

Table 1. --Description of observation wells and ponds

Local well number: A sequential number that is assigned in the order in which the well was inventoried within a particular town or city. A separate series of numbers beginning with I is used within each town or city.

Site identification number: A number composed of latitude, longitude, and a two-digit sequential number. Latitude and longitude can be used to locate the site on a map. The last two digits represent a sequential number used to create unique numbers for well identification.

Principal aquifer: Eight character code to identify the lithologic unit.

- Pleistocene
 - 112SRFD stratified deposits, undifferentiated
 - 1120TSH outwash deposits
 - 112MIRN marine deposits
 - 112MORN moraine deposits, except ground moraine and drumlins
 - 112LCSR lacustrine deposits
 - 112ICCC ice-contact deposits, including eskers and kames
- Holocene
 - 111SDMN sediments, undifferentiated

Lithology of principal aquifer:
GLCL glacial (undifferentiated)

Method constructed: B, bored or augered; C, cable tool; H, hydraulic-rotary; V, driven; W, drive-wash.

Use of site: O, observation; T, test; U, unused.

Depth: The greatest depth to which the finished well can be sounded, in feet below land-surface datum.

Depth to first opening: The depth to the top of the open section, in feet below land-surface datum.

Finish: The method of finish or the nature of the openings that allows water to enter the well--G, gravel packed with screen; O, open end; P, perforated or slotted; S, sand point.

Frequency: B, bimonthly; M, monthly.

Land-surface datum (Lsd): A horizontal datum plane that is approximately at land surface at each well site.

LOCAL WELL NO.	SITE-IDENTIFICATION NUMBER	OWNER OR USER	DESCRIPTION OF AQUIFER		WELL CHARACTERISTICS							WATER-LEVEL DATA		
			PRINCIPAL AQUIFER	LITHOLOGY OF PRINCIPAL AQUIFER	METHOD CON-STRUCTED	USE OF SITE	DIAM-ETER (IN)	DEPTH (FT)	DEPTH TO FIRST OPENING (FT)	FIN-ISH	ALTI-TUDE OF LAND SURFACE DATUM (FT)	MEASUR-ING POINT ABOVE LAND SURFACE (FT)	DATE BEGIN/END	FRE-QUENCY
BARNSTABLE														
230	413956070164301	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	35.85	33	S	42.5	0.0	1-58/	M
247	414154070165001	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	52.00	49	S	44.5	2.00	11-62/	M
254	413958070214701	CENTRVLE-OSTRVL FD	112SRFD	SAND; SOME GRAVEL; SILT	--	0	2.50	40.00	--	S	47.0	.45	10-75/	B
292	414052070184201	BARNSTABLE FIRE DEPT	112SRFD	SAND	W	0	2.50	51.00	48	P	41.4	.30	10-75/	B
294	414200070191801	BARNSTABLE FIRE DEPT	112SRFD	GLCL	--	0	2.50	60.00	--	--	30.6	.15	10-75/	B
306	413930070190901	BARNSTABLE TOWN	112SRFD	SAND AND GRAVEL, FINE TO COARSE	B	0	1.25	31.00	30	S	53.4	.20	10-75/	B
307	413730070230201	BARNSTABLE TOWN	112SRFD	SAND AND GRAVEL	B	0	1.25	35.60	34	S	31.2	.30	10-75/	B
313	413913070251701	CENTRVLE-OSTRVL FD	112SRFD	--	W	0	2.50	63.00	60	S	72.6	1.58	9-75/	B
314	414158070232201	COMMONWEALTH OF MASS	112SRFD	GLCL	H	0	2.00	192.30	190	G	91.2	.0	2-76/	B
315	414158070232202	COMMONWEALTH OF MASS	112SRFD	GLCL	H	0	2.00	75.00	72	G	91.2	.0	2-76/	B
BOURNE														
27	414049070330801	CAMP EDWARDS	112SRFD	SAND, MEDIUM TO COARSE	--	0	2.50	99.96	--	S	71.2	1.20	4-76/	B
198	414129070361401	US GEOLOGICAL SURVEY	112SRFD	SAND	B	0	1.25	50.00	47	S	55.6	5.00	11-62/	M
212	414326070345001	BOURNE TOWN	112SRFD	GLCL	H	0	2.00	278.50	276	G	102.4	1.03	11-75/	B
215	414326070345004	BOURNE TOWN	112SRFD	GLCL	H	0	2.00	83.20	81	G	102.4	1.03	11-75/	B
BREWSTER														
21	414518070020301	COMMONWEALTH OF MASS	112SRFD	SAND, SOME GRAVEL	B	0	2.50	24.80	22	T	36.9	2.40	10-62/	M
22	414630070014901	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	52.00	49	S	50.5	.0	11-62/	M
44	414435070062201	BREWSTER TOWN	112MORN	SAND AND GRAVEL, MEDIUM-COARSE	H	0	2.00	278.50	276	G	102.4	1.03	11-75/	B
45	414355070050401	BREWSTER TOWN	1120TSH	SAND AND GRAVEL, MEDIUM-V. CRSE	B	0	1.25	71.20	70	S	91.5	.80	10-75/	B
CHATHAM														
138	414100070011101	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	44.00	41	S	35.3	4.77	11-62/	M
177	414140069581801	CHATHAM TOWN	112SRFD	GLCL; SAND; GRAVEL; CLAY	B	0	1.25	48.90	47	S	37.8	.0	10-75/	B
DENNIS														
100	414335070105601	DENNIS WATER DEPT	112SRFD	GLCL, SAND AND CLAY	W	0	2.50	30.00	25	S	53.2	1.15	10-75/	B
123	414402070083901	DENNIS WATER DEPT	112SRFD	SAND, FINE TO MEDIUM	W	0	2.50	58.00	53	S	37.2	.62	10-75/	B
135	414259070101701	DENNIS WATER DEPT	112SRFD	SAND, COARSE; SILT	W	0	2.50	45.00	40	S	25.5	.44	10-75/	B
157	414255070083101	DENNIS WATER DEPT	112SRFD	SAND	W	0	2.50	48.00	--	S	29.4	1.20	10-75/	B
158	414210070090901	DENNIS WATER DEPT	112SRFD	SAND	W	0	2.50	57.50	--	S	35.9	2.31	10-75/	B
172	414108070080601	DENNIS WATER DEPT	112SRFD	GLCL	H	0	8.00	294.00	284	G	15.0	2.30	4-76/	B
173	414108070080602	DENNIS WATER DEPT	112SRFD	SAND	W	T	2.50	172.17	162	S	15.0	1.43	4-76/	B
247	414352070102601	DENNIS WATER DEPT	112SRFD	SAND AND GRAVEL	W	0	2.50	100.00	95	S	70.0	1.10	2-79/	B
EASTHAM														
36	415125069581501	CAPE COD NATL SEA	112SRFD	SAND AND GRAVEL	B	0	1.25	62.20	61	S	55.1	.0	10-75/	B
37	414959069595001	EASTHAM TOWN	112SRFD	SAND AND GRAVEL	B	0	1.25	27.20	26	S	26.8	0.0	10-75/	B

Table 1.--Description of observation wells and ponds (Continued)

LOCAL WELL NO.	SITE-IDENTIFICATION NUMBER	OWNER OR USER	DESCRIPTION OF AQUIFER		WELL CHARACTERISTICS						WATER-LEVEL DATA			
			PRINCIPAL AQUIFER	LITHOLOGY OF PRINCIPAL AQUIFER	METHOD USED	DIAMETER (IN)	DEPTH (FT)	DEPTH TO FIRST OPENING (FT)	FINISH OF SURFACE DATUM (FT)	ALTITUDE OF LAND SURFACE (FT)	MEASURING POINT ABOVE LAND SURFACE (FT)	DATE BEGIN/END	FREQUENCY	
FALMOUTH														
5	413449070322401	FALMOUTH WATER DEPT	112SRFD	SAND	V	0	2.50	50.00	--	--	10.9	0.50	8-50/6-80	-
167	413737070330301	FALMOUTH WATER DEPT	1120TSH	SAND AND GRAVEL	W	0	2.50	55.00	50	S	54.4	.42	11-75/	B
172	413522070373601	FALMOUTH WATER DEPT	112SRFD	SAND AND GRAVEL	W	0	2.50	73.00	68	S	30.8	.90	9-75/	B
173	413631070331801	FALMOUTH WATER DEPT	1120TSH	SAND AND GRAVEL	W	0	2.50	69.00	64	S	35.8	1.50	10-75/	B
179	413842070362101	COMMONWEALTH OF MASS	112MORN	--	B	0	1.25	52.50	51	S	54.3	.0	9-75/	B
181	413412070353501	FALMOUTH TOWN	112SRFD	--	B	0	1.25	48.60	47	P	29.3	.26	10-75/5-82	-
HARWICH														
141	414306070002701	HARWICH WATER DEPT	112SRFD	SAND AND GRAVEL	W	0	2.50	75.00	--	S	53.0	.75	10-75/	B
145	414229070062501	HARWICH WATER DEPT	112SRFD	SAND AND GRAVEL; SILTY BELOW 56FT	W	0	2.50	45.00	40	S	40.4	2.45	10-75/	B
148	414111070041801	HARWICH TOWN	112SRFD	GLCL, SAND; GRAVEL; CLAY	B	0	1.25	46.60	45	S	58.8	.40	10-75/	B
MASHPEE														
19	413645070304701	MASHPEE TOWN	112SRFD	SAND AND GRAVEL, MEDIUM-COARSE	B	0	1.25	46.25	45	S	49.7	.40	10-75/	B
26	413525070291901	MASHPEE TOWN	1120TSH	SAND	H	0	2.00	308.00	305	G	15.8	1.36	2-76/	B
29	413525070291904	MASHPEE TOWN	1120TSH	SAND	H	0	2.00	40.00	37	G	15.8	1.36	2-76/	B
ORLEANS														
22	414726069581601	ORLEANS TOWN	112SRFD	SAND AND GRAVEL	B	0	1.25	52.00	51	S	39.1	.90	10-75/	B
24	414507069592901	ORLEANS TOWN	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	67.90	66	S	65.8	.15	10-75/	B
25	414641070001001	COMMONWEALTH OF MASS	112SRFD	SAND, FINE TO COARSE	B	0	1.25	77.60	76	S	79.1	.0	10-75/	B
PROVINCETOWN														
78	420355070112302	PROVINCETOWN WATER D	111SDMN	SAND AND GRAVEL, MEDIUM-COARSE	W	0	2.50	40.00	35	S	15.0	2.70	9-75/	B
SANDWICH														
252	414418070241601	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	B	0	1.25	57.00	54	S	53.5	1.00	11-62/	M
253	414124070265901	US GEOLOGICAL SURVEY	1120TSH	SAND, MEDIUM-COARSE; SOME GRAVEL	B	0	1.25	70.00	67	S	111.2	3.00	11-62/	M
258	413958070281801	SANDWICH TOWN	112SRFD	GLCL; SAND; SILT; CLAY	B	0	1.25	83.60	82	S	107.4	.40	10-75/	B
260	414411070272501	US GEOLOGICAL SURVEY	112SRFD	SAND	C	0	2.50	90.35	88	S	115.0	.65	11-75/	B
261	414337070292501	US GEOLOGICAL SURVEY	112SRFD	SAND	C	0	2.50	160.13	158	S	200.4	.37	11-75/	B
263	414523070311901	US GEOLOGICAL SURVEY	112SRFD	SAND, MEDIUM TO COARSE	C	0	2.50	110.97	108	S	129.3	.40	12-75/	B
TRURO														
1	420239070062001	PROVINCETOWN WATER D	112SRFD	SAND AND GRAVEL	V	0	1.25	68.40	--	T	13.0	3.50	8-50/	M
89	420206070045901	US GEOLOGICAL SURVEY	112SRFD	SAND	B	0	1.25	27.70	22	S	17.0	1.70	9-62/	M
92	420313070061901	CAPE COD NATL SEA	112SRFD	GLCL, SAND, SILT	H	0	6.00	64.30	59	-	59.0	3.40	6-64/	B
179	415940070025701	COMMONWEALTH OF MASS	112SRFD	--	V	0	0.50	9.70	--	O	9.0	.80	5-73/	B
203	420051070024805	CAPE COD NATL SEA	112SRFD	SAND, FINE TO VERY COARSE	W	0	1.25	35.40	32	S	26.0	2.10	9-73/	B
216	415843070035901	CAPE COD NATL SEA	112SRFD	SAND GRAVEL	B	0	1.25	100.50	107	S	103.1	1.00	9-75/	B
WELLFLEET														
17	415353069585401	CAPE COD NATL SEA	112SRFD	SAND	W	0	2.50	42.50	--	-	19.0	1.13	11-62/	M
30	415638070011501	WELLFLEET TOWN	112SRFD	SAND, FINE MEDIUM	W	0	2.50	83.00	73	S	15.8	1.70	9-75/	B
34	415722070010001	WELLFLEET TOWN	112SRFD	SAND AND GRAVEL	W	0	2.50	55.00	45	S	15.7	1.65	9-75/	B
108	415732070000401	CAPE COD NATL SEA	112SRFD	SAND	B	0	2.00	36.70	34	S	38.8	1.00	9-78/	B
YARMOUTH														
85	414059070153301	--	112SRFD	--	--	0	2.00	59.90	--	--	33.7	1.33	10-75/	B
89	414051070130301	YARMOUTH WATER DEPT	112SRFD	--	--	0	2.00	23.50	--	--	21.5	1.57	10-75/	B
93	414219070131101	BASS R ROD & GUN C	112SRFD	--	B	0	1.25	52.45	51	S	31.7	.16	10-75/	B
94	413917070141001	YARMOUTH TOWN	112SRFD	--	B	0	1.25	25.99	24	S	20.0	1.01	10-75/	B
96	413950070114801	YARMOUTH TOWN	112SRFD	--	B	0	1.25	26.85	25	S	21.2	.90	10-75/	B
98	414202070142501	YARMOUTH WATER DEPT	112SRFD	SAND, MEDIUM TO COARSE	C	0	2.50	85.05	83	S	84.1	.60	12-75/	B

POND	TOWN	LATITUDE-LONGITUDE	BENCH MARK ELEVATION ABOVE MEAN SEA LEVEL (FEET)	BEGIN DATE
ASHUMET	FALMOUTH	4137580703205	45.52	12-72
CROCKER	FALMOUTH	4137000703701	17.56	6-74
GREAT	TRURO	4158270700149	12.11	5-74
GULL	WELLFLEET	4157230700029	9.58	5-74
HORSELEECH	TRURO	4158090700019	8.93	4-74
JEMIMA	EASTHAM	4149460695906	10.14	6-74
RYDER	TRURO	4158010700152	9.40	5-74
SNAKE	SANDWICH	4140580703015	71.36	5-74
SPECTACLE	SANDWICH	4142100702726	70.92	6-74
WHITE	CHATHAM	4141150695904	17.15	6-74

TABLE 2.--WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM

BARNSTABLE 230. SITE NUMBER 413956070164301.
 HIGHEST WATER LEVEL 21.06, MAY 15, 1973; LOWEST WATER LEVEL 26.22, OCT 25, 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31, 1958	22.99	MAR 29, 1967	24.29	SEP 10, 1968	24.25	NOV 05, 1969	25.32
FEB 28	23.25	APR 25	23.98	15	24.31	10	25.09
JAN 27, 1959	23.26	MAY 31	21.84	20	24.37	15	24.83
FEB 02	22.65	JUN 27	22.11	25	24.44	20	24.61
MAR 31	21.99	JUL 26	22.73	30	24.51	25	24.46
APR 30	21.79	AUG 10	22.80	OCT 05	24.57	30	24.35
MAY 31	22.08	15	22.80	10	24.66	DEC 05	24.40
JUL 31	22.34	20	22.80	15	24.71	10	24.40
AUG 31	23.23	25	22.81	20	24.79	15	24.30
JAN 31, 1960	23.20	31	22.53	25	24.84	20	24.15
FEB 28	22.11	SEP 05	22.38	31	24.93	25	23.97
MAR 29	22.21	10	22.39	NOV 05	25.01	31	22.92
APR 30	21.50	15	22.51	10	25.10	JAN 05, 1970	22.62
MAY 31	22.04	20	22.63	15	24.97	10	22.60
JUN 30	22.50	25	22.70	20	24.92	15	22.64
JUL 31	23.07	30	22.81	25	24.92	20	22.71
AUG 31	23.70	OCT 05	22.86	30	24.97	25	22.81
SEP 30	24.16	10	22.94	DEC 05	24.99	31	22.94
OCT 31	24.60	15	23.03	10	25.00	FEB 05	22.97
NOV 30	24.84	20	23.11	15	24.97	10	22.75
DEC 31	24.30	25	23.22	20	24.98	15	22.52
JAN 31, 1961	23.88	31	23.34	25	24.96	20	22.40
FEB 28	23.40	NOV 05	23.43	31	24.72	25	22.38
MAR 30	22.86	10	23.54	JAN 05, 1969	24.34	28	22.42
MAY 31	22.95	15	23.64	10	24.14	MAR 05	22.60
JUL 31	23.38	20	23.72	15	24.08	10	22.58
OCT 31	23.08	25	23.69	20	24.06	15	22.71
NOV 30	22.98	30	23.66	25	24.07	20	22.81
APR 28, 1962	22.13	DEC 05	23.65	31	24.14	25	22.87
SEP 26	23.95	10	23.61	FEB 05	24.21	31	22.94
OCT 30	23.82	15	23.53	10	24.19	APR 05	22.44
NOV 29	23.06	20	23.49	15	24.13	10	21.90
DEC 28	23.14	25	23.42	20	24.12	15	21.83
JAN 31, 1963	23.09	31	23.29	25	24.02	20	21.95
FEB 28	22.41	JAN 05, 1968	23.13	28	23.83	25	22.05
MAR 31	22.07	10	23.02	MAR 05	23.48	30	22.20
APR 30	22.36	15	22.90	10	23.16	MAY 05	22.29
MAY 29	22.75	20	22.88	15	22.88	10	22.42
JUN 28	22.96	25	22.92	20	22.68	15	22.56
JUL 31	23.62	31	22.87	25	22.58	20	22.66
AUG 29	24.13	FEB 05	22.82	31	22.65	25	22.77
SEP 30	24.40	10	22.80	APR 05	22.63	31	22.90
OCT 25	24.73	15	22.88	10	22.61	JUN 05	23.02
NOV 30	24.42	20	22.96	15	22.60	10	23.09
DEC 30	24.47	25	23.07	20	22.58	15	23.15
JAN 31, 1964	23.70	29	23.07	25	22.50	20	23.21
FEB 28	23.27	MAR 05	23.18	30	22.39	25	23.32
MAR 30	22.83	10	23.26	MAY 05	22.29	30	23.37
APR 28	21.96	15	22.99	10	22.28	JUL 05	23.43
MAY 27	22.62	20	22.85	15	22.34	10	23.49
JUN 30	23.48	25	22.65	20	22.46	15	23.56
JUL 29	24.02	31	22.34	25	22.58	20	23.60
AUG 31	24.59	APR 05	22.28	31	22.69	25	23.67
SEP 28	24.92	10	22.26	JUN 05	22.82	31	23.79
OCT 27	24.83	15	22.37	10	22.94	AUG 05	23.89
NOV 24	25.06	20	22.43	15	23.07	10	23.96
DEC 29	24.82	25	22.57	20	23.16	15	24.05
JAN 29, 1965	24.32	30	22.67	25	23.27	20	24.13
FEB 28	23.79	MAY 05	22.75	30	23.35	25	24.20
MAR 29	23.81	10	22.86	JUL 05	23.47	31	24.30
APR 28	23.96	15	22.92	10	23.62	SEP 05	24.38
MAY 28	24.29	20	22.97	15	23.75	10	24.47
JUN 28	24.77	25	23.05	20	23.86	15	24.58
JUL 28	25.22	31	23.09	25	23.96	20	24.66
AUG 26	25.59	JUN 05	23.15	31	24.08	25	24.74
SEP 28	25.70	10	23.20	AUG 05	24.17	30	24.80
OCT 27	25.87	15	23.22	10	24.25	OCT 05	24.92
NOV 23	25.99	20	23.26	15	24.34	10	25.00
DEC 26	26.06	25	23.28	20	24.42	15	25.09
JAN 31, 1966	26.10	30	23.21	25	24.51	20	25.19
FEB 28	25.68	JUL 05	23.23	31	24.63	25	25.19
MAR 21	25.38	10	23.26	SEP 05	24.76	31	25.25
APR 25	25.58	15	23.32	10	24.69	NOV 05	25.00
MAY 29	25.71	20	23.37	15	24.66	10	24.84
JUN 23	24.90	25	23.46	20	24.80	15	24.73
JUL 21	25.46	31	23.57	25	24.86	20	24.69
AUG 25	26.03	AUG 05	23.66	30	24.94	25	24.70
SEP 27	26.14	10	23.74	OCT 05	25.00	30	24.72
OCT 25	26.22	15	23.82	10	25.05	DEC 05	24.63
NOV 28	25.51	20	23.90	15	25.13	10	24.68
DEC 21	25.78	25	23.97	20	25.19	15	24.71
JAN 27, 1967	25.53	31	24.08	25	25.26	20	24.69
FEB 28	25.45	SEP 05	24.17	31	25.33	25	24.64