

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

[Locations of wells are shown in figures 1–3. Names shortened by removing prefix MA-. Latitude and longitude are given in degrees, minutes, and seconds relative to the North American Datum of 1927 (NAD27). Altitudes are in feet above or below (-) the National Geodetic Vertical Datum of 1929 (NGVD29). Well names in parentheses are location identifiers assigned by the Air Force Center for Engineering and the Environment. ft, feet; in., inches; PVC, polyvinyl chloride; --, no data]

Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 230-0042	413818.38	703240.46	87.06	46.66	44.66	2.00	PVC	08/01/07	49.26
FSW 230-0048	413818.38	703240.46	86.20	47.80	37.80	2.00	PVC	08/01/07	49.26
FSW 230-0049	413818.38	703240.46	86.14	38.74	36.74	2.00	PVC	08/01/07	49.28
FSW 230-0058	413818.38	703240.46	85.93	29.93	27.93	2.00	PVC	08/01/07	49.26
FSW 230-0068	413818.38	703240.46	86.33	20.24	18.24	2.00	PVC	08/01/07	49.30
FSW 230-0078	413818.38	703240.46	86.46	10.51	8.54	2.00	PVC	08/01/07	49.31
FSW 230-0088	413818.38	703240.46	86.35	0.32	-1.68	2.00	PVC	08/01/07	49.30
FSW 230-0108	413818.38	703240.46	86.13	-20.02	-22.02	2.00	PVC	08/01/07	49.29
FSW 230-0127	413818.38	703240.46	86.06	-39.33	-41.33	2.00	PVC	08/01/07	49.32
FSW 236-0070	413814.47	703249.89	98.05	30.15	28.15	2.00	PVC	06/07/07	49.94
FSW 236-0089	413814.47	703249.89	98.16	11.16	9.16	2.00	PVC	06/07/07	49.94
FSW 236-0106	413814.47	703249.89	98.00	-4.90	-7.90	2.00	PVC	06/07/07	49.83
FSW 236-0121	413814.47	703249.89	98.09	-20.61	-22.61	2.00	PVC	06/07/07	49.92
FSW 236-0141	413814.47	703249.89	97.69	-41.21	-43.21	2.00	PVC	06/07/07	49.91
FSW 239-0121	413801.28	703228.33	51.47	-67.57	-69.54	2.00	PVC	06/20/07	46.64
FSW 244-0070	413754.48	703235.30	69.88	4.23	-0.25	2.00	PVC	09/07/07	45.06
FSW 244-0090	413754.48	703235.30	69.50	-17.70	-20.70	2.00	PVC	09/07/07	45.01
FSW 244-0119	413754.48	703235.30	69.64	-47.56	-49.56	2.00	PVC	09/07/07	45.09
FSW 254-0026	413750.14	703233.98	56.05	32.95	29.95	1.25	PVC	08/08/07	45.25
FSW 254-0054	413750.14	703233.98	56.05	5.25	2.25	1.25	PVC	08/08/07	45.27
FSW 254-0072	413750.14	703233.98	56.05	-12.85	-15.85	1.25	PVC	08/08/07	45.27
FSW 254-0107	413750.14	703233.98	56.05	-47.65	-50.65	1.25	PVC	08/08/07	45.27

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 254-0140	413750.14	703233.98	56.05	-81.05	-84.05	1.25	PVC	08/08/07	45.15
FSW 254-0168	413750.14	703233.98	56.05	-109.45	-112.45	1.25	PVC	08/08/07	45.24
FSW 254-0216	413750.14	703233.98	56.05	-157.45	-160.45	1.25	PVC	08/08/07	45.24
FSW 262-0041	413712.66	703252.95	46.60	8.30	5.30	1.25	PVC	06/28/07	40.12
FSW 262-0069	413712.66	703252.95	46.60	-19.00	-22.00	1.25	PVC	06/28/07	40.14
FSW 262-0085	413712.66	703252.95	46.60	-35.30	-38.30	1.25	PVC	06/28/07	40.13
FSW 262-0109	413712.66	703252.95	46.60	-59.40	-62.40	1.25	PVC	06/28/07	40.11
FSW 262-0126	413712.66	703252.95	46.56	-77.34	-79.34	2.00	PVC	06/28/07	39.94
FSW 262-0159	413712.66	703252.95	46.60	-109.40	-112.40	1.25	PVC	06/28/07	39.95
FSW 267-0088	413736.93	703302.23	54.02	-30.58	-33.58	1.25	PVC	09/12/07	42.17
FSW 267-0111	413736.93	703302.23	54.12	-53.68	-56.68	1.25	PVC	09/12/07	42.17
FSW 267-0136	413736.93	703302.23	54.13	-78.37	-81.37	1.25	PVC	09/12/07	42.18
FSW 267-0155	413736.93	703302.23	54.05	-98.15	-101.15	1.25	PVC	09/12/07	42.08
FSW 271-0114	413634.60	703311.13	35.88	-76.52	-78.52	2.00	PVC	08/15/07	31.56
FSW 271-0141	413634.60	703311.13	35.34	-102.66	-105.66	1.25	PVC	08/15/07	31.56
FSW 271-0165	413634.60	703311.13	35.37	-127.03	-130.03	1.25	PVC	08/15/07	31.56
FSW 279-0061	413720.74	703224.09	80.35	22.35	19.35	2.00	PVC	08/24/07	40.77
FSW 279-0086	413720.74	703224.09	80.35	-3.05	-6.05	2.00	PVC	09/19/07	40.24
FSW 279-0100 (30MW0586)	413720.83	703223.76	79.53	-15.47	-20.47	2.00	PVC	09/19/07	39.95
FSW 279-0145 (03MW2623B)	413721.25	703224.42	80.68	-59.22	-64.22	2.50	PVC	09/24/07	40.36
FSW 279-0308 (03MW2623A)	413721.25	703224.41	80.68	-222.02	-227.02	2.50	PVC	09/24/07	38.37

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 282-0049	413653.92	703317.32	46.88	1.08	-1.92	1.25	PVC	08/15/07	35.02
FSW 282-0070	413653.92	703317.32	47.05	-20.25	-23.25	1.25	PVC	08/15/07	35.03
FSW 282-0083	413653.92	703317.32	46.98	-34.52	-36.52	2.00	PVC	08/15/07	31.87
FSW 282-0094	413653.92	703317.32	46.95	-44.35	-47.35	1.25	PVC	08/15/07	35.03
FSW 282-0123	413653.92	703317.32	46.96	-73.14	-76.14	1.25	PVC	08/15/07	35.04
FSW 294-0064	413637.03	703331.43	36.56	-25.84	-27.84	2.00	PVC	08/29/07	30.86
FSW 294-0077	413637.03	703331.43	36.25	-39.05	-41.05	2.00	PVC	08/29/07	30.86
FSW 294-0089	413637.03	703331.43	35.73	-50.67	-53.67	1.25	PVC	08/29/07	30.84
FSW 294-0109	413637.03	703331.43	36.57	-70.43	-72.43	2.00	PVC	08/29/07	30.81
FSW 300-0010	413805.43	703225.22	47.23	39.30	37.30	2.00	PVC	09/12/07	45.43
FSW 300-0030	413805.43	703225.22	47.14	19.49	17.49	2.00	PVC	09/12/07	45.43
FSW 300-0050	413805.43	703225.22	47.22	-1.18	-3.18	2.00	PVC	09/12/07	45.46
FSW 300-0099	413805.43	703225.22	46.88	-50.52	-52.52	2.00	PVC	05/31/07	46.80
FSW 300-0118	413805.43	703225.22	46.94	-69.21	-71.21	2.00	PVC	05/31/07	46.80
FSW 300-0138	413805.43	703225.22	47.13	-88.40	-90.40	2.00	PVC	05/31/07	46.88
FSW 343-0145	413814.65	703235.05	69.10	-73.81	-75.81	2.00	PVC	06/19/07	48.99
FSW 350-0110	413645.80	703306.12	37.79	-70.81	-72.11	2.00	PVC	08/14/07	34.04
FSW 350-0125	413645.80	703306.12	38.00	-85.30	-87.30	2.00	PVC	08/14/07	34.03
FSW 350-0140	413645.80	703306.12	38.27	-99.23	-101.23	2.00	PVC	08/14/07	34.00
FSW 355-0079	413649.85	703310.08	71.88	-6.22	-7.52	2.00	PVC	09/11/07	33.83
FSW 355-0104	413649.85	703310.08	71.99	-30.21	-31.51	2.00	PVC	09/11/07	33.77

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
FSW 355-0149	413649.85	703310.08	71.38	-76.02	-77.32	2.00	PVC	09/11/07	33.85
FSW 356-0079	413643.89	703259.07	65.37	-12.53	-13.83	2.00	PVC	09/06/07	33.28
FSW 356-0108	413643.89	703259.07	65.24	-41.86	-43.16	2.00	PVC	09/06/07	33.29
FSW 356-0134	413643.89	703259.07	65.47	-67.13	-68.43	2.00	PVC	09/06/07	33.25
FSW 357-0079	413641.15	703250.86	70.67	-6.23	-8.23	2.00	PVC	09/06/07	33.08
FSW 357-0099	413641.15	703250.86	70.75	-26.25	-28.25	2.00	PVC	09/06/07	33.08
FSW 357-0119	413641.15	703250.86	70.60	-47.10	-48.40	2.00	PVC	09/06/07	33.09
FSW 357-0139	413641.15	703250.86	70.52	-66.88	-68.88	2.00	PVC	09/06/07	33.05
FSW 358-0089	413658.78	703323.95	73.89	-12.81	-14.81	2.00	PVC	09/11/07	35.05
FSW 358-0104	413658.78	703323.95	73.83	-27.87	-29.87	2.00	PVC	09/11/07	35.04
FSW 358-0119	413658.78	703323.95	73.67	-43.93	-45.23	2.00	PVC	09/11/07	35.04
FSW 358-0132	413658.78	703323.95	73.72	-55.98	-57.98	2.00	PVC	09/11/07	34.94
FSW 359-0050	413639.42	703241.43	69.91	22.01	20.01	2.00	PVC	09/06/07	33.15
FSW 359-0088	413639.42	703241.43	70.36	-16.04	-18.04	2.00	PVC	09/06/07	33.14
FSW 359-0107	413639.42	703241.43	70.25	-34.65	-36.65	2.00	PVC	09/06/07	33.15
FSW 359-0119	413639.42	703241.43	70.18	-47.72	-49.02	2.00	PVC	09/06/07	33.14
FSW 359-0141	413639.42	703241.43	70.34	-68.26	-70.26	2.00	PVC	09/06/07	33.14
FSW 375-0015	413605.04	703331.56	29.25	16.65	14.65	2.00	PVC	07/10/07	24.47
FSW 375-0041	413605.04	703331.56	29.30	-9.70	-11.70	2.00	PVC	07/10/07	24.45
FSW 375-0055	413605.04	703331.56	29.19	-23.81	-25.81	2.00	PVC	07/10/07	24.46
FSW 375-0071	413605.04	703331.56	29.46	-39.74	-41.74	2.00	PVC	07/10/07	24.61

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 375-0081	413605.04	703331.56	29.25	-49.45	-51.45	2.00	PVC	07/10/07	24.67
FSW 375-0099	413605.04	703331.56	29.44	-67.26	-69.26	2.00	PVC	07/10/07	25.03
FSW 375-0119	413605.04	703331.56	29.44	-87.56	-89.56	2.00	PVC	07/10/07	26.39
FSW 383-0023	413810.36	703235.62	64.56	43.56	41.56	2.00	PVC	07/27/07	47.72
FSW 383-0030	413810.33	703235.59	64.58	36.78	34.78	2.00	PVC	07/27/07	47.72
FSW 383-0032	413810.28	703235.50	64.05	33.55	31.55	2.00	PVC	07/27/07	47.72
FSW 383-0040	413810.32	703235.56	64.58	26.18	24.18	2.00	PVC	07/27/07	47.72
FSW 383-0061	413810.29	703235.54	64.39	5.79	3.79	2.00	PVC	07/27/07	47.72
FSW 383-0082	413810.25	703235.48	64.32	-16.08	-18.08	2.00	PVC	07/27/07	47.71
FSW 383-0106	413810.31	703235.68	64.87	-39.73	-41.73	2.00	PVC	07/27/07	47.72
FSW 383-0129	413810.29	703235.65	64.74	-62.06	-64.06	2.00	PVC	07/27/07	47.71
FSW 388-0037	413809.48	703227.92	68.78	34.18	32.18	2.00	PVC	09/24/07	46.06
FSW 388-0072	413809.47	703227.89	68.81	-1.39	-3.39	2.00	PVC	09/24/07	46.04
FSW 411-0036	413729.51	703245.25	52.56	18.96	16.96	2.00	PVC	08/21/07	41.88
FSW 411-0054	413729.51	703245.25	52.44	0.14	-1.86	2.00	PVC	08/21/07	41.89
FSW 411-0065	413729.51	703245.25	52.35	-11.05	-13.05	2.00	PVC	08/21/07	41.80
FSW 411-0081	413729.51	703245.25	52.18	-27.02	-29.02	2.00	PVC	08/21/07	41.88
FSW 411-0094	413729.51	703245.25	52.01	-40.19	-42.19	2.00	PVC	08/21/07	41.89
FSW 411-0106	413729.51	703245.25	52.69	-50.91	-52.91	2.00	PVC	08/21/07	41.79
FSW 411-0122	413729.51	703245.25	52.61	-67.59	-69.59	2.00	PVC	08/21/07	41.73
FSW 412-0042	413638.07	703229.65	45.40	5.90	3.90	2.00	PVC	09/05/07	33.22
FSW 412-0064	413638.07	703229.65	45.17	-16.63	-18.63	2.00	PVC	09/05/07	33.23

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FSW 412-0078	413638.07	703229.65	44.99	-30.61	-32.61	2.00	PVC	09/05/07	33.23
FSW 412-0091	413638.07	703229.65	44.95	-44.15	-46.15	2.00	PVC	09/05/07	33.24
FSW 412-0108	413638.07	703229.65	44.86	-61.24	-63.24	2.00	PVC	09/05/07	33.24
FSW 418-0049	413701.16	703330.54	73.79	26.69	24.69	2.00	PVC	09/11/07	34.79
FSW 418-0089	413701.16	703330.54	73.64	-12.96	-14.96	2.00	PVC	09/11/07	34.82
FSW 418-0103	413701.16	703330.54	73.71	-27.69	-29.69	2.00	PVC	09/11/07	35.21
FSW 418-0122	413701.16	703330.54	73.84	-46.06	-48.06	2.00	PVC	09/11/07	34.87
FSW 418-0141	413701.16	703330.54	73.86	-64.74	-66.74	2.00	PVC	09/11/07	34.68
FSW 422-0045	413803.03	703236.68	73.33	30.03	28.03	2.00	PVC	07/12/07	47.12
FSW 422-0065	413803.03	703236.68	73.40	10.30	8.30	2.00	PVC	07/12/07	51.11
FSW 422-0085	413803.03	703236.68	73.41	-9.69	-11.69	2.00	PVC	07/12/07	47.12
FSW 422-0105	413803.03	703236.68	73.26	-29.94	-31.94	2.00	PVC	07/12/07	47.12
FSW 424-0144 (30MW0581B)	413804.39	703228.32	56.10	-82.90	-87.90	2.00	PVC	07/05/07	46.72
FSW 424-0183 (30MW0581A)	413804.44	703228.30	56.38	-121.62	-126.62	2.50	PVC	07/05/07	46.85
FSW 428-0080	413627.52	703319.73	32.45	-45.75	-47.75	2.00	PVC	09/07/07	29.38
FSW 429-0012	413622.27	703325.14	32.14	21.94	19.94	2.00	PVC	08/28/07	28.42
FSW 429-0068	413622.27	703325.14	32.43	-33.87	-35.87	2.00	PVC	08/28/07	28.43
FSW 429-0078	413622.27	703325.14	32.26	-43.64	-45.64	2.00	PVC	08/28/07	28.42
FSW 429-0094	413622.27	703325.14	32.05	-60.25	-62.25	2.00	PVC	08/28/07	28.45
FSW 430-0075	413615.00	703327.94	29.01	-43.69	-45.69	2.00	PVC	09/07/07	26.43

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 433-0064	413615.50	703340.01	59.35	-2.85	-4.85	2.00	PVC	09/05/07	25.83
FSW 433-0090	413615.50	703340.01	59.34	-29.16	-31.16	2.00	PVC	09/05/07	25.86
FSW 433-0104	413615.50	703340.01	59.67	-41.93	-43.93	2.00	PVC	09/05/07	25.87
FSW 433-0118	413615.50	703340.01	59.65	-56.15	-58.15	2.00	PVC	09/05/07	25.87
FSW 433-0140	413615.50	703340.01	59.46	-78.44	-80.44	2.00	PVC	09/05/07	26.05
FSW 436-0036	413554.47	703339.13	24.47	-9.23	-11.23	2.00	PVC	09/04/07	20.55
FSW 436-0060	413554.47	703339.13	25.06	-33.14	-35.14	2.00	PVC	09/04/07	20.55
FSW 436-0076	413554.47	703339.13	24.97	-49.03	-51.03	2.00	PVC	09/04/07	20.49
FSW 436-0091	413554.47	703339.13	24.65	-64.35	-66.35	2.00	PVC	09/04/07	20.51
FSW 436-0115	413554.47	703339.13	24.37	-89.03	-91.03	2.00	PVC	09/04/07	20.46
FSW 436-0141	413554.47	703339.13	24.58	-114.12	-116.12	2.00	PVC	09/04/07	20.14
FSW 443-0089	413555.28	703314.54	58.26	-28.74	-30.74	2.00	PVC	06/11/07	24.06
FSW 443-0104	413555.28	703314.54	58.27	-43.93	-45.93	2.00	PVC	06/11/07	24.06
FSW 443-0117	413555.28	703314.54	58.25	-56.55	-58.55	2.00	PVC	06/11/07	24.06
FSW 443-0140	413555.28	703314.54	58.49	-79.51	-81.51	2.00	PVC	06/11/07	24.05
FSW 459-0064	413622.90	703357.28	61.82	-0.08	-2.08	2.00	PVC	08/27/07	26.34
FSW 459-0091	413622.90	703357.28	61.14	-27.86	-29.86	2.00	PVC	08/27/07	26.35
FSW 459-0106	413622.90	703357.28	61.43	-43.07	-45.07	2.00	PVC	08/27/07	26.36
FSW 459-0121	413622.90	703357.28	61.10	-57.70	-59.70	2.00	PVC	08/27/07	26.34
FSW 459-0136	413622.90	703357.28	61.45	-72.45	-74.45	2.00	PVC	08/27/07	26.34
FSW 460-0080	413640.84	703245.79	70.20	-7.50	-9.50	2.00	PVC	09/06/07	33.22

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

[Locations of wells are shown in figures 1–3. Names shortened by removing prefix MA-. Latitude and longitude are given in degrees, minutes, and seconds relative to the North American Datum of 1927 (NAD27). Altitudes are in feet above or below (-) the National Geodetic Vertical Datum of 1929 (NGVD29). Well names in parentheses are location identifiers assigned by the Air Force Center for Engineering and the Environment. ft, feet; in., inches; PVC, polyvinyl chloride; --, no data]

Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 460-0100	413640.84	703245.79	70.44	-27.36	-29.36	2.00	PVC	09/06/07	33.23
FSW 460-0120	413640.84	703245.79	70.32	-47.48	-49.48	2.00	PVC	09/06/07	33.23
FSW 460-0140	413640.84	703245.79	70.20	-68.00	-70.00	2.00	PVC	09/06/07	33.26
FSW 470-0091	413550.01	703307.05	57.50	-30.70	-32.70	2.00	PVC	08/23/07	21.67
FSW 470-0106	413550.01	703307.05	57.66	-45.94	-47.94	2.00	PVC	08/23/07	22.09
FSW 470-0119	413550.01	703307.05	58.07	-59.33	-61.33	2.00	PVC	08/23/07	22.09
FSW 470-0142	413550.01	703307.05	57.99	-81.81	-83.81	2.00	PVC	08/23/07	22.11
FSW 474-0080	413626.46	703258.22	67.70	-10.10	-12.10	2.00	PVC	09/05/07	30.00
FSW 474-0100	413626.46	703258.22	67.68	-29.82	-31.82	2.00	PVC	09/05/07	30.00
FSW 474-0115	413626.46	703258.22	67.70	-44.90	-46.90	2.00	PVC	09/05/07	30.01
FSW 474-0129	413626.46	703258.22	67.66	-59.24	-61.24	2.00	PVC	09/05/07	30.02
FSW 474-0147	413626.46	703258.22	67.70	-77.70	-79.70	2.00	PVC	09/05/07	30.02
FSW 484-0007	413506.99	703349.87	12.69	7.29	5.29	2.00	PVC	09/04/07	9.90
FSW 484-0023	413506.99	703349.87	11.85	-9.15	-11.15	2.00	PVC	09/04/07	9.89
FSW 484-0078	413506.99	703349.87	11.87	-64.53	-66.53	2.00	PVC	09/04/07	9.90
FSW 484-0108	413506.99	703349.87	11.85	-93.95	-95.95	2.00	PVC	09/04/07	9.95
FSW 487-0012	413524.47	703357.34	20.36	9.96	7.96	2.00	PVC	08/16/07	13.23
FSW 487-0023	413524.47	703357.34	19.94	-1.26	-3.26	2.00	PVC	08/16/07	13.19
FSW 487-0078	413524.47	703357.34	20.14	-56.16	-58.16	2.00	PVC	08/16/07	13.23
FSW 487-0112	413524.47	703357.34	20.23	-90.27	-92.27	2.00	PVC	08/16/07	13.42
FSW 492-0007	413444.39	703309.16	7.69	2.29	0.29	2.00	PVC	08/14/07	4.97

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
FSW 493-0024	413508.76	703301.30	15.71	-5.99	-7.99	2.00	PVC	08/14/07	12.20
FSW 493-0074	413508.76	703301.30	15.67	-56.33	-58.33	2.00	PVC	08/14/07	11.98
FSW 497-0035	413445.91	703345.52	34.22	1.02	-0.98	2.00	PVC	08/20/07	5.13
FSW 497-0052	413445.91	703345.52	34.32	-16.08	-18.08	2.00	PVC	08/20/07	5.12
FSW 497-0089	413445.91	703345.52	34.38	-52.22	-54.22	2.00	PVC	08/20/07	5.12
FSW 497-0108	413445.91	703345.52	34.32	-71.78	-73.78	2.00	PVC	08/20/07	5.12
FSW 501-0087	413535.46	703321.16	50.88	-33.62	-35.62	2.00	PVC	07/11/07	17.81
FSW 501-0102	413535.46	703321.16	51.23	-48.47	-50.47	2.00	PVC	07/11/07	17.81
FSW 501-0117	413535.46	703321.16	50.40	-64.30	-66.30	2.00	PVC	07/11/07	17.88
FSW 501-0130 (95PZ0002B)	413535.54	703320.60	52.50	-72.50	-77.50	2.00	PVC	07/11/07	17.98
FSW 501-0160 (95PZ0002A)	413535.53	703320.72	52.50	-102.08	-107.08	2.00	PVC	07/11/07	18.23
FSW 502-0087	413601.84	703321.70	59.53	-25.37	-27.37	2.00	PVC	08/30/07	23.75
FSW 502-0102	413601.84	703321.70	59.58	-40.22	-42.22	2.00	PVC	08/30/07	23.74
FSW 502-0117	413601.84	703321.70	59.74	-55.66	-57.66	2.00	PVC	08/30/07	23.75
FSW 502-0128	413601.84	703321.70	59.76	-65.94	-67.94	2.00	PVC	08/30/07	23.77
FSW 502-0139	413601.84	703321.70	59.72	-77.48	-79.48	2.00	PVC	08/30/07	23.79
FSW 564-0016	413808.47	703222.48	54.90	48.20	39.20	2.00	PVC	09/12/07	45.57
FSW 564-0138	413808.47	703222.48	55.08	-81.32	-83.29	2.00	PVC	05/31/07	47.00
FSW 570-0056	413808.14	703241.21	95.98	42.36	40.39	2.00	PVC	06/07/07	48.50
FSW 570-0073	413808.14	703241.21	96.17	25.01	23.04	2.00	PVC	06/07/07	48.51

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

[Locations of wells are shown in figures 1–3. Names shortened by removing prefix MA-. Latitude and longitude are given in degrees, minutes, and seconds relative to the North American Datum of 1927 (NAD27). Altitudes are in feet above or below (-) the National Geodetic Vertical Datum of 1929 (NGVD29). Well names in parentheses are location identifiers assigned by the Air Force Center for Engineering and the Environment. ft, feet; in., inches; PVC, polyvinyl chloride; --, no data]

Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 570-0091	413808.14	703241.21	96.10	7.40	5.43	2.00	PVC	06/07/07	48.55
FSW 570-0111	413808.14	703241.21	96.17	-12.56	-14.53	2.00	PVC	06/07/07	48.52
FSW 572-0055	413816.04	703233.29	95.65	42.17	40.20	2.00	PVC	06/08/07	49.14
FSW 572-0071	413816.04	703233.29	95.94	27.18	25.21	2.00	PVC	06/08/07	49.15
FSW 572-0086	413816.04	703233.29	95.99	12.37	10.40	2.00	PVC	06/08/07	49.17
FSW 572-0101	413816.04	703233.29	96.08	-2.77	-4.74	2.00	PVC	06/08/07	49.16
FSW 572-0115	413816.04	703233.29	95.95	-16.85	-18.82	2.00	PVC	06/08/07	49.16
FSW 572-0131	413816.04	703233.29	95.70	-33.06	-35.03	2.00	PVC	06/08/07	49.13
FSW 572-0146	413816.04	703233.29	95.83	-47.79	-49.76	2.00	PVC	06/08/07	49.15
FSW 577-0051	413817.19	703236.82	94.31	45.41	43.44	2.00	PVC	07/19/07	49.02
FSW 577-0061	413817.19	703236.82	94.73	35.72	33.75	2.00	PVC	07/19/07	49.03
FSW 577-0071	413817.19	703236.82	94.26	25.44	23.47	2.00	PVC	07/19/07	49.03
FSW 577-0081	413817.19	703236.82	94.61	15.41	13.44	2.00	PVC	07/19/07	49.05
FSW 577-0097	413817.19	703236.82	95.18	0.15	-1.82	2.00	PVC	07/19/07	49.01
FSW 577-0111	413817.19	703236.82	94.36	-14.98	-16.95	2.00	PVC	07/19/07	49.04
FSW 577-0126	413817.19	703236.82	94.64	-29.88	-31.85	2.00	PVC	07/19/07	49.04
FSW 577-0142	413817.19	703236.82	95.09	-44.65	-46.62	2.00	PVC	07/19/07	49.03
FSW 582-0013 (30MW0582D)	413758.94	703222.80	46.44	38.44	33.44	2.00	PVC	10/11/07	44.73
FSW 582-0038 (30MW0582C)	413758.98	703222.80	46.31	13.31	8.31	2.00	PVC	10/11/07	44.76
FSW 582-0073 (30MW0582B)	413759.03	703222.79	46.23	-21.77	-26.77	2.00	PVC	10/11/07	44.57
FSW 582-0168 (30MW0582A)	413759.07	703222.79	45.85	-117.15	-122.15	2.50	PVC	10/11/07	44.83
FSW 584-0148 (30MW0584B)	413743.83	703220.77	46.08	-96.92	-101.92	2.00	PVC	10/11/07	43.60

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
FSW 585-0048 (30MW0585D)	413728.07	703232.00	81.34	43.34	33.34	2.00	PVC	09/21/07	41.26
FSW 585-0084 (30MW0585C)	413728.09	703231.94	81.47	2.47	-2.53	2.00	PVC	09/21/07	41.27
FSW 585-0099 (30MW0585B)	413728.09	703231.87	81.35	-12.65	-17.65	2.00	PVC	09/21/07	41.28
FSW 585-0124 (30MW0585A)	413728.12	703231.82	81.47	-38.03	-42.03	2.00	PVC	09/21/07	41.38
FSW 586-0058	413815.90	703235.93	99.40	43.15	41.18	2.00	PVC	07/17/07	48.79
FSW 586-0068	413815.90	703235.93	99.52	33.24	31.27	2.00	PVC	07/17/07	48.79
FSW 586-0078	413815.90	703235.93	99.71	23.42	21.45	2.00	PVC	07/17/07	48.79
FSW 586-0088	413815.90	703235.93	99.65	13.60	11.63	2.00	PVC	07/17/07	48.78
FSW 586-0098	413815.90	703235.93	99.57	3.16	1.19	2.00	PVC	07/17/07	48.79
FSW 586-0113	413815.90	703235.93	99.76	-11.26	-13.23	2.00	PVC	07/17/07	48.78
FSW 586-0128	413815.90	703235.93	99.70	-26.48	-28.45	2.00	PVC	07/17/07	48.78
FSW 586-0143	413815.90	703235.93	99.52	-41.45	-43.42	2.00	PVC	07/17/07	48.79
FSW 587-0045 (30MW0587D)	413802.05	703239.91	84.35	49.25	39.25	2.00	PVC	07/31/07	46.90
FSW 587-0098 (30MW0587C)	413801.93	703240.06	84.65	-8.55	-13.55	2.00	PVC	07/31/07	46.88
FSW 587-0118 (30MW0587B)	413801.97	703240.00	84.42	-28.28	-33.48	2.00	PVC	07/31/07	46.87
FSW 587-0167 (30MW0587A)	413802.01	703239.95	84.35	-78.25	-83.05	2.00	PVC	07/31/07	46.89
FSW 588-0089 (30MW0588)	413803.58	703245.55	94.55	10.55	5.55	2.00	PVC	07/31/07	47.21
FSW 589-0078 (30MW0589)	413805.77	703249.06	95.07	22.07	17.07	2.00	PVC	07/31/07	47.63
FSW 607-0140 (95MW0201)	413619.78	703304.58	64.34	-70.66	-75.66	2.50	PVC	09/11/07	28.63

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 611-0185 (95MW0207A)	413715.28	703251.54	48.60	-131.40	-136.40	2.50	PVC	08/27/07	38.84
FSW 612-0110 (95MW0208A)	413653.05	703302.62	40.56	-64.44	-69.44	2.50	PVC	08/30/07	35.32
FSW 613-0085 (95MW0210B)	413711.92	703303.60	76.90	-3.10	-8.10	2.50	PVC	08/23/07	38.25
FSW 613-0126 (95MW0210A)	413711.92	703303.61	76.90	-43.10	-48.10	2.50	PVC	08/23/07	38.27
FSW 614-0235 (95MW0211A)	413710.92	703242.65	78.77	-151.23	-156.23	2.50	PVC	08/27/07	38.49
FSW 615-0125 (95MW0212B)	413706.86	703233.42	77.38	-42.62	-47.62	2.50	PVC	08/23/07	38.10
FSW 615-0189 (95MW0212A)	413706.86	703233.42	77.38	-106.62	-111.62	2.50	PVC	08/23/07	38.03
FSW 627-0061 (95MW0802D)	413814.31	703228.07	88.64	30.16	28.16	2.50	PVC	08/02/07	47.72
FSW 627-0079 (95MW0802C)	413814.31	703228.08	88.64	11.51	9.51	2.50	PVC	08/02/07	47.74
FSW 627-0097 (95MW0802B)	413814.31	703228.02	88.61	-6.47	-8.47	2.50	PVC	08/02/07	47.75
FSW 627-0115 (95MW0802A)	413814.30	703228.02	88.61	-23.87	-25.87	2.50	PVC	08/02/07	47.75
FSW 633-P01-0010	413805.69	703223.22	44.44	35.02	34.02	0.62	Steel	07/13/07	45.85
FSW 633-P01-0030	413805.69	703223.25	44.47	15.47	14.47	0.62	Steel	07/13/07	45.94
FSW 633-P01-0060	413805.67	703223.27	44.48	-14.52	-15.52	0.62	Steel	07/13/07	46.27
FSW 633-P01-0100	413805.65	703223.30	44.51	-54.49	-55.49	0.62	Steel	07/13/07	--
FSW 635-P01-0010	413805.37	703222.78	40.60	34.65	31.65	0.62	Steel	07/13/07	45.91
FSW 635-P01-0030	413805.37	703222.76	40.60	9.65	6.65	0.62	Steel	07/13/07	45.88
FSW 635-P01-0060	413805.39	703222.73	40.60	-15.50	-18.50	0.62	Steel	07/13/07	45.92
FSW 635-P01-0100	413805.41	703222.70	40.60	-55.60	-58.60	0.62	Steel	07/13/07	45.94

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 636-P01-0010	413804.95	703222.18	35.00	29.30	26.30	0.62	Steel	07/13/07	45.84
FSW 636-P01-0030	413804.95	703222.18	35.30	9.60	6.60	0.62	Steel	07/13/07	45.39
FSW 636-P01-0060	413804.95	703222.18	35.40	-20.30	-23.30	0.62	Steel	07/13/07	45.91
FSW 636-P01-0100	413804.95	703222.18	35.40	-60.30	-63.30	0.62	Steel	07/13/07	45.91
FSW 655-0055	413535.20	703341.14	18.79	-34.24	-36.21	2.00	PVC	08/29/07	15.97
FSW 655-0075	413535.20	703341.14	18.66	-54.43	-56.34	2.00	PVC	08/29/07	15.96
FSW 655-0090	413535.20	703341.14	18.61	-69.39	-71.39	2.00	PVC	08/29/07	15.97
FSW 655-0110	413535.20	703341.14	18.76	-89.28	-91.24	2.00	PVC	08/29/07	15.82
FSW 655-0142	413535.20	703341.14	18.82	-121.18	-123.14	2.00	PVC	08/29/07	15.75
FSW 657-0063	413535.55	703346.50	18.69	-42.35	-44.31	2.00	PVC	09/12/07	15.74
FSW 657-0078	413535.55	703346.50	18.71	-57.33	-59.29	2.00	PVC	09/12/07	15.75
FSW 657-0093	413535.55	703346.50	18.85	-72.19	-74.15	2.00	PVC	09/12/07	15.61
FSW 657-0112	413535.55	703346.50	18.94	-91.10	-93.06	2.00	PVC	09/12/07	15.58
FSW 660-0037	413533.82	703336.33	46.13	13.64	9.13	2.00	PVC	09/10/07	15.89
FSW 660-0085	413533.82	703336.33	45.65	-37.00	-38.96	2.00	PVC	09/10/07	15.91
FSW 660-0102	413533.82	703336.33	45.96	-53.68	-55.64	2.00	PVC	09/10/07	15.88
FSW 660-0118	413533.82	703336.33	45.98	-69.64	-71.60	2.00	PVC	09/10/07	15.94
FSW 660-0138	413533.82	703336.33	46.12	-89.72	-91.68	2.00	PVC	09/10/07	15.92
FSW 661-0055 (95MW0109C)	413804.60	703232.33	57.02	7.02	2.02	2.50	PVC	09/05/07	46.13
FSW 661-0085 (95MW0109B)	413804.49	703232.30	57.36	-22.64	-27.64	2.50	PVC	09/05/07	46.09
FSW 661-0125 (95MW0109A)	413804.49	703232.30	57.36	-63.04	-68.04	2.50	PVC	09/05/07	46.13

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

[Locations of wells are shown in figures 1–3. Names shortened by removing prefix MA-. Latitude and longitude are given in degrees, minutes, and seconds relative to the North American Datum of 1927 (NAD27). Altitudes are in feet above or below (-) the National Geodetic Vertical Datum of 1929 (NGVD29). Well names in parentheses are location identifiers assigned by the Air Force Center for Engineering and the Environment. ft, feet; in., inches; PVC, polyvinyl chloride; --, no data]

Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
FSW 663-0150 (95MW0213B)	413639.47	703230.78	47.75	-97.25	-102.25	2.50	PVC	09/05/07	33.39
FSW 663-0185 (95MW0213A)	413639.47	703230.77	47.75	-132.25	-137.25	2.50	PVC	09/05/07	33.40
FSW 670-0054	413814.61	703241.07	95.07	43.03	40.87	2.00	PVC	06/06/07	49.62
FSW 670-0064	413814.64	703241.10	95.08	32.84	30.88	2.00	PVC	06/06/07	49.64
FSW 670-0074	413814.63	703241.05	94.99	22.95	20.99	2.00	PVC	06/06/07	49.68
FSW 670-0084	413814.66	703241.08	95.13	12.89	10.93	2.00	PVC	06/06/07	49.65
FSW 670-0094	413814.65	703241.03	95.02	2.98	1.02	2.00	PVC	06/06/07	49.65
FSW 670-0109	413814.68	703241.06	95.08	-12.16	-14.12	2.00	PVC	06/06/07	49.68
FSW 670-0124	413814.68	703241.00	95.01	-27.22	-29.19	2.00	PVC	06/06/07	49.67
FSW 670-0170	413814.70	703241.03	94.96	-73.27	-75.24	2.00	PVC	06/06/07	49.66
FSW 671-0135 (03MW1023C)	413808.98	703233.61	60.38	-69.70	-74.62	1.00	PVC	09/07/07	46.83
FSW 671-0219 (03MW1023B)	413808.99	703233.61	60.38	-153.92	-158.62	2.50	PVC	09/07/07	46.80
FSW 671-0250 (03MW1023A)	413808.99	703233.61	60.38	-184.91	-189.62	2.50	PVC	09/07/07	46.81
FSW 674-0028	413738.66	703240.77	56.75	30.12	28.15	2.00	PVC	08/21/07	43.40
FSW 674-0048	413738.66	703240.77	56.64	10.60	8.64	2.00	PVC	08/21/07	43.50
FSW 674-0068	413738.66	703240.77	56.85	-9.18	-11.15	2.00	PVC	08/21/07	43.60
FSW 674-0088	413738.66	703240.77	56.67	-29.36	-31.33	2.00	PVC	08/21/07	43.50
FSW 674-0108	413738.66	703240.77	56.70	-49.33	-51.30	2.00	PVC	08/21/07	43.50
FSW 674-0128	413738.66	703240.77	56.55	-69.48	-71.45	2.00	PVC	08/21/07	43.51
FSW 675-0235 (03MW0066)	413801.82	703228.94	49.83	-180.00	-185.00	2.50	PVC	08/22/07	45.90

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
FSW 676-0100 (95MW0105)	413602.96	703246.28	35.02	-60.22	-64.78	2.50	PVC	08/30/07	24.93
FSW 677-0095 (95MW0209B)	413733.55	703258.72	80.87	-9.13	-14.13	2.50	PVC	08/30/07	42.04
FSW 677-0125 (95MW0209A)	413733.55	703258.71	80.87	-39.13	-44.13	2.50	PVC	08/30/07	42.11
FSW 678-0078 (95MW0102B)	413538.70	703354.29	51.35	-21.65	-26.65	2.50	PVC	09/11/07	16.26
FSW 678-0103 (95MW0102A)	413538.64	703354.30	51.36	-46.64	-51.64	2.50	PVC	09/11/07	16.23
FSW 679-0108 (95MW0103)	413532.02	703329.81	50.25	-52.75	-57.75	2.50	PVC	09/11/07	15.80
FSW 680-0107 (95MW0104)	413509.00	703325.28	44.94	-56.56	-61.56	2.50	PVC	09/13/07	11.09
FSW 682-0165 (95MW0206B)	413702.28	703223.51	74.41	-85.69	-90.69	2.50	PVC	09/11/07	36.92
FSW 683-0145 (95MW1233B)	413608.83	703310.36	62.59	-77.61	-82.42	2.50	PVC	08/29/07	26.23
FSW 683-0185 (95MW1233A)	413608.83	703310.36	62.59	-117.58	-122.39	2.50	PVC	08/29/07	26.32
FSW 685-0112 (95DP0202)	413512.78	703316.15	45.78	-56.22	-66.22	1.00	Steel	10/10/07	11.89
FSW 686-0010 (95DP3000)	413508.01	703301.01	16.11	7.85	6.85	0.62	Steel	10/10/07	11.20
FSW 687-0152 (95MW1170B)	413738.03	703232.18	85.74	-61.26	-66.26	2.50	PVC	08/23/07	43.61
FSW 687-0209 (95MW1170A)	413738.03	703232.18	85.74	-118.26	-123.26	2.50	PVC	08/23/07	43.77
FSW 688-0122 (95MW1171B)	413712.47	703245.27	78.47	-33.53	-43.53	2.50	PVC	08/27/07	38.80
FSW 688-0186 (95MW1171A)	413712.47	703245.27	78.47	-97.53	-107.53	2.50	PVC	08/27/07	38.68

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
FSW 689-0119 (95MW1172B)	413657.70	703246.18	75.63	-32.87	-42.87	2.50	PVC	08/23/07	36.31
FSW 689-0182 (95MW1172A)	413657.22	703246.79	75.63	-96.37	-106.37	2.50	PVC	08/23/07	36.23
FSW 690-0112 (95MW1173B)	413628.53	703300.77	66.42	-35.88	-45.88	2.50	PVC	08/29/07	30.66
FSW 690-0191 (95MW1173A)	413628.53	703300.77	66.42	-114.98	-124.98	2.50	PVC	08/29/07	27.35
FSW 691-0125 (95MW1174B)	413656.20	703240.24	74.29	-45.71	-50.71	2.50	PVC	08/23/07	36.22
FSW 691-0153 (95MW1174A)	413656.20	703240.24	74.29	-73.21	-78.21	2.50	PVC	08/23/07	36.23
FSW 692-0198 (95MW1232A)	413627.85	703305.62	66.85	-126.15	-131.15	2.50	PVC	08/29/07	30.27
FSW 693-0160 (95PW0002)	413535.70	703320.60	53.23	-86.27	-106.77	8.00	Steel	10/09/07	18.99
FSW 694-0035 (ECMWBKR01M)	413532.12	703342.09	17.87	-12.23	-17.13	2.50	PVC	08/16/07	15.37
FSW 694-0075 (ECMWBKR01D)	413532.12	703342.09	17.86	-52.14	-57.14	2.50	PVC	08/16/07	15.39
FSW 695-0106 (95MW0106)	413458.46	703324.05	41.71	-58.99	-63.99	2.50	PVC	09/13/07	8.52
SDW 106-0149 (03DP0038A)	413818.32	703237.81	69.29	-75.17	-80.17	0.75	PVC	07/23/07	49.29
SDW 107-0133 (03MW1016B)	413825.47	703240.03	85.85	-42.30	-46.87	2.50	PVC	10/12/07	49.16
SDW 107-0206 (03MW1016A)	413825.47	703240.03	85.85	-115.18	-119.75	2.50	PVC	10/12/07	49.15
SDW 112-0155 (03MW1013B)	413822.24	703239.83	79.19	-70.81	-75.81	2.50	PVC	10/02/07	48.80
SDW 112-0235 (03MW1013A)	413822.24	703239.83	79.19	-150.81	-155.81	2.50	PVC	10/02/07	48.78

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
SDW 313-0020	413817.65	703222.58	55.52	37.32	35.32	2.00	PVC	08/02/07	47.67
SDW 313-0038	413817.65	703222.58	55.52	19.42	17.42	2.00	PVC	08/02/07	47.70
SDW 313-0060	413817.65	703222.58	55.44	-1.66	-4.66	2.00	PVC	08/02/07	47.70
SDW 313-0080	413817.65	703222.58	55.42	-22.28	-24.28	2.00	PVC	08/02/07	47.70
SDW 314-0035	413819.97	703243.37	78.00	45.70	43.70	2.00	PVC	08/02/07	49.66
SDW 314-0051	413819.97	703243.37	78.09	28.79	26.79	2.00	PVC	08/02/07	49.65
SDW 314-0075	413819.97	703243.37	77.85	5.25	3.25	2.00	PVC	08/02/07	49.62
SDW 314-0098	413819.97	703243.37	77.78	-17.92	-19.92	2.00	PVC	08/02/07	49.67
SDW 314-0108 (30MW0314)	413820.09	703242.86	77.94	-25.06	-30.06	2.00	PVC	08/02/07	49.61
SDW 315-0082	413845.56	703244.75	108.38	28.17	26.17	2.00	PVC	08/06/07	54.40
SDW 315-0104	413845.56	703244.75	108.42	6.02	4.72	2.00	PVC	08/06/07	54.47
SDW 315-0126	413845.56	703244.75	108.34	-15.43	-17.43	2.00	PVC	08/06/07	54.44
SDW 315-0149	413845.56	703244.75	108.18	-39.22	-40.52	2.00	PVC	08/06/07	54.44
SDW 316-0066	413818.39	703235.05	95.47	31.67	29.67	2.00	PVC	08/29/07	48.39
SDW 316-0082	413818.39	703235.05	95.42	15.12	13.12	2.00	PVC	08/29/07	48.41
SDW 316-0163 (30MW0316A)	413818.00	703235.19	95.59	-62.92	-67.69	2.00	PVC	10/02/07	47.74
SDW 317-0027	413820.98	703243.65	68.90	51.10	42.10	2.00	PVC	06/11/07	50.63
SDW 344-0038	413815.79	703230.69	79.87	43.37	41.37	2.00	PVC	06/05/07	49.05
SDW 344-0051	413815.79	703230.69	80.29	31.35	29.38	2.00	PVC	06/05/07	48.98
SDW 344-0061	413815.79	703230.69	80.14	21.14	19.14	2.00	PVC	06/05/07	48.97

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
SDW 344-0071	413815.79	703230.69	80.27	11.42	9.45	2.00	PVC	06/05/07	48.97
SDW 344-0080	413815.79	703230.69	80.03	1.33	-0.67	2.00	PVC	06/05/07	48.96
SDW 344-0091	413815.79	703230.69	80.19	-8.73	-10.70	2.00	PVC	06/05/07	48.98
SDW 344-0100	413815.79	703230.69	79.99	-18.11	-20.01	2.00	PVC	06/05/07	49.01
SDW 344-0111	413815.79	703230.69	80.09	-28.84	-30.81	2.00	PVC	06/05/07	48.99
SDW 421-0068 (30MW0425B)	413832.71	703242.68	103.17	40.07	35.07	2.00	PVC	09/18/07	50.57
SDW 421-0084 (30MW0425A)	413832.60	703242.71	102.82	23.52	18.52	2.00	PVC	09/18/07	50.59
SDW 421-0156 (30MW0425Z)	413832.54	703242.73	102.56	-48.84	-53.84	2.00	PVC	10/15/07	49.33
SDW 421-0177 (03MW2406A)	413832.51	703242.63	102.61	-69.39	-74.39	2.50	PVC	10/15/07	50.20
SDW 422-0064 (30MW0426B)	413832.50	703239.31	102.80	44.20	39.20	2.00	PVC	09/18/07	50.40
SDW 425-0063 (30MW0417C)	413836.78	703243.29	105.52	52.42	42.22	2.00	PVC	09/18/07	51.00
SDW 434-0014 (34MW0003)	413825.46	703244.90	54.53	50.53	40.53	2.00	PVC	08/06/07	50.51
SDW 434-0025 (34MW0003B)	413825.19	703245.13	54.74	34.51	29.51	2.00	PVC	08/06/07	50.49
SDW 434-0076 (34MW0003A)	413825.13	703245.02	54.74	-15.96	-20.96	2.00	PVC	08/06/07	50.48
SDW 469-0036	413818.31	703238.09	68.99	35.41	33.44	2.00	PVC	06/25/07	49.41
SDW 469-0051	413818.31	703238.09	68.95	20.17	18.20	2.00	PVC	06/25/07	49.38
SDW 469-0066	413818.31	703238.09	69.07	5.51	3.54	2.00	PVC	06/25/07	49.40
SDW 491-0063 (30MW0430)	413832.59	703237.65	102.62	44.62	39.62	2.00	PVC	09/18/07	50.44
SDW 499-0059	413822.76	703240.11	78.93	22.03	20.06	2.00	PVC	06/22/07	50.63

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Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measurement	Altitude of water level (ft)
SDW 499-0068	413822.76	703240.11	78.87	12.86	10.88	2.00	PVC	06/22/07	50.62
SDW 499-0079	413822.76	703240.11	78.99	2.23	0.26	2.00	PVC	06/22/07	50.59
SDW 500-0060	413822.27	703240.05	79.36	21.56	19.60	2.00	PVC	06/22/07	50.55
SDW 500-0070	413822.27	703240.05	79.67	11.87	9.91	2.00	PVC	06/22/07	50.55
SDW 500-0080	413822.27	703240.05	79.53	1.66	-0.30	2.00	PVC	06/22/07	50.56
SDW 517-0054	413817.55	703232.11	98.04	45.92	43.96	2.00	PVC	08/16/07	49.70
SDW 517-0064	413817.55	703232.11	98.01	35.78	33.81	2.00	PVC	08/16/07	49.75
SDW 517-0074	413817.55	703232.11	98.04	25.87	23.91	2.00	PVC	08/16/07	49.74
SDW 517-0084	413817.55	703232.11	98.45	16.33	14.37	2.00	PVC	08/16/07	49.75
SDW 517-0094	413817.55	703232.11	98.71	6.73	4.77	2.00	PVC	08/16/07	49.75
SDW 517-0109	413817.55	703232.11	98.38	-8.74	-10.69	2.00	PVC	08/16/07	49.75
SDW 517-0124	413817.55	703232.11	98.67	-23.45	-25.41	2.00	PVC	08/16/07	49.78
SDW 517-0139	413817.55	703232.11	98.56	-38.12	-40.08	2.00	PVC	08/16/07	49.86
SDW 518-0053	413820.00	703234.55	92.82	41.74	39.78	2.00	PVC	08/06/07	49.06
SDW 518-0064	413820.00	703234.55	92.94	30.87	28.91	2.00	PVC	08/06/07	49.04
SDW 518-0074	413820.00	703234.55	93.20	21.38	19.42	2.00	PVC	08/06/07	49.07
SDW 518-0084	413820.00	703234.55	93.02	11.10	9.13	2.00	PVC	08/06/07	49.08
SDW 518-0094	413820.00	703234.55	93.24	1.35	-0.62	2.00	PVC	08/06/07	49.08
SDW 518-0109	413820.00	703234.55	93.49	-13.23	-15.20	2.00	PVC	08/06/07	49.07
SDW 518-0124	413820.00	703234.55	93.21	-28.75	-30.72	2.00	PVC	08/06/07	49.09
SDW 518-0139	413820.00	703234.55	93.22	-43.49	-45.45	2.00	PVC	08/06/07	49.09
SDW 540-0070 (03MW0102C)	413821.46	703227.74	94.45	29.45	24.45	2.50	PVC	09/24/07	47.89

Table 1. Location coordinates, land-surface and screen altitudes, well diameters, casing and screen materials, and water-level altitudes and measurement dates for monitoring wells, Ashumet Valley treated-wastewater plume, Cape Cod, Massachusetts.

[Locations of wells are shown in figures 1–3. Names shortened by removing prefix MA-. Latitude and longitude are given in degrees, minutes, and seconds relative to the North American Datum of 1927 (NAD27). Altitudes are in feet above or below (-) the National Geodetic Vertical Datum of 1929 (NGVD29). Well names in parentheses are location identifiers assigned by the Air Force Center for Engineering and the Environment. ft, feet; in., inches; PVC, polyvinyl chloride; --, no data]

Well name	Latitude	Longitude	Altitude of land surface (ft)	Altitude of top of screen (ft)	Altitude of bottom of screen (ft)	Well diameter (in.)	Well casing and screen material	Date of water-level measure- ment	Altitude of water level (ft)
SDW 553-0220 (03MW0062)	413832.87	703239.08	102.70	-112.20	-117.20	2.50	PVC	10/15/07	49.98
SDW 554-0238 (03MW0095A)	413832.37	703249.81	101.40	-131.30	-136.30	2.50	PVC	10/15/07	50.65
SDW 556-0165 (03MW1017B)	413823.14	703256.19	98.03	-62.82	-67.17	2.50	PVC	10/02/07	49.77
SDW 556-0235 (03MW1017A)	413823.14	703256.19	98.03	-132.92	-137.20	2.50	PVC	10/02/07	49.73
SDW 557-0165 (03MW2407A)	413823.90	703237.29	86.78	-73.62	-78.42	2.50	PVC	10/12/07	48.74
SDW 558-0185 (03MW2414B)	413828.28	703234.75	102.54	-77.46	-82.46	2.50	PVC	10/15/07	49.18
SDW 559-0140 (03MW2630B)	413820.08	703242.72	77.27	-57.94	-62.75	2.25	PVC	10/12/07	48.44
SDW 559-0229 (03MW2630A)	413820.08	703242.61	77.02	-147.02	-151.83	2.50	PVC	10/12/07	48.38
SDW 560-0068 (95MW0107B)	413820.31	703231.64	95.06	32.06	27.06	2.50	PVC	09/05/07	48.22
SDW 590-0074 (30MW0590)	413820.34	703246.59	94.88	24.74	19.92	2.00	PVC	08/01/07	49.92
SDW 593-0075 (30MW0593)	413821.71	703251.04	99.26	28.86	24.00	2.00	PVC	08/01/07	50.29