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GEOLOGICAL SURVEY

Data on Wells and Test Borings  
in the Slocum Quadrangle, R. I.

By

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Prepared in cooperation with the  
Rhode Island Development Council.

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Slocum Quadrangle, R. I.

By

Glenn W. Hahn

Purpose and Scope of Report

This report is prepared at the request of the Rhode Island Development Council in order to make readily available basic well data for the Slocum quadrangle in southern Rhode Island. An interpretive report describing the geologic and hydrologic features is in preparation, but the basic data are presented herein in advance because of anticipated need for the information.

The data comprise records of 370 wells and 14 springs (table 1); detailed logs of 27 wells (table 2); and chemical analyses of water from 10 wells and one river (table 3). Wells and springs are located on the U.S. Geological Survey topographic map of the Slocum quadrangle (plate 1). These data were selected as the most representative for the area. Additional data are on file at the Providence office of the U. S. Geological Survey.

Explanation of Data

Each well and spring is numbered serially beginning with 1, but a separate series is used for wells in each town. The appropriate town is designated by prefix letters indicating the town name. For example, those in East Greenwich are indicated by "Egr.", those in Exeter by "Exe.", those in North Kingstown by "Nok.", in Richmond by

"Ric.", in South Kingstown by "Sok.", and in West Greenwich by "Wgr.". The prefixes are omitted from plate 1 because the town names and boundaries appear on the map.

With respect to the logs (table 2), where the driller's record is used, the designation of material penetrated is reasonably accurate. In the case of other drilled wells and some dug wells the description of the material as reported by the owner also may be fairly accurate. In the case of driven wells, the character of the material as reported is subject to some question. For wells having no reliable record, the nature of the material as exposed at the land surface or as suggested by its topographic expression is used as a guide.



TABLE I --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND  
Location of wells and springs is shown on pl. I

Well number: For explanation of numbering system for wells and springs see text p. I  
Location: For explanation of location symbols see text p. I  
Altitude above sea level: Approximate altitude of land surface from U. S. Geological Survey topographic maps.  
Type of wells: Drl, drilled; Drv, driven;

Yield: Maximum reported yield; gpm, gallons per minute.  
Water-bearing materials: B, boulders; C, clay; G, gravel; R, bedrock; S, sand; T, till.  
Use: A, abandoned; D, domestic; I, industrial; O, U. S. Geological Survey observation well; PS, public supply; S, stock; T, test well.  
Remarks: gpd, gallons per day.

Town of East Greenwich

Well No.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Wgr. 98	C	H. Waterman	240	Drl	160	6	35	--	--	--	--	R	D	Water reported soft.
99	C	B. A. Grabbert	235	Drl	108	6	35	1949	3	23	--	R	D	Water reported hard and high in iron.
100	C	E. P. Madden	255	Dug	24.3	36	--	Sept. 2, 1954	--	21.6	51	S,G	D	Water reported hard.
102	C	J. C. B. Washburn	265	Dug	17.6	24	--	do.	--	13.9	56	S,G	D,S	Water reported hard and high in iron.
104	C	M. Meller	265	Dug	15.4	36	--	do.	--	11.5	--	S,G	D	Well has gone dry. Water reported soft.
105	C	C. Kettelle	265	Dug	16.2	36	--	do.	--	10.5	58	S,G	D	Water reported soft.
106	C	H. Kettelle	265	Dug	14.4	36	--	do.	--	7.4	61	B,G	D,S	do.
107	C	C. Knight	265	Dug	9.9	30	--	do.	--	2.3	63	S,G	D	do.
108	C	E. E. Olson	250	Dug	39.1	36	--	Sept. 3, 1954	--	17.3	--	B,S,G	D	
110	C	C. Gifford	285	Dug	22	30	22	--	--	--	--	T	D,S	Well has gone dry. Water reported hard.
111	C	do.	265	Dug	5.8	48	--	Sept. 3, 1954	--	1.3	--	S,G	D,S	Water reported soft.
112	C	R. I. Mosher	265	Dug	12.6	36	--	do.	--	8.8	57	S,G	D	do.
113	C	J. J. Hager	285	Drl	350	6	12	--	--	--	--	R	D	do.
114	C	T. Welch	315	Dug	11.9	36	--	Sept. 3, 1954	--	6.1	--	T	D	do.
115	B	R. Siire	295	Dug	13.4	36	13.4	do.	--	9.5	59	T	D	Well goes dry. Water reported hard.
116	B	H. G. Calder	285	Dug	12.7	36	--	do.	--	6.7	58	S,G	A	
117	C	W. Clements, Jr.	395	Dug	19	36	--	May 1954	--	11.5	--	T	D	Well goes dry. Water reported soft.
118	B	N. Fusani	425	Dug	18.4	20	--	Sept. 7, 1954	--	13.9	54	T	A	
119	C	F. B. Moran	395	Dug	15.2	36	--	do.	--	5.6	57	T	D	Water reported soft.
120	C	W. Rogoaki	385	Dug	6.6	48	--	do.	--	3.4	61	T	A	
121	C	C. H. Shippee	335	Dug	19.7	36	--	do.	--	14.3	53	T	D	

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of East Greenwich--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Egr. 122	C	F. Tarbox	315	Dug	12.4	30	--	Sept. 7, 1954	--	6.5	59	S,G,B	D	Water reported soft and high in iron.
123	C	S. H. Reynolds	325	Dug	14.8	36	--	do.	--	10.0	58	S,G,B	D	do.
124	C	do.	315	Dug	11.2	36	--	do.	--	6.5	--	S,G,B	S	do.
125	C	H. L. Northup	315	Dug	13.2	24	--	do.	--	9.0	58	T	D	Well has gone dry. Water reported soft.
126	C	R. Salisbury	315	Dug	20.2	30	--	do.	--	16.8	55	T	A	
127	C	W. Card	305	Dug	22.8	36	--	Sept. 8, 1954	--	9.7	60	T	D,S	Water reported soft.
128	C	L. Roy	235	Dug	11	30	--	do.	--	6	--	T	D	Well has gone dry. Water reported hard.
130	C	D. M. Bosh	175	Dug	24.3	36	--	do.	--	10.2	60	S,G,B	A	Water reported hard.
131	C	L. A. Sumner	175	Dr1	60	6	20	1950	--	20	--	R	D	do.
132	C	J. R. Weedon	130	Dug	18.6	36	--	Sept. 8, 1954	--	15.1	53	T	D	Water reported soft.
133	C	F. X. Casavant	140	Dug	23.0	36	--	do.	--	16.1	53	T	D	do.
135	C	W. H. Dowell	215	Dug	22.3	36	--	Sept. 9, 1954	--	20.3	53	T	D	
136	C	F. Robinson	205	--	--	--	--	--	--	--	52	T	D	Spring.
137	C	V. Muling	225	Dug	16.8	36	12	Sept. 9, 1954	--	9.0	56	G,R	D	Water reported soft.
138	C	D. Belleau	230	Dug	34.6	36	--	do.	--	30.5	--	T	A	
140	C	H. Johnson	145	Dug	23.0	36	--	Sept. 10, 1954	2	21.1	51	S,B	D	
142	C	F. C. Tanner	205	Dr1	150	6	22	Nov. 1949	5	20	59	R	D	Water reported hard. 1/
144	C	G. Graham	220	Dug	9.3	30	9.3	Sept. 22, 1954	--	2.4	53	S,G	D	Water reported soft. Summer use only

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 8	E	R. I. Dept. of Social Welfare, Exeter School	155	Dug	16.8	30	--	July 9, 1946	49	12.2	--	S, G		Used for fire protection. 1/
9	E	do.	155	Drv	78	2-1/2	--	--	--	--	--	S, G	A	Well never used because of fine sand. 2/
10-21	E	do.	155	Drv	40	2-1/2	--	July 9, 1946	--	11.4	--	S, G	A	Did not yield enough water. 1/ Exe. 16 is U.S.G.S. observation well.
22-24	E	do.	150	Drv	40	2-1/2	--	--	--	--	--	S	--	Never used.
25	E	do.	165	Drv	18	2-1/2	--	--	25	--	--	S	--	do.
26	F	do.	150	Dug	9	240	--	June 9, 1946	250	3	--	S, G	A	Formerly used to wash gravel. 1/
27	F	L. King and C. LaFarge	210	Dug	20	30	--	do.	--	18	--	T	D	Water reported soft.
28	F	G. C. Godwin	210	Dug	16.7	30	--	do.	--	10.1	--	T	D	Well goes dry.
29	F	do.	200	Drl	150	6	35	Feb. 1948	12	17	--	R	D	
30	E	A. S. Brownell	165	Dug	10.7	30	--	Aug. 9, 1946	--	9	--	S	A	Well goes dry. Water reported soft.
31	E	E. E. Pierce	160	Dug	8.3	30	--	do.	--	8.5	--	S	A	
32	E	L. A. Records	215	Drl	71.4	6	15	July 9, 1946	--	11.5	--	R	D, S	Water reported soft.
33	E	R. I. Dept. of Social Welfare, Exeter School	150	Drl	48	12	--	Apr. 29, 1947	260	10.6	52	S, G	PS	163,000 gpd used by Exe. 33 and 39 for institution and farm. 1,2/
34	E	do.	155	Drl	102	8	96	Dec. 6, 1946	20	11.9	--	G	T	Test well 2. 2/
35	E	do.	155	Drl	67	8	--	Dec. 13, 1946	--	11.5	--	S, G	T	Test well 3. 2/
36	E	do.	148	Drl	47	8	45	Dec. 17, 1946	27	10.7	--	S, G	T	Test well 4. 2/
37	E	do.	148	Drl	25	8	--	Dec. 23, 1946	--	9.0	--	S, G	T	Test well 5. 2/
38	E	do.	148	Drl	48.5	8	47	Jan. 1, 1947	--	10	--	S, G	T	Test well 6. 2/
39	E	do.	140	Drl	55	12	65	May 13, 1947	350	6.2	49	S, G	PS	See Exe. 33. 1,2/
42	J	Baptist Camp of R. I., Inc.	150	Drl	30	6	--	Mar. 20, 1950	30	7.8	50	S, G	PS	Summer supply for 140 people.
43	F	do.	165	Dug	36	30	--	July 1949	--	25	--	S	PS	Summer supply for 50 people.
44	J	F. Knipe	120	Dug	11.0	24	--	July 29, 1952	3	7.5	--	S, G	D	Water reported soft.
46	J	H. Kenyon	200	Drl	260	6	40	Aug. 4, 1952	--	25	--	R	D, S	
47	J	A. Rankine	230	Dug	22.7	24	--	do.	--	17.6	--	T	D	
48	J	A. J. LaPrise	165	Drl	250	8	20	1936	10	--	--	R	D	

TABLE I --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. I

Town of Exeter--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of Well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 49	J	D. L. Duncan	205	Dug	19.9	24	—	July 29, 1952	—	14.8	—	T	D,S	Water reported hard.
50	F	J. T. Gardner	170	Drl	101	8	80	1932	28	30	—	R	D	Water reported soft.
51	F	A. E. Albert	170	Drl	200	8	80	1936	40	—	—	R	D	Water reported hard.
53	F	E. Palmer	175	Dug	23.6	30	—	Aug. 7, 1952	—	20.2	—	S,G	D	Well has gone dry.
54	F	R. B. Palmer	170	Drl	131	8	70	Jan. 1944	4-1/2	26	—	R	D	
55	H	H. A. Jones	210	Drl	92	6	18	Jan. 1950	8	16	—	R	D	Water reported soft.
57	H.	E. R. Burling	215	Drl	80	6	30	May 1949	5	24	—	R	D	
58	H	E. Gould	215	Drl	36	6	—	1950	6	12	55	G	D	Water reported soft.
59	H	G. Poyton	195	Drl	110	6	21	1948	20	12	—	R	D	Water reported hard.
60	H	R. I. Department of Roads & Parks	180	Drl	26	6	—	Sept. 1953	50	flows	50	S,G	PS	Water supply for picnic area.
62	H	A. Rice	220	Dug	10.4	24	10.4	Aug. 12, 1952	—	5.0	56	S,G	D	Water reported high in iron.
63	H	E. J. Moon	205	Dug	11.5	24	—	do.	—	6.8	—	S,G	A	
64	J	J. H. Hanks	220	Dug	17.0	30	—	do.	—	13.1	—	T	D	
65	F	W. A. Battier	205	Dug	14.5	30	14.5	do.	—	10.3	—	T	D	
66	F	do.	200	Dug	11.2	30	—	do.	—	0.5	—	T	D	
67	F	E. E. Stone	265	Drl	53	6	25	Jan. 1946	6	10	—	R	D	
68	F	M. E. Andrews	250	Drl	121	6	8	Aug. 13, 1952	2	14	—	R	D	Water reported soft.
69	F	T. R. Connerton	230	Dug	14.5	24	14.5	do.	—	2.4	—	S	D	
70	F	do.	240	Drl	58	6	14	1950	20	—	—	R	D	
71	F	W. Kenyon	225	Drl	72	6	17	Jan. 1942	7	26	—	R	D	
72	F	M. Morris	220	Dug	47.1	24	47.1	Aug. 13, 1952	—	40.2	—	S	D	
74	F	J. B. Brooks	285	Drl	258	6	60	Feb. 1944	7	18	—	R	D	Water reported hard.
78	F	G. Fulford	255	Drl	150	6	26	Jan. 1942	1	33	—	R	D	Water reported hard and high in iron.
79	F	C. Fulford	235	Drl	114	6	31	Dec. 1950	4	30	—	R	D	Water reported soft.
81	E	H. Hawksley	210	Dug	26.1	30	26.1	Aug. 10, 1952	—	21.5	—	G	D	Water reported hard.



TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of Exeter--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 82	E	D. E. Slocum	200	Drl	50	6	20	1945	25	--	--	R	D	Water reported hard.
83	E	G. Helliwell	205	Drl	50	6	17	1942	30	17	--	R	D,S	
85	F	E. Schartner	200	Dug	37.0	30	--	Aug. 22, 1952	--	27.2	--	G	D,S	Water reported soft.
86	F	do.	200	Dug	34	30	--	do.	--	26	--	G	A	do.
87	F	W. H. Barton	200	Drl	45	6	--	1947	5	22	--	G	D,S	do.
88	F	R. P. Sweet	200	Dug	32	30	--	Aug. 22, 1952	--	30	--	G	D	Well has gone dry. Water reported hard.
89	C	J. Beede	300	Drl	154	6	60	1952	17	30	--	R	D,S	Water reported soft.
90	C	H. R. Grant	295	Dug	21.0	30	--	Aug. 26, 1952	--	15.0	--	T	D	Water reported hard.
91	C	W. Bourassa	300	Drl	120	6	50	1952	3	20	--	R	D	
92	C	R. Hornik	340	Dug	30	30	30	--	--	--	--	T	D,S	Well has gone dry. Water reported soft.
93	E	A. Brown	290	Dug	23	30	23	Aug. 28, 1952	--	16.5	--	T	D	Water reported soft.
94	E	do.	295	Drl	75	6	12	Nov. 1943	4-1/2	14	--	R	D	do.
95	E	C. L. Esleck	310	Dug	27.8	30	8	Aug. 28, 1952	--	19.3	53	R	D	Well has gone dry. Water reported soft.
96	A	Town of Exeter, Exeter Elementary School	390	Drl	54.6	6	12	April 1952	3	18	53	R	PS	(1)
200	H	James A. Woodmansee	130	--	--	--	--	July 16, 1954	1 3/4	--	57	S,G	D	Spring. Water reported soft.
201	H	Miskania Camp	140	Drl	113	6	17	April 1950	4	17	--	R	D	Water reported soft. 2/
202	H	Capt. Epply	130	Dug	9.0	36	--	July 16, 1954	--	5.7	--	S,G	D	Water reported hard.
203	H	L. D. Lopez	245	Drl	75	8	24	Nov. 1952	20	20	--	R	D	Water reported soft.
204	H	W. E. Boss	170	--	--	--	--	July 19, 1954	1 3/4	--	54	T	D	Spring. Water reported soft.
205	H	F. Knight	160	Dug	19.9	30	--	July 20, 1954	--	17	--	S,G	D	Well goes dry. Water reported soft.
206	G	F. Brown	155	Dug	11.7	30	--	do.	--	9.5	--	S,G	B,S	
207	G	S. MacDonald	170	Drl	160	6	30	Aug. 11, 1954	--	30	--	R	D,S	Water reported hard.
208	G	H. Brown	190	--	2	--	2	--	1 3/4	--	54	T	D	Spring. Water reported soft.
209	G	H. Edgar	180	Dug	8.2	30	--	July 20, 1954	--	7.4	--	S,G	D	

TABLE 1.—RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND—Continued  
Location of wells and springs is shown on pl. 1

Town of Exeter—Continued

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Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 210	G	E. Whitford	185	Dug	16	30	12	Aug. 25, 1954	--	10	--	R	D	Water reported hard.
211	G	W. Allen	240	Dug	25	30	25	--	--	--	52	T	D	Water reported soft.
212	G	A. DeCosta	260	--	4	--	4	July 20, 1954	1 3/4	--	54	T	D,S	Spring.
213	G	M. V. Hoxie	195	Dug	18	30	18	do.	--	12	--	T	D	Water reported soft.
214	G	do.	200	--	2	--	2	do.	--	--	56	T	--	Spring.
215	G	H. Gavitt	250	Dug	13.3	36	13.3	do.	--	9.7	--	T	D	Well has gone dry.
216	H	R. Halliwell	125	Dug	7.3	36	--	do.	--	5.4	--	S,G	D	Water reported soft.
217	G	J. B. Brown	280	Dug	21.1	30	21.1	do.	--	20.1	--	T	D	Well goes dry.
218	G	W. T. Sherman	350	Dug	22.5	30	22.5	July 22, 1954	--	16.2	--	T	D,S	Well has gone dry. Water reported hard.
219	D	W. P. Kuehne	330	Dug	10.1	30	--	do.	--	7.5	--	T	A	
220	E	Warwick Sportmen's Association	180	Dug	22.2	36	22.2	July 23, 1954	--	17.7	52	T	A	
221	D	G. P. Metcalf	180	Dr1	226	6	28	1949	50	6	--	R	D	Water reported hard and high in iron.
222	G	do.	180	Dug	13	192	--	July 23, 1954	--	4.0	58	S,G	A	Water reported corrosive.
223	D	do.	190	Dug	20.2	36	--	do.	--	14.8	--	T	A	
224	D	do.	280	Dug	19.3	30	19.3	do.	--	17.3	--	T	D	Well goes dry. Water reported hard and corrosive.
225	D	do.	260	Dug	11.8	48	--	do.	22	3.5	--	T	D,S	Water reported soft and corrosive.
226	E	E. Peek	165	Dug	12.6	30	12.6	do.	--	11.0	57	S,G	D	Water reported soft.
227	E	C. V. Knight	255	Dug	34.6	30	34.6	do.	--	29.1	52	T	A	
228	E	J. A. Fernstrom	255	Dug	20	30	20	--	--	--	--	T	D,S	Water reported soft.
229	E	L. E. Peek	245	Dug	19.6	30	19.6	July 23, 1954	--	18.2	--	T	D,S	Water reported soft and high in iron.
230	D	G. P. Metcalf	285	Dug	19.1	30	--	do.	--	10.4	58	T	A	
231	D	do.	320	Dug	13.9	30	--	do.	--	11.0	56	T	A	
232	D	K. A. Smith	410	Dug	28.5	30	28.5	July 27, 1954	--	19.1	49	T	D	
233	D	B. Jones	440	--	--	--	0	do.	1 3/4	--	50	T	D	Spring.

TABLE I --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. I

Town of Exeter--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 234	D	V. J. Catley	525	Dug	17.5	36	5.5	July 27, 1954	--	Dry	--	R	D	
236	D	W. A. Greene	360	Dug	22	36	22	do.	--	14	55	T	D	Water reported soft.
237	D	L. Whitford	360	Dug	24.3	30	24.3	do.	--	18.2	--	T	D	Water reported hard and high in iron.
238	D	I. & J. Tefft	330	Dug	14.4	24	--	do.	--	12.9	--	T	D	Water reported soft.
239	D	L. Joslin	300	Dug	14	30	--	July 27, 1954	--	13.0	--	T	D	
240	D	G. P. Metcalf	295	Dug	25	24	--	July 28, 1954	--	21.6	49	S,G	D,S	Well goes dry. Water reported hard.
241	D	do.	330	Dug	11.4	24	--	do.	--	10.2	53	T	D	Water reported hard.
243	E	Sebowish Lodge	230	Dug	15.7	30	--	do.	--	11.6	53	T	A	
244	E	I. G. Lusignan	220	Dug	9.6	30	--	do.	--	7.9	--	T	D	Well has gone dry. Water reported soft.
245	E	do.	220	Dug	9.6	30	--	do.	--	8.0	56	T	D	Well has gone dry.
247	D	C. Barnes	260	Dug	15.9	36	--	do.	--	13.0	--	T	D	
248	E	J. Reynolds	220	Dug	15.2	24	15.2	do.	--	9.8	53	T	D	Well has gone dry. Water reported soft.
250	E	W. R. Laporte	220	Dr1	99	6	19	Jan. 1953	1/2	17	--	R	D	Water reported soft.
251	E	J. Hathaway	210	Dug	11.6	36	--	July 28, 1954	--	9.6	--	S,G	D	do.
252	E	C. Brewer	230	Dr1	58	6	17	1947	1	--	--	R	D	Water reported hard.
253	D	W. Greene	350	Dr1	44.5	6	12	July 29, 1954	5	21.7	--	R	D	Water reported soft.
254	D	F. Adams	355	Dug	18.7	40	--	do.	--	16.8	--	T	D	Well has gone dry.
256	D	J. Lang	370	Dr1	57	6	17	1946	4	18	--	R	D	Water reported soft.
258	D	W. W. Foster	320	Dug	20	30	20	July 29, 1954	--	18	--	T	D	
259	E	F. T. Anderson	265	Dug	10	30	--	do.	--	6	--	T	D	Water reported high in iron.
260	E	F. E. Duteuple	295	Dug	19.2	30	19.2	do.	--	11.6	54	T	A	Well has gone dry. Water reported high in iron.
261	E	O. Joslin	240	Dr1	25	6	5	1943	2	5	--	R	D	Water reported soft and high in iron.
262	G	M. Eppley	125	Dug	12.6	30	--	Aug. 3, 1954	--	10.6	--	S,G	A	Water reported hard and high in iron.
263	G	Tillinghast Farm	285	Dug	14.5	40	--	Aug. 4, 1954	--	12.8	52	T	A	
264	H	J. Nathan	185	Dug	14.0	36	--	Aug. 5, 1954	--	11.0	52	T	D	

## Town of Exeter—Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 265	H	R. K. Goodwin	245	Drl	82	6	20	Sept. 1953	4	20	--	R	D	Water reported soft.
266	J	J. Coutu	170	Drl	42	6	18	July 1950	8	14	--	R	D	Water reported hard.
267	J	A. Brown	105	Dug	6.5	36	--	Aug. 6, 1954	--	4.8	58	S,G	O	
268	J	S. S. Latowski	240	Dug	90	--	25 <sup>3</sup> / <sub>4</sub>	--	--	--	--	R	D	Water reported soft.
269	J	W. A. Gardner	225	Dug	20	36	--	Aug. 1951	--	15	--	T	D	Water reported hard and high in iron.
270	J	W. S. Shearman	275	Dug	23.8	30	23.8	Aug. 6, 1954	--	16.1	51	T	A	
271	J	D. Gardner	150	Dug	10.6	30	10.6	Aug. 9, 1954	--	9.0	57	T	D,S	Water reported hard and high in iron.
272	J	W. Tucker	135	Dug	28.4	30	--	do.	--	25.2	50	S,G	A	
273	J	Yawgoo School	135	Drv	25.0	2	--	do.	--	17.0	--	S,G	A	
274	J	F. Babbitt	110	Dug	5.4	20	--	do.	--	4.1	60	S,G	D	Water reported soft.
275	J	M. Babbitt	125	Dug	23.1	48	--	do.	--	20.3	52	S,G	D	do.
276	J	W. Hazard	120	--	--	--	--	do.	1 <sup>3</sup> / <sub>4</sub>	--	57	S,G	D	Spring.
277	J	H. F. Dunbar	125	Dug	19.2	36	19.2	do.	--	15.6	50	S,G	D	
278	J	F. Brown	225	Dug	23.9	24	23.9	Aug. 12, 1954	--	16.2	51	T	A	
279	J	G. Brandt	165	--	3.5	--	3.5	do.	1 <sup>3</sup> / <sub>4</sub>	--	52	T	D	Spring.
280	H	H. D. Etchells	205	Dug	19.4	36	19.4	do.	--	17.1	51	T	A	Well goes dry.
281	H	L. Tower	215	Dug	15.2	24	15.2	do.	--	10.0	54	S,G	D	Water reported soft and high in iron.
282	H	W. Allen	200	Dug	9.8	36	9.8	Aug. 16, 1954	--	9.2	56	S,G	D	Well goes dry. Water reported soft.
283	H	H. Jones	240	Dug	19.0	30	19.0	do.	--	15.9	53	S,G	A	
284	H	E. Grace	205	Drl	62	6	18	do.	12	9.3	--	R	D	Water reported hard and high in iron.
286	H	I. Purton	220	Drl	53	6	10	do.	--	9.3	--	R	D	Water reported soft.
288	H	M. Wells	200	Dug	14.9	30	14.9	Aug. 17, 1954	--	12.7	52	T	D	Water reported hard.
289	H	do.	190	Dug	6.3	40	--	do.	--	2.3	60	S,G	D	Water reported soft.
290	H	I. Fisdale	225	Dug	22.6	48	12	do.	--	15.4	51	R	D	Water reported hard, corrosive, and high in iron.



TABLE I --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. I

Town of Exeter--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exe. 291	H	B. C. Coldwell	215	Dug	8.8	30	--	Aug. 17, 1954	--	3.6	60	S,G	D	Water reported soft.
292	H	R. Woodmansee	215	Dug	9.0	36	--	do.	--	4.1	62	S,G	D	
294	H	H. G. Dyer	200	Drv	31	4	--	--	--	16	--	S,G	D	Water reported hard and high in iron.
295	F	W. Crandall	165	Dug	15.8	36	15.8	Aug. 18, 1954	--	10.4	57	T	D	
296	F	E. W. Arnold	190	Dug	20.1	36	--	do.	--	12.6	--	T	D	Water reported soft.
298	F	W. Murphy	190	Dr1	100	6	40	Nov. 1950	6	19	--	R	D	
299	F	H. Winkler	185	Dug	16.8	40	--	Aug. 18, 1954	--	10.2	55	S,G	D	
302	E	J. H. Crooker	185	Dug	14.2	40	--	Aug. 19, 1954	--	9.6	--	S,G,B	D	Well has gone dry. Water reported soft and corrosive.
303	E	Exeter Grange (#12)	325	Dr1	106	6	15	1950	15	25	51	R	PS	
304	E	P. Rose	235	--	--	--	--	Aug. 19, 1954	1 3/4	--	59	T	D	Spring goes dry. Water reported soft.
306	E	B. Knapp	195	Dug	14.0	24	--	do.	--	9.6	58	S,G	D	Water reported hard.
307	F	G. Thomas	215	Dug	34.8	36	34.8	do.	--	29.0	51	S,G	O	
308	E	A. Ellis	260	Dr1	60	6	20	--	--	--	--	R	D	Water reported soft and corrosive.
309	E	L. A. Records, Jr.	275	Dr1	56	6	14	1951	5	17	--	R	D	Water reported soft.
310	E	E. Bell	155	Dug	9.9	40	--	Aug. 20, 1954	--	8.3	61	S,G,B	O	Water reported soft.
311	E	G. Hathaway	190	Dug	32.6	36	--	do.	--	30.4	--	S,G	D,S	do.
312	F	J. G. Stroud	225	Dug	13.2	36	--	do.	--	8.7	59	T	D	
313	F	J. Caldwell	240	Dug	12.6	36	--	do.	--	7.1	61	T	D	Well has gone dry. Water reported high in iron.
314	F	F. Kinder	275	Dug	24.0	36	--	do.	--	9.5	59	T	L	Water reported hard.
315	F	T. Hopkins	255	Dug	18.6	36	18.6	do.	--	6.5	59	T	D	Water reported soft.
316	F	C. P. Hollstein	215	Dug	18.0	30	--	Aug. 20, 1954	--	9.1	56	T	D	do.
317	F	E. Lewis	215	Dug	11.3	30	--	do.	--	3.7	60	T	D	Well has gone dry. Water reported hard.
318	F	Exeter Town Farm	175	Dug	26.4	36	--	do.	--	22.1	--	S,G	D	Water reported hard.
319	F	do.	160	Dug	19.4	--	--	do.	--	14.7	56	S,G	S	Well has gone dry.

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of Exeter--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Exo. 321	G	M. Eppley	125	Dug	15	3 6	--	Aug. 25, 1954	--	11	--	S,G	D	Water reported hard and high in iron.
322	G	do.	125	Drl	122	6	--	1940	2	25	--	S,G	D	Water reported hard and high in iron. 2/
323	G	do.	185	Dug	15.5	36	15.5	Aug. 26, 1954	--	12.0	53	T	A	
324	C	S. H. Jenckes	265	Dug	14.7	24	--	Sept. 9, 1954	--	9.4	57	T	D	Water reported hard and high in iron.
325	H	E. J. Moone	200	Drl	83	6	12	Sept. 10, 1954	2	21	--	R	D	
326	C	H. J. Ahlberg	265	Dug	15.4	36	--	do.	--	9.3	55	T	D	
327	C	H. Talbot	335	Dug	24.0	48	--	do.	--	13.1	54	T	A	
328	C	J. Fisher	295	Dug	21.4	24	--	do.	--	14.6	--	T	D	
329	B	I. C. Nichols	295	Dug	10.2	24	10.2	do.	--	7.6	59	T	D	
330	B	Unesda Rest Camp	315	Dug	15.1	--	--	do.	--	11.1	56	T	D	Supplies summer camp.
331	B	P. J. Rose	385	Dug	22.4	36	22.4	Sept. 13, 1954	--	14.2	58	T	D	Well has gone dry. Water reported soft.
332	B	do.	390	Dug	22.9	36	--	do.	--	11.7	54	T	D	Water reported soft.
333	B	R. W. Brown	275	Dug	13.3	24	13.3	do.	--	6.3	--	T	A	
334	B	P. J. Rose	420	Dug	21.3	24	--	Sept. 14, 1954	--	8.0	57	T	D,S	Water reported soft.
335	B	P. T. Joslin Farm	285	Dug	9.7	36	9.7	Sept. 15, 1954	--	4.3	61	T	A	
336	E	R. Brown	315	Dug	16.0	36	11	do.	--	10.4	58	T,R	D,S	Water reported hard.
337	B	G. A. Matteson	285	Dug	12.1	30	12.1	Sept. 16, 1954	--	4.1	57	S	A	
339	A	P. Whitford	385	Dug	23.8	30	23.8	Sept. 17, 1954	--	10.8	56	T	D	Well goes dry. Water reported hard.
340	A	H. P. Metcalf	380	Dug	35.3	36	--	do.	--	29.8	--	S,G	D	Water reported soft.
341	A	do.	380	Dug	21.2	36	21.2	Sept. 20, 1954	--	14.3	56	S,G	D	Water reported hard and high in iron.
342	A	do.	375	Dug	12.5	24	12.5	do.	--	7.0	58	S,G	A	do.
343	A	H. do.	345	Dug	13.6	48	--	do.	12	9.6	58	S,G	D	Water reported soft.
344	A	do.	340	Dug	14.1	30	--	do.	--	7.5	59	G	B,S	Water reported hard and high in iron.
345	A	do.	375	Dug	12.2	36	12.2	do.	--	5.8	57	T	D	Water reported soft.
346	A	R. H. Saunders	335	Drl	99	6	17	Oct. 1953	6	20	53	R	L	Abbie Sweet Farm.
347	E	R. I. Dept. of Social Welfare, Exeter School	175	Dug	36.8	36	--	Jan. 18, 1955	--	26.9	--	S,G	O	

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of North Kingstown

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Wk. 30	F	R. I. Dept. of Agriculture, State Fish Hatchery	110	Dug	11.7	60	--	Sept. 15, 1949	120	3.4	52	S,G	S	About 173,000 gpd used to supply tanks in hatchery building and small ponds. Supplies small ponds.
31	F	do.	120	Drl	12.5	8	--	do.	15	flows	51	S,G	S	
32	F	do.	120	Dug	13.6	30	--	do.	8	6.2	51	S,G	S	do.
33	F	do.	120	Dug	18.2	30	--	do.	8--10	5.4	52	S,G	S	do.
34--37	F	do.	120	Drv	13	2-1/2	--	--	8--10	--	51	S,G	S	do.
38	F	do.	120	Drv	13	4	--	--	20-30	--	51	S,G	S	do.
39	F	do.	120	Drv	12	6	--	Sept. 15, 1949	40	flows	50	S,G	S	Supplies small ponds. 1/
69	F	do.	105	Drl	31	8	31	April 8, 1949	60	0	--	G,C	I	Test well 1. 2/
70	F	do.	130	Drl	62	8	62	--	--	--	--	G,S	--	Test well 2. 2/
71	F	do.	110	Drl	38	8	--	--	--	--	--	--	--	Test well 3. 2/
72	F	do.	110	Drl	48	8	--	April 1949	120	0	--	G,S	I	Test well 4. 2/
73	F	do.	120	Drl	61	8	61	do.	100	5.1	--	B,G	S	Test well 5. 2/
74	F	do.	120	Drl	47	8	47	--	--	--	--	G,S,C	--	Test well 6. 2/
75	F	do.	105	Drl	38	8	38	--	--	--	--	B	--	Test well 7. 2/
79	F	J. Nye	160	Drv	73	2-1/2	--	Sept. 15, 1949	15	--	56	S,G	D	
116	J	H. J. Huling	130	Dug	9.9	30	--	Aug. 4, 1952	2 3/	6.0	--	S,G	D	Water reported soft.
117	J	H. G. Reinhardt	130	Dug	23.4	30	--	July 29, 1952	4 3/	13.5	--	S,G	D	
119	J	E. H. Brow	150	Drl	157	8	100	1927	30	--	--	R	D,S	Water reported hard.
120	J	do.	150	Drl	225	6	100	1935	2-1/2	--	62	R	D	Water reported hard.
122	J	E. J. Hatchins	150	Drl	140	6	60	Aug. 5, 1952	--	20	--	R	D	Water reported soft.
123	J	C. H. Johnson	150	Drl	47.5	6	--	1947	--	--	53	G	D	Water reported soft. 1/
124	J	F. Clark	140	Dug	18.5	30	--	Aug. 5, 1952	4 3/	14.3	--	S,G	D	Water reported hard.
125	J	A. Leduc	145	Dug	20.6	30	--	do.	2 3/	20.1	--	S,G	D	Water reported soft.
128	F	J. T. Gardner	155	Dug	15.3	30	--	do.	3 3/	11.1	--	S	D	Well has gone dry. Water reported soft.
132	F	H. Brown	155	Drl	125	6	77	1933	3	35	--	R	D	Water reported hard.

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--  
Location of wells and springs is shown on pl. 1

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)		
Nek. 133	F	H. Cohn	110	Drl	82	6	40	Aug. 21, 1952	7	15.2	52	D,S	Water reported soft.
135	F	D. Worden	215	Drl	120	6	--	do.	3	52	--	D	Water reported soft. 2/
136	F	G. H. Kingsley	195	Dug	31.5	30	--	do.	--	25.0	55	D	Water reported soft.
137	F	O. Halline	195	Drl	200	6	80	--	--	--	--	D	do.
138	F	L. A. Samielson	180	Drl	60	6	--	--	--	--	--	D	(?)
139	F	M. Hendricks	135	Dug	25.7	30	--	Aug. 21, 1952	--	20.6	--	D	Water reported soft.
141	C	C. W. Tongue	110	Dug	26.2	30	--	Aug. 25, 1952	--	22.4	--	D	do.
142	C	H. A. Perkins	110	Dug	13.3	30	--	do.	--	9.2	--	D	do.
144	C	F. C. Matteson	140	Dug	21.7	30	--	do.	--	11.7	--	D,S	
145	C	F. Martimer	200	Dug	22	30	22	do.	--	19	--	D	Water reported soft.
146	C	J. P. Hearn	210	Dug	26.4	30	--	Aug. 26, 1952	--	20.4	--	D	do.
147	C	do.	225	Dug	18.7	30	--	do.	--	8.0	--	D	
149	C	F. B. Ogburn	300	Drl	376	6	22	do.	1/4	36	--	D	Water reported soft.
150	C	J. Place	320	Dug	30	30	30	do.	--	--	--	D	
151	F	W. Reynolds	125	Dug	60	30	--	Aug. 29, 1952	--	48	--	D	
152	F	J. E. Mathewson	160	Drl	100	6	65	do.	1	50	--	D,S	Water reported soft.
670	J	H. B. Tarbox	135	Dug	21.7	36	--	Aug. 11, 1954	500	17.0	52	D	Water reported hard and corrosive.
672	J	Np. Kingston Grange	135	Dug	22.6	36	--	do.	--	20.2	59	PS	Water reported hard.
675	J	B. H. Brow	115	Dug	26.7	36	--	do.	--	25.6	50	O	(?)
676	J	H. W. Tucker	140	Dug	17.6	36	--	Aug. 12, 1954	25	7.1	64	I	Water reported hard. 2/.
678	J	W. H. Wood	115	Dug	22	36	22	do.	--	20.9	51	D	Well goes dry. Water reported hard. 2/.
679	J	B. H. Brow	165	Dug	27.2	36	--	Aug. 17, 1954	--	49.4	--	D	Water reported hard and high in iron.
680	J	F. B. Blatchford	130	Dug	7.8	36	--	do.	--	3.4	57	D	Water reported hard.
681	F	D. Stahlbush	225	Drl	24	6	--	--	10	65.1	--	D	
682	F	J. L. Meagher	220	Drl	169	6	125 3/	--	--	--	--	D	Water reported high in iron.



Town of North Kingstown—Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Wek. 683	F	J. Lane	150	Drl	60	6	35	--	4	--	--	R	D	Water reported soft and corrosive.
684	F	H. E. Gardner	222	Drl	112	6	100	1944	--	40	--	R	D	Water reported soft. 2/.
686	F	G. E. Tefft	165	Dug	37.5	36	37.5	Aug. 23, 1954	--	32.5	--	S, G	D	Water reported soft.
687	F	F. Mumford	155	Drv	28	2	--	do.	45	21	--	S, G	D, S	do.
688	F	W. A. Tisdale	125	Dug	32.4	36	--	do.	--	29.7	53	S, G	D	Well has gone dry. Water reported soft.
690	J	G. G. Anderson	145	Drv	22	2	--	Aug. 26, 1954	--	10.8	55	S, G	D	Water reported soft.
691	J	K. Moore	145	Dug	20.1	36	--	do.	--	17.9	--	S, G	D	do.
692	J	H. Sherman	140	Dug	18.0	36	--	do.	--	13.9	53	S, G	D	Water reported soft and high in iron
696	J	C. H. Johnson	130	Drv	14.7	2	--	Aug. 27, 1954	--	1.1	63	S, G	A	
697	F	O. R. Hallene	175	Dug	10.1	36	--	do.	--	6.2	57	T	D	
698	F	J. P. Coombs	205	Dug	52	36	--	Aug. 30, 1954	--	46	--	S, G	D	Water reported soft. 2/.
699	F	E. F. Lang	165	Dug	26.1	30	--	do.	--	22.3	52	S, G	D	Water reported soft.
701	F	D. Ryan	160	Drl	123	6	30	June 1954	9	15	--	R	D	
702	F	N. Pasani	170	Dug	32.6	30	--	Aug. 30, 1954	--	27.2	53	S, G	D	
703	F	C. Eastwood	130	Dug	21	36	--	do.	--	18.0	56	G, B	D	Water reported soft.
705	C	D. L. Haywood	110	Drl	80	6	--	1947	--	40	--	S	PS	Restaurant, well supplies water to approximately 350 people per day.
706	C	F. Peckham	110	Drl	160	6	55	Aug. 1953	3	40	--	R	PS	
707	C	T. Allfrey	115	Drl	103	4.5	60	1935	3	--	--	R	PS	Water reported soft. Well used for tavern.
709	C	C. F. Knight	140	--	--	--	0	--	--	--	53	T	D	Spring
710	C	J. A. Scott	175	Dug	17.5	36	--	Sept. 1, 1954	--	10.2	56	T	D	
711	C	J. A. Akeroyd	260	Drl	40	6	25	1949	25	3	--	R	D	
712	C	do.	255	Dug	17.8	30	--	Sept. 1, 1954	--	11.9	55	T	A	Well has gone dry. Water reported hard.
714	C	A. Whaling	105	Dug	35.4	36	--	Sept. 9, 1954	--	26.8	52	S, G	D	
715	C	M. Leblanc	215	Drl	101	6	28	1951	40	--	--	R	D	Water reported soft.
716	F	J. Praties	155	Drl	65	6	--	Sept. 10, 1954	--	30.0	--	S, G	D	Water reported soft and high in iron.

TABLE 1.—RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND—Continued  
Location of wells and springs is shown on pl. 1

Town of North Kingstown—Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Wek. 895	F	Rhode Island Division of Roads and Bridges	175	Drl	40	—	—	—	—	—	—	S, G	T	Wickford Hill R.R. bridge. Test boring 2A <sup>2</sup> /.
90E	C	A. Mason	135	Drl	120	6	65	—	5	8	—	K	D	
100S	C	R. I. Dept. of Agriculture, State Fish Hatchery	105	Drv	27.6	2 $\frac{1}{2}$	—	June 29, 1955	—	Flows	—	S, G	S	Supplies small ponds.

TABLE 1.—RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND—Continued  
Location of wells and springs is shown on pl. 1

Town of Richmond

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Ric. 160	G	C. Sheppard	110	Dug	20.1	30	—	July 22, 1954	—	18.4	—	T	D	Water reported soft and high in iron.
161	G	J. L. Hillman	150	Dug	13.4	30	13.4	do.	—	12.4	—	T	D	Well goes dry. Water reported soft.
162	G	L. F. Conlon	305	Dug	24.4	30	24.4	do.	—	18.5	—	T	D	do.
163	F	Unknown	360	—	4	—	4	Aug. 25, 1954	1 $\frac{3}{4}$	—	58	T	—	Spring.
164	D	C. Magness	410	Drl	52	6	5 $\frac{3}{4}$	Sept. 23, 1954	—	10.7	—	R	A	
165	D	G. L. Tofft	425	—	—	—	0	July 27, 1954	1 $\frac{3}{4}$	—	52	T	D, S	Spring.
166	G	A. B. Kanyon	115	Drl	200	6	0	July 1954	1.5	15	—	R	S	
167	G	W. T. Sherman	350	Dug	16.1	24	16.1	Aug. 4, 1954	—	13.5	55	T	A	

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of South Kingstown

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Sek. 141	H	H. W. Huntington	14.0	Dr1	125	6	0	Aug. 11, 1952	100	20	--	R	D,S	Water reported soft.
142	H	E. Monteith	130	Drv	15	1-1/2	--	do.	--	--	52	S,G	D	
143	J	L. Boisclair	24.0	Dug	22.2	30	--	Aug. 29, 1952	--	8.0	--	S,G	D	Water reported soft.
300	H	W. P. Buffum	14.0	Dug	11.4	30	--	July 16, 1954	--	13.5	59	S,G	PS	Supplies 26 people at summer camp.
301	H	do.	14.0	Dug	11.1	30	--	do.	--	6.5	--	S,G	A	
302	H	M. E. Hargraves	125	Drv	26	1-1/2	--	1952	--	9	--	G	D	Water reported soft.
303	H	do.	115	Dug	9.0	30	--	Aug. 3, 1954	--	7.2	56	S,G	●	do.
304	H	K. S. Green	130	Dug	12.3	30	--	July 19, 1954	--	10.8	53	S	D	Water reported hard. 2/.
305	G	H. C. Cowell, Sr.	120	Drv	18	2	--	do.	--	12 2/	--	S,G	D,S	Water reported hard.
309	G	G. McBurnie	120	Dug	13.2	36	--	do.	--	10.1	--	S,G	D	Water reported soft.
310	G	L. H. Whitford	130	Dr1	63	6	18	do.	--	14	--	R	D	Water reported hard and high in iron.
311	G	W. E. Millnather	120	Dug	15.8	30	--	do.	--	13.5	--	S,G	D	do.
312	G	Prof. Douglas	14.0	Dug	16.7	36	0	do.	--	14.5	53	R	A	
314	G	E. E. Kenyon	130	Dug	16.6	36	--	July 20, 1954	--	13.1	--	S,G	D	Water reported hard and high in iron.
315	G	P. L. Perry	135	Drv	50	2	--	Aug. 4, 1954	--	32	50	G	D	(1).
316	G	M. Miller	120	Dug	9.2	30	--	July 21, 1954	--	6.2	--	S,G	D	Water reported soft.
318	G	G. E. Vanstone	130	Dug	11.5	30	--	do.	--	10.7	--	S,G	A	
319	G	G. N. Fessenden	125	Dug	7.3	30	--	do.	--	4.6	--	S,G	D	Water reported hard and high in iron.
320	G	O. Greene	150	Dug	4.8	30	4.8	do.	--	1.9	--	T	A	
321	G	do.	170	Dug	12	36	12	do.	--	10.5	--	T	A	
322	G	E. C. Kenyon	120	Dug	9.5	36	--	do.	--	7.5	--	S,G	D	Water reported soft.
323	G	J. W. Hope	120	Dug	15.9	30	--	July 22, 1954	--	12.4	--	S,G	D	Water reported hard and corrosive.
324	G	W. R. Johnson	120	Drv	22	2	--	do.	--	10	--	S,G	D	Water reported hard.
325	G	P. Blanchard	120	Dug	19.2	30	--	do.	--	18.2	53	S,G	D	Water reported soft.
326	G	do.	120	Dug	18.1	30	--	do.	--	17.0	52	S,G	S	



TABLE I --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RICE ISLAND--Continued  
Location of wells and springs is shown on pl. I

Town of South Kingstown--Continued

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Sek. 328	G	W. Wilcox	120	Drv	22	2	--	Aug. 4, 1954	--	44	51	S,G	D	Water reported soft.
329	G	L. Titus	125	Dug	7.3	36	--	do.	--	5.6	61	S,G	D	
330	H	F. D. MacKensie	130	Drv	26	2	--	Aug. 5, 1954	--	22	--	G	D	Water reported hard.
331	H	H. D. Mackie	120	Dug	12.7	30	--	do.	--	10	52	G	D	do.
332	H	C. Eden	120	Dug	3.8	30	--	do.	--	2.6	59	S,G	D	
335	H	D. W. Greene	150	Dug	22.7	30	--	do.	--	21.5	--	S,G	D	Well has gone dry. Water reported soft and corrosive.
336	H	W. P. Sheffield	165	Dug	16.0	30	--	do.	--	12.0	52	T	A	
337	H	W. Howard	180	Dug	6.5	36	--	do.	--	4.5	58	T	D	
338	H	D. E. Whelan	105	Dug	13	40	--	Aug. 7, 1954	30	7	--	S,G	D	Water reported corrosive.
339	H	L. Richardson	110	Dug	17.5	36	--	do.	--	15.7	53	S,G	D	Water reported soft.
340	H	L. Winslow	100	Dug	8.4	36	--	do.	--	5.2	--	S,G	D	
446	J	E. G. Garder	120	Dug	8.5	36	--	Aug. 6, 1954	--	6.4	55	S,G	D	Well goes dry. Water reported hard.
447	J	R. E. Freeman	95	Dug	5.9	30	--	do.	--	2.4	62	S,G	D	Water reported soft.
450	G	F. Moore	150	Dr1	161	6	18	--	--	--	50	R	D	Water reported soft and high in iron.
451	G	R. Peckham	145	Dr1	184	6	10	Jan. 1952	2	18	--	R	D,S	Water reported hard.
452	G	S. H. Cornell	125	Dug	15.6	36	--	Aug. 25, 1954	--	11.2	57	S,G	D	Water reported hard and high in iron.
454	G	N. Kenyon	125	Drv	23	2	--	do.	--	15	--	S,G	D	Water reported hard.
457	G	L. P. Cottman	125	Drv	18	2	--	do.	--	16	--	S,G	D	Water reported soft.
458	G	A. Thomas, Sr.	135	Drv	32	2	--	do.	--	6	--	G	D	do.
461	H	R. Jarvis	120	Drv	10	2	--	Sept. 22, 1954	--	6	--	S,G	D	do.
462	J	W. Standeven, Jr.	135	Drv	53.5	2	--	1952	--	41	--	S,G	D	do.

TABLE 1 --RECORDS OF SELECTED WELLS AND SPRINGS IN THE SLOCUM QUADRANGLE, RHODE ISLAND--Continued  
Location of wells and springs is shown on pl. 1

Town of West Greenwich

Well no.	Location	Owner	Altitude above or below (-) sea level (feet)	Type of well	Depth (feet)	Diameter (inches)	Depth to bedrock (feet)	Water				Water-bearing material	Use	Remarks
								Date of measurement	Yield (gpm)	Level (feet below land surface)	Temperature (°F.)			
Wgr. 203	B	Whitford Farm	444	Dug	16.3	24	--	Sept. 14, 1954	--	4.6	59	T	A	
204	B	M. Harinton	445	Dug	8.8	30	--	do.	--	3.7	60	T	A	
205	B	C. Kettelle	440	Dug	25.4	48	15.4	do.	--	18.8	--	R	D	Well has gone dry. Water reported soft and high in iron.
206	B	W. Knight, II	375	Dug	9.6	24	9.6	do.	--	3.8	55	T	D,S	Water reported hard.
207	B	U. S. Navy	365	Dug	15.7	40	15.7	Sept. 15, 1954	--	4.7	56	T	A	
208	B	L. Drea	445	Dug	10.4	30	10.4	do.	--	2.6	58	T	D	Water reported hard and high in iron.
209	B	D. Capuano	465	Dug	17	36	17	Sept. 16, 1954	--	12	--	T	D,S	Well has gone dry. Water reported hard and high in iron.
210	A	A. Robinson	370	Dug	16.3	30	16.3	Sept. 17, 1954	--	6.8	58	S,G	A	
211	A	L. M. Harris	355	Dug	15.9	24	--	do.	--	11	52	S	O	
212	A	H. Senior	355	Dug	11.9	24	--	do.	--	5.8	57	S,G	D	
213	A	H. Brown	275	Dug	14.4	36	--	do.	--	6.1	55	S,G	A	
214	A	J. Lemaire	325	--	--	--	--	do.	1 2/	--	50	S,G	D	Spring.
215	A	B. Gornley	310	Drv	10	2	--	do.	--	2	--	S,G	D	
216	A	A. Pynnönen	305	Dug	26.6	30	26.6	do.	--	18.0	--	S,G	D	Water reported soft.
217	A	do.	310	Dug	25.7	30	--	do.	--	16.4	--	S,G	S	do.
218	B	P. F. Cottenier	475	Dug	14.9	40	14.9	Sept. 22, 1954	--	7.2	55	T	D	do.

1/ For chemical analysis see table  
2/ For additional data see logs of wells and test borings and descriptive notes.  
3/ Estimated.

Table 2. Logs of wells and a test boring with descriptive notes.

Exe. 9. Rhode Island Department of Social Welfare, Exeter School. About 500 feet southwest of the boiler house (E). Driven by Barker Artesian Well Co. in 1907. Altitude of land surface about 155 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel. . . . .	18	18
Sand, very fine. . . . .	60	78

There are 17 driven wells (Exe. 9-25) at this State hospital. Exe. 9 and Exe. 22-25 were never used because they penetrated fine sand. Exe. 10-21 were abandoned because of insufficient yield. Exe. 16 is a U. S. Geological Survey observation well.

Exe. 33. Rhode Island Department of Social Welfare, Exeter School. About 450 feet south of boiler house (E). Drilled by R. E. Chapman Co. in November, 1946. Altitude of land surface about 150 feet above sea level. Log of well furnished by Jenks and Ballou, Consulting Engineers.

Test well 1.	Thickness (feet)	Depth (feet)
Loam, sand, and gravel. . . . .	5	5
Sand, coarse, and gravel. . . . .	7	12
Sand and gravel. . . . .	15	27
Clay . . . . .	1	28
Sand and gravel, coarse . . . . .	7	35
Gravel, coarse. . . . .	10	45
Rock or boulder at. . . . .		45

Exe. 33 Continued.

Test well 1 (Continued)

Casing: 8-inch.

Screen: 9 feet of 80 slot, 8-inch screen with bottom at 42 feet.

Pumping test:

November, 1946 - Duration. . . . .	24	hours.
Static water level. . . . .	13.4	feet.
Drawdown. . . . .	9.17	feet.
Yield . . . . .	.55	gpm.
Specific capacity . . . . .	5	gpm/ft.

Supply well 1.

Casing: 12-inch.

Screen: 12 feet of  $\frac{1}{4}$  inch slot, 12-inch screen with bottom at 48 feet; gravel-packed.

Pumping test:

April-May, 1947.- Duration. . . . .	24	hours.
Static water level. . . . .	10.6	feet.
Drawdown. . . . .	16.5	feet.
Yield . . . . .	.260	gpm.
Specific capacity . . . . .	16	gpm/ft.

Seven test wells (Exe. 33-39) and two supply wells (Exe. 33 and 39) were drilled at this State hospital in 1946-47. Test well Exe. 33 has been replaced by 30 feet of 2-inch observation pipe with a point. See logs of wells Exe. 34-39.

Exe. 34. Rhode Island Department of Social Welfare, Exeter School.

Test well 2. About 1,000 feet southwest of boiler house (E).

Drilled by R. E. Chapman Co. in December, 1946. Altitude of

land surface about 155 feet above sea level. Log of well

furnished by Jenks and Ballou, Consulting Engineers.

	Thickness (feet)	Depth (feet)
Gravel, coarse, and sand, gray. . . . .	7	7
Gravel and sand, fine, gray . . . . .	4	11
Sand and gravel, red . . . . .	4	15
Sand, reddish . . . . .	20	35
Sand, fine, gray-black. . . . .	5	40
Sand, very fine, gray-black . . . . .	20	60
Sand, coarse, brownish, with trace of gravel . . . . .	3	63
Sand, brownish, no gravel . . . . .	7	70
Gravel ranging in diameter up to $\frac{1}{2}$ -inch, and a high percentage of sand . . . . .	5	75
Gravel and a small percentage of sand. . . . .	5	80
Gravel. . . . .	16	96
Rock . . . . .	6	102

Casing: 8-inch.

Screen: 10 $\frac{1}{2}$  feet of 80 slot, 8-inch screen with bottom  
at 88.5 feet.

Pumping test:

December, 1946 - Duration. . . . .	1	hour.
Static water level. . . . .	11.9	feet.
Drawdown. . . . .	88	feet.
Yield . . . . .	20	gpm.

Casing pulled.



Exe. 35. Rhode Island Department of Social Welfare, Exeter School.

Test well 3. About 700 feet south of boiler house (E).

Drilled by R. E. Chapman Co. in December, 1946. Altitude of land surface about 155 feet above sea level. Log of well furnished by Jenks and Ballou, Consulting Engineers.

	Thickness (feet)	Depth (feet)
Loam and gravel. . . . .	5	5
Gravel and sand. . . . .	10	15
Sand . . . . .	5	20
Sand, coarse . . . . .	5	25
Sand . . . . .	10	35
Sand, brown. . . . .	5	40
Sand, fine . . . . .	5	45
Hardpan or gravel, muddy . . . . .	11	56
Gravel . . . . .	1	57
Hardpan or gravel, muddy . . . . .	5	62
Gravel . . . . .	3	65
Hardpan, boulder, or bedrock . . . . .	2	67

Casing: 8-inch

Static water level: 11.5 feet

Casing pulled.

Exe. 36. Rhode Island Department of Social Welfare, Exeter School.

Test well 4. About 400 feet southeast of boiler house (E).

Drilled by R. E. Chapman Co. in December, 1946. Altitude of land surface about 148 feet above sea level. Log of well furnished by Jenks and Ballou, Consulting Engineers.



## Exe. 36. (Continued)

	Thickness (feet)	Depth (feet)
Gravel . . . . .	10	10
Gravel, mixed with clay. . . . .	5	15
Sand, muddy, and gravel. . . . .	7	22
Gravel and sand, clear . . . . .	8	30
Gravel and sand, some fine . . . . .	10	40
Hardpan and gravel (circulation good). . . . .	1.5	41.5
Hardpan and gravel (circulation poor). . . . .	1.5	43
Hardpan and gravel . . . . .	2	45
Rock . . . . .	2	47

Casing: 8-inch

Screen: 10 $\frac{1}{2}$  feet of 8-inch screen with bottom at 41 feet.

## Pumping test:

December, 1946 - Duration. . . . .	20 minutes.
Static water level. . . . .	10.7 feet.
Drawdown . . . . .	22.1 feet.
Yield . . . . .	27 gpm.

Casing pulled.

## Exe. 37. Rhode Island Department of Social Welfare, Exeter School.

Test well 5. About 650 feet northwest of Howe Hall (E).

Drilled by R. E. Chapman Co. in December, 1946. Altitude of land surface about 148 feet above sea level. Log of well furnished by Jones and Ballou, Consulting Engineers.

	Thickness (feet)	Depth (feet)
Loam and gravel. . . . .	5	5
Gravel . . . . .	5	10
Gravel with some sand. . . . .	5	15
Gravel . . . . .	6	21
Rock, or large boulder . . . . .	4	25

Casing: 8-inch

Static water level: 9 feet.

Casing pulled.

Exe. 38. Rhode Island Department of Social Welfare, Exeter School.  
 Test well 6. About 700 feet northwest of Howe Hall (E).  
 Drilled by R. E. Chapman Co. in January 1947. Altitude of  
 land surface about 148 feet above sea level. Log of well  
 furnished by Jenks and Ballou, Consulting Engineers.

	Thickness (feet)	Depth (feet)
Loam, gravel, and clay. . . . .	5	5
Gravel ranging in size to $\frac{1}{2}$ -inch in diameter . . . . .	5	10
Sand . . . . .	13	23
Sand with some gravel . . . . .	5	28
Gravel, ranging in size to 1-inch diameter, and sand . . . . .	5	33
Gravel . . . . .	7	40
Gravel, pebbles to $1\frac{1}{2}$ -inches in diameter, and sand, fine. . . . .	4	44
Gravel . . . . .	3	47
Rock . . . . .	1.5	48.5

Casing: 8-inch.  
 Static water level: 10 feet.

Casing pulled.

Exe. 39. Rhode Island Department of Social Welfare, Exeter School.  
 About 1,200 feet northwest of Howe Hall (E). Drilled by  
 R. E. Chapman Co. in January, 1947. Altitude of land surface  
 about 140 feet above sea level. Log of well furnished by  
 Jenks and Ballou, Consulting Engineers.

Test well 7.	Thickness (feet)	Depth (feet)
Loam and gravel. . . . .	5.0	5.0
Loam, gravel, and clay . . . . .	5.0	10.0
Clay . . . . .	10.0	20.0
Clay and hardpan . . . . .	5.0	25.0
Gravel . . . . .	20.0	45.0
Gravel, fine . . . . .	10.0	55.0
Gravel . . . . .	10.0	65.0
Rock . . . . .	0.5	65.5

Exe. 39. (Continued)

Test well 7 (Continued)

Casing: 8-inch.

Screen: 10 feet of 80 slot, 8-inch screen with bottom at 50 feet.

Pumping test:

January, 1947 - Duration . . . . . 4½ hours.  
Static water level . . . . . 6.5 feet.  
Drawdown . . . . . 7.0 feet.  
Yield . . . . . 73 gpm.  
Specific capacity . . . . . 10 gpm/ft.

Supply well 2.

Casing: 12-inch.

Screen: 20 feet of ½-inch slot, 12-inch screen with bottom at 55 feet; gravel-packed.

Pumping test:

May, 1947 - Duration . . . . . 2-¾ hours.  
Static water level . . . . . 6.2 feet.  
Drawdown . . . . . 11 feet.  
Yield . . . . . 350 gpm.  
Specific capacity . . . . . 32 gpm/ft.

Test well Exe. 39 has been replaced by 41.5 feet of 1½-inch observation pipe with a point.

Exe. 201. Miskiania Camp, Miskiania Trail. Northeastern shore of Yagoo Pond (H). Drilled by W. Worden in April, 1950. Altitude of land surface about 140 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Clay and boulders . . . . .	17	17
Rock . . . . .	96	113

Casing: 6-inch

Static water level: 17 feet.

Exe. 322. M. Eppley, Dug Way Road. About 0.4 mile east of Glen Rock Road and 0.2 mile north of Exeter-South Kingstown town line in the Queen River valley (G). Drilled by E. Lucier in 1940. Altitude of land surface about 125 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Quicksand . . . . .	116	116
Gravel . . . . .	6	122

Casing: 6-inch.  
Static water level: 25 feet.

Nok. 69. Rhode Island Department of Agriculture, State Fish Hatchery. Test well 1. About 700 feet northeast of hatchery building (F). Drilled by R. E. Chapman Co. in April 1949. Altitude of land surface about 105 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel . . . . .	10	10
Gravel and clay . . . . .	21	31
Rock at . . . . .		31

Casing: 8-inch.

Pumping test:

April, 1949 - Duration . . . . .	7 hours.
Static water level . . . . .	0 feet.
Drawdown . . . . .	22 feet.
Yield . . . . .	60 gpm.
Specific capacity . . . . .	2.7 gpm/ft.

There are 11 supply wells, Nok. 30-39 and Nok. 1,003, and 7 test wells, Nok. 69-75 (now removed), in this area. See logs of Nok. 70, 72, 73, and 74.



Nok. 70. Rhode Island Department of Agriculture, State Fish Hatchery.

Test well 2. About 200 feet northwest of the hatchery building (F). Drilled by R. E. Chapman Co. in April, 1949.

Altitude of land surface about 130 feet above sea level.

Driller's log.

	Thickness (feet)	Depth (feet)
Gravel . . . . .	10	10
Sand, fine . . . . .	20	30
Gravel . . . . .	5	35
Gravel and boulders. . . . .	15	50
Sand, fine . . . . .	12	62
Rock at . . . . .		62

Casing: 8-inch.

Nok. 72. Rhode Island Department of Agriculture, State Fish Hatchery.

Test well 4. About 200 feet southeast of the hatchery building (F). Drilled by R. E. Chapman Co. in April, 1949. Altitude of land surface about 110 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel . . . . .	18	18
Sand . . . . .	7	25
Gravel . . . . .	7	32
Gravel, coarse . . . . .	16	48

Casing: 8-inch.

Screen: 100 slot, 8-inch screen with bottom at 48 feet.

Pumping test:

April, 1949 - Duration. . . . .	29	hours.
Static water level. . . . .	0	feet.
Drawdown . . . . .	13.3	feet.
Yield . . . . .	120	gpm.
Specific capacity . . . . .	9	gpm/ft.

Nok. 73. Rhode Island Department of Agriculture, State Fish Hatchery.  
About 480 feet southwest of hatchery building (F). Drilled  
by R. E. Chapman and Co. in April, 1949. Altitude of land  
surface about 120 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Boulders, sand, gravel . . . . .	10	10
Gravel . . . . .	51	61
Rock at . . . . .		61

Casing: 8-inch.

Pumping test:

April, 1949 - Duration. . . . .	24	hours.
Static water level. . . . .	5.1	feet.
Drawdown . . . . .	15.1	feet.
Yield . . . . .	100	gpm.
Specific capacity . . . . .	6.6	gpm/ft.

Nok. 74. Rhode Island Department of Agriculture, State Fish Hatchery.  
About 20 feet north of hatchery building (F). Drilled by  
R. E. Chapman Co. in April, 1949. Altitude of land surface  
about 120 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel . . . . .	10	10
Sand, fine . . . . .	20	30
Clay, sandy. . . . .	10	40
Hardpan. . . . .	7	47
Rock at . . . . .		47

Casing: 8-inch.



Nok. 120. B. H. Brow, Indian Corner Road. About 0.1 mile east of the junction of Indian Corner and Slocum Roads (J). Drilled by H. Lindeman in 1935. Altitude of land surface is about 150 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Unknown. . . . .	100	100
Rock . . . . .	125	225

Casing: 6-inch.

Nok. 122. E. J. Hutchins, Indian Corner Road. About 0.5 mile east of the junction of Indian Corner and Slocum Roads (J). Drilled by W. Worden in 1932. Altitude of land surface about 150 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Unknown . . . . .	60	60
Rock . . . . .	80	140

Casing: 6-inch.

Static water level: 20 feet in Aug. 1952.

Nok. 135. D. Worden, South County Trail and Victory Highway (F). Drilled by D. Worden in 1947. Altitude of land surface about 215 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel. . . . .	50	50
Clay . . . . .	68	118
Gravel. . . . .	2	120

Casing: 6-inch.

Static water level: 52 feet.

Nok. 138. L. A. Samuelson, Hatchery Road. About 0.5 mile east of South County Trail (F). Drilled well. Altitude of land surface about 180 feet above sea level. Owner's log.

	Thickness (feet)	Depth (feet)
Gravel . . . . .	60	60
Casing: 6-inch.		

Nok. 675. B. H. Brow, Indian Corner Road. About 0.3 mile east of the junction of Indian Corner and Slocum Roads (J). Dug well. Altitude of land surface about 145 feet above sea level.

	Thickness (feet)	Depth (feet)
Unknown . . . . .	28.7	28.7
Casing: 36-inch.		
Static water level: 25.6 feet.		

Well used as U. S. Geological Survey observation well.

Nok. 676. H. W. Tucker, Indian Corner Road. About 0.5 mile south of Indian Corner Road and 0.8 mile east of Slocum Road (J). Dug in 1930. Altitude of land surface about 140 feet above sea level. Owner's log.

	Thickness (feet)	Depth (feet)
Sand, fine to coarse, and gravel . . . . .	17.6	17.6
Casing: 36-inch.		
Static water level: 7.1 feet.		

Nok. 678. W. H. Wood, Liberty Road. About 0.1 mile west of the junction of Liberty Road and Railroad Ave. (J). Dug in 1880. Altitude of land surface about 145 feet above sea level. Owner's log.

	Thickness (feet)	Depth (feet)
Clay, sand, and gravel (till). . . . .	22	22
Rock at . . . . .		22

Casing: 36-inch.  
Static water level: 20.9 feet.

Nok. 683. J. Lane, Hatchery Road. About 0.5 mile east of South County Trail (F). Drilled by H. Lindeman. Altitude of land surface about 150 feet. Driller's log.

	Thickness (feet)	Depth (feet)
Boulders and clay. . . . .	35	35
Rock . . . . .	25	60

Casing: 6-inch.

Nok. 684. H. E. Gardner, South County Trail. About 200 feet south of the junction of South County Trail and Victory Highway (F). Drilled by K. Russell in 1941. Altitude of land surface about 222 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Unknown. . . . .	100	100
Rock . . . . .	12	112

Casing: 6-inch.  
Static water level: 40 feet.

Nok. 692. J. P. Coombs, Victory highway and Scath County Trail. About 0.1 mile east of the junction of Victory Highway and South County Trail (F). Dug by A. Whitford in 1949. Altitude of land surface about 205 feet above sea level. Owner's log.

	Thickness (feet)	Depth (feet)
Sand and gravel . . . . .	52	52

Casing: 36-inch.  
Static water level: 46 feet.

Nok. 895. Rhode Island Department of Public Works, Division of Roads and Bridges, Wickford Hill Railroad Bridge. Test boring 2A (F). Driven by Division of Roads and Bridges in 1935. Altitude of land surface is about 175 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Artificial fill. . . . .	20.0	20.0
Top soil . . . . .	1.5	21.5
Sand, coarse, and cobbles. . . . .	8.0	29.5
Sand, fine . . . . .	1.5	31.0
Sand, coarse, and cobbles. . . . .	9.0	40.0

There are four other test borings at this location,

Nok. 894, 896, 897, and 898, which are 30, 31, 34.6, and 30.5 feet deep respectively. The log of Nok. 895 is representative.



Sok. 304. K. S. Green, Yagoo Pond Road. Northwestern shore of Yagoo Pond. Dug in 1954. Altitude of land surface about 130 feet above sea level. Owner's log.

	Thickness (feet)	Depth (feet)
Sand, fine . . . . .	12.3	12.3

Casing: 30-inch.

Static water level: 10.8 feet.

Table 3. Chemical analyses of water from wells penetrating different aquifers and from surface-water sources.  
(Analyses by Rhode Island Department of Health unless otherwise indicated. Dissolved constituents given in parts per million)

Well no.	Depth (feet)	Principal aquifer	Date of collection	pH	Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magne- sium (Mg)	Sodium (Na)	Potas- sium (K)	Bicar- bonate (HCO <sub>3</sub> )	Sul- fate (SO <sub>4</sub> )	Chlo- ride (Cl)	Fluo- ride (F)	Ni- trate (NO <sub>3</sub> )	Dis- solved solids	Hardness (as CaCO <sub>3</sub> ) Total	Car- bonate	Noncar- bonate
Egr. 142	150	Bedrock	Jan. 5, 1955	6.5	16	0.75	6.0	1.6	-	-	23	25	6	2.5	0	74	22	19	3
Exe. 96	546	Bedrock	Jan. 4, 1955	7.5	8	.25	4.8	.9	-	-	16	23	5	1.2	0	42	16	13	3
Exe. 8 1/2	16.8	Outwash	Apr. 15, 1946	5.9	-	0	-	-	-	-	8.5	-	7.5	-	1.8	44	22	7	15
Exe. 1C-21 1/2	40	Outwash	Apr. 23, 1924	6.7	10	.02	2.3	1.2	3.5	.4	11	4.1	3.8	-	1.0	33	11	9	2
Exe. 26	9	Outwash	Dec. 22, 1941	5.8	-	3.8	-	-	-	-	17	-	5	-	.4	70	86	14	72
Exe. 33	48	Outwash	Dec. 6, 1948	6.8	12	0	8.0	2.4	-	-	9.8	6.1	11	0	3.1	65	30	8	22
Exe. 39	55	Outwash	Apr. 18, 1955	5.6	-	0.05	-	-	-	-	8.5	-	7	0	13	45	14	7	7
Nok. 39	12	Outwash	Jan. 4, 1955	8.1	8	.05	4.4	1.3	-	-	9.8	19	5	.3	2.2	47	17	8	9
Nok. 123 1/2	47.5	Outwash	Feb. 3, 1954	5.9	9.2	.88	2.4	1.9	6.0	.3	11	7.6	7.8	0	.7	44	15	9	6
Sok. 315	50	Outwash	Jan. 4, 1955	6.4	4	.15	5.6	1.3	-	-	11	31	7	0	4.4	44	20	9	11
Queens River (at Usquepaug)	1/2	:	July 28, 1924	6.6	7.2	.20	2.2	1.1	3.9	1.0	9.8	6.8	3.5	-	.5	32	10	8	2
Queens River (at Usquepaug)	:	:	Mar. 21, 1951	5.3	15	.15	2.6	.7	-	-	6.1	4.8	8	-	0	46	10	5	5

1/ Analysis made by U. S. Geological Survey, Washington, D. C.