8.90	DEC 26	7.65	MAR 29	6.84	MAY 24	8.19	JUL 31	8.97	SEP 26	9.29
NOV 29	8.20	FEB 22	7.73	APR 24	7.48	JUN 25	8.18	AUG 28	8.87		
WATER YEAR 2001	HIGHEST	6.84	MAR 29, 2001	LOWEST	9.29	SEP 26, 2001					

420317070432901. Duxbury well D4W 80.

LOCATION.--Lat 42°03'17", long 70°43'29", Plymouth County, Hydrologic Unit 01090002, 78 ft south of State Highway 14 and 250 ft east of State Highway 3 in Duxbury.

Owner: The Commonwealth of Massachusetts Department of Public Works.

AQUIFER.--Bedrock.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6.0 in., depth 181 ft, cased to 59 ft, open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 65 ft above sea level. Measuring point: Top of hole in concrete cover, at land-surface datum.

PERIOD OF RECORD.--April 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.98 ft below land-surface datum, Feb. 26, 1998; lowest measured, 24.02 ft below land-surface datum, Sept. 28, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	22.23	DEC 26	20.88	FEB 22	20.91	APR 24	20.90	JUN 25	21.62	AUG 28	22.38
NOV 29	21.63	JAN 25	21.63	MAR 29	20.31	MAY 24	21.60	JUL 31	22.40	SEP 26	22.70
WATER YEAR 2001	HIGHEST	20.31	MAR 29, 2001	LOWEST	22.70	SEP 26, 2001					

## PLYMOUTH COUNTY--Continued

420056070575701. East Bridgewater well EBW 30.

LOCATION.--Lat 42°00'56", long 70°57'57", Plymouth County, Hydrologic Unit 01090004, about 100 ft north of State Highway 106 and 800 ft west of State Highway 18 in East Bridgewater.

Owner: East Bridgewater Medical Center.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 36 in., depth 24 ft, cased with stone to 24 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 85 ft above sea level. Measuring point: Top of stone casing curb, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--July 1958 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.18 ft below land-surface datum, Feb. 26, 1998; lowest measured, 17.83 ft below land-surface datum, Dec. 28, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	13.91	DEC 21	13.41	FEB 21	9.82	APR 24	4.30	JUN 25	7.90	AUG 28	11.89
NOV 29	14.05	JAN 25	11.45	MAR 29	3.80	MAY 24	7.91	JUL 31	10.34	SEP 26	13.60
WATER YEAR 2001	HIGHEST	3.80	MAR 29, 2001	LOWEST	14.05	NOV 29, 2000					

420353070520301. Hanson well HGW 76.

LOCATION.--Lat 42°03'53", long 70°52'03", Plymouth County, Hydrologic Unit 01090002, 100 ft south of State Highway 14 and 150 ft west of town hall in Hanson.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 26.6 ft, screened 24.6 to 26.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 71 ft above sea level. Measuring point: Top of casing, 1.5 ft above land-surface datum.

REMARKS.--Water level affected by Wampatuck Pond.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft below land-surface datum, Mar. 26, 1969; lowest measured, 6.53 ft below land-surface datum, Sept. 25, 1980.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.07	DEC 21	4.46	FEB 21	4.61	APR 27	4.27	JUN 25	4.53	AUG 28	4.95
NOV 29	4.68	JAN 25	4.70	MAR 29	3.70	MAY 24	4.42	JUL 31	5.05	SEP 26	4.86
WATER YEAR 2001	HIGHEST	3.70	MAR 29, 2001	LOWEST	5.07	OCT 30, 2000					

GROUND-WATER LEVELS IN MASSACHUSETTS

PLYMOUTH COUNTY--Continued

415228070554601. Lakeville well LKW 14.

LOCATION.--Lat 41°52'28", long 70°55'46", Plymouth County, Hydrologic Unit 01090004, 30 ft west of parking lot at Lakeville State Hospital in Lakeville.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 41 ft, screened 39 to 41 ft.

INSTRUMENTATION.--Monthly measurement with electric tape by observer. Digital recorder (60-min punch) July 1986 to current year.

DATUM.--Elevation of land-surface datum is 105 ft above sea level. Measuring point: Top edge of hole in base of aluminum recorder shelter, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--June 1964 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.56 ft below land-surface datum, May 13, 1998; lowest measured, 23.59 ft below land-surface datum, Oct. 26, 1966.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.86	17.67	17.87	17.05	17.25	16.32	11.95	11.58	12.80	13.09	15.08	16.35
2	16.88	17.70	17.87	17.03	17.22	16.31	11.62	11.64	12.76	13.18	15.14	16.41
3	16.91	17.72	17.85	17.01	17.20	16.32	11.42	11.71	12.73	13.25	15.20	16.44
4	16.94	17.73	17.82	16.99	17.17	16.32	11.28	11.76	12.74	13.28	15.25	16.48
5	16.97	17.75	17.79	16.97	17.09	16.29	11.18	11.84	12.73	13.32	15.29	16.52
6	16.98	17.78	17.79	16.96	17.06	16.28	11.11	11.93	12.72	13.39	15.34	16.57
7	17.01	17.80	17.78	16.97	17.03	16.27	11.13	11.99	12.72	13.46	15.40	16.62
8	17.04	17.82	17.79	16.96	16.99	16.24	11.08	12.04	12.75	13.51	15.46	16.67
9	17.06	17.83	17.81	16.96	16.93	16.19	11.02	12.09	12.81	13.56	15.52	16.71
10	17.08	17.84	17.82	16.98	16.88	16.14	11.02	12.14	12.88	13.62	15.58	16.76
11	17.11	17.87	17.82	16.99	16.85	16.10	11.03	12.21	12.96	13.68	15.64	16.82
12	17.15	17.88	17.82	17.03	16.80	16.06	10.97	12.27	13.00	13.75	15.67	16.88
13	17.18	17.89	17.88	17.05	16.74	15.97	10.92	12.35	13.07	13.82	15.70	e16.91
14	17.21	17.88	17.86	17.07	16.68	15.88	10.88	12.41	13.10	13.88	15.73	---
15	17.25	17.89	17.90	17.09	16.64	15.77	10.85	12.47	13.12	13.95	15.77	---
16	17.28	17.89	17.89	17.11	16.59	15.62	10.84	12.55	13.14	14.03	15.81	---
17	17.30	17.88	17.85	17.15	16.55	15.46	10.85	12.62	13.15	14.08	15.85	---
18	17.32	17.89	17.88	17.18	16.52	15.30	10.88	12.68	13.15	14.14	15.90	e17.12
19	17.34	17.89	17.84	17.18	16.49	15.15	11.00	12.73	13.04	14.20	15.94	17.18
20	17.37	17.86	17.76	17.21	16.45	15.01	11.04	12.82	12.90	14.26	15.98	17.22
21	17.40	17.86	17.70	17.21	16.43	14.86	11.05	12.89	12.82	14.33	16.01	17.26
22	17.43	17.86	17.60	17.24	16.41	14.63	11.03	12.94	12.75	14.41	16.04	17.28
23	17.46	17.88	17.52	17.22	16.39	14.29	11.11	13.00	12.70	14.48	16.08	17.32
24	17.48	17.89	17.43	17.20	16.39	13.88	11.10	13.05	12.68	14.55	16.10	17.37
25	17.51	17.89	17.36	17.21	16.36	13.52	11.24	13.07	12.69	14.63	16.13	17.40
26	17.54	17.88	17.30	17.22	16.35	13.26	11.31	13.03	12.74	14.70	16.16	17.43
27	17.56	17.88	17.24	17.20	16.35	13.07	11.32	12.96	12.79	14.76	16.18	17.46
28	17.58	17.90	17.19	17.23	16.33	12.94	11.41	12.90	12.86	14.82	16.21	17.50
29	17.60	17.89	17.15	17.25	---	12.85	11.50	12.85	12.97	14.88	16.25	17.53
30	17.63	17.87	17.10	17.22	---	12.70	11.53	12.81	13.03	14.94	16.29	17.56
31	17.65	---	17.07	17.23	---	12.36	---	12.80	---	15.01	16.31	---
MEAN	17.26	17.84	17.66	17.11	16.72	15.08	11.16	12.46	12.88	14.03	15.77	---
LOW	17.65	17.90	17.90	17.25	17.25	16.32	11.95	13.07	13.15	15.01	16.31	---
HIGH	16.86	17.67	17.07	16.96	16.33	12.36	10.84	11.58	12.68	13.09	15.08	---

WTR YR 2001 HIGH 10.82 APR 16, 18 LOW 17.90 NOV 15, 16, 18, 25, 28, 29, DEC 15, 16

e Estimated

415433070583302. Middleborough well MTW 82.

LOCATION.--Lat 41°54'33", long 70°58'33", Plymouth County, Hydrologic Unit 01090004, 15 ft southeast of southbound side of Interstate 495 and 435 ft southeast of Puddingshear Brook in Middleborough.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 26.5 ft, screened 24.5 to 26.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 45 ft above sea level. Measuring point: Top of casing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.50 ft below land-surface datum, Mar. 24, 1983; lowest measured, 17.58 ft below land-surface datum, Oct. 24, 1980.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	15.53	DEC 21	13.70	FEB 21	7.10	APR 24	3.77	JUN 25	9.63	AUG 28	14.99
NOV 29	15.12	JAN 25	11.14	MAR 29	2.53	MAY 24	7.48	JUL 31	13.12	SEP 26	16.16
WATER YEAR 2001	HIGHEST	2.53	MAR 29, 2001	LOWEST	16.16	SEP 26, 2001					

## GROUND-WATER LEVELS IN MASSACHUSETTS

271

## PLYMOUTH COUNTY--Continued

415453070434901. Plymouth well PWW 22.

LOCATION.--Lat 41°54'53", long 70°43'49", Plymouth County, Hydrologic Unit 01090004, 10 ft from northeast corner of main building at Plymouth Airport.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in., depth 42 ft, screened 40 to 42 ft; new well drilled at same location August 1990, diameter 2.0 in., depth 40 ft, screened 30-40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 145 ft above sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.82 ft below land-surface datum, May 26, 1958; lowest measured, 28.99 ft below land-surface datum, Jan. 28, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	23.44	DEC 28	24.81	FEB 21	24.95	APR 24	21.95	JUN 25	22.36	AUG 28	23.64
NOV 29	22.80	JAN 25	24.99	MAR 29	23.35	MAY 24	22.47	JUL 31	22.96	SEP 26	24.35
WATER YEAR 2001	HIGHEST	21.95	APR 24, 2001	LOWEST	24.99	JAN 25, 2001					

415217070393102. Plymouth well PWW 494.

LOCATION.--Lat 41°52'17", long 70°39'31", Plymouth County, Hydrologic Unit 01090002, in Myles Standish State Forest, in gravel pit 50 ft southeast of intersection of Lower College Pond Road and Crawford Road, approximately five miles northeast of South Carver.

Owner: Massachusetts Department of Environmental Management.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.5 in., depth 47 ft, screened 42 to 47 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 129 ft above sea level. Measuring point: Top of casing, 1.17 ft above land-surface datum.

PERIOD OF RECORD.--August 1985 to current year. Prior to April 1989, three random measurements.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.28 ft below land-surface datum, July 28, 1998; lowest measured, 33.23 ft below land-surface datum, Nov. 24, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	30.09	DEC 21	30.64	FEB 21	30.73	APR 24	28.25	JUN 25	28.19	AUG 28	28.77
NOV 28	30.42	JAN 25	30.76	MAR 29	29.28	MAY 24	28.30	JUL 31	28.48	SEP 26	29.19
WATER YEAR 2001	HIGHEST	28.19	JUN 25, 2001	LOWEST	30.76	JAN 25, 2001					

414518070435701. Wareham well WFW 51.

LOCATION.--Lat 41°45'18", long 70°43'57", Plymouth County, Hydrologic Unit 01090002, 50 ft east of U.S. Highway 6 and 100 ft north of Exxon service station in Wareham.

Owner: Private owner.

AQUIFER.--Glacial outwash of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 9.65 ft, cased with tile to 9.65 ft, open end. Prior to September 1980, well depth was 12.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 21 ft above sea level. Measuring point: Top edge of tile casing, 2.3 ft above land-surface datum.

PERIOD OF RECORD.--July 1959 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.34 ft below land-surface datum, Jan. 26, 1978; lowest measured, dry, several months in water years 1980-84.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	9.78	DEC 21	9.31	FEB 21	8.54	APR 24	5.14	JUN 25	6.26	AUG 28	8.02
NOV 28	9.88	JAN 25	9.04	MAR 29	6.29	MAY 24	6.58	JUL 31	7.43	SEP 26	8.66
WATER YEAR 2001	HIGHEST	5.14	APR 24, 2001	LOWEST	9.88	NOV 28, 2000					

## GROUND-WATER LEVELS IN MASSACHUSETTS

## WORCESTER COUNTY

422125071440101. Boylston well BKW 87.

LOCATION.--Lat 42°21'25", long 71°44'01", Worcester County, Hydrologic Unit 01070004, about 200 ft south of French Road and 30 ft west of State Route 70 in Boylston, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial till of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 12.2 ft, screened 2.2 to 12.2 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 475 ft above sea level. Measuring point: Top of casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.84 ft below land-surface datum, Jan. 29, 1996; lowest measured, dry, July 26, Aug. 26, Sept. 22, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	8.22	DEC 28	5.54	FEB 26	5.77	APR 25	5.25	JUN 26	7.08	AUG 23	9.75
NOV 28	6.04	JAN 29	7.44	MAR 26	1.34	MAY 29	8.07	JUL 25	8.81		
WATER YEAR 2001	HIGHEST	1.34	MAR 26, 2001	LOWEST	9.75	AUG 23, 2001					

422058072085501. Hardwick well HHW 1.

LOCATION.--Lat 42°20'58", long 72°08'55", Worcester County, Hydrologic Unit 01080204, 30 ft southeast of State Highway 32 and 0.6 mi southwest of Hardwick Road in Hardwick.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 33.2 ft, screened 31.2 to 33.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 580 ft above sea level. Measuring point: Top of casing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.17 ft below land-surface datum, Apr. 24, 2000; lowest measured, 17.77 ft below land-surface datum, Nov. 22, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	15.07	DEC 24	14.08	FEB 21	15.10	APR 24	10.97	JUN 26	12.92	AUG 26	15.26
NOV 22	15.07	JAN 23	15.17	MAR 27	9.52	MAY 22	13.97	JUL 24	14.59	SEP 25	15.68
WATER YEAR 2001	HIGHEST	9.52	MAR 27, 2001	LOWEST	15.68	SEP 25, 2001					

422020072145901. Hardwick well HHW 31.

LOCATION.--Lat 42°20'20", long 72°14'59", Worcester County, Hydrologic Unit 01080204, 5 ft north of Patrill Hollow Road and approximately 250 ft west of Muddy Brook in Hardwick.

Owner: Town of Hardwick.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 71.0 ft, screened 67.0 ft to 71.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 490 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.91 ft below land-surface datum, Apr. 5, 2001; lowest measured, 12.34 ft below land-surface datum, Nov. 21, 1997.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	11.18	DEC 27	11.02	FEB 20	11.04	APR 25	9.91	JUN 25	10.86	AUG 20	11.45
NOV 27	12.03	JAN 23	11.14	MAR 27	10.49	MAY 21	10.73	JUL 19	11.09	SEP 25	11.30
WATER YEAR 2001	HIGHEST	9.91	APR 25, 2001	LOWEST	12.03	NOV 27, 2000					

## WORCESTER COUNTY--Continued

422102071501401. Holden well HRW 169.

LOCATION.--Lat 42°21'02", long 71°50'14", Worcester County, Hydrologic Unit 01070004, about 50 ft west of intersection of Union and Malden Streets in Holden, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial till of pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well with well pipe inserted, diameter 2.0 in., depth 10.5 ft, screened 0.5 to 10.5 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 670 ft above sea level. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft below land-surface datum, June 30, 1998; lowest measured, 7.97 ft below land-surface datum, Sept. 22, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	5.30	DEC 22	3.40	FEB 26	3.03	APR 25	0.70	JUN 26	2.00	AUG 23	5.15
NOV 27	4.75	JAN 29	4.73	MAR 26	.60	MAY 30	1.40	JUL 25	3.51	SEP 25	6.93
WATER YEAR 2001	HIGHEST	0.60	MAR 26, 2001	LOWEST	6.93	SEP 25, 2001					

420610071421402. Northbridge well NXW 54.

LOCATION.--Lat 42°06'10", long 71°42'14", Worcester County, Hydrologic Unit 01090003, about 100 ft northeast of the intersection of State Highway 146 and Main Street in Northbridge.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in., depth 12 ft, screened 10 to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 370 ft above sea level. Measuring point: Top of casing, 2.87 ft above land-surface datum, 2.0 ft prior to September 1992.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.02 ft below land-surface datum, June 27, 1998; lowest measured, 5.14 ft below land-surface datum, Oct. 22, 1986.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.52	DEC 24	4.14	FEB 21	4.09	APR 24	3.57	JUN 26	3.87	AUG 26	4.42
NOV 22	4.43	JAN 23	4.40	MAR 27	3.29	MAY 22	3.96	JUL 24	4.14	SEP 25	4.60
WATER YEAR 2001	HIGHEST	3.29	MAR 27, 2001	LOWEST	4.60	SEP 25, 2001					

422906072124301. Petersham well PHW 16.

LOCATION.--Lat 42°29'06", long 72°12'43", Worcester County, Hydrologic Unit 01080204, 0.6 mi east of West Street Cemetery, 500 ft south of West Street, and 100 ft west of access road in Petersham.

Owner: Private owner.

AQUIFER.--Glacial sand and gravel of the Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0-inch PVC, depth 39.0 ft, screened 29.0 to 39.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 790 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.71 ft below land-surface datum, June 5, 1984; lowest measured, 16.53 ft below land-surface datum, Oct. 24, 1984.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	15.03	DEC 27	13.87	FEB 20	14.60	APR 25	6.76	JUN 25	13.80	AUG 20	15.42
NOV 27	14.64	JAN 23	14.19	MAR 27	12.89	MAY 21	13.30	JUL 19	14.67	SEP 25	16.11
WATER YEAR 2001	HIGHEST	6.76	APR 25, 2001	LOWEST	16.11	SEP 25, 2001					

GROUND-WATER LEVELS IN MASSACHUSETTS

WORCESTER COUNTY--Continued

422636071503601. Princeton well PYW 64.

LOCATION.--Lat 42°26'36", long 71°50'36", Worcester County, Hydrologic Unit 01070004, on north side of State Rt 62 and about 100 ft east of Thomas Prince School in Princeton, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial sand and gravel of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 21.9 ft, screened 11.9 to 21.9 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 695 ft above sea level. Measuring point: Top of casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.95 ft below land-surface datum, Jan. 29, 1996; lowest measured, dry, Aug. 28, Sept. 22, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 27	17.08	JAN 29	17.66	MAR 26	10.40	MAY 30	17.10	JUL 25	17.56	AUG 23	18.47
DEC 22	15.97	FEB 26	16.88	APR 25	11.86	JUN 26	16.45				
WATER YEAR 2001		HIGHEST	10.40	MAR 26, 2001		LOWEST	18.47	AUG 23, 2001			

421851071312601. Southborough well SSW 12.

LOCATION.--Lat 42°18'51", long 71°31'26", Worcester County, Hydrologic Unit 01070005, 50 ft north of Overlook Drive circle, approximately .75 mile northeast of Southborough center.

Owner: Town of Southborough.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Drive-washed observation water-table well, diameter 1.25 in., depth 20 ft, screened 18 to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 450 ft above sea level. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--July 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.84 ft below land-surface datum, Apr. 1, 1993; lowest measured, 15.74 ft below land-surface datum, Sept. 29, 1993.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	11.98	DEC 26	3.16	FEB 22	2.31	APR 23	3.56	JUN 25	4.84	AUG 31	11.83
NOV 27	9.44	JAN 22	5.68	MAR 28	1.71	MAY 23	7.25	JUL 26	8.92	SEP 27	13.81
WATER YEAR 2001		HIGHEST	1.71	MAR 28, 2001		LOWEST	13.81	SEP 27, 2001			

422805071480801. Sterling well SYW 1.

LOCATION.--Lat 42°28'05", long 71°48'08", Worcester County, Hydrologic Unit 01070004, 45 ft northeast of Justice Hill Road and 0.8 mi west of South Nelson Road in Sterling.

Owner: Private owner.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 15 ft, cased with stone to 15 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 710 ft above sea level. Measuring point: Top edge of angle iron, at land-surface datum.

PERIOD OF RECORD.--May 1947 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.45 ft below land-surface datum, Feb. 25, 2000; dry, Nov. 28, 1964.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.46	DEC 24	2.77	FEB 21	2.66	APR 24	2.75	JUN 26	3.59	AUG 26	10.02
NOV 22	5.26	JAN 23	3.55	MAR 25	1.65	MAY 22	5.17	JUL 24	6.99	SEP 25	10.19
WATER YEAR 2001		HIGHEST	1.65	MAR 25, 2001		LOWEST	10.19	SEP 25, 2001			



## WORCESTER COUNTY--Continued

422520071483001. Sterling well SYW 177.

LOCATION.--Lat 42°25'20", long 71°48'30", Worcester County, Hydrologic Unit 01070004, 20 ft east of State Route 140 and 200 ft northwest of Fox Run Road in Sterling, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial sand and gravel of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 24.4 ft, screened 14.4 to 24.4 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 505 ft above sea level. Measuring point: Top of casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.40 ft below land-surface datum, Jan. 29, 1996; lowest measured, 16.17 ft below land-surface datum, Sept. 29, 2000.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	15.24	DEC 22	14.24	FEB 26	14.60	APR 25	13.75	JUN 26	14.55	AUG 23	15.08
NOV 27	14.82	JAN 29	14.87	MAR 26	12.85	MAY 30	14.60	JUL 25	14.82	SEP 25	15.40
WATER YEAR 2001	HIGHEST	12.85	MAR 26, 2001	LOWEST	15.40	SEP 25, 2001					

23717072043101. Templeton well TMW 3.

LOCATION.--Lat 42°37'17", long 72°04'31", Worcester County, Hydrologic Unit 01080202, 60 ft east of U.S. Highway 202 and 0.2 mi south of Winchendon town line in Templeton.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 14 ft, screened 12 to 14 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 900 ft above sea level. Measuring point: Top of casing, 4.2 ft above land-surface datum.

PERIOD OF RECORD.--December 1957 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.99 ft below land-surface datum, Jan. 25, 1996; lowest measured, 5.10 ft below land-surface datum, Sept. 29, 1964.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.81	DEC 24	2.74	FEB 21	3.64	APR 24	2.73	JUN 26	3.88	AUG 26	4.43
NOV 22	3.73	JAN 23	3.82	MAR 27	2.78	MAY 22	3.71	JUL 24	4.03	SEP 25	4.30
WATER YEAR 2001	HIGHEST	2.73	APR 24, 2001	LOWEST	4.43	AUG 26, 2001					

420314071514001. Webster well WLW 1.

LOCATION.--Lat 42°03'14", long 71°51'40", Worcester County, Hydrologic Unit 01100001, 100 ft east of State Highway 52 and 100 ft south of Memorial Beach Drive in Webster.

Owner: Town of Webster.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in., depth 27.0 ft, cased to 27.0 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 500 ft above sea level. Measuring point: Top of casing, 3.4 ft above land-surface datum.

PERIOD OF RECORD.--September 1958 to November 1979, October 1981 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.28 ft below land-surface datum, Mar. 25, 1968; lowest measured, 17.90 ft below land-surface datum, Dec. 20, 1965.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	15.58	DEC 24	15.72	FEB 21	16.20	APR 24	13.11	JUN 26	13.20	AUG 26	14.35
NOV 22	16.54	JAN 23	16.66	MAR 27	14.05	MAY 22	14.08	JUL 24	13.94	SEP 25	15.25
WATER YEAR 2001	HIGHEST	13.11	APR 24, 2001	LOWEST	16.66	JAN 23, 2001					

GROUND-WATER LEVELS IN MASSACHUSETTS

WORCESTER COUNTY--Continued

422341071464901. West Boylston well WSW 26.

LOCATION.--Lat 42°23'41", long 71°46'49", Worcester County, Hydrologic Unit 01070004, 50 ft west of Prescott Street and about 0.2 mi south of Pleasant Street in West Boylston, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial sand and gravel of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 16.8 ft, screened 6.8 to 16.8 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 485 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.30 ft below land-surface datum, Jan. 29, 1996; lowest measured, 11.48 ft below land-surface datum, Oct. 27, 1997.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	9.08	DEC 22	5.18	FEB 26	5.84	APR 25	3.52	JUN 26	6.53	AUG 23	8.44
NOV 28	7.96	JAN 29	6.83	MAR 26	1.55	MAY 30	6.45	JUL 25	7.46	SEP 25	9.91
WATER YEAR 2001		HIGHEST	1.55	MAR 26, 2001		LOWEST	9.91	SEP 25, 2001			

422130071473601. West Boylston well WSW 27.

LOCATION.--Lat 42°21'30", long 71°47'36", Worcester County, Hydrologic Unit 01070004, 200 ft east of Prospect Street and about 500 ft south of Wachusett Country Club building in West Boylston, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial till of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 25.0 ft, screened 15.0 to 25.0 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 680 ft above sea level. Measuring point: Top of casing, 3.6 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.50 ft below land-surface datum, Jan. 29, 1996; lowest measured, 22.53 ft below land-surface datum, Sept. 22, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	19.91	DEC 22	17.40	FEB 26	17.66	APR 25	15.16	JUN 26	16.82	AUG 23	19.37
NOV 27	19.10	JAN 29	19.86	MAR 26	12.10	MAY 30	18.36	JUL 25	18.23	SEP 25	20.54
WATER YEAR 2001		HIGHEST	12.10	MAR 26, 2001		LOWEST	20.54	SEP 25, 2001			

422334071444201. West Boylston well WSW 28.

LOCATION.--Lat 42°23'34", long 71°44'42", Worcester County, Hydrologic Unit 01070004, 15 ft southeast of State Route 110 and 1.9 mi northeast of intersection of State Routes 110 and 12 in West Boylston, MA.

Owner: Metropolitan District Commission.

AQUIFER.--Glacial sand and clay of pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 29.4 ft, screened 19.4 to 29.4 ft.

INSTRUMENTATION.--Monthly or more frequent measurements with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 525 ft above sea level. Measuring point: Top of casing, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.50 ft below land-surface datum, June 30, 1997; lowest measured, 22.55 ft below land-surface datum, Aug. 26, 1999.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	17.06	NOV 28	12.66	DEC 22	10.70	JAN 29	13.37	FEB 26	11.25	MAR 26	7.68
APR 25	11.80	MAY 30	13.98	JUN 26	12.23	JUL 25	15.51	AUG 23	17.61	SEP 25	20.03
WATER YEAR 2001		HIGHEST	7.68	MAR 26, 2001		LOWEST	20.03	SEP 25, 2001			

## WORCESTER COUNTY--Continued

421410072081301. West Brookfield well WUW 2.

LOCATION.--Lat 42°14'10", long 72°08'13", Worcester County, Hydrologic Unit 01080204, about 50 ft north of State Highway 9 and about 500 ft south of State Highway 67 in West Brookfield.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 1.25 in., depth 43.0 ft, screened 40 to 43 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 630 ft above sea level. Measuring point: Top of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--October 1959 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.79 ft below land-surface datum, May 22, 1983; lowest measured, 23.63 ft below land-surface datum, Feb. 21, 1966.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	19.23	DEC 24	19.29	MAR 27	19.52	MAY 22	18.37	JUL 24	18.73	SEP 25	19.56
NOV 22	19.56	JAN 23	19.88	APR 24	18.33	JUN 26	18.47	AUG 26	19.13		
WATER YEAR 2001		HIGHEST	18.33	APR 24, 2001		LOWEST	19.88	JAN 23, 2001			

421522072113401. West Brookfield well WUW 10.

LOCATION.--Lat 42°15'22", long 72°11'34", Worcester County, Hydrologic Unit 01080204, 15 ft east of Coy Hill Road and 1,850 ft south of State Highway 9 in West Brookfield.

Owner: The Commonwealth of Massachusetts Department of Public Works.

AQUIFER.--Brimfield schist.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.5 in., depth 64.5 ft, cased to 40 ft, open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 833.23 ft above sea level. Measuring point: Top of casing, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.32 ft below land-surface datum, Mar. 25, 1994; lowest measured, 12.63 ft below land-surface datum, Oct. 23, 1997.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	9.15	DEC 24	6.84	FEB 21	7.67	APR 24	2.27	JUN 26	4.63	AUG 26	8.97
NOV 22	8.54	JAN 23	8.21	MAR 27	2.59	MAY 22	5.80	JUL 24	7.38		
WATER YEAR 2001		HIGHEST	2.27	APR 24, 2001		LOWEST	9.15	OCT 27, 2000			

424204072015201. Winchendon well XNW 13.

LOCATION.--Lat 42°42'04", long 72°01'52", Worcester County, Hydrologic Unit 01080202, about 50 ft east of Forristall Road, 0.2 mi north of Elmwood Road, and 1.6 mi northeast of Winchendon.

Owner: Private owner.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 12 ft, cased with stone to 12 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 1,209.36 ft above sea level. Measuring point: Top of extension pipe, 3.8 ft above land-surface datum.

PERIOD OF RECORD.--October 1939 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.86 ft below land-surface datum, Mar. 20, 1948; lowest measured, 13.50 ft below land-surface datum, Nov. 19, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.36	DEC 24	5.17	FEB 21	6.11	APR 24	3.27	JUN 26	6.44	AUG 26	10.61
NOV 22	6.70	JAN 23	7.02	MAR 27	3.50	MAY 22	6.02	JUL 24	7.88	SEP 25	11.74
WATER YEAR 2001		HIGHEST	3.27	APR 24, 2001		LOWEST	11.74	SEP 25, 2001			

GROUND-WATER LEVELS IN MASSACHUSETTS

WORCESTER COUNTY--Continued

421538071451301. Worcester well XSW 274.

LOCATION.--Lat 42°15'38", long 71°45'13", Worcester County, Hydrologic Unit 01090003, about 300 ft north of Hamilton Street and about 300 ft east of North Lake Avenue in Worcester.

Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2.0 in., depth 54.6 ft, screened 52.6 to 54.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 400 ft above sea level. Measuring point: Top of casing, 3.0 ft above land-surface datum.

REMARKS.--Water levels affected by Lake Quinsigamond.

PERIOD OF RECORD.--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.23 ft below land-surface datum, Mar. 27, 1972; lowest measured, 24.70 ft below land-surface datum, Oct. 26, 1983.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	23.86	DEC 24	23.44	FEB 21	23.53	APR 24	23.28	JUN 26	23.50	AUG 26	23.87
NOV 22	23.72	JAN 23	23.65	MAR 25	22.35	MAY 22	23.66	JUL 24	23.84	SEP 25	23.99
WATER YEAR 2001	HIGHEST	22.35	MAR 25, 2001	LOWEST	23.99	SEP 25, 2001					

## GROUND-WATER LEVELS IN RHODE ISLAND

279

## KENT COUNTY

414223071453701. Coventry well COW 342.

LOCATION.--Lat 41°42'23", long 71°45'37", Kent County, Hydrologic Unit 01090004, town of Coventry, Plainfield Pike. (Rt. 14) 1/4 mile from intersection with Rt. 117.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 13.1 ft, cased with stone to 13.1 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 380 ft. Measuring point: Top of well casing, 0.29 ft above land-surface datum; 1.89 ft above land-surface datum prior to Aug. 24, 2000.

PERIOD OF RECORD.--October 1953 to December 1961, December 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.20 ft below land-surface datum, Dec. 22, 1992; lowest measured, 11.91 ft below land-surface datum, Aug. 24, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.88	DEC 26	9.04	FEB 22	8.89	APR 27	7.61	JUN 21	7.31	AUG 20	10.56
NOV 21	10.49	JAN 29	9.85	MAR 28	6.17	MAY 24	9.08	JUL 31	10.25	SEP 24	11.05
WATER YEAR 2001	HIGHEST	6.17	MAR 28, 2001	LOWEST	11.05	SEP 24, 2001					

414022071332801. Coventry well COW 411.

LOCATION.--Lat 41°40'22", long 71°33'28", Kent County, Hydrologic Unit 01090004, town of Coventry, about 75 ft west of house on Powhattan Avenue, 1.3 mi southeast of Washington.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 26 ft, cased with concrete to 26 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 260 ft. Measuring point: Hole in top of concrete cover, 1.24 ft above land-surface datum.

PERIOD OF RECORD.--October 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.43 ft below land-surface datum, Apr. 23, 1983; dry on Oct. 25, 1986.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	22.84	DEC 27	22.34	FEB 23	22.07	APR 27	19.48	JUN 21	19.83	AUG 20	22.00
NOV 21	23.00	JAN 29	22.59	MAR 28	19.77	MAY 24	21.04	JUL 31	21.48	SEP 26	22.51
WATER YEAR 2001	HIGHEST	19.48	APR 27, 2001	LOWEST	23.00	NOV 21, 2000					

414315071410701. Coventry well COW 466.

LOCATION.--Lat 41°43'15", long 71°41'07", Kent County, Hydrologic Unit 01090004, town of Coventry, Audubon Society, Parker Woodland. Maple Valley Road at Flat River.

Owner: Audobon Society.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 17.8 ft, cased to 7.6 ft, screened from 7.6 ft to 17.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 345 ft. Measuring point: Notch in PVC casing, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.91 ft below land-surface datum, Nov. 20, 1995; lowest measured, 5.35 ft below land-surface datum, Aug. 24, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	3.68	DEC 27	2.77	FEB 27	2.64	APR 23	2.69	JUN 27	2.81	AUG 29	3.95
NOV 22	3.11	JAN 22	2.85	MAR 19	2.45	MAY 29	2.67	JUL 25	4.20	SEP 24	4.36
WATER YEAR 2001	HIGHEST	2.45	MAR 19, 2001	LOWEST	4.36	SEP 24, 2001					

GROUND-WATER LEVELS IN RHODE ISLAND

KENT COUNTY--Continued

414106071223901. Warwick well WCW 59.

LOCATION.--Lat 41°41'06", long 71°22'39", Kent County, Hydrologic Unit 01090004, town of Warwick, Warwick Neck, Our Lady of Providence Seminary. Former Senator Aldrich mansion. Next to Rocky Point Amusement Park.

Owner: Our Lady of Providence Seminary.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 27.0 ft, cased with stone to 27.0 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 125 ft. Measuring point: Spray painted arrow on rock, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1949 to December 1955, November 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.46 ft below land-surface datum, Feb. 20, 1993; lowest measured, 24.77 ft below land-surface datum, Oct. 31, 1949.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	11.11	DEC 26	4.87	FEB 22	4.76	APR 27	4.87	JUN 21	4.63	AUG 20	11.63
NOV 21	9.99	JAN 29	4.99	MAR 28	4.46	MAY 24	6.04	JUL 31	9.70	SEP 24	13.92
WATER YEAR 2001	HIGHEST	4.46	MAR 28, 2001	LOWEST	13.92	SEP 24, 2001					

413907071465001. West Greenwich well GWG 181.

LOCATION.--Lat 41°39'07", long 71°46'50", Kent County, Hydrologic Unit 01090005, town of West Greenwich, about 50 ft from southeast corner of a house 1.3 mi north of intersection of Hazard and Muddy Brook Roads, and 1.8 mi northwest of West Greenwich Center.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 18.5 ft, lined with stone to 18.5 ft, shored.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 380 ft. Measuring point: Hole in top of concrete cover, 0.54 ft above land-surface datum.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.15 ft below land-surface datum, Jan. 27, 1979; lowest measured, 17.78 ft below land-surface datum, Dec. 22, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	16.65	DEC 26	14.78	FEB 22	15.12	APR 27	14.88	JUN 21	13.72	AUG 20	16.33
NOV 21	16.51	JAN 29	16.02	MAR 28	13.34	MAY 24	15.89	JUL 31	16.13	SEP 24	16.58
WATER YEAR 2001	HIGHEST	13.34	MAR 28, 2001	LOWEST	16.65	OCT 26, 2000					

413645071332901. West Greenwich well GWG 206.

LOCATION.--Lat 41°36'45", long 71°33'29", Kent County, Hydrologic Unit 01090004, town of West Greenwich, Hopkins Hill Road.

Owner: Private owner.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 9.6 ft, cased with stone to 9.6 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 374.26 ft. Measuring point: Spray painted arrow on rock, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--October 1955 to June 1960, January 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft below land-surface datum, Oct. 17, 1955; lowest measured, dry, Aug. 26, Sept. 22, Oct. 25, 1993, Sept. 27, 1995, Oct. 23, 1997.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.77	DEC 27	4.11	FEB 23	4.01	APR 27	3.94	JUN 21	3.82	AUG 20	5.18
NOV 21	5.23	JAN 29	4.28	MAR 28	3.64	MAY 24	3.86	JUL 31	5.03	SEP 26	5.32
WATER YEAR 2001	HIGHEST	3.64	MAR 28, 2001	LOWEST	5.77	OCT 27, 2000					

## GROUND-WATER LEVELS IN RHODE ISLAND

281

## NEWPORT COUNTY

413220071115501. Little Compton well LTW 142.

LOCATION.--Lat 41°32'20", long 71°11'55", Newport County, Hydrologic Unit 01090004, town of Little Compton, East of Rt. 77 at intersection with Old Main Road.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 23.1 ft, cased to 12.9 ft, screened from 12.9 ft to 22.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 100 ft. Measuring point: Notch in PVC casing, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.23 ft below land-surface datum, Jan. 22, 1996; lowest measured, dry, Aug. 25, Sept. 29, Oct. 26, Dec. 2, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	16.52	DEC 22	10.14	FEB 28	10.85	APR 26	9.32	JUN 28	12.93	AUG 28	16.90
NOV 28	17.23	JAN 22	10.65	MAR 19	6.42	MAY 30	15.82	JUL 26	16.74	SEP 26	18.43
WATER YEAR 2001		HIGHEST	6.42	MAR 19, 2001		LOWEST	18.43	SEP 26, 2001			

413325071152401. Portsmouth well POW 551.

LOCATION.--Lat 41°33'25", long 71°15'24", Newport County, Hydrologic Unit 01090004, town of Portsmouth, State police barracks, Portsmouth Terrace on East Main St. (Rt. 138); just south of Union St.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 51.9 ft, cased to 41.7 ft, screened from 41.7 ft to 51.1 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 245 ft. Measuring point: Notch in PVC casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.42 ft below land-surface datum, Mar. 21, 2000; lowest measured, dry, Sept. 29, Oct. 26, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	41.73	DEC 22	32.58	FEB 26	33.41	APR 25	31.05	JUN 26	37.15	AUG 30	44.61
NOV 24	43.64	JAN 22	35.46	MAR 19	25.48	MAY 30	40.72	JUL 25	42.77	SEP 25	46.62
WATER YEAR 2001		HIGHEST	25.48	MAR 19, 2001		LOWEST	46.62	SEP 25, 2001			

413442071093801. Tiverton well TIW 274.

LOCATION.--Lat 41°34'42", long 71°09'38", Newport County, Hydrologic Unit 01090004, town of Tiverton, 305 Lake Road. Owner: Private owner.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 36 in., depth 13.18 ft, cased with concrete to 13.18 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 160 ft. Measuring point: Spray painted arrow on cross beam, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--December 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.44 ft below land-surface datum, Feb. 24, 1994; lowest measured, 13.61 ft below land-surface datum, June. 26, 2000.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.60	DEC 22	0.83	FEB 28	0.94	APR 26	1.82	JUL 26	5.70	SEP 27	8.29
NOV 28	3.16	JAN 22	1.11	MAR 19	1.09	MAY 30	1.92	AUG 28	7.02		
WATER YEAR 2001		HIGHEST	0.83	DEC 22, 2000		LOWEST	8.29	SEP 27, 2001			

## GROUND-WATER LEVELS IN RHODE ISLAND

## PROVIDENCE COUNTY

415710071402201. Burrillville well BUW 187.

LOCATION.--Lat 41°57'10", long 71°40'22", Providence County, Hydrologic Unit 01090003, town of Burrillville, 25 ft east of road and 75 ft southwest of a house 0.6 mi north of intersection of Harrisville and Lapham Farm Roads, and 0.9 mi south of Harrisville.

Owner: Brothers of the Sacred Heart.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 19.8 ft, lined with stone to 19.8 ft, shored.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 462 ft. Measuring point: Hole in top of concrete cover, 0.58 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.74 ft below land-surface datum, Apr. 23, 1983; lowest measured, 18.83 ft below land-surface datum, Nov. 3, 1970.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	16.67	DEC 26	15.85	FEB 22	15.55	APR 27	14.09	JUN 21	15.01	AUG 20	16.20
NOV 21	16.36	JAN 29	15.88	MAR 28	15.26	MAY 24	14.97	JUL 31	15.92	SEP 24	16.78
WATER YEAR 2001	HIGHEST	14.09	APR 27, 2001	LOWEST	16.78	SEP 24, 2001					

415546071474701. Burrillville well BUW 395.

LOCATION.--Lat 41°55'46", long 71°47'47", Providence County, Hydrologic Unit 01100001, town of Burrillville, Pulaski Memorial State Park, near southeast corner of parking area #3.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 17.7 ft, cased to 7.8 ft, screened from 7.8 ft to 17.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 575 ft. Measuring point: Notch in PVC casing, 1.1 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.04 ft below land-surface datum, Mar. 28, 1994; lowest measured, dry, Sept. 26, 1995.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.77	DEC 26	8.12	FEB 28	7.19	APR 23	6.12	JUN 25	6.54	AUG 30	9.93
NOV 27	10.14	JAN 25	8.20	MAR 26	5.22	MAY 30	7.68	JUL 27	10.66	SEP 26	10.96
WATER YEAR 2001	HIGHEST	5.22	MAR 26, 2001	LOWEST	10.96	SEP 26, 2001					

4158470711471401. Burrillville well BUW 396.

LOCATION.--Lat 41°58'47", long 71°47'14", Providence County, Hydrologic Unit 01100001, town of Burrillville, Buck Hill Road, 0.3 miles West of Wakefield Road; north side of road at turn-out, near stream. Near power-line pole #64.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 17.4 ft, cased to 7.2 ft, screened from 7.2 ft to 16.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 530 ft. Measuring point: Notch in PVC casing, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.32 ft below land-surface datum, Mar. 28, 1994; lowest measured, 7.65 ft below land-surface datum, Aug. 25, 1999.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.62	DEC 26	5.35	FEB 27	5.25	APR 24	5.01	JUN 26	5.41	AUG 30	5.66
NOV 24	6.12	JAN 24	5.60	MAR 27	4.15	MAY 30	5.87	JUL 27	5.80	SEP 26	5.46
WATER YEAR 2001	HIGHEST	4.15	MAR 27, 2001	LOWEST	6.62	OCT 24, 2000					



## GROUND-WATER LEVELS IN RHODE ISLAND

283

## PROVIDENCE COUNTY--Continued

415606071462201. Burrillville well BUW 397.

LOCATION.--Lat 41°56'06", long 71°46'22", Providence County, Hydrologic Unit 01100001, town of Burrillville, Pulaski Memorial State Park, Center Trail, east of buw 395.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 25.6 ft, cased to 15.2 ft, screened from 15.2 ft to 24.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 705 ft. Measuring point: Notch in PVC casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.00 ft below land-surface datum, Mar. 28, 1994; lowest measured, dry, several times in water years 1993, 1998, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	23.30	DEC 26	23.64	FEB 27	18.50	APR 23	9.85	JUN 28	17.08	AUG 30	21.35
NOV 27	DRY	JAN 24	19.90	MAR 26	9.34	MAY 30	16.37	JUL 27	20.69	SEP 26	22.35
WATER YEAR 2001	HIGHEST	9.34	MAR 26, 2001	LOWEST	23.64	DEC 26, 2000					

415559071471201. Burrillville well BUW 398.

LOCATION.--Lat 41°55'59", long 71°47'12", Providence County, Hydrologic Unit 01100001, town of Burrillville, Pulaski Park, Center Trail.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 13.5 ft, cased to 3.3 ft, screened from 3.3 ft to 12.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 615 ft. Measuring point: Notch in PVC casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.65 ft below land-surface datum, Mar. 28, 1994; lowest measured, dry, several times in water year 1998.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.81	DEC 26	8.32	FEB 27	8.20	APR 23	6.76	JUN 28	7.90	AUG 30	10.92
NOV 27	11.29	JAN 24	8.66	MAR 26	3.34	MAY 30	8.70	JUL 27	9.42	SEP 26	12.30
WATER YEAR 2001	HIGHEST	3.34	MAR 26, 2001	LOWEST	12.30	SEP 26, 2001					

414448071323001. Cranston well CRW 439.

LOCATION.--Lat 41°44'48", long 71°32'30", Providence County, Hydrologic Unit 01090004, town of Cranston, J.L. Curran Park, west side of Laten Knight Road, 0.3 miles north of Hope Road.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 23.1 ft, cased to 12.9 ft, screened from 12.9 ft to 22.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 395 ft. Measuring point: Notch in PVC casing, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.57 ft below land-surface datum, Mar. 24, 1998; lowest measured, dry, Oct. 26, Nov. 29, 1994.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.73	DEC 21	18.42	FEB 27	12.60	APR 23	6.25	JUN 27	12.10	AUG 29	18.69
NOV 22	19.88	JAN 23	15.37	MAR 19	11.04	MAY 29	12.75	JUL 25	16.14	SEP 24	19.44
WATER YEAR 2001	HIGHEST	6.25	APR 23, 2001	LOWEST	19.88	NOV 22, 2000					

## GROUND-WATER LEVELS IN RHODE ISLAND

## PROVIDENCE COUNTY--Continued

415626071254601. Cumberland well CUW 265.

LOCATION.--Lat 41°56'26", long 71°25'46", Providence County, Hydrologic Unit 01090003, town of Cumberland, at 27 Scott Street, 900 ft northeast of intersection of Scott Street and Mendon Road in Ashton.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 20 ft, lined with stone to 20 ft, shored.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 130 ft. Measuring point: Hole in wooden cover, 0.06 ft above land-surface datum.

PERIOD OF RECORD.--August 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.20 ft below land-surface datum, Jan. 27, 1979; lowest measured, 17.20 ft below land-surface datum, Sept. 29, 1949.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	14.60	DEC 26	10.56	FEB 22	10.96	APR 27	11.81	JUN 21	11.39	AUG 20	13.85
NOV 21	12.93	JAN 29	11.76	MAR 28	9.57	MAY 21	13.14	JUL 31	13.92	SEP 24	14.99
WATER YEAR 2001	HIGHEST	9.57	MAR 28, 2001	LOWEST	14.99	SEP 24, 2001					

414420071422301. Foster well FOW 40.

LOCATION.--Lat 41°44'20", long 71°42'23", Providence County, Hydrologic Unit 01090004, town of Foster, Plainfield Pike..

Owner: Private owner.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 48 in., depth 15.4 ft, cased with stone to 15.4 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 630 ft. Measuring point: Spray painted arrow top of casing, 0.40 ft. above land-surface datum.

PERIOD OF RECORD.--July 1953 to February 1959, April 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.29 ft below land-surface datum, May 27, 1954; lowest measured, 13.97 ft below land-surface datum, Oct. 28, 1957.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.55	DEC 26	3.62	FEB 22	3.21	APR 27	4.60	JUN 21	3.64	AUG 20	9.34
NOV 21	5.55	JAN 29	4.45	MAR 28	3.10	MAY 24	6.52	JUL 31	8.87	SEP 24	10.40
WATER YEAR 2001	HIGHEST	3.10	MAR 28, 2001	LOWEST	10.40	SEP 24, 2001					

414357071405101. Foster well FOW 290.

LOCATION.--Lat 41°43'57", long 71°40'51", Providence County, Hydrologic Unit 01090004, town of Foster, Parker Woodland, Audobon Society. Pig Hill Road, 1 mile north of Maple Valley Road.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 15.4 ft, cased to 5.2 ft, screened from 5.2 ft to 14.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 345 ft. Measuring point: Notch in PVC casing, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.36 ft below land-surface datum, Mar. 28, 1994; lowest measured, dry, several times in water years 1993, 1994, and 1998.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	14.15	DEC 27	8.59	FEB 27	6.37	APR 23	4.25	JUN 27	5.69	AUG 29	11.89
NOV 22	13.82	JAN 22	8.14	MAR 19	4.95	MAY 29	5.84	JUL 25	8.89	SEP 24	14.00
WATER YEAR 2001	HIGHEST	4.25	APR 23, 2001	LOWEST	14.15	OCT 25, 2000					

## GROUND-WATER LEVELS IN RHODE ISLAND

285

## PROVIDENCE COUNTY--Continued

415437071242201. Lincoln well LIW 84.

LOCATION.--Lat 41°54'37", long 71°24'22", Providence County, Hydrologic Unit 0190003, town of Lincoln, at north side of Maplehurst Farms building, and 800 ft west of Blackstone River bridge in Lonsdale.

Owner: Maplehurst Farms, Inc.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in., depth 107 ft, cased to 107 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 60 ft. Measuring point: Inside lower lip of 8-inch pipe, 3.32 ft above land-surface datum.

REMARKS.--Water level affected by Blackstone River floods.

PERIOD OF RECORD.--June 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.97 ft above land-surface datum, Jan. 28, 1976, lowest measured, 7.36 ft below land-surface datum, Aug. 24, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.44	DEC 26	4.83	FEB 22	5.10	APR 27	4.62	JUN 21	3.36	AUG 20	5.25
NOV 21	5.35	JAN 29	5.56	MAR 28	2.17	MAY 24	4.94	JUL 31	5.49	SEP 24	5.67
WATER YEAR 2001		HIGHEST	2.17	MAR 28, 2001		LOWEST	5.67	SEP 24, 2001			

415948071325001 North Smithfield well NSW 21.

LOCATION.--Lat 41°59'48", long 71°32'50", Providence County, Hydrologic Unit 1090003, town of North Smithfield, 500 ft southwest of State Highway 146A, 900 ft west of intersection of State Highway 146A and Harkness Road at Branch Village.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug domestic water-table well, diameter 24 in., depth 16 ft, cased with tile to 16 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Land-surface datum is 238.68 ft above sea level. Measuring point: Hole in concrete cover at top of tile casing, 1.84 ft below land-surface datum.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft below land-surface datum, Mar. 26, 1969; lowest measured, 11.71 ft below land-surface datum, Oct. 28, 1957.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.49	DEC 26	7.57	FEB 22	6.60	APR 27	6.83	JUN 21	5.49	AUG 20	8.95
NOV 21	8.45	JAN 29	7.84	MAR 28	4.51	MAY 24	8.23	JUL 31	8.80	SEP 24	9.77
WATER YEAR 2001		HIGHEST	4.51	MAR 28, 2001		LOWEST	9.77	SEP 24, 2001			

414746071255601. Providence well PRW 48.

LOCATION.--Lat 41°47'46", long 71°25'56", Providence County, Hydrologic Unit 01090004, city of Providence, at 333 Adelaide Avenue, and 800 ft northwest of Adelaide and 800 ft west of Narragansett Avenues.

Owner: Gorham Division of Textron.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 124 ft, cased to 116 ft, screened 116 to 124 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Land-surface datum is 45.79 ft, above sea level. Measuring point: Top edge of hole in center of steel cover, 0.48 ft below land-surface datum.

REMARKS.--Water level affected by pumping from one or more nearby wells.

PERIOD OF RECORD.--December 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.78 ft below land-surface datum, Apr. 23, 1983; lowest measured, 10.22 ft below land-surface datum, Oct. 20, 1947.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.95	DEC 26	4.49	FEB 22	4.74	APR 27	3.84	JUN 21	3.65	AUG 20	4.46
NOV 21	4.97	JAN 29	4.83	MAR 28	3.89	MAY 24	3.97	JUL 31	4.48	SEP 24	4.69
WATER YEAR 2001		HIGHEST	3.65	JUN 21, 2001		LOWEST	4.97	NOV 21, 2000			

## GROUND-WATER LEVELS IN RHODE ISLAND

## WASHINGTON COUNTY

412214071394001. Charlestown well CHW 18.

LOCATION.--Lat 41°22'14", long 71°39'40", Washington County, Hydrologic Unit 01090005, town of Charlestown, 1,900 ft southeast of U.S. Highway 1, at former U.S. Navy Auxiliary Air Station.

Owner: U.S. General Services Administration.

AQUIFER.--Sand and clay of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in., depth 32 ft, cased to 32 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 26 ft. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--October 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.09 ft below land-surface datum, Apr. 23, 1983; lowest measured, 21.63 ft below land-surface datum, Dec. 29, 1965.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.88	DEC 27	18.05	FEB 23	17.13	APR 27	13.70	JUN 21	15.92	AUG 20	18.42
NOV 21	19.67	JAN 29	18.14	MAR 28	13.68	MAY 24	16.31	JUL 31	17.61	SEP 26	19.53
WATER YEAR 2001	HIGHEST	13.68	MAR 28, 2001	LOWEST	19.67	NOV 21, 2000					

412434071422401. Charlestown well CHW 586.

LOCATION.--Lat 41°24'34", long 71°42'24", Washington County, Hydrologic Unit 01090005, town of Charlestown, Burlingame State Park, 0.7 mi from Buckeye Road on Clawson Trail.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 14.3 ft, cased to 4.1 ft, screened from 4.1 ft to 13.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 125 ft. Measuring point: Notch in PVC casing, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.57 ft below land-surface datum, Nov. 28, 1994; lowest measured, dry, Aug. 26, 1999.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.34	DEC 28	3.73	FEB 28	3.54	APR 25	3.74	JUN 24	3.93	AUG 31	4.26
NOV 28	3.54	JAN 25	3.72	MAR 19	3.61	MAY 30	3.49	JUL 27	3.84		
WATER YEAR 2001	HIGHEST	3.49	MAY 30, 2001	LOWEST	5.34	OCT 26, 2000					

412424071423601. Charlestown well CHW 587.

LOCATION.--Lat 41°24'24", long 71°42'36", Washington County, Hydrologic Unit 01090005, town of Charlestown, Burligame State Park, 0.8 mi from Buckeye Brook Road on Mills Trail.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 12.5 ft, cased to 2.3 ft, screened from 2.3 ft to 11.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 90 ft. Measuring point: Notch in PVC casing, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--September 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.35 ft below land-surface datum, Mar. 24, 1999; lowest measured, 12.33 ft below land-surface datum, Aug. 22, 1997.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.19	DEC 28	5.39	FEB 28	7.03	APR 25	6.37	JUN 27	8.36	AUG 31	11.85
NOV 28	8.84	JAN 25	7.62	MAR 19	4.16	MAY 30	4.86	JUL 27	10.91		
WATER YEAR 2001	HIGHEST	4.16	MAR 19, 2001	LOWEST	11.85	AUG 31, 2001					

## WASHINGTON COUNTY--Continued

413423071431901. Exeter well EXW 6.

LOCATION.--Lat 41°34'23", long 71°43'19", Washington County, Hydrologic Unit 01090005, town of Exeter, in Arcadia State Forest, 150 ft west of Wood River, 250 ft south of Ten Rod Road, and 2.0 mi west of Millville.

Owner: State Dept. of Natural Resources.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in., depth 10 ft, cased with concrete to 10 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Land-surface datum is 132.80 ft above sea level. Measuring point: Hole in top of wooden cover, at land-surface datum.

REMARKS.--Water level affected by stage of nearby Wood River.

PERIOD OF RECORD.--December 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.34 ft below land-surface datum, Jan. 27, 1979; lowest measured, 7.97 ft below land-surface datum, Sept. 26, 1981.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.79	DEC 26	5.61	FEB 22	5.50	APR 27	4.51	JUN 21	4.06	AUG 20	5.99
NOV 21	6.56	JAN 29	5.94	MAR 28	3.93	MAY 24	5.07	JUL 31	5.77	SEP 24	6.58
WATER YEAR 2001	HIGHEST	3.93	MAR 28, 2001	LOWEST	6.79	OCT 26, 2000					

413505071452801. Exeter well EXW 158.

LOCATION.--Lat 41°35'05", long 71°45'28", Washington County, Hydrologic Unit 01090005, town of Exeter, Escoheag Hill Road.

Owner: State of Rhode Island.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 36 in., depth 18.3 ft, cased with stone to 18.3 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 315 ft. Measuring point: Spray painted arrow on rock, at land-surface datum.

PERIOD OF RECORD.--September 1953 to February 1959, November 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.85 ft below land-surface datum, Mar. 25, 1994; lowest measured, dry, several times during water years 1994 and 1998.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	15.32	DEC 26	7.14	FEB 22	6.28	APR 27	6.19	JUN 21	5.35	AUG 20	15.03
NOV 21	15.38	JAN 29	7.55	MAR 28	4.28	MAY 24	9.22	JUL 31	13.01	SEP 24	16.34
WATER YEAR 2001	HIGHEST	4.28	MAR 28, 2001	LOWEST	16.34	SEP 24, 2001					

413400071363101. Exeter well EXW 238.

LOCATION.--Lat 41°34'00", long 71°36'31", Washington County, Hydrologic Unit 01090005, town of Exeter, Tripps Corner Road.

Owner: Private owner.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in., depth 14.4 ft, cased with stone to 14.4 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 333.80 ft. Measuring point: Spray painted arrow on rock, at land-surface datum.

PERIOD OF RECORD.--October 1955 to June 1960, May 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.37 ft below land-surface datum Oct.17, 1955; lowest measured, 13.61 ft below land-surface datum, July 22, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	12.68	DEC 27	11.83	FEB 23	11.95	APR 27	11.72	JUN 21	10.40	AUG 20	11.29
NOV 21	12.31	JAN 29	12.24	MAR 28	10.66	MAY 24	10.51	JUL 31	11.31	SEP 26	11.11
WATER YEAR 2001	HIGHEST	10.40	JUN 21, 2001	LOWEST	12.68	OCT 27, 2000					

GROUND-WATER LEVELS IN RHODE ISLAND

WASHINGTON COUNTY--Continued

413135071314201. Exeter well EXW 278.

LOCATION.--Lat 41°31'35", long 71°31'42", Washington County, Hydrologic Unit 01090005, town of Exeter, Liberty Road 1.04 mi from Rt. 2.

Owner: Private owner.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in, depth 23.9 ft, cased with stone to 23.9 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 230.90 ft. Measuring point: Spray painted arrow top of casing, 1.20 ft. above land-surface datum.

PERIOD OF RECORD.--August 1954 to June 1960, March 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.06 ft below land-surface datum, May 29, 1991; lowest measured, dry, several times in water years 1993, 1994, and 1998.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	17.04	DEC 27	13.68	FEB 23	11.19	APR 27	8.45	JUN 21	8.21	AUG 20	16.46
NOV 21	18.55	JAN 29	13.67	MAR 28	5.79	MAY 24	12.27	JUL 31	14.76	SEP 26	19.43
WATER YEAR 2001	HIGHEST	5.79	MAR 28, 2001	LOWEST	19.43	SEP 26, 2001					

413358071433801. Exeter well EXW 475.

LOCATION.--Lat 41°33'58", long 71°43'38", Washington County, Hydrologic Unit 01090005, town of Exeter, 70 ft east of Mt. Tom Road, 50 ft north of Blitzkrieg Trail, and 2.4 mi northwest of Barberville.

Owner: State Department of Environmental Management.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in, depth 40 ft, cased to 38 ft, screened 38 to 40 ft.

INSTRUMENTATION.--Continuous graphic recorder March 1981 to May 1988, digital recorder (60-min punch) June 1988 to current year.

DATUM.--Land-surface datum is 142.92 ft above sea level. Measuring point: Floor of recorder shelter, 3.38 ft above land-surface datum.

PERIOD OF RECORD.--March 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.58 ft below land-surface datum, Apr. 28, 29, 1983; lowest, 16.74 ft below land-surface datum, Oct. 19, 1981, Sept. 17, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.72	16.12	15.96	14.85	14.81	14.47	12.31	12.21	13.13	12.32	13.64	14.69
2	15.73	16.13	15.94	14.83	14.80	14.46	12.18	12.25	13.10	12.39	13.69	14.72
3	15.74	16.15	15.93	14.82	14.79	14.45	12.09	12.30	13.00	12.44	13.73	14.75
4	15.76	16.16	15.92	14.81	14.78	14.45	12.03	12.34	12.98	12.47	13.76	14.78
5	15.78	16.17	15.91	14.80	14.76	14.44	11.97	12.39	12.96	12.49	13.81	14.81
6	15.79	16.18	15.91	14.79	14.75	14.42	11.92	12.45	12.95	12.54	13.85	14.85
7	15.80	16.19	15.90	14.79	14.75	14.41	11.89	12.50	12.95	12.59	13.89	14.88
8	15.81	16.21	15.90	14.79	14.75	14.40	11.85	12.54	12.96	12.62	13.93	14.92
9	15.83	16.21	15.90	14.79	14.74	14.39	11.79	12.58	12.98	12.65	13.98	14.95
10	15.84	16.22	15.90	14.80	14.72	14.38	11.77	12.62	13.01	12.69	14.03	14.98
11	15.85	16.20	15.90	14.79	14.71	14.37	11.77	12.67	13.04	12.73	14.07	15.02
12	15.87	16.19	15.90	14.80	14.70	14.36	11.73	12.72	12.90	12.76	14.11	15.05
13	15.89	16.19	15.91	14.81	14.68	14.30	11.69	12.77	12.83	12.80	14.12	15.09
14	15.90	16.19	15.90	14.81	14.67	14.20	11.67	12.82	12.81	12.84	14.14	15.13
15	15.91	16.15	15.89	14.81	14.65	14.15	11.67	12.86	12.79	12.89	14.18	15.15
16	15.93	16.12	15.88	14.81	14.64	14.10	11.67	12.92	12.77	12.94	14.22	15.19
17	15.95	16.10	15.82	14.81	14.63	14.04	11.68	12.97	12.73	12.98	14.25	15.22
18	15.96	16.10	15.65	14.83	14.62	13.98	11.69	13.03	12.54	13.02	14.29	15.25
19	15.96	16.09	15.50	14.82	14.61	13.93	11.76	13.07	12.42	13.07	14.33	15.29
20	15.97	16.09	15.38	14.80	14.60	13.88	11.80	13.13	12.33	13.11	14.36	15.32
21	15.99	16.09	15.29	14.79	14.59	13.83	11.83	13.18	12.29	13.16	14.35	15.35
22	16.00	16.10	15.21	14.80	14.59	13.64	11.84	13.22	12.26	13.20	14.37	15.36
23	16.01	16.11	15.14	14.79	14.58	13.40	11.88	13.25	12.23	13.25	14.40	15.38
24	16.02	16.12	15.08	14.79	14.59	13.23	11.90	13.27	12.22	13.30	14.43	15.41
25	16.03	16.14	15.03	14.80	14.58	13.10	11.97	13.28	12.22	13.35	14.47	15.43
26	16.05	16.13	14.99	14.82	14.53	12.99	12.01	13.29	12.23	13.39	14.49	15.45
27	16.07	16.07	14.95	14.82	14.51	12.91	12.04	13.17	12.23	13.42	14.52	15.47
28	16.08	16.03	14.92	14.85	14.49	12.85	12.09	13.10	12.24	13.47	14.55	15.49
29	16.09	16.00	14.90	14.87	---	12.80	12.15	13.09	12.28	13.51	14.59	15.52
30	16.10	15.98	14.87	14.87	---	12.69	12.17	13.09	12.29	13.55	14.63	15.54
31	16.11	---	14.85	14.82	---	12.48	---	13.10	---	13.59	14.66	---
MEAN	15.92	16.13	15.55	14.81	14.66	13.85	11.89	12.84	12.66	12.95	14.19	15.15
LOW	16.11	16.22	15.96	14.87	14.81	14.47	12.31	13.29	13.13	13.59	14.66	15.54
HIGH	15.72	15.98	14.85	14.79	14.49	12.48	11.67	12.21	12.22	12.32	13.64	14.69

WTR YR 2001 HIGH 11.67 APR 13-18 LOW 16.23 NOV 10

## GROUND-WATER LEVELS IN RHODE ISLAND

289

## WASHINGTON COUNTY--Continued

413252071323601. Exeter well EXW 554.

LOCATION.--Lat 41°32'52", long 71°32'36", Washington County, hydrologic Unit 01090005, town of Exeter, about 1,500 ft south of fire station at Exeter State (Dr. Joseph H. Ladd) School. One half mile West of Rt. 2 on Dawley Rd. and approximately 100 ft north of center line of Dawley Rd.  
Owner: State Dept. of Public Welfare.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in, depth 25.1 ft, cased to 22.8 ft, screened from 22.8 ft to 24.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Land-surface datum is 156.92 ft above sea level. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Replacement well for EXW16, which was influenced by parking lot runoff.

PERIOD OF RECORD.--December 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.03 ft below land-surface datum, Mar. 28, 2001; lowest measured, 12.20 ft below land-surface datum, Nov. 29, 1994.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	9.97	DEC 27	8.57	FEB 23	8.62	APR 27	8.91	JUN 21	9.09	SEP 26	10.54
NOV 21	10.04	JAN 29	9.07	MAR 28	7.03	MAY 24	9.43	JUL 31	10.13		
WATER YEAR 2001	HIGHEST	7.03	MAR 28, 2001	LOWEST	10.54	SEP 26, 2001					

413126071455501. Hopkinton well HOW 67.

LOCATION.--Lat 41°31'26", long 71°45'55", Washington County, Hydrologic Unit 01090005, town of Hopkinton, Beach Pond Road, Rt. 138.  
Owner: Rhode Island Boy Scouts.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in, depth 22.9 ft, cased with stone to 22.9 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 335 ft. Measuring point: Spray painted arrow on rock, 1.89 ft above land-surface datum.

PERIOD OF RECORD.--August 1953 to February 1959, November 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.55 ft below land-surface datum, Mar. 28, 2001; lowest measured, dry, Oct. 29, 1957.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.16	DEC 26	15.91	FEB 22	15.29	APR 27	11.69	JUN 21	10.07	AUG 20	13.26
NOV 21	19.15	JAN 29	17.09	MAR 28	9.55	MAY 24	15.16	JUL 31	17.04	SEP 24	19.86
WATER YEAR 2001	HIGHEST	9.55	MAR 28, 2001	LOWEST	19.86	SEP 24, 2001					

410947071344803. New Shoreham well NHW 258.

LOCATION.--Lat 41°09'47", long 71°34'48", Washington County, Hydrologic Unit 01090005, town of New Shoreham, Lakeside Drive near Indian Cemetary.

Owner: State of Rhode Island, D.O.T.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in, depth 19.0 ft, cased to 14.0 ft, screened from 14.0 ft to 19.0 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by observer.

DATUM.--Elevation of land-surface datum is 120 ft. Measuring point: Notch in PVC casing, 0.85 ft above land-surface datum.

PERIOD OF RECORD.--August 1990 and September 1990, June 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.05 ft below land-surface datum, Mar. 29, 1993; lowest measured, 13.83 ft below land-surface datum, Nov. 21, 1993.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	12.61	DEC 30	12.68	FEB 14	11.70	MAR 24	10.77	MAY 23	11.10	JUL 27	12.18
NOV 30	12.98	JAN 19	12.42	28	11.48	APR 26	10.17	JUN 26	11.70	AUG 25	12.68
WATER YEAR 2001	HIGHEST	10.17	APR 26, 2001	LOWEST	12.98	NOV 30, 2000					

GROUND-WATER LEVELS IN RHODE ISLAND

WASHINGTON COUNTY--Continued

413148071281601. North Kingstown well NKW 255.

LOCATION.--Lat 41°31'48", long 71°28'16", Washington County, Hydrologic Unit 01090004, town of North Kingstown, 100 ft east of Pendar Road, 0.6 mi south of intersection of Pendar and Tower Hill Roads, and 1.0 mi south of Allenton.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 24 in, depth 14 ft, cased with concrete to 14 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 50 ft. Measuring point: Hole in top of concrete cover, 0.24 ft above land-surface datum.

PERIOD OF RECORD.--August 1954 to December 1963, January 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.81 ft below land-surface datum, Mar. 26, 1968; lowest measured, 13.03 ft below land-surface datum, Oct. 26, 1981.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	9.32	DEC 27	8.01	FEB 23	8.30	APR 27	6.52	JUN 21	6.46	AUG 20	8.86
NOV 21	9.10	JAN 29	8.86	MAR 28	5.97	MAY 24	7.32	JUL 31	8.47	SEP 26	9.07
WATER YEAR 2001	HIGHEST	5.97	MAR 28, 2001	LOWEST	9.32	OCT 27, 2000					

412932071374302. Richmond well RIW 417.

LOCATION.--Lat 41°29'32", long 71°37'43", Washington County, Hydrologic Unit 01090005, town of Richmond, about 50 ft south of State Highway 138, about 75 ft west of Beaver River, and 3.3 mi north of Kenyon.

Owner: State Department of Transportation.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 40 ft, cased to 37 ft, screened 37 to 40 ft.

INSTRUMENTATION.--Continuous graphic recorder December 1975 to May 1988, digital recorder (60 minute) June 1988 to current year.

DATUM.--Land-surface datum is 115.56 ft, above sea level. Measuring point: Floor of recorder shelter, 0.60 ft above land-surface datum.

REMARKS.--Water level affected by stage of nearby Beaver River.

PERIOD OF RECORD.--December 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.08 ft below land-surface datum, Apr. 25, 1983; lowest, 8.02 ft below land-surface datum, Oct. 3, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.39	7.60	7.20	6.62	6.51	6.26	4.63	6.09	6.05	6.40	7.14	7.39
2	7.40	7.60	7.21	6.64	6.51	6.29	4.72	6.13	5.91	6.43	7.17	7.41
3	7.41	7.60	7.22	6.65	6.53	6.32	4.80	6.17	5.74	6.47	7.19	7.42
4	7.41	7.61	7.23	6.66	6.55	6.36	4.89	6.21	5.83	6.51	7.20	7.43
5	7.42	7.61	7.24	6.67	6.55	6.35	4.97	6.24	5.88	6.52	7.20	7.45
6	7.42	7.61	7.25	6.68	6.48	6.22	5.04	6.28	5.92	6.54	7.20	7.47
7	7.42	7.62	7.25	6.69	6.47	6.19	5.06	6.32	5.97	6.60	7.22	7.49
8	---	7.63	7.26	6.71	6.47	6.22	5.10	6.35	6.02	6.63	7.24	7.50
9	---	7.63	7.27	6.72	6.48	6.24	5.10	6.38	6.07	6.65	7.28	7.51
10	---	7.51	7.27	6.73	6.40	6.24	5.15	6.41	6.12	6.69	7.30	7.53
11	---	7.38	7.28	6.75	6.35	6.22	5.22	6.44	6.17	6.72	7.31	7.55
12	---	7.39	7.28	6.78	6.37	6.21	5.24	6.48	5.85	6.73	7.31	7.57
13	---	7.41	7.28	6.79	6.38	5.96	5.24	6.51	5.90	6.75	7.11	7.59
14	---	7.41	7.23	6.81	6.39	5.72	5.30	6.55	6.01	6.78	7.12	7.60
15	---	7.35	7.17	6.79	6.39	5.68	5.36	6.58	6.07	6.81	7.18	7.60
16	---	7.35	7.18	6.75	6.39	5.66	5.41	6.61	6.12	6.85	7.23	7.61
17	---	7.36	6.94	6.75	6.37	5.66	5.46	6.63	6.08	6.87	7.26	7.63
18	---	7.37	6.55	6.76	6.39	5.68	5.50	6.65	5.78	6.89	7.28	7.65
19	---	7.39	6.50	6.76	6.41	5.72	5.56	6.67	5.86	6.91	7.31	7.66
20	---	7.40	6.47	6.65	6.43	5.76	5.62	6.71	5.91	6.94	7.27	7.67
21	---	7.42	6.47	6.64	6.44	5.77	5.66	6.73	5.97	6.97	7.21	7.62
22	---	7.44	6.47	6.65	6.46	5.07	5.70	6.71	6.01	7.00	7.22	7.32
23	---	7.45	6.48	6.66	6.48	4.85	5.75	6.66	6.03	7.03	7.25	7.32
24	---	7.46	6.49	6.69	6.52	4.89	5.80	6.40	6.07	7.05	7.27	7.38
25	---	7.46	6.51	6.72	6.49	4.95	5.85	6.25	6.12	7.08	7.30	7.41
26	---	7.38	6.49	6.74	6.20	5.02	5.89	6.29	6.18	7.00	7.31	7.42
27	---	7.16	6.54	6.76	6.20	5.08	5.93	5.90	6.23	6.96	7.33	7.46
28	7.59	7.17	6.57	6.78	6.23	5.15	5.98	5.84	6.27	7.03	7.34	7.49
29	7.60	7.19	6.59	6.80	---	5.21	6.02	5.87	6.32	7.07	7.36	7.52
30	7.60	7.20	6.61	6.74	---	4.95	6.05	5.93	6.37	7.10	7.37	7.53
31	7.60	---	6.61	6.53	---	4.53	---	6.00	---	7.13	7.38	---
MEAN	7.48	7.44	6.91	6.71	6.42	5.69	5.40	6.35	6.03	6.81	7.25	7.51
LOW	7.60	7.63	7.28	6.81	6.55	6.36	6.05	6.73	6.37	7.13	7.38	7.67
HIGH	7.39	7.16	6.47	6.53	6.20	4.53	4.63	5.84	5.74	6.40	7.11	7.32

WTR YR 2001 HIGH 4.49 MAR 31 LOW 7.68 SEPT 20, 21



## GROUND-WATER LEVELS IN RHODE ISLAND

291

## WASHINGTON COUNTY--Continued

412844071422802. Richmond well RIW 600.

LOCATION.--Lat 41°28'44", long 71°42'28", Washington County, Hydrologic Unit 01090005, town of Richmond, about 50 ft west of Hope Valley Road, and 1.5 mi northeast of Woodville.

Owner: State Department of Transportation.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in, depth 54 ft, cased to 49 ft, screened 49 to 54 ft.

INSTRUMENTATION.--Continuous graphic recorder September 1977 to May 1988, digital recorder (60 minute) June 1988 to current year.

DATUM.--Land-surface datum is 100.17 ft, above sea level. Measuring point: Floor of recorder shelter, 2.63 ft above land-surface datum.

PERIOD OF RECORD.--September 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 31.42 ft below land-surface datum, June 11, 1982; lowest, 35.94 ft below land-surface datum, Feb. 2, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.59	34.94	34.81	34.19	34.13	33.80	32.47	32.75	33.17	33.26	33.84	34.28
2	34.59	34.95	34.80	34.18	34.10	33.78	32.41	32.78	33.17	33.28	33.86	34.30
3	34.61	34.96	34.79	34.18	34.09	33.77	32.38	32.82	33.14	33.31	33.88	34.32
4	34.62	34.97	34.78	34.18	34.08	33.76	32.35	32.85	33.13	33.32	33.90	34.33
5	34.63	34.99	34.77	34.18	34.06	33.74	32.33	32.88	33.12	33.34	33.92	34.34
6	34.65	35.00	34.76	34.18	34.05	33.73	32.31	32.92	33.12	33.36	33.94	34.36
7	34.66	35.02	34.76	34.18	34.04	33.72	32.30	32.95	33.12	33.38	33.96	34.38
8	34.66	35.04	34.76	34.18	34.03	33.70	32.29	32.98	33.14	33.40	33.98	34.40
9	34.68	35.05	34.76	34.18	34.02	33.68	32.27	33.01	33.16	33.41	34.00	34.42
10	34.69	35.06	34.76	34.19	34.00	33.67	32.28	33.03	33.19	33.43	34.04	34.44
11	34.70	35.04	34.76	34.19	33.99	33.66	32.31	33.06	33.22	33.44	34.06	34.46
12	34.71	35.01	34.76	34.20	33.98	33.65	32.30	33.09	33.22	33.46	34.08	34.48
13	34.72	35.00	34.77	34.20	33.97	33.62	32.30	33.13	33.22	33.48	34.07	34.50
14	34.73	34.98	34.76	34.20	33.95	33.58	32.32	33.15	33.22	33.50	34.05	34.52
15	34.74	34.96	34.75	34.20	33.93	33.51	32.35	33.18	33.23	33.52	34.06	34.54
16	34.75	34.93	34.74	34.20	33.93	33.45	32.38	33.22	33.24	33.54	34.07	34.55
17	34.77	34.91	34.71	34.20	33.92	33.40	32.40	33.25	33.24	33.56	34.09	34.57
18	34.78	34.90	34.67	34.20	33.92	33.36	32.43	33.28	33.20	33.58	34.10	34.59
19	34.79	34.89	34.59	34.18	33.91	33.33	32.47	33.31	33.14	33.60	34.11	34.62
20	34.80	34.89	34.51	34.17	33.91	33.29	32.51	33.34	33.11	33.62	34.13	34.64
21	34.81	34.89	34.46	34.16	33.90	33.26	32.53	33.37	33.09	33.65	34.14	34.66
22	34.82	34.89	34.41	34.16	33.92	33.20	32.54	33.39	33.09	33.67	34.14	34.66
23	34.83	34.90	34.36	34.14	33.90	33.10	32.56	33.42	33.09	33.69	34.15	34.65
24	34.84	34.92	34.32	34.14	33.92	33.00	32.58	33.43	33.11	33.71	34.16	34.65
25	34.85	34.93	34.28	34.14	33.91	32.90	32.61	33.42	33.12	33.73	34.18	34.66
26	34.87	34.93	34.25	34.14	33.89	32.82	32.63	33.41	33.15	33.75	34.19	34.66
27	34.88	34.89	34.23	34.14	33.86	32.75	32.65	33.35	33.17	33.76	34.20	34.67
28	34.89	34.87	34.22	34.15	33.83	32.69	32.68	33.25	33.19	33.76	34.22	34.67
29	34.90	34.84	34.21	34.16	---	32.65	32.71	33.21	33.22	33.78	34.23	34.68
30	34.92	34.82	34.19	34.15	---	32.60	32.73	33.18	33.23	33.79	34.25	34.70
31	34.93	---	34.19	34.13	---	32.54	---	33.17	---	33.82	34.26	---
MEAN	34.76	34.95	34.58	34.17	33.97	33.35	32.45	33.15	33.17	33.55	34.07	34.52
LOW	34.93	35.06	34.81	34.20	34.13	33.80	32.73	33.43	33.24	33.82	34.26	34.70
HIGH	34.59	34.82	34.19	34.13	33.83	32.54	32.27	32.75	33.09	33.26	33.84	34.28

WTR YR 2001 HIGH 32.26 APR 9 LOW 35.06 NOV 9, 10

412718071415201. Richmond well RIW 785.

LOCATION.--Lat 41°27'18", long 71°41'52", Washington County, Hydrologic Unit 01090005, town of Richmond, about 50 ft west of Narragansett Trail, and 1.2 miles north of Wood River Junction.

Owner: Tuckahoe Turf Farms.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in, depth 40.06 ft, cased to 34.21 ft, screened from 34.21 ft to 40.06 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey Personnel.

DATUM.--Elevation of land-surface datum is 85 ft. Measuring point: Top of casing, 0.65 ft above land-surface datum.

REMARKS.--Replacement well for RIW 231 which was destroyed.

PERIOD OF RECORD.--October 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.50 ft below land-surface datum, June 30, 1998 lowest measured, 26.58 ft below land-surface datum, Oct. 26, 1995.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	24.80	DEC 26	25.10	FEB 22	24.66	APR 27	21.92	JUN 21	21.55	AUG 20	22.68
NOV 21	25.34	JAN 29	25.07	MAR 28	23.47	MAY 24	22.24	JUL 31	22.22	SEP 24	23.72
WATER YEAR 2001	HIGHEST	21.55	JUN 21, 2001	LOWEST	25.34	NOV 21, 2000					

## GROUND-WATER LEVELS IN RHODE ISLAND

WASHINGTON COUNTY--Continued

412918071321001. South Kingstown well SNW 6.

LOCATION.--Lat 41°29'18", long 71°32'10", Washington County, Hydrologic Unit 01090005, town of South Kingstown, at northwest corner of Mead Field at University of Rhode Island, and 0.9 mi northwest of Kingston.

Owner: University of Rhode Island.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water table well, diameter 10 in, depth 34 ft, cased to 34 ft, open end.

INSTRUMENTATION.--Continuous graphic recorder July 1973 to May 1988, digital recorder (60 minute) June 1988 to current year.

DATUM.--Land-surface datum is 111.89 ft above sea level. Measuring point: Floor of recorder shelter, 0.04 ft above land-surface datum.

RECORD OF PERIOD.--November to December 1947, February 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.91 ft below land-surface datum, Apr. 25, 26, 1983; lowest, 15.06 ft below land-surface datum, Dec. 29, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.47	13.10	12.99	12.09	11.93	11.58	8.75	10.02	10.90	11.30	12.10	12.63
2	12.47	13.11	12.98	12.09	11.92	11.58	8.71	10.08	10.85	11.34	12.10	12.66
3	12.49	13.13	12.98	12.09	11.92	11.61	8.72	10.15	10.73	11.38	12.07	12.69
4	12.51	13.14	12.98	12.09	11.94	11.65	8.76	10.20	10.77	11.40	12.05	12.71
5	12.53	13.16	12.97	12.10	11.92	11.63	8.79	10.26	10.82	11.43	12.05	12.75
6	12.55	13.18	12.98	12.11	11.91	11.59	8.82	10.34	10.86	11.46	12.05	12.78
7	12.58	13.20	12.98	12.13	11.88	11.58	8.91	10.39	10.89	11.50	12.06	12.81
8	12.60	13.22	13.00	12.14	11.85	11.55	8.92	10.43	10.93	11.53	11.98	12.86
9	12.62	13.24	13.01	12.15	11.82	11.52	8.91	10.48	10.97	11.56	11.90	12.90
10	12.64	13.24	13.03	12.17	11.76	11.50	8.98	10.52	11.01	11.60	11.92	12.94
11	12.66	13.15	13.04	12.18	11.74	11.47	9.05	10.57	11.05	11.63	12.00	12.98
12	12.69	13.11	13.04	12.21	11.71	11.43	9.05	10.62	10.98	11.66	12.07	12.99
13	12.71	13.10	13.07	12.24	11.69	11.43	9.04	10.69	11.02	11.70	12.12	12.86
14	12.73	13.09	13.04	12.25	11.68	11.43	9.10	10.75	11.07	11.72	12.16	12.86
15	12.75	13.09	12.98	12.25	11.68	11.43	9.15	10.79	11.08	11.76	12.18	12.95
16	12.73	13.09	12.95	12.20	11.70	11.43	9.20	10.86	11.11	11.80	12.21	13.00
17	12.76	13.08	12.88	12.18	11.70	11.43	9.25	10.91	11.10	11.83	12.24	13.05
18	12.80	13.09	12.63	12.17	11.75	11.43	9.31	10.96	10.94	11.87	12.27	13.09
19	12.83	13.10	12.50	12.15	11.77	11.43	9.39	11.00	10.95	11.90	12.30	13.13
20	12.86	13.11	12.44	12.09	11.77	11.43	9.46	11.06	10.96	11.94	12.33	13.17
21	12.88	13.13	12.39	12.05	11.79	11.43	9.51	11.11	11.00	11.97	12.35	13.20
22	12.91	13.16	12.31	12.05	11.83	11.43	9.54	11.15	11.01	11.99	12.37	13.18
23	12.93	13.17	12.27	12.04	11.84	11.43	9.60	11.17	11.04	12.00	12.40	13.16
24	12.95	13.18	12.23	12.04	11.88	11.43	9.75	11.00	11.08	12.01	12.42	13.17
25	12.97	13.20	12.18	12.05	11.87	11.43	9.72	10.72	11.11	12.04	12.45	13.20
26	12.99	13.17	12.15	12.08	11.66	11.43	9.76	10.64	11.16	12.06	12.47	13.22
27	13.00	13.05	12.12	12.09	11.62	11.43	9.79	10.65	11.18	12.02	12.49	13.24
28	13.02	13.03	12.11	12.13	11.60	11.43	9.71	9.86	10.69	11.21	12.03	13.27
29	13.05	13.02	12.10	12.16	---	11.43	9.75	9.93	10.73	11.24	12.06	13.29
30	13.06	13.00	12.09	12.09	---	11.43	9.32	9.97	10.78	11.27	12.08	13.32
31	13.08	---	12.08	11.92	---	11.43	8.79	---	10.84	---	12.09	---
MEAN	12.77	13.13	12.66	12.12	11.79	11.43	9.25	10.66	11.01	11.76	12.24	13.00
LOW	13.08	13.24	13.07	12.25	11.94	11.65	9.97	11.17	11.27	12.09	12.60	13.32
HIGH	12.47	13.00	12.08	11.92	11.60	8.79	8.71	10.02	10.73	11.30	11.90	12.63

WTR YR 2001 HIGH 8.71 APR 2, 3 LOW 13.33 SEPT 30

## WASHINGTON COUNTY--Continued

412154071462901. Westerly well WEW 522.

LOCATION.--Lat 41°21'54", long 71°46'29", Washington County, Hydrologic Unit 01090005, town of Westerly, 350 ft northwest of intersection of Pound and Old Shore Roads and 1.0 mi north of Dunn Corner.

Owner: Private owner.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in, depth 16 ft, lined with stone to 16 ft, shored.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.--Elevation of land-surface datum is 45 ft. Measuring point: Southwest corner of stone casing, 0.91 ft above land-surface datum.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.23 ft below land-surface datum, Apr. 23, 1983; lowest measured, 14.99 ft below land-surface datum, Aug. 25, 1999.

## WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	13.50	DEC 27	11.97	FEB 23	12.25	APR 27	11.55	JUN 21	12.04	AUG 20	13.64
NOV 21	13.11	JAN 29	12.43	MAR 28	10.78	MAY 24	12.60	JUL 31	13.24	SEP 26	14.00
WATER YEAR 2001	HIGHEST	10.78	MAR 28, 2001	LOWEST	14.00	SEP 26, 2001					

## GROUND-WATER QUALITY AT MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

Organic pesticide compounds, analyzed by NWQL Schedule 2001, and volatile organic compounds (VOCs), analyzed by NWQL Schedule 2020, are listed with laboratory reporting levels in the section "EXPLANATION OF RECORDS." Only pesticides and VOCs identified by the analyses (either as estimated values or values measured at or above the laboratory reporting level) for one or more samples are listed in the water-quality tables. Water-quality data presented in this table were collected by the New England Coastal Basins National Water-Quality Assessment Program (NAWQA) as part of two ground-water studies in unconsolidated, surficial (stratified-drift) aquifers and fractured-bedrock aquifers. Water-quality samples were collected from gravel-packed wells used to provide municipal drinking water and from bedrock wells used to provide domestic drinking water. attitude and longitudinal data, accurate to within a tenth of a second, are available for the wells, but are omitted from this table. Anyone interested in obtaining this locational data should contact the USGS Information Officer, NH/VT District, at dc\_nh@usgs.gov.

Remarks: STATE ID NO., Unique identification number assigned to each public-supply well by the State of Massachusetts; G/M, gallons per minute; --, no data; "E", estimated concentration; "<", less than; "M," presence verified, not quantified; --b, sample broken/spilled in shipment; 112SRFD, unconsolidated, surficial aquifers; BEDROCK, crystalline fractured-bedrock aquifers; BLS, below land surface.

LOCAL IDENT- I- FIER	STATE ID NO. OR USGS STATION ID NO.	TOWN	GEO- LOGIC UNIT	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH TO TOP OF SCREEN (FT BLS) (72015)	DEPTH TO BOTTOM OF SCREEN (FT BLS) (72016)
MASSACHUSETTS								
BRISTOL COUNTY								
MA-EMW 353	MA4088000-04G	Easton	112SRFD	09-05-01	0900	42.71	52	62
MA-N4W 232	MA4218000-06G	Norton	112SRFD	07-23-01	1100	33.87	54	66
MA-XBW 238	414046071051001	Westport	BEDROCK	10-30-00	1100	11.85	--	--
ESSEX COUNTY								
MA-CHW 580	MA3056002-04G	Chelmsford	112SRFD	08-07-01	0900	9.30	28	32
MA-EXW 11	MA3092000-01G	Essex	112SRFD	08-08-01	0900	13.28	32	39
MA-HCW 208	423609070490901	Hamilton	BEDROCK	10-11-00	1100	14.83	--	--
MA-IPW 340	MA3144000-04G	Ipswich	112SRFD	08-30-01	1100	--	--	58
MA-L6W 91	MA3164000-06G	Lynnfield	112SRFD	08-06-01	1100	19.70	60	63
MIDDLESEX COUNTY								
MA-AYW 43	MA2019001-03G	Ayer	112SRFD	09-18-01	1100	48.35	75	93
MA-N3W 234	MA3213000-07G	North Reading	112SRFD	07-17-01	0900	19.60	44	59
MA-WKW 95	MA3315000-04G	Wakefield	112SRFD	07-16-01	1100	27.86	32	47
MA-XRW 68	MA3347000-02G	Woburn	112SRFD	07-17-01	1400	14.70	26	54
NORFOLK COUNTY								
MA-CBW 119	MA3050000-10G	Canton	112SRFD	07-24-01	1100	16.90	33	43
MA-F2W 79	MA4101000-09G	Franklin	112SRFD	07-18-01	1100	14.30	24	30
PLYMOUTH COUNTY								
MA-CDW 153	415012070461101	Carver	BEDROCK	10-12-00	1100	28.08	--	--
MA-KGW 59	MA4145000-05G	Kingston	112SRFD	07-26-01	1100	35.67	63	72
MA-MFW 43	MA4169000-03G	Marion	112SRFD	07-25-01	0900	16.61	22	27
MA-PWW 411	MA4239000-06G	Plymouth	112SRFD	10-04-01	1100	14.60	124	166
MA-WFW 252	MA4310003-01G	Wareham	112SRFD	07-25-01	1500	36.50	44	60

GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE FLOW RATE (G/M) (00059)	WELL YIELD (G/M) (00058)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	62	5.0	930	119	108	0.9	2.2	20	5.6	179
MA-N4W 232	07-23-01	66	7.5	600	74	144	.1	1.7	14	6.0	241
MA-XBW 238	10-30-00	300	--	--	189	85	1.2	4.9	46	5.6	126
ESSEX COUNTY											
MA-CHW 580	08-07-01	32	5.0	246	100	644	.7	.2	2	5.8	1,180
MA-EXW 11	08-08-01	39	5.0	350	50	120	.3	.1	1.5	5.7	182
MA-HCW 208	10-11-00	465	1.0	--	50	382	1.1	.1	0	8.3	852
MA-IPW 340	08-30-01	58	6.0	166	45	179	.1	3.8	35	6.7	289
MA-L6W 91	08-06-01	63	5.0	90	79.5	149	.6	.2	2	7.6	248
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	93	5.0	900	253	226	.1	2.9	26	6.4	397
MA-N3W 234	07-17-01	59	6.0	402	93	262	13	.3	2.8	6.8	442
MA-WKW 95	07-16-01	47	5.5	575	140	192	.1	4.9	44	6.3	316
MA-XRW 68	07-17-01	54	5.3	--	47.5	209	.3	3.0	27.1	6.0	372
NORFOLK COUNTY											
MA-CBW 119	07-24-01	43	5.0	139	55	134	.6	3.1	28	5.7	218
MA-F2W 79	07-18-01	29.5	5.0	309	273	182	.1	4.3	40	5.7	289
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	300	1.0	--	80	88	5.0	.3	2	8.9	135
MA-KGW 59	07-26-01	80	5.0	49	35	94	.3	6.2	56	5.9	169
MA-MFW 43	07-25-01	27	5.5	101	25	60	.7	4.9	45	5.2	95
MA-PWW 411	10-04-01	166	6.0	928	90	34	.1	1.1	10	6.1	62
MA-WFW 252	07-25-01	59.5	5.0	350	24	61	.1	6.7	59	5.5	106
LOCAL IDENTIFIER	DATE	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	NITROGEN GAS DISS. (MG/L AS N2) (00597)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORPTION RATIO (00931)	SODIUM PERCENT (00932)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	23.0	11.4	21.8	35.7	9.68	2.78	18.7	1.37	52.1	1.51
MA-N4W 232	07-23-01	32.0	10.1	22.0	47.6	12.6	3.86	26.0	1.64	53.9	.78
MA-XBW 238	10-30-00	4.5	12.3	20.4	36.2	9.78	2.84	8.9	.645	33.9	1.30
ESSEX COUNTY											
MA-CHW 580	08-07-01	31.0	12.4	23.1	95.1	30.5	4.50	186	8.31	79.7	6.63
MA-EXW 11	08-08-01	30.0	17.7	17.5	23.9	6.09	2.10	20.9	1.86	64.0	1.30
MA-HCW 208	10-11-00	14.0	11.5	25.8	121	33.0	9.44	81.1	3.20	58.3	3.98
MA-IPW 340	08-30-01	22.0	10.8	23.8	119	33.3	8.59	12.9	.517	19.0	1.23
MA-L6W 91	08-06-01	33.0	10.8	23.9	112	12.4	19.7	7.9	.326	13.1	2.07
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	25.0	10.7	21.0	91.6	28.5	4.89	38.3	1.74	47.0	2.18
MA-N3W 234	07-17-01	22.0	12.6	21.9	76.3	23.1	4.50	45.7	2.28	54.9	4.30
MA-WKW 95	07-16-01	24.0	10.2	21.4	101	29.2	6.85	22.0	.951	31.7	1.40
MA-XRW 68	07-17-01	24.0	10.6	21.9	68.8	21.2	3.81	41.4	2.17	55.7	2.40
NORFOLK COUNTY											
MA-CBW 119	07-24-01	31.0	10.4	21.9	48.9	12.7	4.12	22.2	1.38	49.3	.75
MA-F2W 79	07-18-01	22.0	11.5	20.6	55.5	17.2	3.03	29.7	1.74	52.9	1.74
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	14.0	13.4	21.4	34.3	10.2	2.16	12.8	.954	43.9	1.08
MA-KGW 59	07-26-01	24.0	10.5	20.8	29.2	6.70	3.02	18.4	1.48	56.4	1.31
MA-MFW 43	07-25-01	29.0	11.4	20.9	14.5	3.37	1.46	11.0	1.27	58.6	2.01
MA-PWW 411	10-04-01	23.0	11.7	19.8	8.45	1.64	1.06	6.8	1.02	61.5	.67
MA-WFW 252	07-25-01	22.0	9.8	19.9	19.9	3.68	2.58	11.0	1.08	53.3	.95

## GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	ALKA-LINITY	BICAR-BONATE	CAR-BONATE	BROMIDE DIS-SOLVED	CHLO-RIDE, DIS-SOLVED	FLUO-RIDE, DIS-SOLVED	SILICA, DIS-SOLVED	SULFATE DIS-SOLVED	NITRO-GEN, AMMONIA DIS-SOLVED	NITRO-GEN, AMMONIA + ORGANIC DIS.
		WAT DIS FIELD	DIS IT FIELD	DIS IT FIELD		(MG/L AS CO3)	(MG/L AS CO3)	(MG/L AS CO3)	(MG/L AS CO2)	(MG/L AS SIO2)	(MG/L AS SO4)
		(39086)	(00453)	(00452)	(71870)	(00940)	(00950)	(00955)	(00945)	(00608)	(00623)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	14	17	0	0.04	32.7	0.2	13.6	13.9	<0.040	<0.10
MA-N4W 232	07-23-01	16	18	0	.04	53.8	<.2	14.9	9.7	E.038	E.07
MA-XBW 238	10-30-00	22	26	0	.03	10.6	E.1	17.8	10.5	<.041	<.10
ESSEX COUNTY											
MA-CHW 580	08-07-01	23	28	0	.04	345	<.2	12.6	18.1	E.036	.12
MA-EXW 11	08-08-01	24	30	0	.23	37.8	E.1	11.7	2.4	.202	.65
MA-HCW 208	10-11-00	96	118	0	.46	133	.7	35.6	23.9	.075	.10
MA-IPW 340	08-30-01	82	100	0	.04	28.2	E.1	13.8	21.8	<.040	<.10
MA-L6W 91	08-06-01	78	94	0	.04	19.6	<.2	17.8	18.4	.044	E.08
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	44	54	0	.03	66.0	<.2	10.9	39.5	<.040	<.10
MA-N3W 234	07-17-01	57	70	0	.11	90.3	E.1	17.7	13.4	.698	.81
MA-WKW 95	07-16-01	48	58	0	.04	47.4	<.2	15.8	19.4	<.040	<.10
MA-XRW 68	07-17-01	25	31	0	.05	84.8	<.2	8.3	16.0	<.040	E.05
NORFOLK COUNTY											
MA-CBW 119	07-24-01	24	29	0	<.01	38.2	<.2	14.1	11.7	<.040	E.10
MA-F2W 79	07-18-01	25	30	0	.01	61.0	<.2	11.9	11.2	<.040	<.10
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	49	60	0	.03	8.0	E.1	16.3	5.8	<.041	<.10
MA-KGW 59	07-26-01	14	18	0	.03	30.9	<.2	14.3	9.7	<.040	<.10
MA-MFW 43	07-25-01	8	10	0	<.01	15.7	<.2	8.5	8.3	E.022	E.07
MA-PWW 411	10-04-01	12	14	0	.03	9.1	<.1	10.9	5.3	<.040	<.10
MA-WFW 252	07-25-01	8	10	0	.03	19.2	<.2	9.2	5.5	<.040	<.10
LOCAL IDENTIFIER	DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED	NITRO-GEN, NITRITE DIS-SOLVED	PHOS-PHORUS DIS-SOLVED	PHOS-PHORUS ORTHO, DIS-SOLVED	CARBON DIOXIDE DIS-SOLVED	CARBON, ORGANIC DIS-SOLVED	ALUM-INUM, DIS-SOLVED	ANTI-MONY, DIS-SOLVED	ARGON GAS	ARSENIC DIS-SOLVED
		(MG/L AS N)	(MG/L AS N)	(MG/L AS P)	(MG/L AS P)	(MG/L AS CO2)	(MG/L AS C)	(MG/L AS AL)	(MG/L AS SB)	(MG/L AS A)	(MG/L AS AS)
		(00631)	(00613)	(00666)	(00671)	(00405)	(00681)	(01106)	(01095)	(82043)	(01000)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	E0.934	<0.006	E0.008	<0.020	56	0.58	16	<0.05	0.710	<0.2
MA-N4W 232	07-23-01	.149	<.006	.012	E.009	42	1.2	7	E.03	.750	<.2
MA-XBW 238	10-30-00	2.57	<.006	.012	E.012	69	E.30	2	<.05	.528	<.2
ESSEX COUNTY											
MA-CHW 580	08-07-01	.989	<.006	.020	E.012	64	2.9	38	<.05	.730	1.4
MA-EXW 11	08-08-01	E.030	<.006	.133	.102	41	10	102	E.05	.595	10.0
MA-HCW 208	10-11-00	<.047	<.006	.011	E.013	1.9	E.23	<.1	<.05	.884	<.2
MA-IPW 340	08-30-01	E1.09	<.006	.028	E.018	24	E.28	<.1	<.05	.790	.2
MA-L6W 91	08-06-01	.533	<.006	.014	E.012	8	.42	<.1	<.05	.760	.8
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	.767	<.006	E.004	<.020	30	E.31	<.1	<.05	.740	.2
MA-N3W 234	07-17-01	.317	.007	.112	.071	43	2.7	3	<.05	.690	47.9
MA-WKW 95	07-16-01	2.51	E.003	.007	<.020	34	1.0	<.1	E.04	.740	.2
MA-XRW 68	07-17-01	.707	<.006	E.005	<.020	43	1.6	4	<.05	.730	<.2
NORFOLK COUNTY											
MA-CBW 119	07-24-01	1.18	<.006	.015	<.020	56	2.5	21	E.03	.735	<.2
MA-F2W 79	07-18-01	1.04	<.006	.015	<.020	50	.88	8	E.03	.720	<.2
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	<.047	<.006	.011	E.011	.4	.35	1	.94	.755	1.5
MA-KGW 59	07-26-01	.711	<.006	.026	E.016	44	E.28	1	<.05	.735	E.1
MA-MFW 43	07-25-01	.643	<.006	.022	E.009	36	1.7	107	<.05	.745	.2
MA-PWW 411	10-04-01	E.028	<.008	.013	<.020	25	E.20	1	<.05	.700	1.5
MA-WFW 252	07-25-01	.734	<.006	.012	<.020	32	.46	38	<.05	.720	<.2

## GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

297

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM, DIS-SOLVED (UG/L AS LI) (01130)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	8.7	0.19	23	0.06	<0.8	0.03	2.9	<10	1.33	1.9
MA-N4W 232	07-23-01	13.6	.11	16	.07	E.5	4.85	1.9	650	.14	1.8
MA-XBW 238	10-30-00	<1.0	E.06	12	<.04	E.6	.03	16.5	<10	7.08	2.6
ESSEX COUNTY											
MA-CHW 580	08-07-01	83.4	E.04	32	.28	<.8	.80	2.2	10	.34	3.0
MA-EXW 11	08-08-01	17.1	.37	17	<.04	E.6	2.62	.7	6,910	.20	1.0
MA-HCW 208	10-11-00	82.6	<.06	53	.04	<.8	.08	.9	160	E.06	21.3
MA-IPW 340	08-30-01	4.1	<.06	15	E.02	<.8	.06	3.6	10	.19	2.2
MA-L6W 91	08-06-01	9.5	<.06	10	<.04	<.8	.17	.3	30	<.08	6.8
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	9.3	<.06	17	<.04	<.8	.14	22.7	40	.11	2.7
MA-N3W 234	07-17-01	15.6	<.06	23	.07	<.8	3.69	.5	7,710	<.08	3.6
MA-WKW 95	07-16-01	11.4	<.06	28	<.04	<.8	.07	1.2	<10	.46	1.0
MA-XRW 68	07-17-01	12.9	<.06	17	.04	<.8	.08	6.6	10	<.08	<.3
NORFOLK COUNTY											
MA-CBW 119	07-24-01	9.6	E.05	23	.04	E.6	.30	12.4	M	1.37	.5
MA-F2W 79	07-18-01	27.8	<.06	16	E.03	<.8	.09	10.0	<10	.24	.8
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	3.1	<.06	12	<.04	<.8	.05	.6	210	.17	4.0
MA-KGW 59	07-26-01	6.0	<.06	11	.06	<.8	.08	7.4	<10	.15	1.3
MA-MFW 43	07-25-01	26.9	.09	16	E.02	E.4	.52	2.8	400	.21	.5
MA-PWW 411	10-04-01	6.8	<.06	8	.06	E.7	.87	21.0	3,110	.14	E.3
MA-WFW 252	07-25-01	18.4	.10	8	E.02	<.8	.10	.6	<10	.20	.4
LOCAL IDENTIFIER	DATE	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	THALLIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)
BRISTOL COUNTY											
MA-EMW 353	09-05-01	18.5	E0.2	0.68	<0.3	<1.0	61.7	<0.04	<0.2	7	<0.007
MA-N4W 232	07-23-01	116	<.2	1.85	<.3	<1.0	104	<.04	.5	6	<.007
MA-XBW 238	10-30-00	3.1	<.2	.09	<.3	<1.0	39.7	<.04	<.2	6	<.007
ESSEX COUNTY											
MA-CHW 580	08-07-01	215	.2	3.37	<.3	<1.0	270	.08	<.2	3	<.007
MA-EXW 11	08-08-01	585	.6	3.09	<.3	<1.0	26.4	<.04	13.0	3	<.007
MA-HCW 208	10-11-00	74.7	3.0	.27	<.3	<1.0	224	<.04	<.2	<1	<.007
MA-IPW 340	08-30-01	39.7	.8	<.06	<.3	<1.0	84.1	<.04	<.2	15	<.007
MA-L6W 91	08-06-01	64.6	.4	.59	<.3	<1.0	42.8	<.04	.3	<1	<.007
MIDDLESEX COUNTY											
MA-AYW 43	09-18-01	119	<.2	.72	<.3	<1.0	160	<.04	<.2	1	<.007
MA-N3W 234	07-17-01	683	1.9	3.05	<.3	<1.0	135	<.04	E.2	2	<.007
MA-WKW 95	07-16-01	.2	.2	<.06	E.2	<1.0	106	.12	E.1	1	<.007
MA-XRW 68	07-17-01	57.7	E.1	<.06	<.3	<1.0	118	<.04	<.2	3	<.007
NORFOLK COUNTY											
MA-CBW 119	07-24-01	254	<.2	1.20	E.2	<1.0	83.9	<.04	.2	2	<.007
MA-F2W 79	07-18-01	61.9	E.2	<.06	<.3	<1.0	97.5	<.04	E.1	1	<.007
PLYMOUTH COUNTY											
MA-CDW 153	10-12-00	99.3	1.7	.28	<.3	<1.0	54.0	<.04	<.2	<1	<.007
MA-KGW 59	07-26-01	8.3	E.2	1.27	<.3	<1.0	50.8	<.04	<.2	3	<.007
MA-MFW 43	07-25-01	62.4	E.1	.41	<.3	<1.0	21.9	<.04	.4	1	--b
MA-PWW 411	10-04-01	148	E.1	.74	<.3	<1.0	15.9	<.04	<.2	2	<.007
MA-WFW 252	07-25-01	10.2	<.2	.18	<.3	<1.0	36.7	<.04	<.2	<1	<.007

GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	DEETHYL		METHANE GAS, DISS. (UG/L)	METO-LACHLOR WATER DISSOLV (UG/L)	P,P' DDE DISSOLV (UG/L)	PRO-METON, WATER, DISS, REC (UG/L)	SI-MAZINE, WATER, DISS, REC (UG/L)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L)	1,1,1-TRI-ETHANE TOTAL (UG/L)	1,1-DI-ETHANE TOTAL (UG/L)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L)
		ATRA-ZINE, WATER, DISS, REC (UG/L)	(76994)									
BRISTOL COUNTY												
MA-EMW 353	09-05-01	<0.006	0	<0.013	<0.003	<0.015	<0.011	<0.016	E0.02	E0.03	<0.06	
MA-N4W 232	07-23-01	<.006	0	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
MA-XBW 238	10-30-00	E.002	0	<.013	<.003	<.015	<.011	<.016	E.01	<.04	<.06	
ESSEX COUNTY												
MA-CHW 580	08-07-01	<.006	2.1	<.013	<.003	.018	E.004	.176	.13	E.03	<.06	
MA-EXW 11	08-08-01	<.006	2,090	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
MA-HCW 208	10-11-00	<.006	9.8	<.013	E.001	<.015	<.011	<.016	<.03	<.04	<.06	
MA-IPW 340	08-30-01	<.006	0	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
MA-L6W 91	08-06-01	<.006	8.9	<.013	<.003	<.015	<.011	<.016	E.03	<.04	<.06	
MIDDLESEX COUNTY												
MA-AYW 43	09-18-01	<.006	0	<.013	<.003	<.015	E.006	<.016	<.03	<.04	E.02	
MA-N3W 234	07-17-01	<.006	857.6	<.013	<.003	<.015	<.011	<.016	<.03	E.02	<.06	
MA-WKW 95	07-16-01	<.006	0	<.013	<.003	<.015	E.011	<.016	E.10	<.04	<.06	
MA-XRW 68	07-17-01	<.006	0	E.003	<.003	<.015	.024	<.016	<.03	<.04	<.06	
NORFOLK COUNTY												
MA-CBW 119	07-24-01	<.006	0	<.013	<.003	<.015	<.011	<.016	E.03	<.04	<.06	
MA-F2W 79	07-18-01	<.006	0	<.013	<.003	<.015	<.011	<.016	E.03	<.04	<.06	
PLYMOUTH COUNTY												
MA-CDW 153	10-12-00	<.006	2	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
MA-KGW 59	07-26-01	<.006	0	<.013	<.003	<.015	<.011	<.016	E.01	<.04	<.06	
MA-MFW 43	07-25-01	--b	0	--b	--b	--b	--b	--b	<.03	<.04	E.01	
MA-PWW 411	10-04-01	<.006	2.5	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
MA-WFW 252	07-25-01	<.006	0	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
LOCAL IDENTIFIER	DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	CIS-1,2-DI-ETHENE TOTAL (UG/L)	BROMO-CHLORO-METHANE TOTAL (UG/L)	DI-FLUORO-METHANE TOTAL (UG/L)	ETHER TERT-PENTYL UNFLTRD RECOVER (UG/L)	FREON-113 WATER UNFLTRD REC (UG/L)	METHYL TERT-BUTYL ETHER WAT REC (UG/L)	TETRA-ETHYLENE TOTAL (UG/L)	TRI-ETHYLENE TOTAL (UG/L)	
BRISTOL COUNTY												
MA-EMW 353	09-05-01	<0.2	E0.03	<0.04	<0.05	<0.3	<0.1	<0.06	E0.1	<0.1	<0.04	
MA-N4W 232	07-23-01	<.2	E.05	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	
MA-XBW 238	10-30-00	<.2	E.02	<.04	<.05	<.3	<.1	<.06	<.2	M	<.04	
ESSEX COUNTY												
MA-CHW 580	08-07-01	<.2	E.09	<.04	<.05	E.1	E.1	<.06	.9	M	<.04	
MA-EXW 11	08-08-01	<.2	<.02	<.04	<.05	<.3	.3	<.06	1.2	<.1	<.04	
MA-HCW 208	10-11-00	<.2	<.02	E.04	<.05	<.3	<.1	<.06	<.2	<.1	E.01	
MA-IPW 340	08-30-01	<.2	E.02	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	
MA-L6W 91	08-06-01	<.2	E.07	<.04	<.05	<.3	<.1	<.06	E.1	M	<.04	
MIDDLESEX COUNTY												
MA-AYW 43	09-18-01	E.1	.56	<.04	.23	<.3	<.1	E.09	E.1	M	.26	
MA-N3W 234	07-17-01	<.2	E.04	<.04	<.05	<.3	.1	<.06	1.5	M	<.04	
MA-WKW 95	07-16-01	<.2	E.10	<.04	<.05	<.3	<.1	<.06	E.1	M	<.04	
MA-XRW 68	07-17-01	<.2	E.09	<.04	<.05	<.3	<.1	<.06	<.2	M	<.04	
NORFOLK COUNTY												
MA-CBW 119	07-24-01	<.2	.13	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	
MA-F2W 79	07-18-01	<.2	.12	<.04	<.05	<.3	<.1	<.06	.2	.2	<.04	
PLYMOUTH COUNTY												
MA-CDW 153	10-12-00	<.2	<.02	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	
MA-KGW 59	07-26-01	<.2	.29	<.04	<.05	<.3	<.1	<.06	.3	<.1	<.04	
MA-MFW 43	07-25-01	<.2	.30	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	
MA-PWW 411	10-04-01	<.2	.16	<.04	<.05	<.3	.4	<.06	1.1	<.1	<.04	
MA-WFW 252	07-25-01	<.2	.58	<.04	<.05	<.3	<.1	<.06	<.2	<.1	<.04	



## GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

299

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENT- I- FIER	DATE	ALPHA RADIO- WATER DISS AS TH-230 (PCI/L) (04126)	GROSS BETA, DIS- SOLVED AS (PCI/L) CS-137) (03515)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS- SOLVED AS (PCI/L) (09503)	RADIUM 228 DIS- SOLVED AS (PCI/L) (81366)	RA-224 WATER FLTRD (PCI/L) (50833)	RADON 222 TOTAL (PCI/L) (82303)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U) (22703)
BRISTOL COUNTY										
MA-EMW 353	09-05-01	1.72	2.11	--	--	0.02	0.24	0.02	1,600	0.05
MA-N4W 232	07-23-01	.66	2.17	--	--	.07	.18	.08	574	.03
MA-XBW 238	10-30-00	<3.00	<4.00	-42.50	-7.34	M	.55	.18	22,400	.78
ESSEX COUNTY										
MA-CHW 580	08-07-01	2.89	8.77	--	--	.03	.74	M	991	1.92
MA-EXW 11	08-08-01	1.68	4.80	--	--	.05	.98	.10	466	.18
MA-HCW 208	10-11-00	3.60	10.6	-59.90	-9.21	.62	2.10	.41	2,020	E.01
MA-IPW 340	08-30-01	1.43	3.23	--	--	M	.57	.13	671	.33
MA-L6W 91	08-06-01	1.79	4.80	-52.04	-8.46	.07	.08	M	1,460	.97
MIDDLESEX COUNTY										
MA-AYW 43	09-18-01	1.69	6.06	--	--	.07	.12	.08	1,160	.15
MA-N3W 234	07-17-01	1.80	7.42	-46.45	-7.39	.18	.26	.04	3,000	.21
MA-WKW 95	07-16-01	1.32	3.48	-51.28	-8.04	.12	.40	.07	1,330	.39
MA-XRW 68	07-17-01	1.91	3.29	-49.57	-7.88	.07	.21	M	1,630	.04
NORFOLK COUNTY										
MA-CBW 119	07-24-01	1.42	3.12	--	--	.03	.59	.03	864	.04
MA-F2W 79	07-18-01	2.23	2.72	--	--	.07	.28	-0.41	1,080	.06
PLYMOUTH COUNTY										
MA-CDW 153	10-12-00	5.13	4.63	-48.40	-7.53	.53	1.00	.15	5,270	2.20
MA-KGW 59	07-26-01	1.40	3.00	--	--	.06	.53	.05	1,170	<.02
MA-MFW 43	07-25-01	2.38	3.89	--	--	.08	1.30	M	1,120	.03
MA-PWW 411	10-04-01	2.10	2.92	--	--	.02	.07	.09	540	<.02
MA-WFW 252	07-25-01	.98	2.26	-44.00	-7.34	M	.63	.04	311	<.02

GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	USEPA ID NO. OR USGS STATION ID NO.	TOWN	GEO-LOGIC UNIT	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH TO TOP OF SCREEN (FT BLS) (72015)	DEPTH TO BOTTOM OF SCREEN (FT BLS) (72016)
RHODE ISLAND								
PROVIDENCE COUNTY								
RI-BUW 399	RI2973130	Burrillville	112SRFD	10-03-01	1100	16.47	45	50
RI-SCW 530	414522071373601	Scituate	BEDROCK	11-01-00	1100	17.84	--	--
WASHINGTON COUNTY								
RI-SNW 1151	RI858422	South Kingston	112SRFD	10-15-01	1100	29	75	95
RI-SNW 1219	413024071334101	South Kingston	BEDROCK	10-31-00	1100	27.50	--	--
RI-WEW 585	RI1559512	Westerly	112SRFD	10-16-01	1100	26.33	57	72

LOCAL IDENTIFIER	DATE	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE FLOW RATE (G/M) (00059)	WELL YIELD (G/M) (00058)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED WATER (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)
PROVIDENCE COUNTY											
RI-BUW 399	10-03-01	50.00	6	30	50	54	0.2	5.0	45	5.6	88
RI-SCW 530	11-01-00	200.00	--	--	500	200	.3	5.2	49	5.1	362
WASHINGTON COUNTY											
RI-SNW 1151	10-15-01	95.00	1	--	113	102	.1	2.5	24	6.0	169
RI-SNW 1219	10-31-00	400.00	--	--	150	110	1.0	4.2	38	6.6	179
RI-WEW 585	10-16-01	72.00	6.5	700	25	92	.1	5.0	47	5.9	143

LOCAL IDENTIFIER	DATE	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	NITRO-GEN GAS DISS. (MG/L AS N2) (00597)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORPTION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
PROVIDENCE COUNTY										
RI-BUW 399	10-03-01	23.0	11.1	20.5	16.1	4.82	0.960	8.7	0.944	51.9
RI-SCW 530	11-01-00	10.0	11.8	17.6	44.7	14.4	2.08	44.3	2.89	67.1
WASHINGTON COUNTY										
RI-SNW 1151	10-15-01	19.0	11.8	20.6	43.3	12.1	3.17	12.6	.837	37.3
RI-SNW 1219	10-31-00	5.5	11.2	20.7	51.2	14.5	3.62	12.1	.735	32.7
RI-WEW 585	10-16-01	19.0	12.6	19.5	34.9	9.57	2.65	12.8	.944	43.3

GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	ALKALINITY WAT TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
PROVIDENCE COUNTY											
RI-BUW 399	10-03-01	10	13	0	E0.02	13.4	<0.1	13.3	5.8	<0.040	E0.05
RI-SCW 530	11-01-00	8	10	0	.03	79.6	.4	13.4	10.1	<.041	<.10
WASHINGTON COUNTY											
RI-SNW 1151	10-15-01	21	26	0	.06	23.6	.5	16.1	12.1	<.040	<.10
RI-SNW 1219	10-31-00	36	43	0	.02	23.1	.3	19.1	8.7	<.041	<.10
RI-WEW 585	10-16-01	19	23	0	.03	19.5	E.1	13.2	10.4	<.040	<.10
LOCAL IDENTIFIER	DATE	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOSPHORUS, PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUMINUM, DIS-SOLVED (MG/L AS AL) (01106)	ANTIMONY, DIS-SOLVED (MG/L AS SB) (01095)	ARGON GAS (MG/L AS A) (82043)	ARSENIC DIS-SOLVED (MG/L AS AS) (01000)
PROVIDENCE COUNTY											
RI-BUW 399	10-03-01	0.718	<0.008	0.008	<0.020	34	0.40	12	<0.05	0.730	<0.2
RI-SCW 530	11-01-00	4.06	<.006	E.003	<.018	135	.47	360	<.05	.653	<.2
WASHINGTON COUNTY											
RI-SNW 1151	10-15-01	1.74	<.008	E.004	<.020	42	.48	19	<.05	.711	<.2
RI-SNW 1219	10-31-00	.388	<.006	E.005	<.018	22	E.24	<1	E.03	.743	<.2
RI-WEW 585	10-16-01	1.79	<.008	.008	<.020	44	.45	<1	E.03	.690	<.2
LOCAL IDENTIFIER	DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM, DIS-SOLVED (UG/L AS LI) (01130)
PROVIDENCE COUNTY											
RI-BUW 399	10-03-01	16.9	E0.03	9	E0.02	E0.4	0.25	6.6	390	0.47	0.6
RI-SCW 530	11-01-00	36.1	1.60	27	.37	<.8	.09	26.6	<10	12.9	3.1
WASHINGTON COUNTY											
RI-SNW 1151	10-15-01	13.9	.12	15	<.04	<.8	.02	8.5	20	1.97	8.3
RI-SNW 1219	10-31-00	7.6	<.06	9	<.04	<.8	.03	10.8	M	1.62	8.7
RI-WEW 585	10-16-01	26.7	<.06	27	E.02	<.8	.04	3.7	<10	.81	1.1
LOCAL IDENTIFIER	DATE	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	THALLIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ATRAZINE, WATER, DISS. REC (UG/L) (39632)
PROVIDENCE COUNTY											
RI-BUW 399	10-03-01	43.1	E0.1	0.62	<0.3	<1.0	44.8	0.15	0.3	1	<0.007
RI-SCW 530	11-01-00	79.6	<.2	.49	.8	<1.0	54.5	.07	<.2	10	<0.007
WASHINGTON COUNTY											
RI-SNW 1151	10-15-01	205	E.2	.66	<.3	<1.0	64.1	<.04	<.2	6	.112
RI-SNW 1219	10-31-00	4.2	.3	.10	E.2	<1.0	57.1	<.04	.4	2	<0.007
RI-WEW 585	10-16-01	1.2	<.2	.17	.3	<1.0	68.7	<.04	<.2	21	<0.007

GROUND-WATER QUALITY AT MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO OCTOBER 2001  
(NATIONAL WATER QUALITY ASSESSMENT PROGRAM)

LOCAL IDENTIFIER	DATE	DEETHYL	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)	METHANE GAS, DISS. (UG/L)
		ATRA-ZINE, WATER, DISS, REC (04040)		AS CH4 (76994)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)	WATER DISSOLV (UG/L)
PROVIDENCE COUNTY												
RI-BUW 399	10-03-01	<0.006	0	<0.013	<0.003	<0.015	<0.011	<0.016	E0.04	<0.04	<0.06	
RI-SCW 530	11-01-00	<.006	2.1	<.013	<.003	<.015	E.003	<.016	<.03	<.04	<.06	
WASHINGTON COUNTY												
RI-SNW 1151	10-15-01	E.005	0	E.010	<.003	<.015	<.011	.020	<.03	<.04	<.06	
RI-SNW 1219	10-31-00	<.006	0	<.013	<.003	<.015	<.011	<.016	<.03	<.04	<.06	
RI-WEW 585	10-16-01	E.005	0	<.013	<.003	<.015	<.011	<.016	E.08	<.04	E.02	
LOCAL IDENTIFIER	DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	CIS-1,2-DI-ETHENE TOTAL (UG/L)	BROMO-DI-ETHENE TOTAL (UG/L)	DI-FLUORO-METHANE TOTAL (UG/L)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L)	FREON-113 WATER UNFLTRD REC (UG/L)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L)	TETRA-CHLORO-ETHYLENE TOTAL (UG/L)	TRI-CHLORO-ETHYLENE TOTAL (UG/L)	
		(32105)	(32106)	(77093)	(32101)	(34668)	(50005)	(77652)	(78032)	(34475)	(39180)	
PROVIDENCE COUNTY												
RI-BUW 399	10-03-01	<0.2	0.22	<0.04	<0.05	<0.3	<0.1	<0.06	E0.1	E0.1	<0.04	
RI-SCW 530	11-01-00	<.2	.30	<.04	<.05	<.3	<.1	<.06	.3	M	<.04	
WASHINGTON COUNTY												
RI-SNW 1151	10-15-01	<.2	E.01	<.04	<.05	E.1	<.1	<.06	E.2	M	<.04	
RI-SNW 1219	10-31-00	<.2	E.07	<.04	<.05	<.3	<.1	<.06	<.2	M	<.04	
RI-WEW 585	10-16-01	<.2	E.06	<.04	<.05	<.2	<.1	<.06	.2	M	<.04	
LOCAL IDENTIFIER	DATE	ALPHA RADIO. WATER DISS AS (PCI/L)	GROSS BETA, DISSOLVED AS (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DISSOLVED AS (PCI/L)	RADIUM 228, DISSOLVED AS (PCI/L)	RA-224 WATER FLTRD (PCI/L)	RADON 222 TOTAL (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)		
		(04126)	(03515)	(82082)	(82085)	(09503)	(81366)	(50833)	(82303)	(22703)		
PROVIDENCE COUNTY												
RI-BUW 399	10-03-01	0.55	1.23	-47.44	-8.00	0.04	0.23	0.03	568	0.03		
RI-SCW 530	11-01-00	5.22	<4.00	-41.80	-6.88	.30	1.37	1.18	3,380	.27		
WASHINGTON COUNTY												
RI-SNW 1151	10-15-01	1.87	3.43	--	--	.09	.48	M	2,540	.71		
RI-SNW 1219	10-31-00	7.52	<4.00	-44.20	-7.38	.24	.66	.08	8,230	4.36		
RI-WEW 585	10-16-01	1.27	2.56	--	--	.02	.38	.03	912	.02		