STATE OF CONNECTICUT
WATER RESOURCES COMMISSION

# HYDROGEOLOGIC DATA FOR THE LOWER THAMES and SOUTHEASTERN COASTAL RIVER BASINS, CONNECTICUT

By
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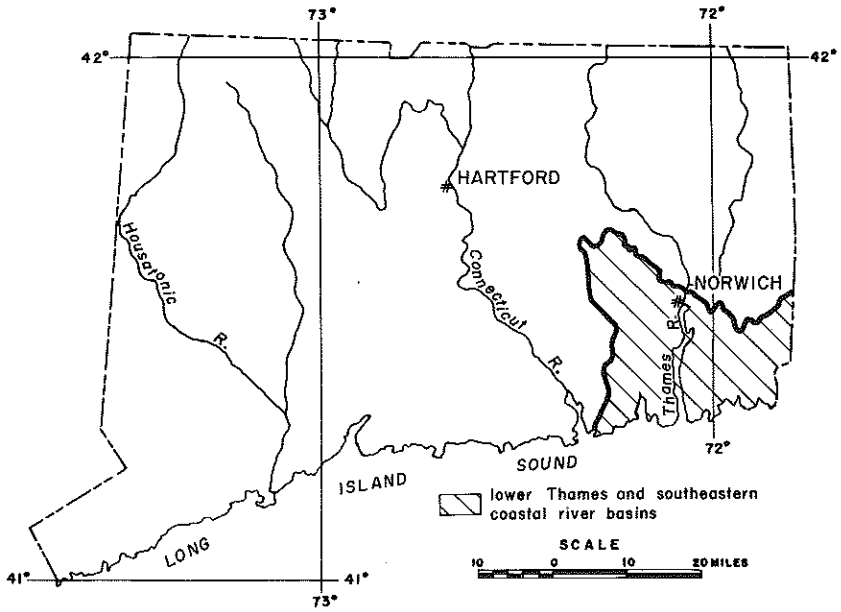
I. G. Grossman, Geologist,
and
Chester E. Thomas, Jr., Hydrologist
U.S. Geological Survey




Prepared by the
U.S. Geological Survey
in cooperation with the
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# INTRODUCTION

This report presents hydrologic and geologic data collected by the U.S. Geological Survey during an investigation of water resources in the lower Thames and southeastern coastal river basins in cooperation with the Connecticut Water Resources Commission. The report area occupies about 440 square miles in the southeastern part of the State; it includes about 5 square miles in southwestern Rhode Island. It includes the towns of Bozrah, Groton, Ledyard, Montville, New London, Stonington, and Waterford, and parts of Columbia, Colchester, East Lyme, Franklin, Lebanon, North Stonington, Norwich, Old Lyme, Preston, Salem, and Voluntown. A companion interpretive report, Connecticut Water Resources Bulletin No. 15, (Thomas and others, in preparation), evaluates the water resources of the area. The data on the following pages serve to document and supplement that report and should be especially useful in planning the development of water resources at specific localities.

Data were collected as part of this investigation from 1963 to 1965. Streamflow records from continuous-record gaging stations in the report area for this period have been published annually along with data from other parts of the State in a series of U.S. Geological Survey reports entitled "Surface Water Records of Connecticut." Water-level measurements in wells throughout the State from 1960 through 1966, including those made as part of this investigation, are published in Connecticut Water Resources Bulletin No. 7 (Meikle and Baker, 1965) and Connecticut Water Resources Bulletin No. 13 (Meikle, 1967). Most other data collected during this investigation are tabulated on the following pages. Included are some previously unpublished data collected prior to the start of this study.

The locations of sites at which data were collected are shown on Plate A in the pocket at the back of the report. Plate A includes the locations of 42 miscellaneous sites where measurements of streamflow were made during 1963 and 1964 and 6 other sites where continuous records are maintained. Data for 25 of the 42 miscellaneous sites are included in this report: data for the remaining 17 miscellaneous sites and for 5 of the 6 continuous-record sites have already been published in "Surface Water Records of Connecticut." Streamflow records for Pawcatuck River at Westerly, Rhode Island have been previously published in "Surface Water Records of Massachusetts, New Hampshire, Rhode Island, and Vermont."

Data presented, unless otherwise noted, were collected by U.S. Geological Survey personnel.

## PRESENTATION OF GROUND-WATER DATA

Most of the data contained in tables 1 thru 4 were collected during the period 1963-65. The data include records of about 740 wells, records of 5 springs, and logs of 229 wells and test holes. In some cases the depth of a well in table 1 differs slightly from the depth shown in table 3 because (a) the log may show the maximum depth penetrated before the well was finished at a shallower depth (b) the well may have filled in slightly when measured or (c) any one of several wells in a cluster may have been selected for a representative log. The data are being published in this form as a supplement to the companion report.

## WELL- AND SPRING-NUMBERING AND LOCATION SYSTEMS

In Connecticut, each well and test hole inventoried by the U.S. Geological Survey has been numbered in a sequence based on the town in which it is located. A separate sequence of serial numbers beginning with 1 is used in each town, and prefix letters are used to designate the town name. In the following tables, wells and test holes are arranged alphabetically by town name and by serial number. On plate A, only the serial number appears beside the symbol of the well or test hole it represents; the prefix letters were omitted because town names and boundaries are shown on the map. Suffix letters "th" indicate test holes. Springs are numbered similarly, beginning with 1 in each town; the suffix "sp" follows the serial numbers to distinguish them from well or test hole numbers.

To aid in locating wells, test borings, and springs on the map, a location system based on latitude and longitude is used. Following the well number in each table is a 13-digit number. The first 6 digits are the degrees, minutes, and seconds of latitude at the site of the well, spring or test hole, followed by the letter N to indicate north latitude; the next 6 digits are the degrees, minutes, and seconds of longitude. These digits define a tract of land having dimensions of one second of latitude and longitude, or approximately 100 x 75 feet. The last digit, following the decimal place, indicates whether the well referred to is the 1st, 2nd, 3rd, etc. well inventoried within this 1-second rectangle. The use of this system is illustrated in figure 1 for well Bz 1, located at Gilman in the northwest section of the study area. A 5-minute grid is printed on plate A, to provide a basis for scaling the locations of wells and borings.

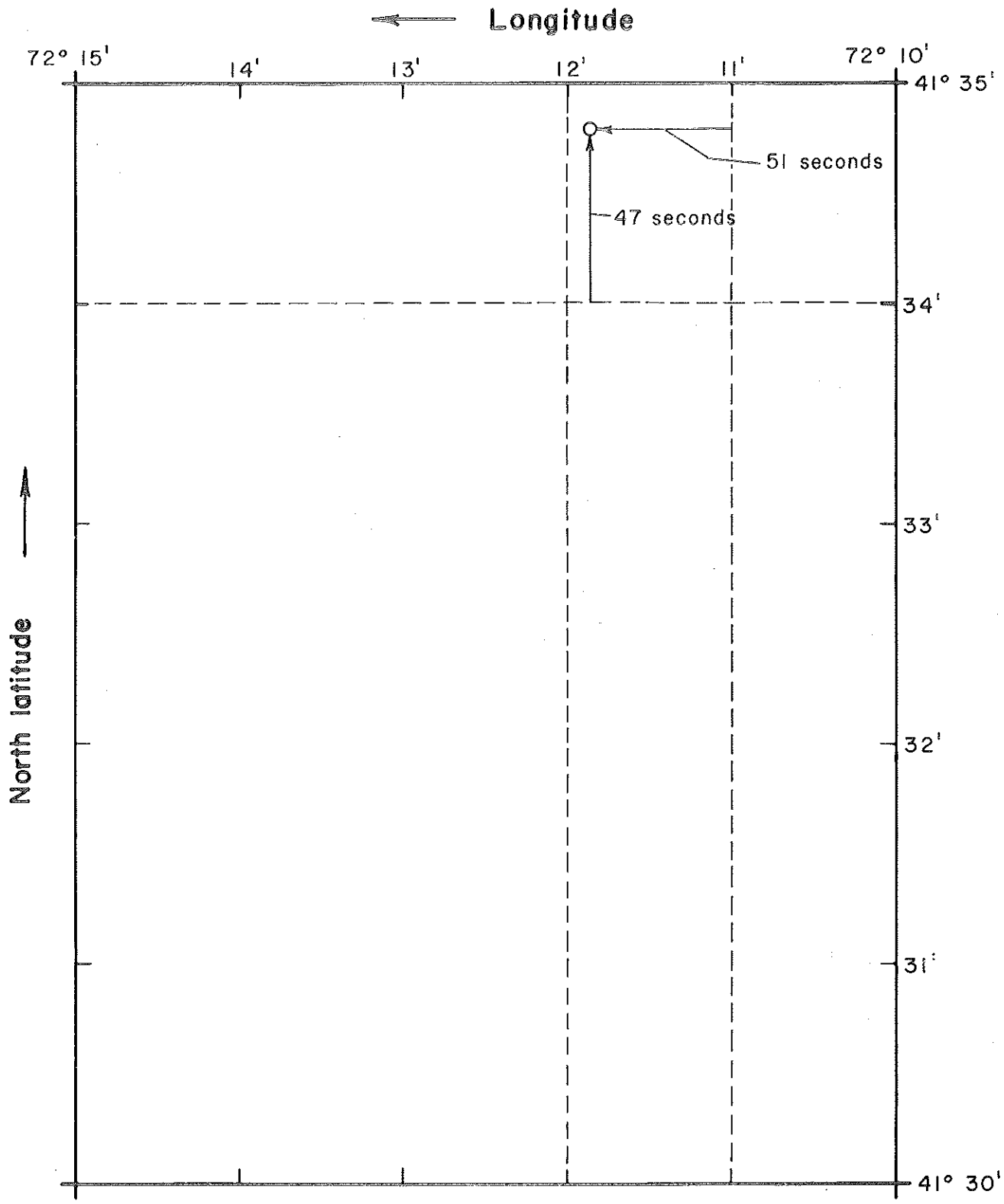


Figure 1 - Sketch illustrating location of well Bz 1 (table 1).
The location number is 413447N721151.1.

## PRESENTATION OF SURFACE-WATER DATA

Partial records of streamflow were collected at 33 gaging stations within the report area. At these gaging stations, from 3 to 17 discharge measurements and from 6 to 46 stage measurements were made from 1960 to 1964. Stages were measured corresponding to the discharges measured, and the relationship between stage and discharge was used to compute discharge at times when only the stage was measured. Table 5 presents the complete list of discharge determinations for all partial-record gaging-stations.

From 1 to 3 discharge measurements, made at 25 miscellaneous sites during 1963 and 1964, are listed in table 6.

## NUMBERING SYSTEM FOR STATIONS ON STREAMS

An indentification number has been assigned to each location where regular measurements of streamflow and determinations of water quality have been made. The numbers assigned conform with the standard downstream order of listing stream-gaging stations used by the U.S. Geological Survey. To further aid the reader in locating a stream-gaging site, the indentification number is followed by the name of the stream and the name of the nearest community.

## PRESENTATION OF QUALITY-OF-WATER DATA

All chemical analyses listed in the tables 7 thru 10 in this report were made by the U.S. Geological Survey at the laboratory in Albany, New York, except where otherwise noted. Samples were analyzed according to the methods regularly used by the Geological Survey. These methods are described in "Methods for Collection and Analysis of Water Samples," U.S. Geological Survey Water-Supply Paper 1454 (Rainwater and Thatcher, 1960).

Concentrations of silica, iron, manganese, calcium, magnesium, sodium, potassium, bicarbonate, sulfate, chloride, fluoride, nitrate, phosphate, dissolved solids, dissolved oxygen, ABS, and turbidity are reported in parts per million. ABS refers to alkyl benzene sulfonate, a typical anionic surfactant which is the principal ingredient of "hard" household detergents. The dissolved-solids concentrations shown in the tables of this report represent the residue obtained by evaporating a clear sample of water and drying the residue at 180°C for 1 hour. The hardness of water is reported as parts per million calcium carbonate ($CaCO_3$).

The physical, chemical, and bacterial quality of drinking water in the United states is now judged in relation to the U.S. Public Health Service Drinking Water Standards of 1962. A statement of the 1962 standards is contained in Public Health Service Publication No. 956. The USPHS standards apply only to drinking water and water-supply systems used by interstate carriers and others subject to Federal Quarantine Regulations. However, these standards have been voluntarily accepted by the American Water Works Association and the Connecticut State Department of Health as criteria for all public water supplies. The recommended upper limits for the common chemical constituents are shown at the top of the tables of analyses in this report.

For samples collected from streams, the rate of flow at the time of collection and the relation of that flow to average discharge at the site are given with the analysis if such data are available.

Quality-of-water collection sites shown on plate A are numbered according to the numbering system for ground-water stations explained on page 3 and the numbering system for surface-water stations explained on page 5.

## SELECTED REFERENCES

The following publications provide basic data and background information on the methods for collecting, analyzing, and evaluating hydrogeologic data:

Corbett, D. M., and others, 1943, Stream-gaging procedure, a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.

Gregory, H. E. and Ellis, E. E., 1916, Ground water in the Hartford, Stamford, Salisbury, Willimantic, and Saybrook areas, Connecticut: U.S. Geol. Survey Water-Supply Paper 374, 150 p.

Hem, J. D., 1959, Study and interpretation of the chemical characteristics of natural water: U.S. Geol. Survey Water-Supply Paper 1473, 269 p.

Johnson, A. I., 1963, The Hydrologic Laboratory: U.S. Geol. Survey open-file rept., 27 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Meikle, R. L., and Baker, J. A., 1965, Ground-water levels in Connecticut, 1960-1964: Connecticut Water Resources Bull. No. 7, 26 p.

Meilke, R. L., 1967, Ground-water levels in Connecticut, 1965-1966: Connecticut Water Resources Bull. No. 13, 16 p.

Meinzer, O. E., 1923, Outline of ground-water hydrology, with definitions: U.S. Geol. Survey Water-Supply Paper 494, 71 p.

Pettijohn, F. J., 1957, Sedimentary Rocks: Harper and Brothers, New York, 718 p.

Rainwater, F. H., and Thatcher, L. L., 1960, Methods for collection and analysis of water samples: U.S. Geol. Survey Water-Supply Paper 1454, 301 p.

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Thomas, C. E., Jr., Randall, A. D., and Thomas, M. P., 1966, Hydrogeologic data in the Quinebaug River basin: Connecticut Water Resources Bull. No. 9, 84 p.

U. S. Geological Survey, issued annually 1963-64, Surface water records of Connecticut.

U.S. Public Health Service, 1962, Drinking water standards, 1962: U.S. Public Health Service Publ. 956, 61 p.

Works Progress Administration for Connecticut, 1938, Records of wells, springs, and ground-water levels in the towns of Colchester, East Haddam, East Hampton, East Lyme, Lyme, New London, Old Lyme, and Waterford, Connecticut: Connecticut Ground Water Survey Bull. GW-5, 314 p.

Table 1.--Records of wells

(Test holes are in table 4)

Well no.: See text for explanation of numbering system.
Location: See text for explanation of location system.
Altitude: Estimated from topographic map, contour interval 10 feet.
Type of well: Drl, drilled, Drv, driven; Jet, jetted.
Depth below land surface: Reported depths are to nearest ft; depths measured by U.S. Geological Survey are to nearest tenth of a ft.
Static water level: Reported water levels are in feet, water levels measured by U.S. Geological Survey are in feet and tenths.

Use: Agr, agricultural; Com, commercial; Dom, domestic; Ind, industrial; Inst, institutional; None, not in use when visited; Obs, observation; PS, public supply; Test, test well.
Remarks: C, chemical analysis in table 7 ; gpm, gallons per minute; gpd, gallons per day; L, log in table 3 ; T, temperature in degrees Fahrenheit measured by the U.S. Geological Survey.

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Bozrah | | | | | | | | |
| Bz 1 | 413447N721151.1 | Gilman Brothers Co., Inc. | 1963 | 240 | Drl | 300 | 8 | 0-38 | 28 | Bedrock | 25 | -63 | 15 | 125 | 8 | 0.12 | Ind | Supplies about 1,000 gpd. Yantic River water used for cooling. C. |
| Bz 2 | 413449N721150.1 | do | 1900± | 290 | Dug | 12.0 | 96 | 0-12 | -- | Till | 2.5 | 2-26-64 | 4+ | -- | -- | -- | Ind | Dry for first time in 1963. U.S.G.S. observation well. T.51° 10-30-64. C. |
| Bz 3 | 413350N720923.1 | Rose-Maid Poultry, Inc. | 1900? | 160 | Drl | 365 | 10 | 0- 7 | 4 | Bedrock | 17.8 | 4- 3-64 | 10 | -- | -- | -- | Agr | Supplies about 6,000 gpd for 100,000 chickens and washing. |
| Bz 4 | 413442N721157.1 | Lawrence Gilman | 1963 | 220 | Drl | 149 | 8 | 0-31 | 24 | Bedrock | 6 | -63 | 8 | 109 | 4+ | .07 | Dom | Supplies 2 families. |
| Bz 5 | 413016N720833.1 | Theodore Sage | 1957 | 110 | Dug | 13.0 | 30 | 0-14± | -- | Sand and gravel | 4.1 | 4-22-65 | 150± | 10± | 2-3 | 15.0± | Dom | Well dewatered at rate of 300± gpm when 20 ft in diameter during construction. Yield and specific capacity corrected for pumping from storage in well. L. |
| Bz 6 | 413019N720833.1 | Perry and Ruth White | 1955 | 122 | Drl | 66 | 6 | 0-66 | -- | Sand and gravel | 18 | -55 | 7+ | 5± | 6-7 | 1.5± | Dom | Capacity estimated to be 50± gpm. Well supplying church about 100 ft north taps bedrock and yields 2± gpm. L. |
| Bz 7 | 413404N720920.1 | Wirthmore Feeds, Inc. | 1965 | 175 | Drl | 225 | 6 | 0-25 | 18 | Bedrock | 12 | 8- 5-65 | 12 | 213 | -- | .06 | Com | |
| | | | | | | | | | | Town of Colchester | | | | | | | | |
| Co 214 | 413429N721655.1 | J. Busel | | 380 | Drl | 219 | -- | -- | -- | Bedrock | 18 | 10-25-37 | -- | -- | -- | -- | -- | C. |
| Co 255 | 413238N721731.1 | S. McDonald | | 580 | Dug | 13 | -- | -- | -- | Till | 5 | 10-29-37 | -- | -- | -- | -- | -- | C. |
| Co 269 | 413547N721817.1 | S. Stefanowicz | | 525 | Drl | 104 | 6? | -- | 20? | Bedrock | 18 | | 6 | -- | -- | -- | Dom | |
| Co 286 | 413202N721515.1 | | | 490 | Drl | 230 | -- | -- | -- | Bedrock | -- | | -- | -- | -- | -- | -- | C. |
| Co 312 | 413428N721645.1 | Mr. Dundun | | 350 | Drl | 126 | 6 | -- | 20 | Bedrock | 1 | 3- 1-61 | 12 | 80 | 1 | .15 | Dom | High iron content. C. |
| Co 314 | 413229N721422.1 | Joseph Polzer | | 428 | Dug | 22 | 30 | -- | 19 | Till and Bedrock | 14.1 | 6-17-64 | -- | -- | -- | -- | Dom | Blasted 3 ft into bedrock. Failed once in 10 years. |
| | | | | | | | | | | Town of East Lyme | | | | | | | | |
| ELy 3 | 412213N721316.1 | W. Cook | 1956 | 95 | Drl | 62 | 6¼ | 0-14 | 12 | Bedrock | 8 | 9-25-56 | 5 | -- | -- | -- | Dom | |
| ELy 4 | 412012N721255.1 | W. Brolloy | 1956 | 100 | Drl | 160 | 6 | 0-22 | 7 | Bedrock | 9 | 8-23-56 | 1.5 | 151 | 3/4 | .01 | Dom | |
| ELy 5 | 411914N721348.1 | R. Reincke | 1956 | 82 | Drl | 73 | 6¼ | 0- 9 | 5 | Bedrock | 22 | 11-21-56 | 4 | -- | -- | -- | Dom | |
| ELy 6 | 411858N721215.1 | R. Fagan | 1957 | 22 | Drl | 172 | 6 | 0-43 | 15 | Bedrock | 25 | 8- 7-57 | 5 | 95 | 3 | .05 | Dom | |
| ELy 7 | 411712N721231.1 | Mr. Hall | 1956 | 20 | Drl | 150 | 6 | 0-55 | 35 | Bedrock | 18 | 4-10-56 | 20 | 82 | 11 | .24 | Dom | At contact of two formations. |
| ELy 8 | 411823N721404.1 | F. Wilkos | 1957 | 104 | Drl | 74 | 6 | 0-16 | 16 | Bedrock | 20 | 5- 3-57 | 12 | 40 | 1 | .30 | Dom | C. |
| ELy 9 | 411946N721317.1 | Connecticut Water Co. | 1960 | 95 | Drl | 63 | 8 | 0-30<br>40-60 | 63 | Sand and gravel | 8 | -60 | 110 | 32 | 96 | 3.4 | PS | Packed with 3/4-inch crushed stone. Tested with 10 ft of 6-inch screen. Finished with 10 ft of slotted casing at 30 to 40 ft. Dual filter tanks for treatment of iron. |
| ELy 10 | 412202N721257.1 | Board of Education (Flanders School) | | 56 | Dug | 27.8 | 36 | 0-30± | 30+ | Sand | 14.4 | 7-23-63 | 200± | 10 | 3/4 | 20.0 | Inst | Water reported to be medium hard. |
| ELy 11 | 412053N721250.1 | Board of Education (East Lyme Jr. High School) | 1956 | 42 | Drl | 128 | 8 | 0-122 | 128+ | Sand and gravel | 9.8 | 7-25-63 | 75 | 19 | 17 | 4.0 | Inst | Gravel packed and finished with 6 ft of 125-slot screen at 122-128 ft. C. L. |
| ELy 12 | 412210N721331.1 | Pataganset Finishing Co., Inc. | 1942 | 62 | Drl | 224 | 8 | 0-80 | -- | Bedrock | -- | | 6 | -- | -- | -- | Ind | Formerly supplied 200 employees with 1,000 gpd. Nearby brook used for process water. C. |
| ELy 13 | 411834N721423.1 | Conn. Dept. of Agriculture & Natural Resources (Rocky Neck State Park) | 1935 | 14 | Dug | 18 | 48 | 0-18 | 18+ | Sand and gravel | 13 | | 250± | -- | 4 | -- | Inst | C. |
| ELy 14 | 411829N721426.1 | do | 1935 | 12 | Dug | 17 | 48 | 0-17 | 17+ | Sand | 11 | | -- | -- | -- | -- | Inst | Several wells at park supply 3,000 people on Sundays during summer season. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of East Lyme--Continued | | | | | | | | |
| ELy 15 | 411840N721428.1 | Conn. Dept. of Agriculture & Natural Resources (Rocky Neck State Park) | 1935 | 16 | Dug | 20.1 | 48 | 0-20± | 20+ | Sand | 16.6 | 8- 5-65 | -- | -- | -- | -- | Inst | |
| ELy 16 | 411846N721428.1 | do | 1935 | 21 | Dug | 25 | 48 | 0-25± | 25+ | Sand | 18 | | -- | -- | -- | -- | Inst | Pumped dry a few times at 23 ft depth; deepened in 1953. |
| ELy 17 | 411841N721433.1 | do | 1935 | 12 | Dug | 17 | 48 | 0-17 | 17+ | Sand | 11 | | -- | -- | -- | -- | Inst | |
| ELy 18 | 411836N721422.1 | do | | 16 | Dug | 19 | 36 | 0-19 | 19+ | Sand | 12 | | -- | -- | -- | -- | Inst | Not as productive as ELy 13 and ELy 14. |
| ELy 19 | 411843N721423.1 | do | 1958 | 21 | Dug | 21 | 36 | 0-21 | 21+ | Sand | 12 | | -- | -- | -- | -- | Inst | In "quicksand." |
| ELy 20 | 411847N721423.1 | do | 1958 | 20 | Dug | 27 | 36 | 0-27 | 27+ | Sand | 16 | | -- | -- | -- | -- | Inst | |
| ELy 21 | 411900N721428.1 | do | | 22 | Dug | 26 | 36 | 0-26 | 26+ | Sand | 18 | | -- | -- | -- | -- | Inst | Inadequate in dry weather at 23 ft depth; deepened in 1943. Supplies one family and wash water for trucks. C. |
| ELy 22 | 411806N721438.1 | do | 1939 | 12 | Dug | 15 | 96± | 0-15 | 15+ | Sand | 9 | | 60 | 3 | 4 | 20.0 | Inst | Finished with 3 vertical sets of 48(±)-inch diameter tile, 15 ft deep. |
| ELy 23 | 411806N721438.2 | do | 1938 | 12 | Drv | 16 | 3 | 0-16 | 16+ | Sand | 9 | | 17 | 6 | -- | 2.8 | Inst | Three driven and jetted wells yielded total of 50 gpm, adequate for 1,000 people weekdays, inadequate for 4,000 on Sundays. |
| ELy 24 | 411801N721438.1 | do | 1932 | 10 | Dug | 14.0 | 48+ | 0-16 | 16+ | Sand | 8.2 | 9-25-63 | 50± | 5± | -- | 10.0± | Inst | Inadequate at 12 ft depth; deepened in 1932 when two 48-inch diameter wells constructed inside older well. C. |
| ELy 25 | 411812N721412.1 | do | 1941 | 7 | Dug | 9.0 | 36 | 0-12 | 12+ | Sand | 6.4 | 3-26-63 | -- | -- | -- | -- | Inst | |
| ELy 26 | 411758N721448.1 | do | 1936 | 42 | Drl | 431 | 6 | 0-44 | 2+ | Bedrock | 28.3 | 7-26-63 | 20 | 170 | 6± | .12 | Inst | Water obtained at depth of 100 ft. Brackish; never used. U.S.G.S. observation well. T. 52° 9-29-64. |
| ELy 27 | 411806N721436.1 | do | pre-1931 | 15 | Dug | 13.7 | 8 | 0-17± | 20+ | Sand | 12.1 | 7-26-63 | -- | -- | -- | -- | Inst | Old dug well packed with stone and gravel from land surface to within 3 ft of bottom; 2½ ft of perforated casing at 17± - 19½± ft. Brackish, abandoned. U.S.G.S. observation well. T. 58° 9-29-64. |
| ELy 28 | 411924N721211.1 | Town of East Lyme (Niantic Center School) | 1933 | 26 | Dug | 24 | 24 | 0-24 | 24+ | Gravel | 17 | 5-23-39 | 50+ | 6- | -- | 8.0+ | Inst | Supplied 250± people with 500± gpd. Abandoned when city water became available. |
| ELy 29 | 411932N721404.1 | Conn. State Farm & Prison for Women | | 29 | Dug | 21.0 | 300± | 0-21 | 21+ | Sand and gravel | 16.1 | 7-25-63 | 104 | 3 | 24 | 34.0± | Inst | U.S.G.S. observation well. T. 54° 9-29-64. C. |
| ELy 30 | 412040N721533.1 | William C. Pock | 1860± | 96 | Dug | 23.2 | 24-48 | 0-23+ | 23+ | Sand and gravel | 20.2 | 7-30-63 | -- | -- | -- | -- | Dom | Iron observed in water after well had been unused for awhile. |
| ELy 31 | 412039N721532.1 | do | 1955 | 90 | Dug | 22.6 | 42 | 0-22 | 22+ | Sand and gravel | 16.8 | 7-30-63 | -- | -- | -- | -- | Agr | Supplies 1,000± gpd for 12,000 chickens. Two lateral well points (1½") extend 18" from well. C. |
| ELy 32 | 412108N721527.1 | State of Conn. Military Dept. | 1939 | 162 | Drl | 477 | 6 | 0-25 | 20± | Bedrock | 30 | -39 | 2 | 165 | 4 | .01 | Dom | Yield 1 gpm at depth of 175 ft before deepening. C. |
| ELy 33 | 411802N721242.1 | John Wollenschlager (Black Point Beach Club) | 1922 | 60 | Drl | 201 | 6 | 0-41 | 40± | Bedrock | 4 | -38 | 38 | 160± | 12 | .24 | PS | Wells ELy 33, 34, and 35 supply about 100,000 gpd on weekdays and 300,000 gpd on weekends 7 mos. of year. |
| ELy 34 | 411801N721240.1 | do | 1935? | 60 | Drl | 250 | 6 | 0-60 | 60± | Bedrock | 4 | | 65 | 162 | 12 | .40 | PS | Wells ELy 33, 34, and 35 supply about 100,000 gpd on weekdays and 300,000 gpd on weekends 7 mos. of year. C. |
| ELy 35 | 411803N721241.1 | do | 1948? | 59 | Drl | 250 | 8 | 0-40 | 25± | Bedrock | 4 | | 80 | 162 | 12 | .49 | PS | Filter used for "mica sand" and color. |
| ELy 36 | 411934N721149.1 | Town of East Lyme | pre-1939 | 27 | Dug | 30.5 | 66± | 0-33 | 33+ | Gravel | 6 | | 500+ | 20 | 15- | 12.0+ | PS | Supplied a representative total of 533,225 gallons in 6-month period ending November 1962. Diameter at surface also reported to be 216 inches. C. |
| ELy 37 | 412104N721525.1 | State of Conn. Military Dept. | 1946 | 165 | Drl | 337 | 6 | 0-86 | 66 | Bedrock | 32 | | 10± | -- | -- | -- | PS | Supplies 6 people throughout year and 100 additional men 30 days per year. |
| ELy 38 | 411950N721133.1 | State of Conn. (Camp Dempsey) | 1936 | 29 | Drl | 100 | 10 | 0-30<br>40-77 | 100+ | Sand and gravel | 27.3 | 5- 6-65 | 102 | 15 | 38 | 6.8 | PS | Finished with 10 ft of 10-inch screen (0.014 slot) at 30 to 40 ft depth and 20 ft of 10-inch screen (0.010 slot) at 77 to 97 ft depth. Screen clogged and yield declined; acidized with 30 gallons $H_2SO_4$ in 1956 and yield recovered partially to 60 gpm. See ELy 39. |
| ELy 39 | 411949N721134.1 | do | 1936 | 29 | Drl | 100 | 10 | 0-30<br>40-77 | 100+ | Sand and gravel | 26.9 | 5- 6-65 | 103 | 12 | 48 | 8.5 | PS | Finished with 10 ft of 10-inch screen (0.10 slot) at 30 to 40 ft and 20 ft of 10-inch screen (0.10 slot) at 77 to 97 ft. Together with ELy 38 supplies peak demand of 150,000 gpd in 2 summer months. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of East Lyme--Continued | | | | | | | | |
| ELy 40 | 411949N721134.2 | State of Conn. (Camp Dempsey) | 1936 | 29 | Drl | 110 | 10 | -- | 100+ | Sand and gravel | -- | -35 | -- | -- | -- | -- | Test | Test well for ELy 38 and ELy 39. L. |
| ELy 41 | 411945N721318.1 | Carriage Hill Corp. (The Conn. Water Co.) | 1964 | 96 | Drl | 38 | 8 | 0-28 | 66 | Sand and gravel | 11 | 6- -64 | 150 | 12.8 | 12 | 11.7 | PS | Gravel packed and finished with 5 ft of 80 slot screen, and 5 ft of 40 slot screen at 28 to 38 ft. Supplies 94 houses. L. |
| ELy 42 | 412513N721450.1 | Francis H. York | 1943± | 272 | Drl | 80 | 6 | -- | 4 | Bedrock | 28 | -43 | 7± | 65- | 1 | .11+ | Dom | C. |
| ELy 43 | 412431N721630.1 | Mrs. Marion Rainey | 1880± | 220 | Dug | 16.0 | 24 | 0-16 | 16+ | Till | 14.8 | 11- 1-63 | -- | -- | -- | -- | Dom | Yield low, less than 5 gpm. Dry in October 1963. |
| ELy 44 | 411948N721311.1 | Conn. Water Co. | | 94± | Drl | 300 | -- | -- | 40 | Bedrock | -- | | 3 | -- | -- | -- | -- | C. |
| ELy 45 | 411947N721307.1 | do | | 90± | Drl | 248 | -- | -- | 50 | Bedrock | -- | | 12 | -- | -- | -- | -- | Unable to develop a supply in overlying unconsolidated material owing to heavy pumpage of sand. |
| ELy 46 | 412127N721242.1 | Conn. Yankee Motor Inn | 1961 | 55 | Drl | 70 | 6 | 0-63 | 70+ | Sand and gravel | 10± | -61 | 208 | 15± | 4 | 20.8± | Com | Finished with 7 ft of 6-inch screen at 63 to 70 ft depth. Pumped at 300 gpm for 1 hour. Pumped at 180 gpm, 24 hrs per day, in summer only. |
| ELy 47 | 412126N721241.1 | do | 1961 | 55 | Drl | 230 | 6 | -- | -- | Bedrock | 14.7 | 3-24-64 | 30 | -- | -- | -- | Com | Supplies about 7,000 gpd throughout year for motel. See ELy 46. C. |
| ELy 48 | 411912N721407.1 | Conn. State Farm and Prison for Women | 1919± | 32 | Drl | 90± | 6 | -- | -- | Unknown | -- | | -- | -- | -- | -- | Inst | Supplied 20 people before replacement by ELy 29. Adequate. |
| ELy 49 | 411930N721433.1 | do | 1850± | 38 | Dug | 27.4 | 30 | 0-28± | -- | Sand and gravel | 24.5 | 4-27-64 | -- | -- | -- | -- | Dom | Supplies one family. |
| ELy 50 | 411933N721353.1 | do | 1923± | 60 | Drl | 100± | 6? | | -- | Unknown | -- | | -- | -- | -- | -- | Inst | Supplied 20 to 25 people and 50 to 60 head of cattle and a dairy. Later supplied cannery before replacement by ELy 29. Adequate. |
| ELy 51 | 411941N721345.1 | do | 1926± | 108 | Drl | 100± | 6? | -- | -- | Unknown | -- | | -- | -- | -- | -- | Inst | Used until replacement by ELy 29. Adequate. |
| ELy 52 | 411954N721104.1 | State of Conn. (Camp Dempsey) | 1945 | 18 | Drv | 27 | 1½ | 0-27 | -- | Sand | 17 | -45 | 7± | 7± | 8 | 1.0± | Inst | Supplies 500 men in summer and weekends in winter. Drawdown and specific capacity data for ELy 52-54 based on fact that suction was not broken during test. |
| ELy 53 | 411958N721105.1 | do | 1956 | 18 | Drv | 27 | 1½ | 0-27 | -- | Sand | 17 | -56 | 7± | 7± | 8 | 1.0± | Inst | Supplies 100± gpd. |
| ELy 54 | 411959N721111.1 | do | 1962 | 21 | Drv | 27 | 1½ | 0-27 | -- | Sand | 17 | -62 | 7± | 7± | 8 | 1.0± | Inst | Supplies 300± gpd. |
| ELy 55 | 411944N721123.1 | do | 1945 | 21 | Drv | 28 | 1½ | 0-28 | -- | Sand | 17 | -45 | 7± | 7± | 8 | 1.0± | Dom | Supplies one family with 500± gpd. |
| ELy 56 | 412057N721241.1 | Laurel Hill Acres, Inc. | 1958 | 35 | Drl | 72 | 8 | 0-62± | -- | Sand and gravel | flow | -58 | 200 | 30± | 8 | 6.7 | PS | Finished with 10 ft of 8-inch screen from 62 to 72 ft depth. Suplies 250± people with 17,000± gpd. L. |
| ELy 57 | 412033N721247.1 | Bargnesi Water Supply | 1950± | 32 | Drl | 48 | 8 | 0-32± | -- | Sand and gravel | 0 | -50± | 48 | 33 | 48 | 1.4 | PS | Well flowed from top of 8-inch coupling 0.5 ft below land surface. Finished with 15 ft of 8-inch screen. Supplies 100± people. L. |
| ELy 58 | 411804N721419.1 | Conn. Dept. of Agriculture & Natural Resources (Rocky Neck State Park) | 1965 | 10 | Dug | 18 | 72± | 0-18 | -- | Sand and gravel | 8 | 7- -65 | 40± | 1 | 8 | 13.0± | Inst | Three 36-inch casings each packed with 1 ft of crushed stone. Saline; abandoned. |
| | | | | | | | | | | Town of Franklin | | | | | | | | |
| Fr 1 | 413514N720921.1 | R. Bonfoey | 1957 | 300 | Drl | 180 | 6 | 0-30 | 9 | Bedrock | 20 | 7-17-57 | 15 | 60 | 4 | .25 | Dom | C. |
| Fr 2 | 413435N720823.1 | H. Diehl | 1955 | 175 | Drl | 100 | 6 | 0-30 | 30 | Bedrock | 19 | 11-11-55 | 3 | 81 | 2 | .04 | Dom | C. |
| Fr 5 | 413417N720756.1 | | | 140 | Dug | 20 | -- | 0-20 | 20 | Unconsolidated deposit | 20 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 16. Water level fluctuated 5 ft. Well "went dry." Bedrock at 20 ft. |
| Fr 6 | 413414N720758.1 | | | 145± | Dug | 18 | -- | 0-18± | -- | Unconsolidated deposit | 16 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 17. Water level fluctuated 7 ft. |
| Fr 7 | 413442N720826.1 | F. S. Barber | | 165± | Dug | 20 | -- | 0-20± | -- | Unconsolidated deposit | 16 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 18. |
| Fr 8 | 413446N720831.1 | | | 175 | Dug | 18 | -- | 0-18± | -- | Unconsolidated deposit | 16 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 19. |
| Fr 9 | 413502N720901.1 | John Howe | | 200 | Dug | 14 | -- | 0-14 | 14 | Till | 12 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 20. Well "went dry." Consumption was 10 gpd. |
| Fr 10 | 413519N720934.1 | Lebanon Road School | | 315± | Dug | 10 | -- | 0-10 | 10 | Till | -- | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 21. Well "went dry." |
| Fr 11 | 413541N720943.1 | | | 365± | Dug | 14 | -- | 0-14± | -- | Till | 12 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 22. Consumption was 20 gpd. |
| Fr 12 | 413611N721002.1 | | | 485± | Dug | 13 | -- | 0-12 | 12 | Till | -- | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 23. Well "went dry." |
| Fr 13 | 413622N721025.1 | Sherman Loomis | 1911 | 505± | Drl | 235 | -- | -- | 15 | Bedrock | -- | | -- | -- | -- | -- | Dom | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 24. Unsuitable because of high iron content. C. |
| Fr 14 | 413647N721050.1 | G. L. Ladd | | 510 | Dug | 17 | -- | 0-17 | 17 | Till | 16 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374 p. 131, 132 as no. 25. Water level fluctuated 6 ft. Well "went dry." |

Table 1.--Records of wells--Continued

| Well no. | Location' | Owner or name | Year com-pleted | Alti-tude above msl (feet) | Type of well | Depth below land surface (feet) | Dia-meter (in-ches) | Casing set from-to (feet) | Depth to bed-rock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measure-ment | Yield (gpm) | Draw-down (feet) | Dura-tion of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Franklin--Continued | | | | | | | | |
| Fr 15 | 413618N720857.1 | E. Mitchell | | 490± | Dug | 28 | -- | 0-28± | -- | Till | 23 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, P. 131, 132 as no. 27. Consumption was 40 gpd. Altitude erroneously published as 285 ft. |
| Fr 16 | 413402N720755.1 | Conn. State Highway Dept. | 1955 | 150 | Drl | 267 | 8 | -- | -- | Bedrock | 42.6 | 6-10-64 | -- | -- | -- | -- | Inst | Supplies 30 employees and wash water for 6 trucks. C. |
| Fr 17 | 413419N720804.1 | The Kenneth B. Church Co., Inc. | 1948± | 132 | Dug | 13.5 | 24 | 0-14± | -- | Gravel | 10.4 | 6-11-64 | 15± | 4± | 4 | 3.8± | Ind | Supplies about 600 gpd for cooling and making paint. |
| Fr 18 | 413808N721007.1 | Unity Foods (Division of Agway, Inc.) | 1961 | 262 | Drl | 63 | 6 | -- | -- | Bedrock | 10± | | 15 | 60± | 4 | .25 | Ind | Drilled to depth of 75 ft, had filled in to 63 ft in Dec. 1963. Pumping level 17.2 ft (7-9-64). Supplies about 5,000 gpd for boiler and process water. C. |
| Fr 19 | 413808N721006.1 | Berkman Grain Co. | 1933± | 262 | Dug | 12 | 48-60 | 0-12± | -- | Till | 6 | | -- | -- | -- | -- | Com | Supplies 1,000- gpd. |
| Fr 20 | 413400N720737.1 | Sonoco Service, Inc. | 1964 | 120 | Dug | 30± | 180-96 | -- | -- | Sand and gravel | 10± | -64 | -- | -- | -- | -- | Ind | Inadequate; destroyed. |
| Fr 21 | 413501N720801.1 | Michael O'Hearn | 1946 | 170 | Drl | 103 | 6 | 0-45 | 40 | Bedrock | 26 | 3- -46 | 15? | -- | -- | -- | Dom | C. |
| Fr 22 | 413501N720757.1 | T. O'Hearn | | 158 | Dug | 25? | -- | 0-25? | 25+ | Unconsolidated deposit | 23 | | -- | -- | -- | -- | -- | Published in U.S. Geol. Survey Water Supply Paper 374, p. 131, 132 as no. 15. C. |
| | | | | | | | | | | Town of Groton | | | | | | | | |
| Gt 1 | 412233N715828.1 | Byron Davis | 1950 | 155 | Drl | 38 | 6 | -- | 13 | Bedrock | -- | | 15+ | -- | -- | -- | Dom | |
| Gt 2 | 411951N715929.1 | A. Anderson | 1949 | 10 | Drl | 58 | 6 | -- | 4 | Bedrock | 12.2 | 11-25-52 | 5 | -- | -- | -- | Dom | Adequate for 4 people. |
| Gt 3 | 411932N715939.1 | E.I. Rathbone | 1949 | 60 | Drl | 325 | 6 | -- | 20 | Bedrock | 40? | | .5 | -- | -- | -- | Dom | Inadequate. |
| Gt 4 | 411930N715915.1 | Mrs. Augustino Morgan | 1949 | 40 | Drl | 95 | 6 | -- | 7 | Bedrock | -- | | 3 | -- | -- | -- | Dom | |
| Gt 5 | 412127N720121.1 | Fred McCollins | 1951 | 120 | Drl | 81 | 6 | -- | 18 | Bedrock | -- | | 3 | -- | -- | -- | Dom | Adequate for 3 people. |
| Gt 6 | 412125N720125.1 | Orin C. Merry | 1951± | 105 | Drl | 65.2 | 6 | 0-29 | 25 | Bedrock | 11.2 | 12- 5-63 | 15 | -- | -- | -- | Dom Obs | U.S.G.S. observation well. Water level records published in Conn. Ground Water Survey Bull. No. 5 and Conn. Water Resources Bulls. No. 2 nad 7. Reportedly overflowed twice in 11 years. C. |
| Gt 7 | 412103N720243.1 | Blanche E. Grant | 1949 | 28 | Drl | 36 | 6 | -- | 15 | Bedrock | -- | | 15+ | -- | -- | -- | Dom | Supplies 2 people. C. |
| Gt 8 | 412107N720243.1 | H. C. Staples | 1949 | 40 | Drl | 85 | 6 | -- | 7 | Bedrock | -- | | 6 | -- | -- | -- | Dom | Supplies 4 people. |
| Gt 9 | 412046N720055.1 | Leon Barnett | 1951 | 150 | Drl | 70 | 6 | -- | 30 | Bedrock | 19.3 | 11-25-52 | 3 | -- | -- | -- | Dom | Adequate for 3 people. Color reported slightly bluish. |
| Gt 10 | 412317N720148.1 | George Holmes | 1951 | 140 | Drl | 107 | 6 | -- | 24 | Bedrock | -- | | 5 | -- | -- | -- | Dom Agr | Adequate for 9 people and stock. |
| Gt 12 | 412321N715848.1 | George Hewitt | 1951 | 55 | Drl | 45 | 6 | 0-45 | 45+ | Gravel | 11 | 9- -51 | 10 | -- | -- | -- | Dom | |
| Gt 14 | 412112N715904.1 | Mystic Fuel & Ice Co., Inc. | 1925± | 152 | Drl | 218± | 6 | -- | 35± | Bedrock | 5± | | 15+ | 115± | ½ | .13 | Ind | Water level estimated from nearby Gt 54. Supplies 9,000 gpd in summer for cooling; formerly supplied water for making ice. C. |
| Gt 15 | 412337N715748.1 | E. W. Brown | 1895 | 42 | Drl | 40 | 6 | -- | 11 | Bedrock | -- | | 9 | -- | -- | -- | Dom | Situated near bedrock contact |
| Gt 19 | 412013N720306.1 | John Ackley, Jr. | 1860± | 22 | Dug | 18.2 | 24 | 0-18 | -- | Sand and gravel | 16.6 | 12- 5-63 | -- | -- | -- | -- | Obs | Well penetrated till to underlying sand and gravel. U.S.G.S. observation well. Water level records published in Conn. Water Resources Bull. No. 2. |
| Gt 21 | 412009N720304.1 | N. Maynard | 1957 | 5 | Dug | 10 | 24 | 0-10 | 10+ | Gravel | 1.9 | 5- 8-58 | -- | -- | -- | -- | -- | |
| Gt 24 | 412054N720205.1 | L. Trent | | 23 | Dug | 16.5 | 24 | 0-16.5? | 16+ | Sand and gravel | 10.2 | 5- 8-58 | -- | -- | -- | -- | -- | House unoccupied when visited. Water level 10.7 on 5-27-58. |
| Gt 26 | 412137N720147.1 | Town of Groton | | 35 | Dug | 13.0 | 36 | 0-13 | -- | Gravel | 3.7 | 5-27-58 | -- | -- | -- | -- | -- | Well abandoned |
| Gt 27 | 412222N720137.1 | B. A. Natze | 1956 | 70 | Drl | 132 | 6 | -- | 22 | Bedrock | -- | | 10 | -- | -- | -- | Dom | Situated at bedrock contact. C. |
| Gt 28 | 412101N715954.1 | Eastern Water Co., Inc. | 1960 | 35± | Drl | 39 | 8 | 0-34.6 | 39± | Sand and gravel | 4 | 10- -60 | 100 | 24 | 33 | 4.2 | PS | Gravel packed to outside diameter of 36 inches. Finished with 4½ ft of 8-inch Evordur screen (0.060 slot) at bottom. Standby well. L. |
| Gt 29 | 412101N715952.1 | do | 1959 | 35 | Drl | 45 | 8 | 0-35 | 49± | Sand and gravel | 2 | -59 | 150 | 16.5 | 28 | 9.1 | PS | Gravel packed. Finished with 10 ft of screen at 35 to 45 ft depth. Supplied 680± people and school with about 50,000 gpd in 1962. C. L. |
| Gt 30 | 412053N715947.1 | do | 1959 | 30 | Drl | 47.5 | -- | 0-47.5 | 47.5 | Silt and clay | -- | | -- | -- | -- | -- | -- | Test well. Destroyed. L. |
| Gt 33 | 412208N715817.1 | William G. Fish | 1957± | 15 | Dug | 20 | -- | 0-20? | -- | Sand | 10 | -57 | -- | -- | -- | -- | Dom | Water level rose 6 or 7 ft when sand encountered at 18 ft depth. C. L. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Groton--Continued | | | | | | | | |
| Gt 34 | 412157N715842.1 | James A. Wydler | 1959 | 185 | Drl | 68 | 6 | 0-43 | 38 | Bedrock | 11 | -59 | 10 | -- | -- | -- | Dom(?) | C. |
| Gt 35 | 412210N715850.1 | Eben Duerr | 1962 | 135 | Drl | 165 | 6 | 0-99 | 93 | Bedrock | 20 | -62 | 3 | -- | -- | -- | Dom Agr | Near contact of two formations. |
| Gt 36 | 412210N715842.1 | Herbert S. Williams | 1960? | 108 | Drl | 85 | 6 | 0-46 | 41± | Bedrock | 5 | -60? | 6 | -- | -- | -- | -- | Near contact of two formations. |
| Gt 37 | 412209N715837.1 | Fred K. Wydler | 1960 | 86 | Drl | 87 | 6 | 0-56 | 53± | Bedrock | -- | | 6 | -- | -- | -- | -- | Near contact of two formations. |
| Gt 38 | 412208N715836.1 | David Tassios | 1959 | 68 | Drl | 100 | 6 | 0-67 | 63± | Bedrock | 14 | -59 | 5 | -- | -- | -- | -- | Near contact of two formations. |
| Gt 40 | 412007N720257.1 | State of Conn. (Trumbull Airport) | 1910± | 13 | Drl | 250 | 8? | -- | -- | Bedrock | 8.6 | 7-19-63 | -- | -- | -- | -- | -- | Abandoned when storage tank removed as navigation hazard. |
| Gt 41 | 412005N720233.1 | do | 1900± | 8 | Dug | 10.7 | 48 | 0-16? | 16+ | Sand and gravel | 9.7 | 7-19-63 | 16.7± | 1 | -- | 16± | Dom | Supplies about 200 gpd. |
| Gt 42 | 412001N720213.1 | State of Conn. (leased to Town of Groton) | 1956 | 8 | Dug | 10.3 | 24 | 0-11± | 10+ | Sand and gravel | 7.9 | 7-19-63 | -- | -- | -- | -- | -- | Brackish; abandoned. U.S.G.S. observation well. C. |
| Gt 43 | 412001N720221.1 | do | 1956 | 7 | Dug | 8.6 | 24 | 0-18? | 9+ | Sand and gravel | 6.4 | 7-19-63 | -- | 4 | 6 | -- | Inst Obs | Supplies about 1,300 people with about 5,000 gpd in summer. U.S.G.S. observation well. C. |
| Gt 45 | 412045N720221.1 | Robert York Chapman | 1858 | 12 | Dug | 9.6 | -- | 0-10? | 10+ | Sand and gravel | 8.0 | 7-19-63 | -- | -- | -- | -- | Dom | Supplied 6 people until hurricane of 1938 caused salt water intrusion from Poquonock River. |
| Gt 46 | 412203N720246.1 | Mr. Marquardt | | 38 | Dug | 16.8 | 28 | 0-17? | 17+ | Sand and gravel | 10.7 | 7-19-63 | -- | -- | -- | -- | Dom | Supplies 4 people. |
| Gt 47 | 412201N720248.1 | Alfred Perkins | 1960 | 39 | Drl | 110 | 6 | 0-16 | 12 | Bedrock | 15 | -60 | 10 | 70+ | 4 | .14 | Dom | Supplies 2 people and water for lawn. C. |
| Gt 48 | 412052N720238.1 | Alice Gray | 1955± | 40 | Drl | 66? | 6 | 0-30 | 30 | Bedrock | 9 | -55± | 3 | -- | -- | -- | Dom | Supplies 2 people. C. |
| Gt 49 | 412211N715825.1 | George G. Keith | 1957 | 35 | Dug | 17.9 | 30 | 0-18± | 18+ | Till | 12.4 | 8- 8-63 | 5± | 6 | -- | .8 | Dom | Supplies 6 people. Adequate. C. |
| Gt 50 | 412004N720013.1 | Carl Norton | 1959 | 15 | Dug | 12.7 | 30 | -- | 13+ | Sand | 8.3 | 8- 7-63 | 35± | -- | -- | -- | Dom | Supplies 7 people. |
| Gt 51 | 412026N720120.1 | Town of Groton | 1960 | 10 | Dug | 15.2 | 1½ | 0-15 | 15+ | Sand and gravel | 4.6 | 12- 5-63 | -- | -- | -- | -- | Obs | Water levels measured for sewer authority. |
| Gt 52 | 412234N715823.1 | Mystic Oral School | 1893± | 160 | Drl | 548 | -- | 0-22± | 20 | Bedrock | 10 | | 1± | -- | -- | -- | Inst | Listed in U.S.G.S. Water Supply Paper 149, p. 24 and U.S.G.S. Water Supply Paper 232, p.81 as no. 80. Inadequate, destroyed. Formerly supplied 45 pupils with less than 1,000 gpd. |
| Gt 53 | 412238N715824.1 | do | 1915-1927 | 155± | Dug | 12.5? | -- | -- | 13+ | Till | 5.0 | 3-25-64 | -- | -- | -- | -- | Inst | Two wells at this site supplied all school needs until 1962. Wells inadequate. Water now purchased from Mystic Valley Water Co. One well is standby for fire fighting. |
| Gt 54 | 412112N715904.2 | Mystic Ice and Fuel Co. | 1937± | 153 | Dug | 19.2 | 30 | 0-20± | 20+ | Till | 4.8 | 8-13-64 | 4± | 10± | -- | .4± | Ind | Supplies cooling water only. Yield inadequate in some dry years. C. |
| Gt 55 | 412042N715959.1 | Eastern Water Co., Inc. | 1959 | 30 | Drv | 22± | 2 | 0-22± | 25± | Sand and gravel | -- | | -- | -- | -- | -- | Test | Refusal at 25± ft; well destroyed. |
| Gt 56 | 412058N715949.1 | do | 1959 | 35 | Drl | 84 | 6 | -- | 73 | Bedrock | 18 | -59 | 46- | 42 | 1 | -- | Test | Destroyed. L. |
| Gt 57 | 412108N720202.1 | City of Groton | 1964 | 25 | Drv | 20 | 1½-2 | 0-18 | -- | Sand and gravel | 8 | 11- -64 | 23-465 | 11± | 384 | 2.0± | Test | Total of 20 similar wells finished with 2.5 ft of 1½-inch screens at 17.5 to 20 ft depth; pumped through common header at rate of 670,000 gpd for 16 days. At least 5-10 ft of overlying loam and sand removed before wells were driven. Pumping test data and chloride data available. Standby emergency supply. |
| Gt 58 | 412125N720146.1 | do | 1964 | 34 | Drl | 32.7 | 6 | 0-33 | -- | Sand and gravel | 10.6 | 7-12-65 | -- | -- | -- | -- | Obs | Observation well for pumping test on Gt 57. Drawdown data and 7-month record of water level measurements available. |
| Gt 59 | 412118N720148.1 | do | 1964 | 32 | Drl | 30.0 | 6 | 0-30 | -- | Sand and gravel | 9.9 | 7-12-65 | -- | -- | -- | -- | Obs | Observation well for pumping test on Gt 57. Drawdown data and 7-month record of water level measurements available. |
| Gt 87 | 412322N720515.1 | U.S. Naval Submarine Base | 1964 | 22 | Jet | 75 | 2½ | 0-75 | 75 | Sand, silt, and clay | 10 | 5-13-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Gt 88 | 412326N720509.1 | do | 1964 | 20 | Jet | 93 | 2½ | 0-93 | 93 | Sand, silt, and clay | 6 | 5-15-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Gt 89 | 412324N720504.1 | do | 1964 | 22 | Jet | 38 | 2½ | 0-38 | 38 | Sand, silt, and clay | 8 | 5-19-64 | 0 | -- | -- | -- | Test | Destroyed. |
| Gt 90 | 412318N720455.1 | do | 1964 | 30 | Jet | 29 | 2½ | 0-29 | 29 | Sand and gravel | 4 | 5-19-64 | 60 | 7.11+ | 8 | 5.7 | Test | Drawdown in observation well 26 ft deep and 2 ft away was 2.8 ft when Gt 90 was pumped at 60 gpm. Destroyed. L. |
| Gt 91 | 412319N720507.1 | do | 1964 | 20 | Jet | 15 | 2½ | 0-15 | -- | Artificial fill | -- | | 0 | -- | -- | -- | Test | Destroyed. |
| Gt 93 | 412319N720451.1 | do | 1964 | 30 | Jet | 23 | 2½ | 0-23 | 23 | Till | 6 | 5-20-64 | 0 | -- | -- | -- | Test | Destroyed. |
| Gt 94 | 412316N720448.1 | do | 1964 | 35 | Jet | 7 | 2½ | 0- 7 | -- | Till | -- | | 0 | -- | -- | -- | Test | Destroyed. |
| Gt 95 | 412349N720533.1 | do | 1964 | 10 | Jet | 44 | 2½ | 0-44 | 44 | Sand, silt, and clay | 12 | 5-27-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Gt 98 | 412329N720517.1 | do | 1964 | 25 | Jet | 55 | 2½ | 0-55 | 55 | Sand, silt, and clay | 7 | 6- 3-64 | 0 | -- | -- | -- | Test | Destroyed. L. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Groton--Continued | | | | | | | | |
| Gt 100 | 412331N720525.1 | U.S. Naval Submarine Base | 1964 | 9 | Jet | 59 | 2½ | 0-59 | 59 | Sand, silt, and clay | 7 | 6- 5-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Gt 112 | 412250N720225.1 | John Harmacly | 1942 | 60 | Dug | 10.2 | 38 | 0-10 | -- | Sand and gravel | 5.7 | 7-27-65 | 40+ | 4± | 1 | 10± | Dom | |
| Gt 113 | 412146N720205.1 | Groton, Dept. of Utilities | 1966 | 42 | Drl | 72 | 8 | 0-50 | 72 | Sand and gravel | 12 | 10- -66 | 200 | 13 | 1,200 | 15.5 | Test | Finished with 20 ft of no. 5 slot screen. Scheduled after completion of data collection; not included in averages for stratified drift. Destroyed. L. |
| Gt 114 | 412214N720224.1 | do | 1966 | 28 | Drl | 58 | 8 | 0-48± | 58 | Sand and gravel | 5 | 11- 8-66 | 150 | 10.2 | 22 | 14.8 | Test | Finished with 20 ft of no. 5 slot screen. Scheduled after completion of data collection; not included in averages for stratified drift. Destroyed. L. |
| | | | | | | | | | | Town of Lebanon | | | | | | | | |
| Lb 1 | 413736N721918.1 | Basock Lake Water Co. | 1958 | 555 | Drl | 350 | 6 | 0-10± | -- | Bedrock | flow | | 2.5 | -- | -- | -- | -- | Flows but yield inadequate for public supply; unused. Lb 2 and 3 other wells at this site. Yields of 5 wells average 21 gpm. |
| Lb 2 | 413725N721922.1 | do | 1958 | 550 | Drl | 220± | 6 | -- | -- | Bedrock | 18 | -58 | 50 | 62 | 9 | .81 | -- | Is principal supply for about 1,000 people in summer only. Adequate. L. |
| Lb 3 | 413850N721333.1 | John Kolar | 1957 | 423 | Drl | 116 | 6 | 0-46 | 45 | Bedrock | 5 | 4-19-57 | 5 | 110 | 1 | .05 | Dom | Adequate. Clay overlies bedrock. |
| Lb 4 | 413839N721324.1 | R. Adams | 1956 | 415 | Drl | 150 | 6 | 0-22 | 20 | Bedrock | 7 | 12-12-56 | 40 | 18 | 4 | 2.22 | Dom | Yield in first test at 48 ft depth was 3.5 gpm. Adequate. C. |
| Lb 5 | 413609N721338.1 | Joseph Grossman | 1957 | 510 | Drl | 240 | 6 | 0-18 | 18 | Bedrock | 36 | 8-15-57 | 5 | 204 | -- | .02 | Dom Agr | Bailer test. Adequate for domestic and stock use. C. |
| Lb 6 | 413626N721442.1 | J. Petrofski | 1956 | 560 | Drl | 214 | 6 | 0-23 | 7 | Bedrock | 40 | 3-17-56 | 1.5 | 160 | 1 | .01 | Dom Agr | Supplies 200 poultry. Water contains traces of iron. |
| Lb 7 | 413728N721705.1 | J. Lyons | 1956 | 520 | Drl | 95 | 6 | 0-16 | 4 | Bedrock | 30 | 10-10-56 | 12 | 65 | 1 | .18 | Dom | Adequate. |
| Lb 8 | 413725N721702.1 | E. Whitcomb | 1956 | 515 | Drl | 90 | 6 | 0-14 | 7 | Bedrock | 16 | 10-17-56 | 5 | 74 | 1 | .07 | -- | Near contact of two formations. |
| Lb 9 | 413751N721334.1 | A. Wheaton | 1956 | 372 | Drl | 157 | 6 | 0-27 | -- | Bedrock | 57(?) | 5- 6-56 | 12 | -- | -- | -- | Dom | Adequate. C. |
| Lb 11 | 413917N721450.1 | B. Dziadul | 1957 | 420 | Drl | 54 | 6 | -- | 4 | Bedrock | 12 | 6-10-57 | 9 | -- | -- | -- | Dom | C. |
| Lb 12 | 413320N721333.1 | Alexander Adams (Camp Sherwood Mowoen) | 1915± | 464 | Drl | 170 | 6 | -- | -- | Bedrock | 11.7 | 6-16-64 | 4.5 | 88± | -- | .05 | Inst | Together with Lb 13 supplies maximum of 350 people with 1,000 gpd in summer only. |
| Lb 13 | 413321N721332.1 | do | 1915± | 474 | Drl | 400 | 6 | -- | -- | Bedrock | 45.8 | 6-16-64 | 3 | 314± | -- | .01 | Inst | Together with Lb 12 supplies maximum of 350 people with 1,000 gpd in summer only. C. |
| Lb 14 | 413737N721643.1 | Carefree Homes, Inc. | 1958 | 488 | Dug | 20 | 6 | 0-16 | 20 | Sand and gravel | 4.3 | 6-25-64 | 20+ | 13± | 24 | 1.7+ | PS | Three wells Lb 14-16 each finished with 4 ft of Everdur 60-slot screen at 16 to 20 ft. Wells emplaced in trench 20 ft long, 10 ft wide and 20 ft deep. Supply 20 trailers and 11 houses. L. |
| Lb 15 | 413737N721643.2 | do | 1958 | 488 | Dug | 20 | 6 | 0-16 | 20 | Sand and gravel | 4 | -64 | 20± | 13 | 24 | 1.7 | PS | Three wells Lb 14-16 in row 3 to 4 ft apart, flowed in spring 1964. |
| Lb 16 | 413737N721643.3 | do | 1958 | 488 | Dug | 20 | 6 | 0-16 | 20 | Sand and gravel | 4 | -64 | 20± | 13 | 24 | 1.7 | PS | Annular space between 36-inch perforated concrete casings and 6-inch steel casings in 3 wells Lb 14-16 packed with 1-inch crushed stone. |
| Lb 17 | 413744N721803.1 | Grand Lake Lodge, Inc. | 1920± | 445 | Dug | 15 | 36± | -- | 15 | Sand and gravel | 8 | | 15 | 7 | 6 | 2.1 | Com | Supplies 7,500 gpd, 5 months of year, chiefly for kitchen of summer hotel. |
| Lb 18 | 413743N721807.1 | do | 1962 | 445 | Dug | 15 | 30 | 0-15 | -- | Sand and gravel | 5 | -62 | 45 | 9 | 8 | 5.0 | Com | Supplies 10,000 gpd 5 months of year, chiefly for swimming pool. |
| Lb 19 | 413741N721807.1 | do | 1960 | 446 | Jet | 18+ | 2½ | 0-15± | 20 | Sand and gravel | 3 | 9- 6-60 | 75 | 12± | 24 | 5.0 | Com | Five wells Lb 19-23, 16-20 ft deep and 50 ft apart finished with 5 ft of 2-inch Everdur screens at bottom. L. |
| Lb 20 | 413741N721807.2 | do | 1960 | 445 | Jet | 19 | 2½ | 0-11 | -- | Sand and gravel | 3 | 9- 8-60 | 15 | -- | -- | -- | Com | |
| Lb 21 | 413741N721807.3 | do | 1960 | 445 | Jet | 16 | 2½ | 0-11 | -- | Sand and gravel | 3.3 | 9- 9-60 | 2 | -- | -- | -- | Com | |
| Lb 22 | 413740N721807.2 | do | 1960 | 445 | Jet | 22 | 2½ | 0-11 | -- | Sand and gravel | 3.5 | 9- 9-60 | 20 | -- | -- | -- | Com | |
| Lb 23 | 413740N721807.1 | do | 1960 | 446 | Jet | 19 | 2½ | 0-14± | 21+ | Sand and gravel | 4 | 9-10-64 | -- | -- | -- | -- | Com | Combined yield of 5 wells Lb 19-23, 75 gpm. Hooked up to common header and supply 300 people with 25,000 gpd in 3 months of summer season. C. L. |
| Lb 24 | 413745N721807.1 | do | 1961 | 446 | Drl | 84 | 6 | 0-22 | 18± | Bedrock | 3.2 | 7- 1-64 | 40 | 57 | 8+ | .70 | -- | Odor of $H_2S$ and high iron content; well never used. |
| Lb 25 | 413705N721132.2 | John H. Woods, Inc. | 1964 | 420 | Drl | 343 | 6 | 0-33± | 12 | Bedrock | 7 | -64 | -- | -- | -- | -- | PS | Standby for Lb 26. High iron content in both wells, water filtered. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Lebanon--Continued | | | | | | | | |
| Lb 26 | 413705N721132.1 | John H. Woods, Inc. | 1962 | 420 | Drl | 78 | 6 | 0-33± | 12 | Bedrock | 7 | -62 | -- | -- | -- | -- | PS | Supplies 16-19 families with 57,000 gpd in winter and 114,000 gpd in summer. C. |
| Lb 27 | 413316N721400.1 | Red Cedar Lake Sites Development Corp., Inc. | 1961 | 454 | Drl | 161 | 6 | 0-22 | 19± | Bedrock | 11.1 | 7-19-64 | 15 | 170± | 8 | 0.09 | PS | Adequate for 34 families in summer, chiefly weekends, but abandoned because of zoning regulation. |
| Lb 28 | 413255N721349.1 | do | 1962 | 475 | Drl | 200 | 6 | 0-18 | 10 | Bedrock | 21 | 5- -62 | 11 | 140± | 36 | .08 | PS | Deepened from 100 ft depth. Pumped at 25 gpm for 2 hrs; yield declined to 11 gpm. Supplies 34 families in summer; chiefly weekends. C. L. |
| Lb 29 | 413250N721329.1 | do | 1962 | 465 | Drl | 38 | 8 | 0-38 | 38 | Clay and silt | 4.2 | 7-22-64 | 0 | -- | -- | -- | -- | Two test wells for Public Supply. Yields inadequate; destroyed. |
| Lb 30 | 413332N721353.1 | Meyer Boretz | pre-1962 | 445 | Dug | 12.0 | 36 | -- | 12 | Till | 5.4 | 7-22-64 | 2 | 6 | 4 | .3- | Dom | Correction for pumping from storage reduces yield to 1± gpm. Supplies one family in summer only. C. |
| Lb 31 | 413738N721758.1 | Grand Lake Lodge, Inc. | 1960 | 430± | Jet(?) | 18± | 2½ | 0-18± | 18± | Sand and gravel | 9± | -60 | 2± | -- | -- | -- | -- | Group of 7 unsuccessful test wells. Yield 2 gpm or less; destroyed. |
| Lb 32 | 413431N721212.1 | Dominick Puhlick | 1956 | 242 | Dug | 16.3 | 80± | 0-16 | 16+ | Sand and gravel | 5.6 | 10-23-64 | -- | 2 | -- | -- | Dom | Diameter 64 inches by 96 inches. Supplies 7 people; adequate. Water reported to turn green when soap is added. C. L. |
| Lb 33 | 413823N721222.1 | Town of Lebanon (Lebanon School) | 1936 | 353 | Drl | 280 | 6 | 0-80± | 80 | Bedrock | 30 | 8- -36 | 10 | -- | -- | -- | Inst | |
| Lb 34 | 413834N721213.1 | Anthony Kosacek | 1949 | 258 | Dug | 14 | 30-48 | 0-14 | 14 | Sand | 6 | 6- -49 | 4± | 8- | -- | .5 | Dom Agr | Flows in springtime. Dry in 1957; inadequate during droughts. L. |
| Lb 35 | 413311N721413.1 | Harry Morgenstein | 1960 | 412 | Drl | 80 | 6 | 0-25 | 20 | Bedrock | 5 | -60 | 18± | 55 | 2 | .33 | Dom | Supplies one family. |
| Lb 50 | 413542N721714.1 | Mr. Gould | | 485 | Drl | 150 | -- | -- | -- | Bedrock | -- | | -- | -- | -- | -- | -- | Supplies about 100 people at summer camp. Adequate. C. |
| | | | | | | | | | | Town of Ledyard | | | | | | | | |
| Ly 1 | 412453N720247.1 | Carl Thompson | 1951 | 230 | Drl | 50 | 6 | -- | 13 | Bedrock | -- | | 12 | -- | -- | -- | Dom | |
| Ly 2 | 412721N720249.1 | J. M. Hildebrand | 1951 | 170 | Drl | 82 | 6 | -- | 9 | Bedrock | -- | | 3 | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Ly 3 | 412640N720102.1 | Raymond G. Main | 1951 | 162 | Drl | 96 | 6 | 0-38± | 35± | Bedrock | -- | | 3 | -- | -- | -- | Dom | Near contact of two formations. Supplies 8 people. Adequate. C. |
| Ly 4 | 412640N720102.1 | Frank Cruz | 1951 | 310 | Drl | 84 | 6 | -- | 18 | Bedrock | -- | | 15+(?) | -- | -- | -- | Dom | Drilled in dug well 24 ft deep. C. |
| Ly 6 | 412613N715644.1 | Mabel Swan | | 100 | Drl | 150 | -- | -- | 28 | Bedrock | -- | | 7 | -- | -- | -- | Dom | Drilled in dug well 28 ft deep. Near fault. |
| Ly 15 | 412518N715737.1 | Mrs. Samuel Parke | 1800± | 72 | Dug | 10.3 | -- | 0-10+ | 10+ | Sand and gravel | 6.0 | 7-21-45 | -- | -- | -- | -- | Dom | |
| Ly 23 | 412442N715753.1 | F. Potter | 1962 | 52 | Drl | 130± | 6 | -- | 100 | Bedrock | 10± | -62 | 15 | 90 | 4 | .17 | Dom | |
| Ly 24 | 412616N715809.1 | Lifetime Homes, Inc. | 1961 | 67 | Drl | 40 | 24 | 0-25 | 43 | Sand and gravel | 5 | 11- -61 | 400 | 21.7 | 4.5 | 14 | PS | Gravel packed and finished with 15 ft of 120-slot screen at 25 to 40 ft. Pumped at 265 gpm for 31 hrs. Supplies 380,000 gpd to 600 homes. Pumping test data available. C. L. |
| Ly 25 | 412613N715809.1 | do | 1961 | 67 | Drl | 49 | 8 | 0-34 | 49 | Sand and gravel | 2± | 11- -61 | 45 | 8.3 | 8 | 5.4 | PS | Unused; standby well? L. |
| Ly 26 | 412538N720346.1 | Christy Hill Water Co. | 1960 | 206 | Drl | 36 | 12 | -- | 36 | Sand and gravel | 2 | -60 | 75 | 24 | 24 | 3.1 | PS | Finished with 10-slot screen. Abandoned. See Ly 28. L. |
| Ly 27 | 412539N720345.1 | do | 1961 | 200 | Drl | 37 | 8 | 0-31± | 37± | Sand and gravel | 1 | -61 | 125 | 25 | 6½-24 | 5.0 | PS | Finished with 6.7 ft of 8-inch screen (0.04-0.06 slot) at 31 to 37 ft. Ly 27 and 28 supply 350 to 400 homes. Adequate. C. |
| Ly 28 | 412542N720344.1 | do | 1962 | 197 | Drl | 43 | 8 | 0-33 | 43± | Sand and gravel | 1.5 | -62 | -- | -- | 12 | -- | PS | Finished with 10 ft of 8-inch screen (70 slot) at 33 to 43 ft. Ly 27 and 28 supply 350 to 400 homes. Adequate. Pumped at 300 gpm for 24 hrs. L. |
| Ly 29 | 412625N720502.1 | Dow Chemical Co. | 1951 | 10 | Jet | 35 | 8 | 0-25 | -- | Sand and gravel | 7 | -63 | 158+ | 3.8 | 240± | 42.0+ | Ind | Gravel packed and finished with 10 ft of 8-inch screen (250 slot) at 25 to 35 ft. Pumped alternately with Ly 30. Supplies 75 gpm, 24 hrs. a day. |
| Ly 30 | 412625N720502.2 | do | 1951 | 10 | Jet | 35 | 8 | 0-25 | -- | Sand and gravel | 7 | -63 | -- | -- | -- | -- | Ind | Gravel packed. Located 10 ft from Ly 29; yield and drawdown similar to Ly 29. C. |
| Ly 31 | 412625N720501.1 | do | 1957 | 12 | Jet | 19.5 | 2 | 0-15 | 25± | Gravel | 9.7 | 9-11-63 | 60 | -- | 3 | -- | Obs | Finished with 5 ft of 1 7/8-inch screen (30 slot). U.S.G.S. observation well. |
| Ly 32 | 412624N720501.1 | do | 1957 | 11 | Jet | 14.7 | 2 | 0-17? | 17± | Sand | 9.6 | 9-11-63 | -- | -- | -- | -- | Obs | About 6 wells (Ly 31 to Ly 36) installed to measure water levels during pumping test. |
| Ly 33 | 412625N720505.1 | do | 1957 | 7 | Jet | 15 | 2 | 0-10 | 15± | Sand and gravel | -- | | 10 | -- | 3 | -- | Obs | Finished with 5 ft of 1 7/8-inch screen (no. 20). Dest. |
| Ly 34 | 412626N720505.1 | do | 1957 | 10 | Jet | 30 | 2 | 0-25 | 30± | Sand and gravel | 9 | 10-11-57 | 60 | -- | 3 | -- | Obs | Finished with 5 ft of 1 7/8-inch screen (no. 20). |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Ledyard--Continued | | | | | | | | |
| Ly 35 | 412626N720502.1 | Dow Chemical Co. | 1957 | 7 | Jet | 28.0 | 2 | 0-28 | 36± | Sand and gravel | 4.8 | 9-11-63 | 7.5 | -- | 2 | -- | Obs | Finished with 5 ft of 1 7/8-inch screen (no. 20) at 28 to 33 ft. L. |
| Ly 36 | 412625N720502.3 | do | 1957 | 13 | Jet | 16.7 | 2 | 0-17± | -- | Sand and gravel | 11.3 | 9-11-63 | -- | -- | -- | -- | Obs | |
| Ly 37 | 412635N720438.1 | do | | 46 | Dug | 13.1 | 40± | 0-13+ | -- | Sand and gravel | 5.1 | -64 | 20 | -- | -- | -- | Ind | Diameter approximately 36 inches by 48 inches. Unused. |
| Ly 38 | 412708N720410.1 | Board of Education (Juliet W. Long School) | 1961 | 52 | Drl | 108 | 8 | 0-100 | 128+ | Sand and gravel | 49 | -63 | 72 | 35 | 4+ | 2.1 | Inst | Finished with 10 ft of 8-inch screen at 100 to 110 ft. Supplies 410 students. Adequate. C. L. |
| Ly 39 | 412708N720255.1 | James B. Avery | pre-1900 | 118 | Dug | 7.4 | 30± | 0- 8± | -- | Sand and gravel | 6.5 | 8-19-63 | -- | -- | -- | -- | Dom | Unused. |
| Ly 40 | 412605N720411.1 | Eugene La-Fontaine | pre-1860 | 278 | Dug | 33.9 | 18 | 0-40+ | -- | Till | 33.2 | 9-24-63 | -- | -- | -- | -- | Dom | Used chiefly in winter. |
| Ly 41a | 412611N720440.1 | T. L. Ingraham | 1964 | 148 | Drl | 25 | 6 | 0-22 | -- | Bedrock | -- | | 5+ | -- | -- | -- | Dom | Drilled in dug well 14 ft deep to depth of 30 ft; Pulled back 5 ft. C. |
| Ly 42 | 412659N720058.1 | Ledyard Village Home Owners Association | 1962 | 198 | Drl | 28 | 6 | 0-16 | 24 | Sand and gravel | 2 | -62 | 80 | 10± | 40 | 8.0± | PS | Finished with 10 ft of 6-inch screen (0.060 slot) at 16 to 26 ft. Supplies 46 families. Adequate. C. L. |
| Ly 44 | 412642N720454.1 | Dow Chemical Co. | 1961 | 9 | Jet | 32 | 12 | 0-22 | -- | Sand and gravel | 7 | -61 | 250 | 2.0 | 400+ | 125 | Ind | Finished with 10 ft of 12-inch screen at 22 to 32 ft. Gravel packed. Adequate. |
| Ly 45 | 412645N720448.1 | do | 1960 | 26 | Drl | 500 | 8 | -- | -- | Bedrock | 20? | | 6 | 180± | -- | .03± | -- | Inadequate; destroyed. Drawdown based on water level of 20 ft estimated from altitude. |
| Ly 46 | 412701N720401.1 | Charles Pfizer & Co., Inc. | 1964 | 75 | Drl | 23± | 8 | 0-23± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three test wells 20 to 24 ft deep. Drilled to refusal; probably in boulders. L. |
| Ly 47 | 412704N720400.1 | do | 1964 | 65 | Drl | 25± | 8 | 0-25± | 19 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three test wells 10 to 25 ft deep. Drilled to refusal; probably in boulders. |
| Ly 48 | 412728N720404.1 | do | 1964 | 44 | Drl | 60 | 8 | 0-50 | 76+ | Sand and gravel | 39.5 | 5-19-64 | 75 | 5.3 | 65 | 14± | PS | Drilled to 76 ft; pulled back. New well; not in use when visited. Finished with 10 ft of 8-inch screen (0.040? slot) at 50 to 60 ft. Pumping rate cut back to 50 gpm when the chloride content rose from 30 to 90 ppm. Pumping test data. Specific capacity approximated; affected by tides during pumping test. L. |
| Ly 49 | 412730N720358.1 | do | 1964 | 35 | Drl | 32 | 8 | 0-32 | 29 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Drilled to refusal. |
| Ly 50 | 412728N720404.2 | do | 1964 | 48 | Drl | 59 | 2½ | 0-59 | -- | Sand and gravel | 44 | 4-10-64 | -- | -- | -- | -- | Obs | Observation well for Ly 48. Pumping test data. Destroyed. L. |
| Ly 51 | 412728N720404.3 | do | 1964 | 44 | Drl | 58 | 2½ | 0-58 | -- | Sand and gravel | 40 | 4-10-64 | -- | -- | -- | -- | Obs | Observation well for Ly 48. Pumping test data. Destroyed. L. |
| Ly 52 | 412728N720404.4 | do | 1964 | 42 | Drl | 56 | 2½ | 0-56 | -- | Sand and gravel | 39 | 4-10-64 | -- | -- | -- | -- | Obs | Observation well for Ly 48. Pumping test data. Destroyed. L. |
| Ly 53 | 412728N720404.5 | Mrs. Hazel Kimber | 1959 | 44 | Dug | 47 | 24 | 0-47 | -- | Sand and gravel | 41 | 4-10-64 | -- | -- | -- | -- | Obs, Dom | Water levels measured during pumping of Ly 48. Pumping test data. Supplies 3 people; adequate. |
| Ly 54 | 412656N720317.1 | Charles Pfizer & Co., Inc. | 1964 | 112 | Drl | 240 | 6 | 0-104 | 97 | Bedrock | 38 | 12- -63 | 4 | 62 | 2 | .06 | Test | Yield inadequate; abandoned. Situated near contact with gneiss. L. |
| Ly 55 | 412709N720339.1 | do | 1963 | 60 | Drl | 105 | 6 | 0-63 | 57 | Bedrock | 23 | 12- -63 | 12 | 77 | 2 | .16 | Test | Yield inadequate; abandoned. Situated near contact with gneiss. L. |
| Ly 56 | 412657N720318.1 | do | 1964 | 108 | Drl | 28± | 2½ | 0-28± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three wells 10 to 32 ft deep. L. |
| Ly 57 | 412645N720310.1 | do | 1964 | 146± | Drl | 15± | 2½ | 0-15± | -- | Sand and gravel | 1± | -64 | -- | -- | -- | -- | Test | Four wells 11 to 18 ft deep. |
| Ly 58 | 412657N720334.1 | do | 1964 | 117 | Drl | 26± | 2½ | 0-26± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Two wells 22 and 30 ft deep. |
| Ly 59 | 412705N720332.1 | do | 1964 | 116± | Drl | 12± | 2½ | 0-12± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Four wells 5 to 25 ft deep. |
| Ly 60 | 412659N720336.1 | do | 1964 | 120± | Drl | 11± | 2½ | 0-11± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three wells 8 to 15 ft deep. |
| Ly 61 | 412706N720351.1 | do | 1964 | 57 | Drl | 28 | 2½ | 0-28 | 28 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Drilled to refusal. |
| Ly 62 | 412711N720350.1 | do | 1964 | 46 | Drl | 58 | 2½ | -- | 58 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three wells 11 to 58 ft deep. L. |
| Ly 63 | 412710N720348.1 | do | 1964 | 52 | Drl | 50 | 2½ | 0-50 | -- | Sand and gravel | 40 | 4-14-64 | -- | -- | -- | -- | Test | Drilled to refusal. L. |
| Ly 64 | 412712N720348.1 | do | 1964 | 53 | Drl | 35 | 2½ | 0-35± | -- | Till | -- | | -- | -- | -- | -- | Test | Three wells 9 to 43 ft deep. |
| Ly 65 | 412711N720355.1 | do | 1964 | 36 | Drl | -- | 2½ | 0-26± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three wells 18 to 33 ft deep. |
| Ly 66 | 412711N720400.1 | do | 1964 | 33 | Drl | 64 | 2½ | 0-60 | 64? | Sand and gravel | 32 | 2-10-64 | -- | -- | -- | -- | Test | Drilled to refusal. L. |
| Ly 67 | 412658N720259.1 | do | 1964 | 124 | Drl | 33 | 2½ | 0-33 | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Drilled to refusal. |
| Ly 68 | 412642N720454.2 | Dow Chemical Co. | 1961 | 9 | -- | 12.1 | 1½ | -- | -- | Sand and gravel | 6.2 | 9-30-64 | -- | -- | -- | -- | Obs | Situated 20 ft from Ly 44. |
| Ly 69 | 412847N715804.1 | U.S. Geological Survey | 1964 | 118 | Drv | 10.6 | 1¼ | 0-10.6 | -- | Swamp deposits | .7 | 10- 7-64 | -- | -- | -- | -- | Obs | Situated about 12 ft from Ly 70. |
| Ly 70 | 412847N715804.2 | do | 1964 | 118 | Drv | 23.0 | 1¼ | 0-23.0 | -- | Swamp deposits | .7 | 10- 7-64 | -- | -- | -- | -- | Obs | |
| Ly 71 | 412749N715739.1 | Thomas F. Tefft | 1800± | 200 | Dug | 26.7 | 24 | 0-27± | -- | Till | 19.7 | 4- 9-65 | .1± | 2 | -- | .05 | Dom | Situated on knoll. Pumped dry to clean well in dry season; recovered about 2 ft in 20 hrs. Supplies 300- gpd for 4 people; inadequate. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Ledyard--Continued | | | | | | | | |
| Ly 72 | 412616N715810.1 | Lifetime Homes, Inc. | 1961 | 66 | Drl? | 43 | 2½ | 0-33± | -- | Sand and gravel | 1 | 8- -61 | -- | -- | -- | -- | Obs | Observation well for pumping test of Ly 24. Finished with 10 ft of screen. Destroyed. |
| Ly 73 | 412613N715809.1 | do | 1961 | 66 | Drl? | 49 | 2½ | 0-49 | -- | Sand and gravel | 0 | 8- -61 | -- | -- | -- | -- | Obs | Observation well for pumping test of Ly 24. Destroyed. |
| Ly 74 | 412616N715809.2 | do | 1961 | 68 | Drl? | 32-43 | 2½ | 0-32± | -- | Sand and gravel | 14 | 8- -61 | -- | -- | -- | -- | Obs | Observation well for pumping test of Ly 24. Finished with 10 ft of screen. Destroyed. |
| Ly 75 | 412616N715812.1 | do | 1961 | 66 | Drl? | 47 | 2½ | 0-47 | -- | Sand and gravel | 2 | 8- -61 | -- | -- | -- | -- | Obs | Observation well for pumping test of Ly 24. Destroyed. |
| Ly 76 | 412616N715812.2 | do | 1961 | 68 | Drl? | 49 | 2½ | 0-49 | -- | Sand and gravel | 4 | 8- -61 | -- | -- | -- | -- | Obs | Observation well for pumping test of Ly 24. Destroyed. |
| Ly 78 | 412724N720407.1 | Charles Pfizer & Co., Inc. | 1964 | 13 | Dug | 15± | 48± | 0-15± | -- | Sand and gravel | 12± | -64 | -- | -- | -- | -- | Test? | Inadequate; destroyed. |
| Ly 79 | 412727N720406.1 | do | 1964 | 15 | Drl | 25 | 8 | 0-21 | -- | Sand and gravel | 6 | 12- 1-64 | 45 | 10 | -- | 4.5 | Test | Tested with 3 ft of screen (60 slot) set from 21 to 24 ft. L. |
| Ly 80 | 412727N720407.1 | do | 1964 | 10 | Drl | 21 | 2½ | 0-21 | -- | Sand and gravel | 4 | 12- 1-64 | -- | -- | -- | -- | Obs | Observation well for test of Ly 79. |
| Ly 81 | 412726N720404.1 | do | 1964 | 47 | Drl | 71 | -- | 0-62 | -- | Sand and gravel | 47 | 11- -64 | -- | -- | -- | -- | Test | Drilled to refusal at 71 ft. L. |
| Ly 82 | 412726N720404.2 | do | 1964 | 47 | Drl | 61 | -- | 0-51 | -- | Sand and gravel | 46 | 11- -64 | -- | -- | -- | -- | Test | Drilled to refusal at 61 ft. |
| Ly 83 | 412726N720404.3 | do | 1964 | 46 | Drl | 60 | -- | 0-56 | -- | Sand and gravel | 45 | 12- 1-64 | -- | -- | -- | -- | Test | Drilled to refusal at 60 ft. |
| Ly 84 | 412723N720406.1 | do | 1964 | 46 | Drl | 52 | -- | 0-47 | -- | Sand and gravel | 45 | 11- -64 | -- | -- | -- | -- | Test | Drilled to refusal at 52 ft. |
| Ly 85 | 412724N720407.2 | do | 1964 | 14 | Drl | 21 | -- | 0-21 | -- | Sand and gravel | 5 | 11- -64 | -- | -- | -- | -- | Obs | Observation well for test of Ly 79. |
| Ly 87 | 412720N720408.1 | do | 1964 | 45 | Drl | 36± | 2½ | 0-36± | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Four wells 14 to 39 ft deep. Drilled to refusal. |
| Ly 88 | 412542N720058.1 | Barrett Water Co. | 1956 | 280 | Drl | 258 | 6 | 0-20 | 18 | Bedrock | 22 | -56 | 25 | 83 | -- | .30 | PS | Near contact of 2 formations. Supplies 230 people with 15,000 gpd. C. |
| Ly 89 | 412542N720057.1 | Everett Thompson | 1947± | 282 | Drl | 117 | 6 | 0-25 | 22 | Bedrock | 20 | -47± | 25 | 90 | 150+ | .28 | Dom | Near contact of 2 formations. |
| Ly 90 | 412535N720101.1 | Barrett Water Co. | 1959 | 320 | Drl | 350± | 6 | 0-87 | 81 | Bedrock | 20± | -59 | 7 | 230± | 72 | .03 | PS | Yield inadequate and water milky; abandoned. |
| Ly 91 | 412416N720525.1 | U.S. Naval Submarine Base | 1964 | 32 | Jet | 48 | 2½ | 0-48 | 48 | Sand, silt, and clay | 9 | 5-12-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Ly 92 | 412418N720523.1 | do | 1964 | 34 | Jet | 40 | 2½ | 0-40 | -- | Till | 7 | 5-21-64 | 0 | -- | -- | -- | Test | Destroyed. |
| Ly 93 | 412415N720425.1 | do | 1964 | 72 | Jet | 37 | 2¼ | 0-37 | 37 | Sand, silt, and clay | 3 | 6- 1-64 | 0 | -- | -- | -- | Test | Destroyed. |
| Ly 94 | 412417N720422.1 | do | 1964 | 74 | Jet | 14 | 2½ | 0-14 | -- | Sand and silt | -- | | 0 | -- | -- | -- | Test | Destroyed |
| Ly 95 | 412414N720429.1 | do | 1964 | 88 | Jet | 45 | 2½ | 0-45 | 45 | Sand, silt, and clay | 4 | 6- 4-64 | 0 | -- | -- | -- | Test | Destroyed. L. |
| Ly 101 | 412458N720515.1 | do | 1964 | 16 | Jet | 57 | 2½ | 0-57 | 57 | Sand and gravel | 12 | 11-13-64 | -- | -- | -- | -- | Test | Destroyed. L. |
| Ly 102 | 412509N720523.1 | do | 1964 | 14 | Jet | 31 | 2½ | 0-31 | 31 | Sand and gravel | 12 | 11-17-64 | -- | -- | -- | -- | Test | Destroyed. |
| Ly 103 | 412507N720502.1 | do | 1964 | 30 | Jet | 22 | 2½ | 0-22 | 22 | Sand and gravel, and till | 2 | 11-16-64 | 60 | -- | -- | -- | Test | Destroyed. |
| Ly 104 | 412511N720502.1 | do | 1964 | 30 | Jet | 11 | 2½ | 0-11 | -- | Till | -- | | -- | -- | -- | -- | Test | Destroyed. |
| Ly 105 | 412537N720507.1 | do | 1964 | 43 | Jet | 85 | 2½ | 0-85 | -- | Sand and gravel | 10 | 11-17-64 | 76 | -- | -- | -- | Test | Drawdown in observation well 78 ft deep and 2 ft away was 9.3 ft when Ly 105 was pumped at 76 gpm. Destroyed. L. |
| Ly 106 | 412530N720509.1 | do | 1964 | 38 | Jet | 61 | 2½ | 0-61 | -- | Sand and gravel | 3 | 11-19-64 | 30 | -- | 1 | -- | Test | Destroyed. L. |
| Ly 107 | 412533N720502.1 | do | 1964 | 37 | Jet | 50 | 2½ | 0-50 | 50 | Sand and gravel | 4 | 11-20-64 | -- | -- | -- | -- | Test | Destroyed. |
| Ly 108 | 412530N720504.1 | do | 1964 | 40 | Jet | 70 | 2½ | 0-70 | -- | Sand and gravel | 7 | 11-24-64 | -- | -- | -- | -- | Test | Destroyed. L. |
| Ly 109 | 412533N720509.1 | do | 1964 | 62 | Jet | 62 | 2½ | 0-56 | 56 | Sand and gravel | 8 | 11-25-64 | -- | -- | -- | -- | Test | Destroyed. |
| Ly 110 | 412536N720508.1 | do | 1965 | 40 | Jet | 68 | 2¼ | 0-79 | -- | Sand and gravel | 7 | 2-19-65 | -- | -- | -- | -- | Test | Destroyed. |
| Ly 111 | 412537N720507.2 | do | 1965 | 43 | Drl | 80 | 8 | 0-72 | 82 | Sand and gravel | 9 | 5-15-65 | 239 | 49 | 52 | 4.9 | Test | Finished with 10' of 8-inch screen (80 slot) at 70 to 80 ft. Destroyed. L. |
| Ly 113 | 412706N720250.1 | Charles Pfizer & Co., Inc. | 1965 | 134 | Drl | 17 | 2½ | 0-17 | 17? | Sand and gravel | 7 | 7- -65 | 5 | 10 | -- | .5 | Test | Drilled to refusal. Destroyed. |
| Ly 114 | 412703N720243.1 | do | 1965 | 148 | Drl | 33 | 2½ | 0-23 | 33? | Sand and gravel | 2 | 7- -65 | 80 | 15 | -- | 5.3 | Test | Drilled to refusal. Finished with 10 ft of 60-slot screen at 23 to 33 ft depth. L. |
| Ly 115 | 412702N720237.1 | do | 1965 | 132 | Drl | 52 | 2½ | 0-42 | 55? | Sand and gravel | 5 | 7- -65 | 35 | 21 | -- | 1.7 | Test | Drilled to refusal. Finished with 10 ft of 30-slot screen at 42 to 52 ft depth. |
| Ly 116 | 412702N720237.2 | do | 1965 | 132 | Drl | 48 | 2½ | 0-38 | 50 | Sand and gravel | 5 | 7- -65 | 60 | 22 | 140± | 2.7 | Test | Finished with 10 ft of 30-slot screen at 38 to 48 ft depth. Cluster of 6 similar test wells at this site. L. |
| Ly 117 | 412704N720237.1 | do | 1965 | 128 | Drl | 53 | 2¼ | 0-43 | 53? | Sand and gravel | 1 | 8- -65 | 5 | 27 | -- | .2 | Test | Drilled to refusal. Finished with 10 ft of 30-slot screen at 43 to 53 ft depth. Reset screen at 33 to 43 ft depth. Yield tested after resetting screen. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Ledyard--Continued | | | | | | | | |
| Ly 118 | 412702N720237.3 | Charles Pfizer & Co., Inc. | 1965 | 132 | Drl | 51 | 2½ | 0-36 | 51? | Sand and gravel | 1 | 8- -65 | 20 | 27 | -- | 0.7 | Test | Drilled to refusal. Finished with 15 ft of 30-slot screen at 36 to 51 ft depth. |
| Ly 119 | 412702N720237.4 | do | 1965 | 132 | Drl | 48 | 2½ | 0-38 | 48? | Sand and gravel | 5 | 8- -65 | 60 | 17.5 | -- | 3.4 | Test | Drilled to refusal. Finished with 10 ft of 60-slot screen at 38 to 48 ft depth. |
| Ly 120 | 412635N720439.1 | Dow Chemical Co. | 1965 | 34 | Drl | 250 | 6 | 0-19 | 14 | Bedrock | 5 | 10-21-65 | 15 | 240± | 4 | .06 | Ind | At contact of two formations. Yield 12 gpm at 70 ft and 15 gpm at 195 ft. Supplied 19,000 gpd in Jan. 1966. |
| Ly 121 | 412634N720432.1 | do | 1965 | 43 | Drl | 295 | 6 | 0-30 | 27 | Bedrock | 6 | 11-21-65 | 21 | 285± | 4 | .07 | Ind | At contact of two formations. Yield 2 gpm at 55 ft and 21 gpm at 108 ft. New well; not in use 12-2-65. |
| Ly 122 | 412634N720427.1 | do | 1965 | 47 | Drl | 300 | 6 | 0-12 | 5 | Bedrock | 5 | 10-21-65 | 30 | 290± | 4 | .10 | Ind | Near contact of two formations. Yield 9 gpm at 134 ft, 14 gpm at 168 ft, 20 gpm at 204 ft, 24 gpm at 221 ft, 25 gpm at 235 ft, and 30 gpm at 275 ft. New well; not in use 12-2-65. |
| Ly 123 | 412627N720456.1 | do | 1965 | 35 | Drl | 59 | 6 | 0-51 | 51 | Bedrock (and sand?) | 27 | 10-26-65 | .5 | 40± | 4 | .01 | Ind | New well; not in use 12-2-65. |
| Ly 124 | 412623N720500.1 | do | 1965 | 36 | Drl | 168 | 6 | 0-25 | 15 | Bedrock | 7 | 10-26-65 | 4 | 160± | 4 | .02 | Ind | New well; not in use 12-2-65. |
| Ly 125 | 412636N720422.1 | do | 1965 | 62 | Drl | 301 | 6 | 0- 7 | 4 | Bedrock | 17 | 11-15-65 | 7 | 290± | 4 | .02 | Ind | New well; not in use 12-2-65. Yield 2 gpm at 18 ft, 4 gpm at 90 ft, 5 gpm at 121 ft and 7 gpm at 162 ft. |
| Ly 126 | 412631N720438.1 | do | 1965 | 48 | Drl | 306 | 6 | 0-17 | 11 | Bedrock | 6 | 12- 7-65 | 80± | 295± | 4+ | .27 | Ind | New well; not in use 12-2-65. Yield 7 gpm at 58 ft, 12 gpm at 70 ft, 15 gpm at 102 ft, 20 gpm at 140 ft, and 24 gpm at 160 ft. |
| Ly 127 | 412803N720130.1 | Isaac Geer | 1965 | 260 | Drl | 170 | 6 | 0-110 | 100 | Bedrock | 12 | 7- -65 | 3 | 158 | 4 | .02 | Dom | Near contact of two formations. New well; not in use 12-2-65. |
| | | | | | | | | | | Town of Montville | | | | | | | | |
| Mv 1 | 412541N720613.1 | The Conn. Light & Power Co. | 1925± | 24 | Drl | 165 | 6 | 0-165? | 124? | Sand and gravel (?) | -- | | -- | -- | -- | -- | Ind | Depth 308 ft before plugging back to 165± or 124 ft depth. Saline since 1940±. Pumped to waste 24 hrs. a day. C. |
| Mv 2 | 412542N720613.1 | do | 1936 | 24 | Drl | 143 | 6 | -- | 122? | Bedrock | 27 | 8-27-63 | -- | -- | -- | -- | -- | Unused; pumpage results in salt water intrusion. Water level measured while nearby Mv 1 ( 100-ft away) was pumping. |
| Mv 3 | 412543N720613.1 | do | 1922± | 24 | Drl | 151 | 6 | -- | 127? | Bedrock | -- | | -- | -- | -- | -- | Ind | Mv 3 and Mv 10 supply 100 gpm for makeup and sanitary water. Inadequate in dry summers. C. |
| Mv 4 | 412602N720556.1 | Continental Can Co. (Paperboard & Kraft Paper Div.) | pre-1895 | 18± | Dug | 20 | 30 | 0-20± | -- | Sand and gravel | 13 | | -- | -- | -- | -- | Ind | Supplies process water. |
| Mv 5 | 412608N720611.1 | Uncas Water Corp. | 1939 | 30 | Drl | 65 | 6 | 0-48 | -- | Sand and gravel | 24 | 11-17-39 | 30 | 17- | 18 | 1.8- | PS | Packed with 3/4" gravel and finished with 15 ft of 6-inch screen at 48 ft to 63 ft. Supplies about 40 people. |
| Mv 7 | 412605N720555.1 | Continental Can Co. (Paperboard & Kraft Paper Div.) | 1947 | 25 | Drl | 182 | 6 | -- | -- | Unknown | -- | | 15 | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Mv 9 | 412540N720612.1 | Conn. Light & Power Co. | 1936 | 22 | Drl | 500 | 6 | -- | -- | Bedrock | -- | | -- | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Mv 10 | 412543N720621.1 | do | 1949 | 38 | Drl | 29 | 4? | 0-24? | 26 | Sand and gravel | 4.9 | 8-27-63 | 55 | 9 | 2 | 6.1 | Ind | Finished with screen. Flows in springtime. Mv 3 and Mv 10 supply makeup water and sanitary water. Inadequate in dry summers only. C. |
| Mv 11 | 412544N720621.1 | do | 1949 | 40 | Drl | 30 | 6 | -- | 30- | Sand and gravel | -- | | -- | -- | -- | -- | -- | Yield inadequate; well destroyed. |
| Mv 12 | 412542N720625.1 | do | 1949? | 46± | Drl | 35± | 4 | -- | 35- | Bedrock | -- | | -- | -- | -- | -- | -- | Yield inadequate for industrial supply of 50 gpm; destroyed. |
| Mv 13 | 412608N720616.1 | do | 1952 | 10 | Dug | 20+ | 72± | 0-20+ | -- | Sand and gravel | 6 | | 58± | 12 | 4 | 4.8± | Ind | Combined yield of 115 gpm from Mv 13 and Mv 14 declines to 70 gpm when stainless steel screen is clogged by iron bacteria. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Montville--Continued | | | | | | | | |
| Mv 14 | 412608N720615.1 | Conn. Light & Power Co. | 1952 | 10 | Dug | 31.7 | 72± | 0-32± | -- | Sand and gravel | 2 | | 57± | 12 | 4 | 4.8± | Ind | Wells Mv 13 and Mv 14 supply cooling, makeup, and process water. C. |
| Mv 15 | 412555N720601.1 | Continental Can Co. (Paperboard & Kraft Paper Div.) | pre-1890 | 18 | Dug | 17.6 | 33 | 0-20± | -- | Sand and gravel | 15.5 | 8-29-63 | 40 | 2 | 6 | 20.0 | Ind | Supplies 30,000 gallons per week for sanitary needs. |
| Mv 16 | 412558N720559.1 | do | 1945 | 8 | Drl | 90± | 6 | -- | -- | Sand | 4.7 | 8-29-63 | 20 | -- | -- | -- | -- | Finished with 15 ft of 6-inch screen. Unused since 1960. |
| Mv 17 | 412555N720601.2 | do | 1957 | 18 | Drl | 112 | 6 | -- | 110 | Silt and fine sand | -- | | 10? | -- | -- | -- | -- | Yield inadequate; well destroyed. L. |
| Mv 18 | 412556N720557.1 | do | -- | 10 | Dug | 15.4 | 24 | 0-16± | -- | Sand and gravel | 13.3 | 8-29-63 | 3½-4 | 1 | 1 | 3.5 | Ind | Supplies 5,000 gpd for drinking water only. |
| Mv 19 | 412618N720617.1 | John J. Doyle | -- | 26 | Dug | 16.0 | 80± | 0-16± | -- | Sand | 11.4 | 9- 4-63 | 6-7 | 4± | 36 | 1.6± | Ind | Supplies water for making concrete. Adequate. |
| Mv 20 | 412707N720634.1 | State of Conn. (New London State Jail) | 1956 | 72 | Drl | 257 | 6 | 0-30 | 17 | Bedrock | 37± | -56 | 50 | 116 | 12 | .43± | Inst | Water contaminated; well abandoned. |
| Mv 21 | 412555N720618.1 | Jennie Butler & Mary Zachrick | 1926± | 64 | Dug | 59.7 | 24 | 0-60 | -- | Sand and gravel | 52.7 | 9-13-63 | -- | -- | -- | -- | Dom | Bottom of well finished with 1 ft-2 ft of stone. Supplies 5 people. L. |
| Mv 22 | 412615N720631.1 | Sidney Blumenthal & Co., Inc. | 1937 | 82 | Drl | 188 | 6 | 0-42 | -- | Bedrock | 22 | | 10 | 84 | 8+ | .12 | Ind | Inadequate for industrial use. Unused; plant idle. |
| Mv 23 | 412652N720746.1 | Harry Abramson | 1943± | 152 | Drl | 400 | 8 | -- | -- | Bedrock | 5± | | -- | 120± | -- | -- | Ind | Inadequate for bleachery. High iron content reported. |
| Mv 24 | 412713N720645.1 | State of Conn. (New London State Jail) | 1964 | 70 | Drl | 300 | 6 | 0-26 | 12 | Bedrock | 16 | -64 | 33 | 164 | 12 | .20 | Inst | Supplies 100 inmates and 25 employees with 10,000-gpd. Replaced Mv 20. C. |
| Mv 25 | 412633N720713.1 | Richard Pope | 1930 | 72 | Drl | 54.2 | 10 | 0-57 | -- | Sand and gravel | 8.6 | 9-18-63 | 90 | 17 | 12 | 5.3 | Ind | Finished with slotted casing at 47 to 57 ft depth. Supplied 1,500 gpd for process and sanitary water needs. Abandoned; plant idle. C. |
| Mv 26 | 412634N720716.1 | Jamul Products Co. | 1948 | 82 | Dug | 18.6 | 24 | 0-18± | -- | Sand and gravel | 10.6 | 9-18-63 | -- | -- | -- | -- | Ind | Supplied boiler water and 10 people with 50 gpd. Abandoned; plant idle. |
| Mv 27 | 412641N720714.1 | J. B. Martin Co. | 1926± | 160 | Drl | 180± | 8 or 6 | -- | 20± | Bedrock | 15± | | 10- | -- | -- | -- | Ind | Abandoned; plant idle. |
| Mv 28 | 412707N720816.1 | Robertson Paper Box Co., Inc. | | 230 | Dug | 13.1 | 150± | 0-14± | -- | Sand and gravel | 3.6 | 8-19-63 | 15 | 6 | 6 | 2.5 | Ind | Drawdown and specific capacity based on recovery test dated 2-3-51. Supplies 21,000 gpd, 6 to 7 days per week. Referred to as a "spring." C. |
| Mv 29 | 412707N720817.1 | do | 1957 | 230 | Drl | 23 | 8 | 0-16 | 23 | Sand and gravel | 4.4 | 8-19-63 | 20 | 2 | 8 | 10.0 | Ind | Gravel packed and finished with 5 ft 8-inch (0.40-slot) screen at 16-21 ft. Supplements supply obtained from Mv 28. C. L. |
| Mv 30 | 412708N720818.1 | do | 1957 | 230 | Drl | 200 | 10 to 6 | 0-46 | 24 | Bedrock | 4.2 | 9-18-63 | 15 | 74 | 6 | .20 | Ind | Double cased. Water levels in Mv 29 and Mv 30 measured at different hours. Standby well. C. L. |
| Mv 31 | 412727N720837.1 | Federal Paper Board Co., Inc. | pre-1926 | 260 | Drl? | 36.8 | 6 | -- | -- | Bedrock | 7.5 | 9-19-63 | -- | -- | -- | -- | Dom | Supplies 2 people and formerly supplied 8 people. Bedrock crops out 8 ft from well. |
| Mv 32 | 412724N720835.1 | do | 1947 | 255 | Drl | 150± | 6 | -- | 20 | Bedrock | 19.4 | 10- 3-63 | 12 | 82 | 8 | .15 | Ind | Supplies sanitary water for 45 people. U.S.G.S. observation well. C. |
| Mv 33 | 412759N720931.1 | L.W. Greiner Co., Inc. | 1946 | 280 | Drl | 121.6 | 6 | 0-41 | 35 | Bedrock | 12.5 | 9-19-63 | 15± | -- | -- | -- | Ind | Supplied sanitary water (3,000 gpd) for 65 people; adequate. |
| Mv 34 | 412840N721133.1 | Montville Water Works Co., Inc. | 1960 | 490 | Drl | 180± | 6 | -- | -- | Bedrock | 20 | -60 | 6 | 120 | 12 | .05 | -- | Bedrock crops out 200± ft south of well. Never used. |
| Mv 35 | 412830N721128.1 | do | 1961 | 470 | Drl | 320 | 6 | -- | 19 | Bedrock | 7 | -61 | -- | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Mv 36 | 412828N721125.1 | do | 1962 | 470 | Drl | 350± | 6 | -- | -- | Bedrock | -- | | -- | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Mv 37 | 412828N721126.1 | do | 1960 | 485 | Drl | 207 | 6 | -- | -- | Bedrock | 0- | -60 | 24 | 180± | 24 | .13 | PS | Flowed. Mv 37, 38, 39, 41 and 42 supply 1,400± people with 105,000± gpd. C. |
| Mv 38 | 412828N721126.2 | do | 1960 | 482 | Drl | 211 | 6 | -- | -- | Bedrock | 0- | -60 | 18 | 160± | -- | .11 | PS | Flowed. Mv 37, 38, 39, 41 and 42 supply 1,400± people with 105,000± gpd. C. |
| Mv 39 | 412834N721156.1 | do | 1961 | 525 | Drl | 395 | 6 | 0-30 | 24 | Bedrock | 4 | 6- -61 | 65± | 240 | 24 | .3± | PS | |
| Mv 40 | 412836N721156.1 | do | 1962 | 530 | Drl | 20 | 8 | 0-15 | 32± | Till | 2 | 7- -60 | 5± | 10.5 | 36 | .5- | PS | Yield inadequate; destroyed. |
| Mv 41 | 412837N721159.1 | do | 1961 | 530 | Drl | 300 | 6 | 0-67 | 47 | Bedrock | 1 | 8-20-60 | 50 | 124 | 17 | .40 | PS | Most productive well. |
| Mv 42 | 412838N721155.1 | do | 1962 | 525 | Drl | 600 | 6 | 0-52 | 40 | Bedrock | 8 | -62 | 25 | 287 | 12 | .09 | PS | |
| Mv 43 | 412834N721153.1 | do | 1963 | 525 | Drl | 32± | 6 | 0-30? | -- | Till | 10.3 | 10- 7-63 | 2 | 20± | -- | .1± | PS | Drilled to 40 ft depth; pulled back. Yield inadequate; abandoned. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Montville--Continued | | | | | | | | |
| Mv 44 | 412648N721158.1 | Oakdale, Inc. | 1961 | 470 | Drl | 410 | 6 | 0-25 | 20 | Bedrock | 6 | -61 | 45 | 279 | 24 | 0.16 | PS | Mv 44 and Mv 45 supply 100± homes; ultimately, 220 homes. Water reportedly obtained at 3 different levels. |
| Mv 45 | 412648N721202.1 | do | 1962? | 475 | Drl | 400+ | 6 | -- | -- | Bedrock | 10± | | 25 | 90 | 12 | .3± | PS | Water level estimated from nearby Mv 44. |
| Mv 46 | 412649N721200.1 | do | 1963 | 473 | Drl | 300+ | 6 | -- | -- | Bedrock | 10± | | 40 | -- | -- | -- | -- | New well; not in use 10-7-63. |
| Mv 47 | 412931N720541.1 | United Nuclear Corp. (Olin Mathieson) | 1957 | 36 | Drl | 79 | 8 | -- | 68 | Sand | 36± | 7-19-57 | -- | -- | -- | -- | Test | Inadequate for industrial supply requiring 100+ gpm; destroyed. L. |
| Mv 48 | 412935N720541.1 | do | 1957 | 70 | Drl | 129 | 8 | -- | 131 | Sand and gravel | 70 | 8- 9-57 | 70 | 25 | 102 | 2.8 | Test | Inadequate for industrial supply requiring 100+ gpm; destroyed. L. |
| Mv 49 | 412614N720612.1 | Continental Can Co. (formerly Robert Grair Co.) | 1954 | 56 | Drl | 95 | 12 | -- | 94+ | Sand and gravel | 46 | 5- -54 | 50 | -- | -- | -- | Test | Screened 73 to 87 ft. Yield inadequate for industrial use; destroyed. |
| Mv 50 | 412614N720612.2 | do | 1954 | 56 | Drl | 84 | 12 | -- | 84+ | Sand and gravel | 46 | 5- -54 | 110 | 3± | 49 | 40.0± | Test | Screened 62 to 84 ft. Tested by Ranney Method Water Supplies, Inc.; transmissibility reportedly 98,300 gpd, permeability 1,970 gpd. L. |
| Mv 51 | 412614N720612.6 | do | 1954 | 19 | Drl | 85 | 6 | -- | 85+ | Sand and gravel | 8 | 5- -54 | -- | -- | -- | -- | Test | Observation well for pumping test at Mv 50. Destroyed. |
| Mv 52 | 412615N720610.1 | do | 1954 | 47 | Drl | 104 | 6 | -- | 104+ | Sand and gravel | 38 | 5- -54 | -- | -- | -- | -- | Test | Observation well for pumping test at Mv 50. Destroyed. L. |
| Mv 53 | 412613N720619.1 | do | 1954 | 20 | Drl | 35 | 6 | -- | 32 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Observation well for pumping test at Mv 50. Destroyed. L. |
| Mv 54 | 412614N720612.3 | do | 1954 | 55 | Drl | 112 | 6 | -- | 112+ | Sand and gravel | 45 | 5- -54 | -- | -- | -- | -- | Test | Observation well for pumping test at Mv 50. Destroyed. |
| Mv 55 | 412615N720608.1 | do | 1954 | 43 | Drl | 90 | 6 | -- | 90+ | Sand and gravel | 34 | 5- -54 | -- | -- | -- | -- | Test | Screened 65 to 71 ft. Observation well for pumping test at Mv 50. Destroyed. |
| Mv 56 | 412615N720608.2 | do | 1954 | 55 | Drl | 95 | 6 | -- | 95+ | Sand and gravel | 46 | 5- -54 | -- | -- | -- | -- | Test | Screened 75 to 80 ft. Observation well for pumping test at Mv. 50. Destroyed. |
| Mv 57 | 412615N720608.3 | do | 1954 | 55 | Drl | 95 | 6 | -- | 95+ | Sand and gravel | 46 | 5- -54 | -- | -- | -- | -- | Test | Screened 75 to 80 ft. Observation well for pumping test at Mv 50. Destroyed. |
| Mv 58 | 412615N720610.2 | do | 1954 | 47 | Drl | 93 | 6 | -- | 93+ | Sand and gravel | 38 | 5- -54 | -- | -- | -- | -- | Test | Screened 70 to 76 ft. Observation well for pumping test at Mv 50. Destroyed. |
| Mv 59 | 412614N720612.4 | do | 1954 | 56 | Drl | 100 | 6 | -- | 101+ | Sand and gravel | 46 | 5- -54 | -- | -- | -- | -- | Test | Screened 76 to 81 ft. Observation well for pumping test at Mv 50. Destroyed. |
| Mv 60 | 412614N720612.5 | do | 1954 | 56 | Drl | 96 | 6 | -- | 96+ | Sand and gravel | 46 | 5- -54 | -- | -- | -- | -- | Test | Screened 75 to 81 ft. Observation well for pumping test at Mv 50. Destroyed. |
| Mv 61 | 412817N721136.1 | Board of Education-Town of Montville | 1964 | 520 | Drl | 305 | 6 | 0-56 | 45 | Bedrock | 15 | 1- -64 | 7 | 105 | 5 | .07 | Inst | Drilled to supply new elementary school. |
| Mv 62 | 412814N721134.1 | do | 1964 | 515 | Drl | 125 | 6 | 0-47 | 35 | Bedrock | 11.0 | 4- 8-64 | 22 | 106 | 8 | .21 | Inst | Situated 320± ft south of Mv 61. To supply 650+ pupils and employees at elementary school. |
| Mv 63 | 412826N720511.1 | G. & J. Water Co., Inc. | 1960 | 180 | Drl | 100 | 8 | 0-100 | 100+ | Sand and gravel | 3 | 4- 1-64 | 70 | 76 | 50 | 1.1 | PS | Supplied up to 120 homes with 60,000± gpd until supplemented by Mv 64. Sand and gravel underlies till. Gravel packed, finished with slotted casing at 91 to 96 ft. C. L. |
| Mv 64 | 412826N720511.2 | do | 1961 | 178 | Drl | 112 | 8 | 0-112 | 112+ | Sand and gravel | 6 | 12-27-61 | 90 | 29 | 38 | 3.1 | PS | Situated 70 ft east of Mv 63. Sand and gravel underlies till. Gravel packed and finished with slotted casing. L. |
| Mv 65 | 412841N720521.1 | Lathrop Brothers | 1955 | 150 | Drl | 40 | 8 | -- | 35 | Till | -- | | 2± | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Mv 66 | 412849N720527.1 | do | 1955 | 112 | Drl | 37± | 8 | 0-37± | 37+ | Sand and gravel | 8 | | 110 | 17 | 24 | 6.5 | -- | Yield adequate for public supply; destroyed because of possible contamination from nearby sewers. |
| Mv 67 | 412843N720525.1 | do | 1959 | 142 | Drl | 80 | 6 | 0-40 | 35± | Bedrock | 5± | | -- | -- | -- | -- | Dom | Supplies 5 people. Supplanted dug well with high iron content. C. L. |
| Mv 68 | 412828N720516.1 | do | 1959 | 190 | Drl | 133 | 8 | 0-128 | -- | Sand and gravel | 22 | -59 | 10+ | 48 | -- | .2 | Dom | Supplies 5+ people. Reportedly not developed to maximum capacity. Yield and drawdown based on recovery test. |
| Mv 69 | 412830N720526.1 | do | 1961 | 215 | Drl | 120 | 6 | 0-112 | 107 | Bedrock | 12 | -61 | 3 | 88 | -- | .03 | Dom | Supplied 6 people. Destroyed. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Montville--Continued | | | | | | | | |
| Mv 70 | 412606N720641.1 | Town of Montville | 1945± | 98 | Drl | 187 | 6 | -- | -- | Bedrock | 37.8 | 9-11-64 | 8 | -- | -- | -- | Inst | Supplies 100± gpd for Town Hall and is standby supply for nearby school. High iron content. |
| Mv 71 | 412603N720621.1 | Southern New England Telephone Co. | 1949 | 63 | Drl | 223 | 6 | 0-141 | 137 | Bedrock | 55.6 | 9-17-64 | 5+ | 45 | 1 | 0.11 | Ind | Supplies 200 gpd for sanitary needs. Situated 28 ft from Mv 72. |
| Mv 72 | 412603N720621.2 | John & Irene Linski | 1948 | 62 | Drl | 67.8 | 6 | 0-72± | 72+ | Sand and gravel | 55.6 | 9-17-64 | 18± | 18 | 2+ | 1± | Dom | Supplies 10± people with 500± gpd. Cistern supplies 500± gpd for washing and cooking. |
| Mv 73 | 412609N720635.1 | Dahl Oil Co., Inc. | 1937 | 90 | Drl | 503 | 6 | 0-15± | 12± | Bedrock | 25 | -37 | 0.5- | 65 | 3+ | .08- | Com | Main water bed reported at 120 to 130 ft. Supplies filling station with 500± gpd. High iron content. |
| Mv 74 | 412609N720635.2 | do | 1944± | 88 | Drl | 149 | 6 | 0-33 | 28 | Bedrock | 25± | -44± | 5± | 90 | 1 | .06- | Dom | Treated for very high iron content. |
| Mv 75 | 412835N720451.1 | State of Conn. (Fort Shantok State Park) | 1935± | 78 | Drl | 75 | 6 | -- | -- | Unknown | 12.4 | 9-18-64 | -- | -- | -- | -- | Inst | Supplies 2,000-gpd for park 4 months of year. |
| Mv 76 | 412721N720455.1 | Richard Marble | 1800± | 10 | Dug | 10.2 | 30 | 0-10+ | -- | Sand and gravel | 8.7 | 10- 8-64 | -- | -- | -- | -- | Dom | Supplies 6 people. Detergent contamination solved by replacing cesspool with septic tank. Situated 200± ft from Thames River. |
| Mv 77 | 412618N720626.1 | Uncasville Park Assoc. | 1954 | 80 | Drl | 265 | 6 | 0-24 | 17 | Bedrock | 20± | | 5± | 130± | -- | .04± | Dom | Water level estimated from nearby Mv 22. Formerly supplied 21 families with 2,400 gpd. Inadequate and very high iron content. Supplied one family in September 1964. |
| Mv 78 | 412627N720622.1 | Thames Permacrete Corp. | 1952 | 45 | Dug | 23.4 | 30 | 0-26± | -- | Sand | 22.7 | 4- 8-65 | 15- | 1+ | 1 | -- | Ind | Drawdown 1 ft when pumped at 15 gpm during construction when diameter was 7 ft. Inadequate; abandoned. |
| Mv 79 | 412627N720622.2 | do | 1954 | 48 | Dug | 27.3 | 24 | 0-27± | -- | Sand | -- | | -- | -- | -- | -- | Ind | Inadequate; abandoned. |
| Mv 80 | 412625N720622.1 | do | 1956 | 55 | Drl | 140 | 6¼ | 0-30 | 31 | Bedrock | 25 | -56 | 9 | -- | -- | -- | Ind | Supplies about 2,500 gpd for making concrete products. |
| Mv 81 | 412720N720633.1 | New London-Norwich Drive-In, Inc. | 1949 | 80 | Drl | 168 | 8 | 0-50 | 38 | Bedrock | 15 | 10- -64 | 7 | -- | -- | -- | Com | Inadequate; replaced by Mv 82. |
| Mv 82 | 412721N720631.1 | do | 1964 | 80 | Drl | 140 | 6 | 0-24 | 23 | Bedrock | 6 | 8- -64 | 15 | -- | ½ | -- | Com | Yield 2± gpm at depth of 28 ft during drilling. Supplies 1,100± gpd. |
| Mv 83 | 412719N720638.1 | do | 1953 | 72 | Dug | 35 | 30 | 0-35 | 35+ | Sand and gravel | 6 | -53 | 42± | 28 | 3 | 1.5 | Com | Inadequate; destroyed. Replaced by Mv 81. |
| Mv 84 | 412837N721159.2 | Montville Water Works Co., Inc. | 1960 | 530 | Drl | 19 | 8 | 0-15 | -- | Till | 1 | 8- -60 | 10 | 11 | 9 | .9 | PS | Drawdown in observation well 450 ft away was one inch after pumping Mv 84 at 10 gpm for 9 hrs. Inadequate; destroyed. |
| Mv 85 | 413041N721322.1 | St. Thomas More School | 1960 | 402 | Drl | 105 | 6 | -- | 35± | Bedrock | 10 | -60 | 12 | -- | -- | -- | Inst | Supplies dining room and 7 cabins in summer. |
| Mv 86 | 413048N721322.1 | do | 1964 | 400 | Drl | 100 | 6 | 0-94 | 100± | Sand and gravel | 15 | 11- -64 | 30 | -- | 10 | -- | Inst | Mv 86 and 87 are main supply for prep school in winter and camps in summer. |
| Mv 87 | 413049N721322.1 | do | 1930 | 394 | Dug | 16 | 36 | 0-16 | -- | Sand and gravel | 6± | | -- | -- | -- | -- | Inst | Formerly sole supply for 135 prep school students. Inadequate in summer. |
| Mv 88 | 413034N721320.1 | do | 1960 | 390 | Dug | 16.3 | 36 | 0-16 | -- | Sand and gravel | 8.7 | 7- 1-65 | -- | -- | -- | -- | Inst | Supplies various school and camp buildings. Adequate. |
| Mv 89 | 413039N721248.1 | do | 1965 | 475 | Drl | 155 | 6 | -- | -- | Bedrock | 6.4 | 7- 1-65 | 15 | -- | -- | -- | Dom | |
| Mv 90 | 412653N720749.1 | All-Time Manufacturing Co. | 1898± | 154 | Dug | 9.5 | 24 | 0-10± | 10± | Alluvial silt and clay | 3.1 | 8-12-65 | 1- | 5 | -- | .2- | Ind | Yield inadequate; abandoned. |
| Mv 91 | 412845N720543.1 | Robert Besade | | 200 | Drl | 123 | 6 | 0-69 | 63 | Bedrock | 17 | | 6 | -- | -- | -- | Dom | Supplies one family; adequate. |
| Mv 92 | 412918N721235.1 | Edward Szachna | 1963 | 420 | Dug | 18 | 30 | 0-18± | -- | Sand | 10 | -63 | 1- | 8 | 8 | .1 | Dom | Supplies one family with 300 gpd. |
| Mv 93 | 412725N721041.1 | William Mulvaney | 1963 | 387 | Drl | 310 | 8 | 0-32 | 22 | Bedrock | 0±1 | 3- 4-63 | 70- | 205 | 24 | .34- | PS | Supplies 3 houses. Planned to supply 35± houses with 100,000 gpd. |
| Mv 94 | 412713N720626.1 | A. Longo, Jr. | 1956 | 75 | Drl | 105 | 6 | -- | -- | Bedrock | -- | | -- | -- | 24 | -- | Com | Supplies 4 stores; adequate. |
| Mv 95 | 412620N720619.1 | John J. Doyle | 1945 | 30± | Drl | 135 | 6 | 0-35± | 30 | Bedrock | 15±10 | | 6 | 55± | -- | .11 | Dom | Supplies 3 families totaling 13 people. |
| Mv 96 | 412708N720810.1 | Robertson Paper Box Co., Inc. | 1965 | 215 | Drl | 500 | 8 | 0-11 | 2 | Bedrock | 15 | 8- -65 | 1 | -- | -- | -- | Ind | Inadequate; capped. |
| Mv 97 | 412705N720809.1 | do | 1965 | 225 | Drl | 300 | 6½ | 0-20 | 9 | Bedrock | 20 | 7- -65 | 2.5 | -- | -- | -- | Ind | Inadequate; capped. |
| | | | | | | | | | | Town of New London | | | | | | | | |
| NL 1 | 412037N720542.1 | U.S. Coast Guard (Fort Trumbull) | | 10 | Dug | 17.0 | 24 | -- | 17+ | Till | 7.2 | 7- 7-37 | -- | -- | -- | -- | Obs | Abandoned. U.S.G.S. observation well. |
| NL 3 | 412103N720629.1 | New London & Mohegan Dairies, Inc. | 1932± | 30 | Drl | 260 | 6 | 0-31 | 15 | Bedrock | 10± | -32± | 50 | -- | -- | -- | Ind | Supplies 12,000 gpd for cooling milk and dairy products. Adequate. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set, from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of New London--Continued | | | | | | | | |
| NL 4 | 412111N720636.1 | Southern New England Ice & Oil Co. | 1937 | 52 | Drl | 200 | 6 | -- | 18 | Bedrock | 8 | -37 | 54 | -- | -- | -- | Ind | Supplies 75,000 gpd for cooling. Inadequate in very dry summers only. Water too saline for ice manufacture. C. L. |
| NL 6 | 412250N720629.1 | Connecticut College | | 242 | Dug | 16.2 | 24 | -- | 16+ | Till | 11.3 | 8-21-41 | -- | -- | -- | -- | Inst | Formerly supplied drinking water. Destroyed. |
| NL 10 | 412105N720555.1 | New London Historical Society | | 10 | Dug | 21.7 | 36 | -- | 22+ | Till | 16.6 | 7-27-64 | -- | -- | -- | -- | Obs | U.S.G.S. observation well. Water level measurements (1956-1964) listed in Conn. Water Resources Bulls. 2 and 7. Aquifer formerly listed as sand and gravel. |
| NL 13 | 412218N720656.1 | William F. Tarry | pre-1912 | 87 | Dug | 9 | -- | -- | 9+ | Sand | 5.4 | 7-18-63 | -- | -- | -- | -- | Dom | Supplies 2 people. |
| NL 14 | 412215N720658.1 | Mary Lewis | 1948 | 88 | Drl | 100± | 6 | -- | 14 | Bedrock | 20- | -48 | 5 | 80± | -- | 0.06 | Dom | Drawdown and specific capacity based on recovery test. Supplies 2 people. C. |
| NL 15 | 412248N720619.1 | Connecticut College | 1956 | 214 | Drl | 405 | 8 | 0-51 | 43 | Bedrock | 26.3 | 8-26-63 | 22 | 170 | 9 | .13 | Inst | Near contact with "Granite and gneiss." Standby well. U.S.G.S. observation well. C. L. |
| NL 16 | 412058N720628.1 | Guy F. Radway | 1932 | 18 | Drl | 60± | 6 | 0-28 | 28 | Bedrock | 6 | -32 | 30± | -- | 24+ | -- | Ind | Supplies 10,000 gpd for washing and cooling. Adequate. C. |
| NL 17 | 412122N720541.2 | M. Freeman & Co. | 1933? | 8 | Drl | 140 | 8 | 0-15 | 15 | Bedrock | 5.5 | 10-23-63 | 19 | 130 | 14 | .15 | Ind | Probably deepened from 53 ft depth. Formerly supplied 8,000 gpd for cooling. Brackish; abandoned. |
| NL 18 | 412122N720541.1 | do | 1952± | 8 | Drl | 310 | 6 | -- | -- | Bedrock | 5.5 | 10-23-63 | 3 | -- | -- | -- | Ind | Situated 1.5 ft from NL 17; 2 wells reportedly connected at depth. Supplied 14,000 gpd for slaughtering until 1955. Brackish, unsuitable for drinking and cooling. Supplies 1,000 gpd for washing. |
| NL 19 | 412119N720545.1 | Beit Brothers | 1938 | 32 | Drl | 300 | 8 to 6 | 0-22 | 10 | Bedrock | -- | | 3 | -- | -- | -- | Com | Inadequate for supply requiring 40 gpm; unused. |
| NL 20 | 412102N720630.1 | New London & Mohegan Dairies, Inc. | 1944± | 38 | Drl | 305 | 6? | -- | -- | Bedrock | -- | | 10 | -- | -- | -- | Ind | Supplies 2,000 gpd for air conditioning during 4 summer months only. C. |
| NL 21 | 412055N720627.1 | Beit Brothers | 1951 | 36 | Drl | 140+ | 6 | 0-15± | 10± | Bedrock | 0 | | 50 | 120 | 12+ | .42 | Com | Supplies water for washing, drinking, air conditioning and all other needs; pumped continuously. Adequate. |
| NL 22 | 412132N720623.1 | Sheffield Company | 1953± | 101 | Drl | 455 | 6 | 0-35 | 35 | Bedrock | 33.3 | 5-27-64 | 8 | 140± | 6± | .06 | Ind | Supplied water for cooling for one summer. Rust in water; unused. |
| NL 23 | 412131N720622.1 | do | 1953± | 102 | Drl | 177 | 6 | 0-29 | 29 | Bedrock | 34.7 | 5-27-64 | 6± | 140± | 5+ | .04 | Ind | Situated 150 ft east of NL 22. Water level declined when NL 22 was pumped at 8+ gpm. Yield inadequate; abandoned. |
| | | | | | | | | | | Town of North Stonington | | | | | | | | |
| NSn 1 | 412521N715320.1 | York's Garage | 1951 | 160 | Drl | 100 | 6 | -- | 20 | Bedrock | -- | | 2 | -- | -- | -- | Dom | Reported yield 2½ gpm. |
| NSn 2 | 412719N714915.1 | Albert D. Kuehn | 1951 | 110 | Drl | 48 | 6 | -- | 18 | Bedrock | 6± | -51 | 8 | -- | -- | -- | Dom | Flowed when drilled. |
| NSn 3 | 412811N715033.1 | Atwood Anderson | 1951 | 180 | Drl | 85 | 6 | -- | 15 | Bedrock | 9± | -51 | 3.5 | -- | -- | -- | -- | Drilled in 15-ft dug well. Supplies 5 people and stock. Adequate. |
| NSn 4 | 412816N715000.1 | Carl Fried | 1949 | 200 | Drl | 100 | 6 | -- | 55 | Bedrock | - | | 3 | -- | -- | -- | Dom | C. |
| NSn 5 | 412623N715250.1 | Frank Stolpa | 1949 | 150 | Drl | 75 | 6 | -- | 20 | Bedrock | 30± | -49 | 6 | -- | -- | -- | Dom | Supplies 4 people. Adequate, but iron content high. C. |
| NSn 6 | 412705N715235.1 | Jerry Lonycraft | 1950 | 285 | Drl | 100 | 6 | -- | 8 | Bedrock | -- | | 2 | -- | -- | -- | Dom | |
| NSn 7 | 412714N715303.1 | Ansell Coats | 1950 | 265 | Drl | 78 | 6 | -- | 7 | Bedrock | 13± | 4- -50 | 3 | -- | -- | -- | Dom | Supplies 9 people; inadequate. C. |
| NSn 8 | 412634N715232.1 | Charles Barker | 1949 | 150 | Drl | 62 | 6 | -- | 18 | Bedrock | 20 | -49 | 6 | -- | -- | -- | Dom | Drilled in 14-ft dug well. Supplies 4 people. Adequate. |
| NSn 9 | 412625N715309.1 | Maude Price | 1950 | 145 | Drl | 98 | 6 | -- | 25 | Bedrock | -- | | 6 | -- | -- | -- | Dom | Near contact with "Granite and gneiss." |
| NSn 10 | 412559N715537.1 | Wychwood Farms | | 270 | Dug | 10 | 30 | 0-10± | -- | Unknown | 1.2 | 5- 6-58 | -- | -- | -- | -- | -- | Abandoned. |
| NSn 11 | 412615N715505.1 | G. Baranowski | 1957 | 240 | Drl | 70 | 6 | 0-13 | 9 | Bedrock | 26 | 10-28-57 | 3 | 44 | 1 | .07 | Dom | C. |
| NSn 12 | 412615N715233.1 | Westerly Tool & Die | 1955 | 165 | Drl | 81 | 6 | 0-17 | 13 | Bedrock | 16 | 8- 4-55 | 3 | -- | -- | -- | Dom | At contact of two formations. Yield inadequate. |
| NSn 13 | 412907N715220.1 | M. Tatun | 1957 | 310 | Drl | 77 | 6 | 0-14 | 14 | Bedrock | 11 | 7-26-57 | 3 | 64 | 1 | .04 | Dom | |
| NSn 14 | 412747N715009.1 | | | 145 | Drl | 41 | -- | -- | 40- | Bedrock | 10 | 5- 6-58 | -- | -- | -- | -- | -- | |
| NSn 15 | 412659N714920.1 | Leroy Main | 1955 | 200 | Drl | 144 | 6 | -- | 58? | Bedrock | 28 | 12-10-55 | 3.5 | -- | 1 | -- | Dom | Drilled in dug well. C. |
| NSn 16 | 412644N714929.1 | D. Street | 1956 | 215 | Drl | 102 | 6 | 0-22 | 14 | Bedrock | 15 | 4- 2-56 | 5 | 87 | 1 | .06 | Dom | Till overlies bedrock. |
| NSn 17 | 412555N715038.1 | John Pietrowski | 1956 | 135 | Drl | 112 | 6 | 0-27 | 25 | Bedrock | 25 | 10- -56 | 2 | 75 | 1 | .03 | Dom | C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of North Stonington--Continued | | | | | | | | |
| NSn 18 | 412454N715124.1 | William Miner | 1955 | 112 | Drl | 51 | 6 | 0-8 | 8 | Bedrock | 10 | 9- -55 | 5 | -- | -- | -- | Dom | Gravel overlies bedrock. |
| NSn 19 | 412632N715220.1 | J. McGowan | | 135 | Dug | 14 | 24 | 0-14± | -- | Unknown | 7.8 | 5- 6-58 | -- | -- | -- | -- | -- | Contaminated; abandoned. |
| NSn 20 | 412634N715229.1 | C. Govitt | 1957 | 150 | Drl | 85 | 6 | 0-11 | 7 | Bedrock | 8 | 4- -57 | 3 | 77 | 1 | 0.04 | Dom | |
| NSn 21 | 412658N715205.1 | Walter E. Kuta | 1957 | 250 | Drl | 75 | 6 | 0-15 | 11 | Bedrock | 18 | 8- -57 | 6 | 57 | 1 | .11 | Dom | |
| NSn 22 | 413031N714927.1 | George Culver | | 421 | Dug | 16.8 | 40 | -- | 17 | Till | 6.4 | 4-14-59 | -- | -- | -- | -- | None | Contaminated; abandoned. Published in Conn. Water Resources Bull. No. 9. |
| NSn 24 | 413029N715024.1 | Robert Palmer Estate | pre-1880 | 475 | Dug | 15.9 | 28± | -- | -- | Till | 6.1 | 4-14-59 | -- | -- | -- | -- | Agr Dom | Supplies 12 cattle; adequate. Published in Conn. Water Resources Bull. No. 9. |
| NSn 25 | 413006N715041.1 | Pendleton Hill Baptist Church | | 475 | Dug | 27.4 | 30 | 0-27± | -- | Till | 21.0 | 10- 2-63 | 1- | 3 | .1 | -- | None | U.S.G.S. observation well. Published in Conn. Water Resources Bull. No. 9. |
| NSn 29 | 412516N715259.1 | E. J. Murphy & Sons, Inc. | 1958 | 105 | Drl | 30 | 8 | 0-20 | -- | Sand and gravel | 2 | 11-18-58 | 223 | 5.4 | 9 | 41.3 | PS | Gravel packed and finished with 10 ft of 8-inch screen (0.080 slot) at 20 to 30 ft. Supplies 27,000± gpd for 128 homes. C. L. |
| NSn 30 | 412440N715041.1 | Hugo E. Wirtanen | 1958 | 35 | Dug | 14.0 | 30 | 0-13.5 | -- | Sand and gravel | 6.8 | 8-26-63 | 20± | 6 | 2+ | 3.3± | Agr Dom | Supplies about 600 gpd for 3 people and 11,000 chickens. C. L. |
| NSn 35 | 412927N715410.1 | Philip Shafer | 1962 | 340 | Drl | 65 | 6 | 0-24 | 19 | Bedrock | 17.5 | 9-28-63 | 4 | -- | -- | -- | Dom | Drilled in dug well. Adequate. Situated in Quinebaug basin and published in Conn. Water Resources Bull. No. 9. Water level measured in dug well. |
| NSn 36 | 412953N715416.1 | George & Eric Berg | 1961 | 336 | Drl | 65 | 6 | 0-60 | 60 | Bedrock (and sand and gravel ?) | 30 | 5- -61 | 40+ | 35 | -- | 1.14- | Agr | Near contact of two formations. Sand and gravel overlie bedrock. Supplies 16,000 chickens. Situated in Quinebaug basin and published in Conn. Water Resources Bull. No. 9. |
| NSn 37 | 412952N715418.1 | do | 1915± | 332 | Drl | 88 | 6 | -- | -- | Bedrock | 33 | | -- | 51 | 1.5 | -- | Agr | Near contact of two formations. Situated in Quinebaug basin; not published in Conn. Water Resources Bull. No. 9. Supplies 5 people and 4,700 chickens. |
| NSn 39 | 412723N715654.1 | Conn. Silica Co. | 1960± | 135 | Drl | -- | 6 | -- | -- | Bedrock | 10.0 | 7-24-64 | -- | -- | -- | -- | Ind | Near contact with 2 formations. Supplies 500- gpd for 20 employees. C. |
| NSn 40 | 412626N715346.1 | North Stonington Water Co. | 1963 | 170 | Drl | 280± | 6 | 0-22 | 17 | Bedrock | 18 | 10- -63 | 150- | -- | -- | -- | PS | One of 4 bedrock wells at site and only one in use. Supplied 400± people in 1965. Situated near presumed fault. Water extremely hard. C. |
| NSn 41 | 412626N715346.2 | do | 1963 | 170 | Drl | 280 | 6 | 0-24 | 16 | Bedrock | 21 | 10- -63 | 150- | -- | -- | -- | PS | Standby for NSn 40. Situated near presumed fault. Water extremely hard. |
| NSn 42 | 412607N715325.1 | do | 1963 | 144 | Drl | 260± | 6 | 0-24± | 22± | Bedrock | 6.8 | 6-24-65 | -- | -- | -- | -- | PS | Water extremely hard. Abandoned. |
| NSn 43 | 412607N715325.2 | do | 1963 | 142 | Drl | 300± | 6 | 0-22± | 20± | Bedrock | 6.6 | 6-24-65 | 10 | -- | -- | -- | PS | Water extremely hard. Abandoned. |
| NSn 46 | 412723N715422.1 | T. A. Gould | 1925± | 162 | Drl | 27 | 6 | 0-27 | -- | Gravel | 10 | | 22 | -- | -- | -- | Dom | Supplies 2 people; adequate. |
| NSn 47 | 412655N715334.1 | Eastern Water Co., Inc. | 1965 | 150 | Drv | 36.7 | 2 | 0-37 | 41 | Sand and gravel | .7 | 6-29-65 | 35± | -- | 8 | -- | Test | Drawdown measured in observation well NSn 48, 2 ft away was 1 ft after pumping 35± gpm for 8 hrs. |
| NSn 48 | 412655N715334.2 | do | 1965 | 150 | Drv | 37 | 2 | 0-37 | 41 | Sand and gravel | .8 | 6-29-65 | 35± | -- | 8 | -- | Test | Drawdown measured in observation well NSn 47, 2 ft away was 1 ft after pumping 35± gpm for 8 hrs. L. |
| NSn 49 | 412657N714829.1 | Howard Dean | 1965 | 85 | Drl | 120 | 6 | 0-80 | 75 | Bedrock | 15 | 7- -65 | 12 | 105 | 4 | .11 | Dom | Supplies 6 people; adequate. |
| NSn 50 | 412656N715338.1 | North Stonington Water Co. | 1965 | 152 | Drl | 41 | 2½ | 0-31? | -- | Sand and gravel | 5 | 7- -65 | 126 | -- | -- | -- | Test | Tested with 10 ft of 2½-inch screen (60 slot). Destroyed; NSn 51 drilled at same site. |
| NSn 51 | 412656N715338.1 | do | 1965 | 152 | Drl | 35 | 24 to 12 | 0-25 | 38± | Sand and gravel | 5 | 9- -65 | 225 | 17 | 24 | 13.2 | PS | Gravel packed and finished with 10 ft of 12-inch screen (120 slot) at 25 to 35 ft. New well; not yet in use when visited. L. |
| | | | | | | | | | | Town of Norwich | | | | | | | | |
| Nwh 1 | 413125N720442.1 | Lord Theater | 1946 | 15 | Drl | 325 | 8 | -- | 0 | Bedrock | -- | | 20 | 50 | 6 | .40 | -- | Building demolished; well destroyed. |
| Nwh 3 | 413126N720435.1 | Conn. Bank & Trust Co. | 1939 | 20 | Drl | 184 | 6 | 0-13 | 0 | Bedrock | 20± | | 45 | 75± | 9 | .6± | -- | Inadequate for air-conditioning only twice in very dry years. Brackish; abandoned. |
| Nwh 4 | 413130N720443.1 | A. Duch | 1890± | 65 | Dug | 19.6 | 30 | -- | -- | Till | 7.5 | 7-16-46 | -- | -- | -- | -- | Dom | Abandoned. U.S.G.S. observation well; water level measurements available July 1946 to Dec. 1948. |
| Nwh 5 | 413318N720646.1 | Chambers Storeck Co. | 1954± | 98 | Drl | 125 | 6 | -- | -- | Bedrock | 6 | -54± | 2 - 3 | -- | -- | -- | -- | Inadequate; destroyed. |
| Nwh 6 | 413317N720646.1 | do | 1865? | 95 | Dug | 20 | -- | 0-20 | 20 | Sand and gravel | 6 | | -- | -- | -- | -- | -- | Supplied 1,500 gpd of drinking water until public supply became available; destroyed. |
| Nwh 8 | 413142N720427.1 | J. B. Martin Co. | 1902± | 32 | Drl | 200± | 6 | -- | 65 | Bedrock | 10± | | 20+ | -- | -- | -- | Ind | Yield 40± gpm in 1905±; declined to 10± gpm in 1946 reportedly due to silting of well and pumping of nearby wells. City water is chief supply for boilers, dying, etc. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Norwich--Continued | | | | | | | | |
| Nwh 9 | 413138N720429.1 | J. B. Martin Co. | 1930 | 28 | Drl | 300 | 6 | -- | 65 | Bedrock | 6.4 | 10-28-63 | 40 | 270± | -- | 0.15 | Ind | Depth 200 ft before deepening in 1933± because of declining pumping level. Yield 43+ gpm in 1930; declined to 10+ gpm in 1957 reportedly due to pumping of nearby wells. C. |
| Nwh 10 | 413135N720430.1 | do | 1932 | 25 | Drl | 315 | 8 | 0-65 | 64 | Bedrock | 11 | 7-13-32 | 100 | -- | -- | -- | Ind | Perforated casing 45 to 65 ft depth. Yield declined to 25+ gpm reportedly due to pumping of nearby wells. Wells Nwh 8, 9, and 10 combined supplied 58,000 gpd in 1957 and about 30,000 gpd in 1963. |
| Nwh 15 | 413033N720445.1 | American Thermos Products Co. | 1955 | 60 | Drl | 135 | 6 | 0-20± | 19 | Bedrock | 60 | 11- -55 | 55 | 70 | 500± | .79 | Ind | Supplies 2,000 gpd. C. |
| Nwh 16 | 413144N720426.1 | J. B. Martin Co. | pre-1930 | 35 | Drl | 210 | -- | -- | 65 | Bedrock | -- | | 15± | -- | -- | -- | -- | Yield inadequate; destroyed. |
| Nwh 17 | 413139N710429.1 | do | 1932 | 30 | Drl | 50 | 8 | 0-50 | 64 | Silt and sand | 10± | | 10 | 40- | -- | .3± | -- | Drilled into bedrock; pulled back to 50 ft. Perforated casing 40 to 50 ft depth. Yield inadequate and silt in water; destroyed. |
| Nwh 18 | 413137N720429.1 | do | 1926 | 27 | Drl | 203 | 10 to 6 | 0-115 | 60± | Bedrock | 10± | | 15 | 170 | 18 | .09 | -- | Triple-cased. Yield declined after nearby wells drilled. Water became brackish; destroyed. |
| Nwh 19 | 413330N720632.1 | Norwalk-Wilbert Vault Co., Inc. | 1940± | 160 | Drl | 75± | 6 | -- | -- | Bedrock | -- | | 7 | -- | -- | -- | Ind | Supplies 1,000 gpd for making concrete. Inadequate; supplemented by Nwh 20. C. |
| Nwh 20 | 413331N720628.1 | do | 1959± | 140 | Dug | 22 | 120 | 0-22 | 12 | Till and bedrock | 12 | -59± | -- | 10 | 8 | -- | Ind | Blasted 10 ft into bedrock. Finished with 10-inch to 18-inch concrete pipe laid horizontally at 10 to 22 ft depth. Supplies 1,000 gpd. |
| Nwh 21 | 413332N720633.1 | Mrs. Antonia Woodworth | 1955 | 190 | Drl | 286 | 6 | 0-20± | -- | Bedrock | 40 | -55 | 7 | 210 | 2 | .03 | Dom | Standby to supplement Nwh 19 and 20 if needed. |
| Nwh 22 | 413249N720450.1 | City of Norwich (Thomas J. Kelly Jr. High School) | 1961 | 280 | Drl | 300 | 8 | 0-26 | 14 | Bedrock | 9 | 2- 4-61 | 50 | 55 | 8 | .91 | Inst | Supplies 1,200 pupils and 72 employees. C. L. |
| Nwh 23 | 413250N720608.1 | B and M. Realty Co. | 1958± | 83 | Drl | 84 | 6 | 0-80 | -- | Sand and gravel | 9± | -58± | 75 | 35 | 10 | 2.1 | Com | Supplies 70,000 gpd, chiefly in summer. |
| Nwh 24 | 413251N720608.1 | do | 1958± | 84 | Drl | 65 | 6 | -- | -- | Sand and gravel | 10 | -58± | 35 | 35 | 8 | 1.0 | Com | Supplies 30,000 gpd, summers only. Situated 200 ft northwest of Nwh 23. C. |
| Nwh 25 | 413129N720507.1 | Yantic Grain & Products | 1946 | 15 | Drl | 493 | 6 | 0-68 | 57 | Bedrock | 10.1 | 6- 2-64 | 12 | 58 | 8± | .21 | Ind | Yield 3 gpm at 150 ft depth. Supplies coolers, refrigerator. Inadequate. C. |
| Nwh 26 | 413233N720523.1 | William W. Backus Hospital | 1913? | 112 | Drl | 250 | 8 | -- | -- | Bedrock | 34.9 | 6- 4-64 | 11 | 195± | 2± | .06 | Inst | Polluted; use discontinued. |
| Nwh 27 | 413010N720727.1 | Harry M. Johnson | 1963 | 52 | Dug | 8.6 | 12 | 0-10 | -- | Sand and gravel | 1.3 | 6-23-64 | 15 | 7.5 | .5 | 2.0 | Dom | Supplies 100 gpd. C. L. |
| Nwh 28 | 413103N720439.1 | Norwich Oil Co., Inc. | 1955 | 4 | Drl | 225 | 6 to 3 | -- | 40± | Bedrock | 1.1 | 7-24-64 | -- | -- | -- | -- | -- | Triple cased. Water level measured 1.2 ft in 3-inch casing and 3.7 ft in 6-inch casing at same time. Brackish; abandoned. |
| Nwh 29 | 413103N720439.2 | do | 1933 | 4 | Drv | 18 | 1½ | 0-18 | -- | Sand and gravel | 3± | | -- | -- | -- | -- | Com | Situated 20 ft from Nwh 28. Supplies sanitary water for 5 employees. Bottled water used for drinking. |
| Nwh 33 | 413247N720533.1 | Beebe's Dairy | 1935± | 82 | Drl | 28 | 6 | -- | -- | Sand and gravel | 14± | | -- | -- | -- | -- | Com | Supplied dairy. Three wells formerly supplied total of 300,000 gpd for dairy, in 1951. Yield inadequate; abandoned. |
| Nwh 34 | 413247N720533.2 | do | 1947 | 83 | Drl | 300 | 6 | 0-53 | -- | Bedrock | 12± | | 40+ | -- | -- | -- | Com | Supplies restaurant with all except water for boilers. Water too hard for boilers. |
| Nwh 35 | 413247N720533.3 | do | 1953 | 84 | Drl | 310 | 6 | -- | -- | Bedrock | 12± | | 35± | 90 | -- | .4± | Com | Yield inadequate for all restaurant needs; supplements Nwh 33. |
| Nwh 36 | 413140N720523.1 | Ulmer Leather Co. | 1890's | 50 | Drl | 115 | 6 | -- | 20 | Bedrock | 15 | -03± | 10 | -- | -- | -- | Ind | Data from U.S.G.S. Water Supply Paper 232, p. 83. Yield inadequate; abandoned. |
| | | | | | | | | | | Town of Old Lyme | | | | | | | | |
| OL 4 | 411810N721623.1 | J. Beebe | 1956 | 105 | Drl | 115 | 6 | 0-30 | 5 | Bedrock | 20 | 8-24-56 | 5 | 90 | 1 | .06 | Dom | |
| OL 5 | 411912N721535.1 | Norman Schapleigh | 1955 | 120 | Drl | 250 | 6 | 0-26 | 5 | Bedrock | 75? | 7- 5-55 | 2 | 175 | 1.5 | .01 | Dom | Adequate. C. |
| OL 8 | 411902N721532.1 | Ralph Stanton Cement Works | 1953± | 44 | Dug | 10.3 | 30 | 0-10+ | -- | Sand and gravel | 4.7 | 7-31-63 | 5+ | 2± | 12 | 2.5 | Ind | Supplies 1,000 gpd for making concrete. |
| OL 10 | 411731N721641.1 | Old Lyme Shores | 1926± | 32 | Drl | 325 | 6 | -- | -- | Bedrock | 30- | | 20 | 150± | 200 | .13 | PS | OL 10, 11, and 12 supply 900± people weekdays, 2700 people on weekends during summer months. Peak demand 500,000 gpd in July and August. High iron content in OL 10. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Old Lyme--Continued | | | | | | | | |
| OL 11 | 411734N721642.1 | Old Lyme Shores | 1938± | 32 | Drl | 535 | 8 | -- | -- | Bedrock | 30- | | 8 | 180 | 150 | 0.04 | PS | Deepened from 300 ft depth. |
| OL 12 | 411733N721644.1 | do | 1948 | 30 | Drl | 300 | 8 | -- | -- | Bedrock | 6± | | 20 | 194± | 150 | .10 | PS | High iron content. |
| OL 13 | 411733N721652.1 | do | 1949± | 25 | Drl | 25 | 8 | 0-25± | -- | Sand and gravel | 8 | -49± | 13-14 | 12 | 48 | 1.1 | PS | OL 13 and 14 hooked up to one pump. |
| OL 14 | 411733N721652.2 | do | 1949± | 25 | Drl | 25 | 8 | 0-25± | -- | Sand and gravel | 8 | -49± | 13-14 | 12 | 16 | 1.1 | PS | |
| OL 15 | 411650N721818.1 | White Sands Beach | 1920 | 8 | Drv | 20 | 2 | 0-20 | -- | Sand and gravel | 4 | | 25 | 10± | 12+ | 2.5+ | PS | OL 15, 16, 17 and 18 supply 700± people on weekdays, 2,200 people on weekends during summer months. C. |
| OL 16 | 411650N721818.2 | do | 1920 | 8 | Drv | 20 | 2 | 0-20 | -- | Sand and gravel | 4 | | 17 | 10 | 15+ | 1.7 | PS | Well points for OL 15, 16, and 17 reportedly replaced about every other year. C. |
| OL 17 | 411650N721818.3 | do | 1920 | 8 | Drv | 20 | 2 | 0-20 | -- | Sand and gravel | 4 | | 17 | 10 | 15+ | 1.7 | PS | OL 15, 16, 17 pumped for 2 months each with only short nightly shutdowns. C. |
| OL 18 | 411703N721811.1 | do | 1915± | 13 | Dug | 25 | 72 | 0-25± | -- | Sand and gravel | 7 | | 8 | 16 | 96 | .5 | PS | Only one of 4 wells (OL 15-18) pumped throughout year. |
| OL 20 | 411748N721529.1 | Point O'Woods | 1943 | 14 | Dug | 27 | 72 | 0-27 | -- | Sand and gravel | 6 | 4-12-60 | 20± | 11± | 8+ | 1.5± | PS | Test hole drilled in bottom of dug well to 50 ft depth. OL 20, 21, 22, 23, 24, 25, and 26 supply 380 families with 100,000 gpd on weekdays and 300,000 gpd on weekends during summer months. High iron content in OL 20. L. |
| OL 21 | 411748N721525.1 | do | 1954 | 10 | Drl | 24 | 2½ | 0-24 | -- | Sand and gravel | 2 | -54 | 75± | 7± | 3.5 | 11± | PS | Four 2½-inch wells at this site and 2 ft apart. Screen at 19 to 24 ft depth. OL 20, 21, and 22 supply 65 percent of consumption. Combined yield of 2 wells 75 gpm. C. |
| OL 22 | 411748N721525.2 | do | 1960 | 10 | Drl | 25 | 8 | 0-20 | -- | Sand and gravel | 8 | -60 | 82+ | 15 | 24+ | 5.6 | PS | Gravel-packed and finished with 5 ft of 8-inch screen at 20 to 25 ft of depth. |
| OL 23 | 411750N721525.1 | do | 1925± | 16 | Drl | 150± | 6 | 0-30 | -- | Bedrock | 12± | | 20 | 130± | 8 | .15 | PS | Supplies about 25,000 gpd, 7 months of year. High iron content. C. |
| OL 24 | 411750N721525.2 | do | 1931 | 16 | Drl | 384 | 6 | 0-50± | -- | Bedrock | 8 | | 60 | 190± | -- | .32 | PS | Supplies about 10,000 gpd, 7 months of year. High iron content. |
| OL 25 | 411747N721529.1 | do | 1949 | 12 | Dug | 18.5 | 48 | 0-20± | -- | Silt and clay | 10.7 | 8- 9-63 | -- | -- | -- | -- | -- | Odor of vegetation and sulfur; abandoned. |
| OL 26 | 411750N721511.1 | do | 1931 | 45 | Drl | 488 | 6 | 0-30 | 1 | Bedrock | 40 | -31 | 2 | 340± | 1 | .06 | PS | Yield inadequate; destroyed. |
| OL 27 | 411741N721708.1 | Mile Creek School | 1962 | 53 | Drl | 350 | 6 | 0-42 | 18 | Bedrock | 11.3 | 8-14-63 | 5 | 330 | 8 | .02 | Inst | Water encountered at 80 ft depth; yield 5 gpm at 140 ft depth, no additional water encountered at greater depth. OL 27 and 28 will supply new school. C. L. |
| OL 28 | 411745N721707.1 | do | 1962 | 58 | Drl | 231 | 6 | 0-15 | 10 | Bedrock | 12.0 | 8-14-63 | 7 | 188 | 7 | .04 | Inst | Situated 400 ft north of OL 27. Water (5 gpm) encountered at 18 ft depth; Two gpm additional obtained to bottom. |
| OL 43 | 411703N721657.1 | Mr. Hannifin | | 10 | Dug | 20 | -- | 0-20± | -- | Sand and gravel | 6.9 | 8- 2-57 | -- | -- | -- | -- | -- | |
| OL 48 | 411704N721640.1 | J. Perone | | 5 | Drl | 110 | 6 | -- | -- | Bedrock | 8.3 | 8- 5-57 | -- | -- | -- | -- | -- | Sand overlies bedrock. Unused because of contamination resulting from flooding of area by sea water. |
| OL 49 | 411708N721643.1 | N. Corsino | | 5 | Dug | 10.5 | 18 | 0-10+ | -- | Sand and gravel | 2.2 | 8- 5-57 | -- | -- | -- | -- | -- | High iron content. Building demolished; well destroyed. |
| OL 50 | 411805N721513.1 | Mr. Burr | 1963 | 33 | Drl | 260 | 6 | 0-35 | 30± | Bedrock | 20± | -63 | 2 | -- | -- | -- | Dom | Reported yield 2.5 gpm. |
| OL 51 | 411803N721512.1 | Terra, Inc. | 1963 | 40 | Drl | 298 | 6 | 0-8 | -- | Bedrock | -- | | 1 | -- | -- | -- | Dom | Reported yield 1 to 1.5 gpm. C. |
| OL 52 | 411759N721515.1 | Fred Minson | 1964 | 70 | Drl | 695 | 6 | 0-12 | 6 | Bedrock | 10 | 1-11-64 | 0 | -- | -- | -- | Dom | Dynamited at bottom and at 140 ft to 200 ft depth with no increase in yield. Reported yield 0.1-gpm. |
| OL 53 | 411800N721514.1 | do | 1964 | 60 | Drl | 350 | 6 | 0-12 | 8 | Bedrock | 10± | 2-28-64 | 0 | -- | -- | -- | Dom | Dynamited with no increase in yield. Reported yield 10± gallons per hour. |
| OL 54 | 411759N721516.1 | do | 1964 | 58 | Drl | 245 | 6 | 0-10 | 4 | Bedrock | 4 | 3-28-64 | 1.5 | -- | -- | -- | Dom | Most productive and topographically the lowest of 3 wells at this site. Main water at 125 ft depth. |
| OL 55 | 411800N721520.1 | Terra, Inc. | 1964 | 35 | Drl | 247 | 6 | 0-12 | 7 | Bedrock | 10 | 4- 6-64 | 3 | -- | -- | -- | Dom | |
| OL 56 | 411759N721521.1 | do | 1964 | 25 | Drl | 125 | 6 | 0-14 | -- | Bedrock | 10 | 4- 8-64 | 15 | -- | -- | -- | Dom | Near contact of two formations. |
| OL 57 | 411711N721639.1 | Elizabeth C. Doyle | 1909? | 10 | Dug | 11.8 | 24 | 0-12+ | -- | Sand and gravel | 9± | | -- | -- | -- | -- | Dom | Supplies 10+ people during summer months. Water level 10.4 ft on 7-28-64 during recovery from pumping. |
| OL 58 | 411715N721630.1 | Sound View Improvement Co., Inc. | 1914± | 9 | Dug | 14.5 | 120 | 0-15 | -- | Sand and gravel | 4 | | 25 | 10 | 18 | 2.5 | PS | Wells OL 58, 59, and 60 supplied 2,500± people. Inadequate; supplemented by OL 61 and 62. Water level 11.2 ft on 7-28-64 during recovery from pumping. C. |
| OL 59 | 411715N721630.2 | do | 1914± | 8 | Dug | 13.4 | 180 to 72 | 0-17 | -- | Sand and gravel | 1 | | 20 | 17.5 | 24 | 1.4 | PS | Perforated metal (72-inch) caisson at 13.5 to 17.5 ft. Water level 10.9 ft on 7-28-64 during recovery from pumping. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Old Lyme--Continued | | | | | | | | |
| OL 60 | 411716N721631.1 | Sound View Improvement Co., Inc. | 1930± | 6 | Dug | 13.6 | 276 | 0-14± | -- | Sand and gravel | 3.1 | 7-28-64 | 55 | 10 | 10 | 5.5 | PS | Standby for fire fighting. |
| OL 61 | 411715N721630.3 | do | 1927 | 7 | Drl | 311 | 6 | 0-39 | 32 | Bedrock | 4 | 9-29-27 | 30 | 121 | -- | .25 | PS | Double cased. C. |
| OL 62 | 411715N721630.4 | do | 1945 | 9 | Drl | 524 | 10 to 8 | 0-40± | -- | Bedrock | 8 | | 33 | 165 | 40 | .20 | PS | Slightly salty. |
| OL 63 | 411710N721658.1 | Nunzio Corsino | 1946± | 17 | Dug | 12± | 48 | 0-12+ | 20 | Sand and gravel | 7.0 | 7-29-64 | 60+ | 16± | 4 | 3.8± | PS | OL 63 and 64 supply 8,000± gpd weekdays and 25,000 gpd weekends during summer months. C. |
| OL 64 | 411715N721654.1 | do | 1946± | 9 | Dug | 11± | 72 | 0-11+ | 20 | Sand and gravel | 4.9 | 7-29-64 | 60+ | 14± | 4 | 4.3± | PS | Connected to OL 63 with 4 lengths of 4-inch pipe set in crushed rock. |
| OL 65 | 411720N721650.1 | do | 1946 | 20 | Drl | 153.4 | 6 | 0-136± | -- | Bedrock | 10.2 | 7-29-64 | 5 | -- | -- | -- | -- | Main water at 75 ft depth; no additional water at greater depths. Inadequate; abandoned. |
| OL 66 | 411655N721707.1 | H. P. Garvin | 1920± | 10 | Drl | 45-60 | 6 | -- | -- | Sand or bedrock | 6± | | 15 | -- | -- | -- | PS | Became salty; destroyed. |
| OL 67 | 411657N721705.1 | do | 1960± | 10 | Drl | 45 | 8 | 0-45 | 45 | Sand and gravel | 8 | -60 | 25 | 8± | 3 | 3.0± | PS | Became salty; destroyed. |
| OL 68 | 411702N721701.1 | do | 1900± | 10 | Drv | 18 | 2 | 0-19± | 20 | Sand | 7 | | 15 | 8± | 24 | 1.9 | PS | Two similar wells with common pump. Together with OL 69, supply 60 summer cottages. L. |
| OL 69 | 411702N721701.2 | do | 1900± | 10 | Drv | 18-20 | 1¼ | 0-19± | -- | Sand and gravel | 7 | | 12 | 11- | 24 | 1.1+ | PS | Two similar wells with common pump. Together with OL 68, supply 60 summer cottages. |
| OL 70 | 411702N721701.3 | do | 1962 | 10 | Jet | 28 | 2½ | 0-29 | -- | Sand and gravel | 7 | 12-17-62 | 60 | 22- | 3± | 2.2± | PS | Slightly brackish; unused. |
| OL 71 | 411726N721711.1 | do | 1962 | 22 | Drl | 450 | 6 | 0-42 | 36 | Bedrock | 7 | 11- -62 | 28 | 393± | 8 | .07 | PS | Supplies about 100 people in 17 summer cottages. L. |
| OL 72 | 411657N721705.2 | do | 1947± | 10 | Dug | 13-20 | 48 | 0-15± | -- | Sand and gravel | 8 | | 24 | -- | -- | -- | PS | Become brackish; unused |
| OL 73 | 411650N721726.1 | Mildred Bull | 1934 | 10 | Drl | 354 | 6 | 0-261 | 38 | Bedrock | 10 | 1- 4-35 | 15-20 | 90-130 | 5 | .2± | Dom | Salty; never used. |
| OL 74 | 411654N721711.1 | do | pre-1933 | 8 | Dug | 10± | -- | 0-10± | -- | Sand and gravel | 2± | | -- | -- | -- | -- | Dom | Became salty during hurricane; abandoned or destroyed. |
| OL 75 | 411728N721708.1 | H. P. Garvin | 1962 | 22 | Jet | 30± | 2½ | 0-22 | 34± | Clay and sand | 7± | 12- -62 | 10 | -- | -- | -- | PS | Set 6 ft of screen at at 28 to 34 ft, pumped 5 gpm. Reset screen at 22 to 28 ft, pumped 10 gpm. Odor of hydrogen sulfide; destroyed. L. |
| OL 76 | 411748N721525.3 | Point O'Woods | 1954 | 8 | Drl | 19 | 2½? | 0-14 | 45 | Sand and gravel | 4 | 10- 7-54 | 25 | 15± | 2 | 1.7± | Test | Drilled to 45 ft; pulled back to 19 ft. Destroyed. |
| OL 77 | 411748N721525.4 | do | 1954 | 8 | Drl | 20 | 2½? | 0-20 | -- | Sand and gravel | 4 | 10- -54 | -- | -- | -- | -- | Obs | Drawdown 1 ft after pumping OL 76, 2 ft away, at 25 gpm for 2 hrs. Destroyed. |
| OL 78 | 411747N721525.1 | do | 1954 | 8 | Drl | 41 | 2½? | -- | 41 | Sand | 2 | 10- 8-54 | 2 | 30 | -- | .07 | Test | Yield inadequate; destroyed. L. |
| OL 79 | 411747N721529.2 | do | 1954 | 10 | Drl | 62 | 2½? | -- | 62 | Sand | 9 | 10- 8-54 | -- | -- | -- | -- | Test | Yield inadequate; destroyed. L. |
| | | | | | | | | | | Town of Preston | | | | | | | | |
| Ps 6 | 413104N715905.1 | R. S. Russ | 1957 | 255 | Drl | 85 | 6 | 0-14 | 10 | Bedrock | 42 | -57 | 3 | 43 | 1 | .07 | Dom | Inadequate; deepened. C. |
| Ps 7 | 412822N720355.1 | Theodore Buzon | 1956 | 48 | Drl | 105 | 6 | 0-48 | 48 | Bedrock | -- | | 1 | -- | -- | -- | Dom | Reported yield 5 quarts per minute. C. |
| Ps 8 | 412916N720243.1 | Arthur Rogers | 1955 | 30 | Drl | 68 | 6 | 0-40 | 40 | Bedrock | 22 | -55 | 5 | 38 | 1 | .13 | Dom | |
| Ps 9 | 412938N720216.1 | Town of Preston (Elementary School) | 1956 | 65 | Drl | 204 | 6 | 0-48 | 48 | Bedrock | 18 | -56 | 4 | -- | 8 | -- | Inst | Supplies 186 pupils and school employees. |
| Ps 31 | 413038N715806.1 | Mrs. Rebecca Fitzgerald | | 170 | Dug | 15.0 | 20± | -- | -- | Sand and gravel | 7.7 | 9-27-61 | -- | -- | -- | -- | Dom | T. 55°, 9-27-61. |
| Ps 32 | 413128N715848.1 | Bibor's Egg Farm, Inc. | 1950± | 150 | Dug | 11.1 | 28 | -- | -- | Sand | 6.0 | 9-27-61 | -- | -- | -- | -- | Agr | Formerly supplied 60 cows, then 2,800 chickens; adequate; Unused when visited. T. 60°, 9-27-61. Published in Conn. Water Resources Bull. No. 9. |
| Ps 33 | 413122N715848.1 | Mrs. Peter Garino | 1947 | 158 | Drl | 114 | 6 | 0-114 | -- | Sand and gravel | 20 | 1- -47 | -- | -- | -- | -- | Dom | Published in Conn. Water Resources Bull. No. 9. L. |
| Ps 34 | 413142N715833.1 | Preston City Baptist Church | 1957 | 180 | Drl | 102 | 6 | 0-17 | 17 | Bedrock | -- | | 10 | -- | -- | -- | Inst | Published in Conn. Water Resources Bull. No. 9. C. Yields yellow rust-colored water. |
| Ps 36 | 413201N720235.1 | Donald W. Krohn | 1958 | 120 | Drl | 65 | 6 | 0-22 | 7 | Bedrock | 30 | -58 | 2 | 22 | 1 | .09 | Dom | Supplies 4 people. Inadequate in August 1960 and 1961. C. L. |
| Ps 40a | 413142N715905.2 | James V. Choti | 1930± | 165 | Drl | 36.6 | 5 | 0-34+ | -- | Unknown | 11.2 | 8-22-62 | 5+ | -- | 40 | -- | Dom | Supplies water for lawn and garden. Published in Conn. Water Resources Bull. No. 9. |
| Ps 42 | 413144N715850.1 | Chester G. Thurston | 1946 | 165 | Drl | 12.9 | 24 | 0-13 | -- | Sand | 8.0 | 6-11-62 | -- | -- | -- | -- | Com Dom | Supplies store, garage, and one family; adequate. Published in Conn. Water Resources Bull. No. 9. |
| Ps 43a | 413146N715847.2 | A. P. Steffenson, Jr. | 1941± | 165 | Dug | 12.0 | 24 | -- | -- | Sand and gravel | 7.5 | 6-11-62 | -- | -- | -- | -- | None | |
| Ps 58 | 412925N720434.1 | Norwich Hospital | 1950± | 72 | Drl | 120 | 12 | 0-95 | 140± | Sand and gravel | 69 | -50 | 505 | 20 | 27 | 25.0 | Inst | Finished with 25 ft of 12-inch screen at 95 to 125 ft depth. Situated 14 ft from Ps 67. Standby for Ps 67. |
| Ps 59 | 412917N720400.1 | do | 1908± | 65 | Drl | 451 | 8 | 0-29 | -- | Bedrock | 6.4 | 9-12-63 | 66 | 160± | 8 | .41 | Inst | Situated near thrust fault. Flowed 5± gpm in early 1940's. Abandoned. |
| Ps 60 | 412915N720353.1 | do | 1908± | 60 | Drl | 387 | 8 | 0-24 | -- | Bedrock | flow | 9-12-63 | 52 | 150± | 8 | .35 | Inst | Situated at thrust fault. Combined yield of Ps 59 and Ps 60 was 85 gpm in 24-hour pumping test on 6-4-48. Abandoned Water level 1.0 ft above land surface 9-12-63. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Preston--Continued | | | | | | | | |
| Ps 61 | 412908N720149.1 | Norwich Hospital | 1918± | 130 | Drl | 165 | 6 | -- | -- | Bedrock | -- | | 24± | -- | -- | -- | -- | Situated near thrust fault. |
| Ps 62 | 413036N715840.1 | Clara Pendleton | 1950± | 172 | Drl | 146 | 36 to 6 | -- | 26 | Bedrock | 20.8 | 10- 8-63 | -- | -- | -- | -- | Dom | Drilled in 26 ft dug well. Water level reported is for dug well. Water level 44.4 on 10-8-63 during recovery from pumping. C. |
| Ps 63 | 412925N720434.2 | Norwich Hospital | 1953 | 72 | Drl? | 88.1 | 2½ | 0-114 | 114 | Sand and gravel | 71.7 | 10-29-63 | -- | -- | -- | -- | Obs | Observation well for Ps 67, 4.5 ft away. Water level measured when Ps 67 was being pumped. |
| Ps 65 | 412917N720201.1 | Conn. Brass Corp. | 1933± | 70 | Drl | 20.3 | 6 | 0-21 | 21 | Gravel (and bedrock ?) | 11.5 | 9- 7-63 | 16± | -- | -- | -- | Ind | Well pumped during day when water level was measured. Adequate. U.S.G.S. observation well. C. L. |
| Ps 66 | 412938N720155.1 | New England Woolen Co. | 1938± | 66 | Drl | 90 | 5 | -- | -- | Bedrock | -- | | -- | -- | -- | -- | Dom | Flowed in wet weather. Formerly supplied 100± people. C. |
| Ps 67 | 412925N720434.3 | Norwich Hospital | 1950± | 72 | Drl | 120 | 18 | 0-95 | 143 | Sand and gravel | 69.7 | 9-11-63 | 505 | 16 | 43 | 31.6 | Inst | Gravel packed. Finished with 25 ft of 12-inch screen (250 slot) at 95 to 120 ft depth. Supplies 4,000 patients and employees. Pumping test data available. C. L. |
| Ps 69 | 412921N720408.1 | do | 1953 | 60 | -- | 63 | 2 | 0-63 | -- | Sand | -- | | 4 | -- | -- | -- | Test | Finished with 1½-inch screen. Destroyed. |
| Ps 77 | 412911N720326.1 | do | 1953 | 30 | -- | 35 | 2 | 0-35 | 35± | Sand | -- | | 10 | -- | -- | -- | Test | Finished with 10 ft of 1½-inch screen (20 slot). Destroyed. L. |
| Ps 85 | 412921N720406.1 | do | 1948 | 50± | -- | 42 | 8 | 0-42 | 42 | Sand and gravel | 18 | 9-29-48 | -- | -- | -- | -- | Test | Destroyed. |
| Ps 86 | 412905N720333.1 | do | 1948 | 20± | -- | 53 | 8 | -- | 53 | Sand and gravel | 10 | 9-29-48 | -- | -- | -- | -- | Test | Destroyed. L. |
| Ps 87 | 412920N720340.1 | do | 1948 | 18 | -- | 47 | 8 | -- | 47 | Till | 4 | 9-29-48 | -- | -- | -- | -- | Test | Destroyed. L. |
| Ps 88 | 412911N720410.1 | do | 1948 | 72 | -- | 130 | 8 | -- | 130 | Sand and gravel | 50 | 9-29-48 | -- | -- | -- | -- | Test | Destroyed. L. |
| Ps 89 | 412923N720422.1 | do | 1948 | 72 | -- | 136 | 8 | -- | 136 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Destroyed. |
| Ps 94 | 412921N720433.1 | do | 1948 | 71 | -- | 136 | 8 | -- | 136 | Sand and gravel | 70 | 10- -48 | 300 | 37½ | 72 | 8.0 | Test | Destroyed. |
| Ps 105 | 412833N720348.1 | Philip Ficarra | 1957 | 40 | Drl | 73 | 6 | 0-65 | -- | Sand | 15 | 9- 7-57 | -- | -- | -- | -- | Dom | Finished with 8 ft of 6-inch screen (32 slot) at 65 to 73 ft depth. C. |
| Ps 106 | 412952N720214.1 | Mr. Smith | 1959 | 50 | Drl | 85 | 6 | 0-27 | 23 | Bedrock | 22 | 8-14-59 | 5.5 | 63 | 5 | .09 | Dom | |
| Ps 107 | 412954N720214.1 | Webster's Ice and Oil | 1959 | 60 | Drl | 50 | 6 | 0-16 | 10 | Bedrock | 6 | 5-22-59 | 26 | -- | 5 | -- | Dom | |
| Ps 108 | 412954N720218.1 | do | 1959 | 60 | Drl | 60 | 6 | 0-12 | 4 | Bedrock | 16 | 9-23-59 | 5 | 44 | 2 | .11 | Dom | |
| Ps 109 | 413116N720202.1 | Alten P. Lewis | 1959 | 160 | Drl | 50 | 6 | 0-6 | 0 | Bedrock | 11 | 5-29-59 | 2± | 39 | 1 | .05 | Dom | C. |
| Ps 110 | 412925N720434.4 | Norwich Hospital | 1953 | 72 | Drl? | 109.3 | 2½ | 0-115 | 115 | Sand and gravel | 71.3 | 10- 7-64 | -- | -- | -- | -- | Test | |
| Ps 111 | 412919N720438.1 | do | 1954 | 12 | Drl? | 67.5 | 2½ | 0-60± | -- | Sand and gravel | 10.3 | 10- 8-64 | 20 | 14 | 1 | 1.4 | Test | Situated 115± ft from Thames River. Deepened from 40 to 60 ft depth in 1954. |
| Ps 112 | 412912N720434.1 | do | 1953 | 8 | Drl? | 40.0 | 2½ | 0-40 | 84+ | Sand and gravel | 6.7 | 10- 8-64 | 100 | 15.5 | 1 | 6.4 | Test | Drilled to 84 ft depth; pulled back to 40 ft. L. |
| Ps 113 | 412921N720433.2 | do | 1953? | 71 | Drl? | 100.2 | 2 | 0-100± | -- | Sand and gravel | 70.0 | 12-15-64 | -- | -- | -- | -- | Test | |
| Ps 114 | 412826N720354.1 | William Duff | | 50 | Drl | 72 | 6 | 0-66 | 72+ | Sand | 45 | | 20 | -- | 4± | -- | Dom | Finished with 6 ft of 6-inch slotted casing at 66 to 72 ft depth. |
| Ps 115 | 412929N715858.1 | Country Squire Water Co. | 1960 | 120 | Drl | 96 | 6 | -- | 15 | Bedrock | 15± | -60 | 50± | 60- | 48 | .8± | PS | Located at thrust fault. Supplied about 100 people with about 6,500 gpd in 1964. C. L. |
| Ps 116 | 412945N720107.1 | Steven E. Wasson | 1947 | 200 | Drl | 60 | 6 | -- | 24 | Bedrock | 19± | -47 | 2 | 40 | .25 | .05 | Dom | Yield inadequate; supply supplemented by Ps 117. Water hard; softened. C. |
| Ps 117 | 412945N720107.2 | do | | 199 | Dug | 20 | 30 | 0-20± | -- | Till | 14.0 | 7-19-65 | 1- | 15 | 12± | .06 | Dom | Yield inadequate; supplements Ps 116. C. |
| Ps 118 | 413101N720106.1 | Henry Piszczek | 1942± | 252 | Drl | 64 | 6 | -- | 19± | Bedrock | 10 | -58 | 13 | 53 | .75 | .24 | Agr<br>Dom | Supplies 4 people and 30 cows; may be inadequate.<br>Water hard; softened and treated for iron. C. |
| Ps 119 | 413049N720055.1 | Chester Izbcki | 1954± | 208 | Drl | 75 | 6 | 0-8 | 7 | Bedrock | 4 | -54 | 10± | 56- | 1 | .2+ | Dom | Supplies 2 people; adequate. C. |
| Ps 120 | 413005N720101.1 | Mrs. Beatrice Rivers | 1955 | 154 | Drl | 142± | 6 | 0-10 | -- | Bedrock | 30± | 9- -55 | 4 | 110 | .5 | .04 | Dom | Supplies 3 people; adequate. Water high in iron. C. |
| Ps 121 | 413131N720110.1 | Clyde L. Staubley | 1941 | 302 | Drl | 42.3 | 6 | -- | 15 | Bedrock | 17.6 | 7-20-65 | 6 | 23± | 1± | .3 | Dom | Supplies 2 people; inadequate. Water hard and high in iron. C. |
| Ps 130 | 412936N720302.1 | Allan Stanton | 1957 | 30 | Drl | 105 | 6 | 0-41 | 41 | Bedrock | 32 | 12-17-57 | 4.5 | 41 | 1 | .11 | Dom | |
| Ps 131 | 412933N720305.1 | J. L. Williams & Winifred Hawkes | 1959 | 40 | Drl | 65 | 6 | 0-32 | 30 | Bedrock | 11 | 1- 1-59 | 5 | 49 | 1 | .10 | Dom | |
| Ps 132 | 412936N720304.1 | Lee Yonts | 1957 | 40 | Drl | 102 | 6 | 0-26 | 26 | Bedrock | 25 | 11-22-57 | 2 | 23 | 1 | .09 | Dom | C. |
| Ps 133 | 412911N720321.1 | Warren Scharmer | 1957 | 50 | Drl | 51 | 6 | 0-46 | -- | Sand | 26 | 9- 4-57 | 4 | 14 | 1 | .3 | Dom | Finished with 5 ft of 6-inch screen (32 slot) at 46 to 51 ft depth. |
| Ps 134 | 412831N720353.1 | Albert Koziol | 1956 | 48 | Drl | 56 | 6 | 0-50 | 56 | Sand | 46 | 1-14-56 | 5 | -- | 6 | -- | Dom | Finished with 6 ft of 6-inch screen (32 slot) at 50 to 56 ft depth. |
| Ps 136 | 413105N715826.1 | Mrs. Chester Polomski | 1965 | 150 | Drl | 170 | 6 | 0-81 | 75 | Bedrock | 15 | 7-29-65 | 2 | 155 | 4 | .01 | Dom | |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Salem | | | | | | | | |
| Sm 2 | 412950N721333.1 | George O. Gadbois | 1942± | 422 | Drl | 150 | 6 | 0-54 | -- | Bedrock | -- | | 1 | -- | -- | -- | Dom? | Deepened from 125 ft depth after pumping sand. |
| Sm 3 | 412950N721333.2 | do | | 422 | Dug | 18 | 36 | 0-18 | -- | Sand and gravel | 12 | | 20 | 5 | 2 | 4.0 | Agr? | |
| Sm 4 | 412935N721337.1 | Jack Cooper | 1958 | 424 | Dug | 33 | 96 | -- | 33+ | Sand and gravel | 9± | 7- -58 | -- | -- | -- | -- | Test | L. |
| Sm 5 | 412938N721343.1 | do | 1900± | 413 | Dug | 12 | 42 | 0-12 | -- | Sand and gravel | 6 | -65 | 14 | 4 | .4 | 3.6 | Dom | Supplied 5 people; adequate. |
| | | | | | | | | | | Town of Stonington | | | | | | | | |
| Sn 1 | 412243N715059.1 | T. P. Curtain | 1951 | 180 | Drl | 59 | 6 | -- | 13 | Bedrock | 10 | 4- -51 | 4 | -- | -- | -- | Dom | Supplies 5 people. Adequate. |
| Sn 2 | 412245N715056.1 | Harry Buckley | 1951 | 180 | Drl | 80 | 6 | -- | 5 | Bedrock | -- | | 3.5 | -- | -- | -- | -- | |
| Sn 5 | 412259N715122.1 | Oliver Coto | 1950 | 130 | Drl | 58 | 6 | -- | 7 | Bedrock | 11± | | 7.5 | -- | -- | -- | -- | At contact of two formations. |
| Sn 6 | 412259N715157.1 | James Critcherson | 1949 | 85 | Drl | 58 | 6 | -- | 15 | Bedrock | -- | | 4.5 | -- | -- | -- | -- | At contact of two formations. |
| Sn 7 | 412308N715058.1 | John Garelorv | 1949 | 115 | Drl | 76 | 6 | -- | 18 | Bedrock | -- | | 7.5 | -- | -- | -- | -- | At contact of two formations. |
| Sn 8 | 412253N715320.1 | R. C. Perkins | 1948 | 180 | Drl | 80 | 6 | -- | 50 | Bedrock | 20± | | 12 | -- | -- | -- | Dom Agr | Water level estimated from measurement in dug well 75 ft away (21.4 ft, 11-25-52). C. |
| Sn 9 | 412042N715042.1 | Lawrence Bagley | 1949 | 40 | Drl | 75 | 6 | -- | 25 | Bedrock | 13.4 | 11-25-52 | 10? | -- | -- | -- | Dom | Adequate. Published in Watch Hill Quad, R.I.-Conn. GWM 14. |
| Sn 10 | 412040N715726.1 | Clifford Brown | 1950 | 35 | Drl | 112 | 6 | -- | 6 | Bedrock | -- | | 3 | -- | -- | -- | Dom | Supplies 3 people. Adequate. C. |
| Sn 11 | 412420N715638.1 | Wilmer Whitford | 1948 | 135 | Drl | 74 | 6 | -- | 28 | Bedrock | -- | | 3 | -- | -- | -- | -- | |
| Sn 12 | 412436N715622.1 | Henry Moore | 1947 | 150 | Drl | 48 | 6 | 0-48? | -- | Sand and gravel | 10 | | -- | -- | -- | -- | Dom | Supplies 2 people. Adequate. |
| Sn 14 | 412449N715614.1 | Mario Panciera | 1938 | 180 | Drl | 55 | 6 | -- | -- | Bedrock | 11± | 4- -38 | 15 | -- | -- | -- | Dom | |
| Sn 15 | 412459N715615.1 | John Singer | | 195 | Drl | 60 | 6 | -- | 10± | Bedrock | 10± | | 15+ | -- | -- | -- | Dom | Supplies 6 people. Adequate. |
| Sn 16 | 412504N715608.1 | Frank Panciera | 1939 | 190 | Drl | 34 | 6 | -- | 9 | Bedrock | 11 | | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Sn 17 | 412506N715610.1 | Marge Armstrong | 1944 | 195 | Drl | 60 | 6 | -- | 18± | Bedrock | 10± | 10- -44 | -- | -- | -- | -- | Dom | Supplies 3 people. Adequate. |
| Sn 18 | 412511N715603.1 | Joseph Parda | | 210 | Drl | 49 | 6 | -- | 20± | Bedrock | 9± | | -- | -- | -- | -- | Dom | Adequate. |
| Sn 19 | 412426N715634.1 | Richard White | 1952 | 140 | Drl | 66 | 6 | -- | 54 | Bedrock | 27.0 | 11-26-52 | 15+ | -- | -- | -- | Dom | Adequate. |
| Sn 20 | 412030N715341.1 | John Victoria | 1951 | 20 | Drl | 42 | 6 | -- | 5 | Bedrock | 15 | -51 | 45 | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Sn 21 | 412027N715342.1 | Irving Beauchamp | 1950 | 30 | Drl | 43 | 6 | -- | 7 | Bedrock | 30? | -50 | 3+ | -- | -- | -- | Dom | Supplies 3 people. Adequate. |
| Sn 22 | 412027N715409.1 | Stonington Auto Station | 1951 | 20 | Drl | 48 | 6 | -- | 3 | Bedrock | 21 | -51 | 7+ | -- | -- | -- | Com | Supplies garage. Adequate. C. |
| Sn 23 | 412034N715351.1 | Thomas Goulart | 1951 | 20 | Drl | 52 | 6 | -- | 16 | Bedrock | -- | | 6 | -- | -- | -- | Com | Supplies garage. High iron content, unpotable. C. |
| Sn 24 | 412200N715513.1 | Carl Thompson | 1950 | 80 | Drl | 85 | 6 | -- | 20 | Bedrock | -- | | 3 | -- | -- | -- | Dom | |
| Sn 32 | 412418N715739.1 | John Ackley | | 45 | Dug | 9.5 | 36 to 24 | -- | -- | Sand and gravel | 8.3 | 7-20-45 | -- | -- | -- | -- | Dom | |
| Sn 39 | 412014N715016.1 | David & John Parker | 1958 | 17 | Drl | 48 | 6½ | -- | 15 | Bedrock | 11 | 6-14-58 | 1.5 | -- | -- | -- | Dom | Published in Watch Hill Quad, R.I.-Conn. GWM 14. |
| Sn 40 | 412014N715016.2 | do | 1957 | 18 | Drl | -- | 6 | -- | 0? | Bedrock | 20 | 2- 7-57 | 3 | 15 | -- | .20 | Dom | Probably saline. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 41 | 412011N715019.1 | E. Brown | | 10 | Dug | 13.2 | 36 | -- | -- | Till | 6 | 4-27-60 | -- | -- | -- | -- | Dom | Supplies 4 people. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 42 | 411956N715055.1 | Stanley Anzoski | | 5 | Dug | 10 | 36 | -- | -- | Sand and gravel | 4.6 | 4-27-60 | -- | -- | -- | -- | Dom | Reported to have offensive odor; unused. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 43 | 412005N715027.1 | A.G. Stillman | 1937 | 20 | Drl | 86 | 4 | -- | 4 | Bedrock | -- | | 5 | -- | -- | -- | Dom | Main water at 60 ft depth. Supplies 2 people. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 44 | 411938N715141.1 | Victor Fontaine | 1957 | 45 | Drl | 56 | 6 | 0-30 | 25 | Bedrock | 13 | 6- 8-57 | 4.5 | 43 | -- | .10 | Dom | Supplies 6 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 45 | 411936N715140.1 | Robert W. Goff | 1957 | 30 | Drl | 68 | 6 | -- | 6 | Bedrock | 9.4 | 4-27-60 | 2 | 58 | -- | .03 | Dom | Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 46 | 411931N715140.1 | J. B. Wills | 1960 | 40 | Drl | 46 | 6 | 0-32 | 29 | Bedrock | 22.9 | 4-27-60 | -- | -- | -- | -- | Dom | Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 47 | 411932N715136.1 | R. Watts | 1956 | 40 | Drl | 265 | 6 | -- | 30 | Bedrock | 30 | 5-15-56 | 20 | 130 | 8 | .15 | Dom | Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 48 | 412021N715028.1 | William Thurston | 1955 | 35 | Drl | 63 | 6 | 0-10 | 7 | Bedrock | 20 | 7-16-55 | 3 | 10 | -- | .30 | Dom | Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 49 | 412025N715031.1 | Donald Fisher | 1956 | 35 | Drl | 115 | 6 | 0-30 | 20 | Bedrock | 6 | 5- 1-56 | 10 | 94 | 3 | .11 | Dom | Supplies 5 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 50 | 412022N715031.1 | Claude Maine | 1956 | 42 | Drl | 86 | 6 | -- | 7 | Bedrock | 20 | 5-28-56 | 3 | -- | -- | -- | Dom | Supplies 3 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 51 | 412009N715127.1 | State of Connecticut | | 20 | Dug | 17.0 | 36 | -- | -- | Till | 9.3 | 4-27-60 | -- | -- | -- | -- | Dom | Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 52 | 412042N715110.1 | G. R. Stewart | | 60 | Dug | 22.5 | 48 | -- | 22 | Till | 13.1 | 4-27-60 | -- | -- | -- | -- | Dom Agr | Supplies 3 people and 20 cattle. Adequate. High iron content. Published in Watch Hill Quad, R. I. - Conn. GWM 14. |
| Sn 53 | 412058N715045.1 | Alexander Martell | 1960 | 38 | Drl | 38 | 6 | -- | 30 | Bedrock | 8 | -60 | 10 | -- | -- | -- | Dom | |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Stonington--Continued | | | | | | | | |
| Sn 54 | 412131N715229.1 | Ernest Cravinho | 1955 | 55 | Drl | 82 | 6 | -- | 46 | Bedrock | 8 | 9-20-55 | 5.5 | -- | -- | -- | Dom | Supplies 5 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. C. |
| Sn 55 | 412122N715212.1 | A. Medeiros | | 62 | Dug | 16.4 | 30 | -- | -- | Till | 9.3 | 4-28-60 | -- | -- | -- | -- | Dom | Supplies 6 people. Inadequate in summer. Published in Watch Hill Quad, R.I. - Conn. GWM 14. C. |
| Sn 56 | 412117N715139.1 | W. H. Siegal | | 78 | Dug | 14.1 | 40 | -- | -- | Till | 6.6 | 4-28-60 | -- | -- | -- | -- | Dom | Supplies 3 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 57 | 412108N715111.1 | S. Zaremba, Jr. | | 13 | Dug | 13 | 30 | -- | -- | Till | 4.7 | 4-28-60 | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 58 | 412107N715054.1 | D. Zaremba | 1952 | 90 | Drl | 118 | 6 | -- | 25 | Bedrock | -- | | 3 | -- | -- | -- | Dom | Supplies 6 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. C. |
| Sn 59 | 412024N715223.1 | State of Connecticut | | 5 | Dug | 6.5 | -- | -- | -- | Till | 2.6 | 4-28-60 | -- | -- | -- | -- | -- | Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 60 | 412042N715215.1 | do | | 30 | Dug | 20 | 36 | -- | -- | Till | 15.0 | 4-28-60 | -- | -- | -- | -- | -- | Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 61 | 412047N715001.1 | H.C. Minor, Sr. | | 10 | Drl | 42 | 8 | -- | 8 | Bedrock | 8 | | 10 | -- | -- | -- | Dom | Supplies 9 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 62 | 412101N715022.1 | E. F. Rittenhouse | | 13 | Dug | 16.5 | 42 | -- | -- | Sand and gravel | 12.7 | 4-28-60 | -- | -- | -- | -- | -- | Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 63 | 412112N715026.1 | H. D. Burnham | | 16 | Dug | 8.6 | 36 | -- | -- | Sand and gravel | 4.6 | 4-28-60 | -- | -- | -- | -- | -- | Supplied 5 people and 10 cattle. Inadequate every summer; abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 65 | 412131N715053.1 | E. Moffitt | | 50 | Dug | 13.0 | 30 | -- | -- | Till | 6.7 | 4-28-60 | -- | -- | -- | -- | Dom | Supplies 6 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 66 | 412054N715033.1 | F. Goss | 1942 | 55 | Drl | 53 | 6 | -- | 0 | Bedrock | -- | | 5 | -- | -- | -- | Dom | Supplied 4 people. Inadequate in dry years. C. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 67 | 412220N715217.1 | Donald Banker | 1959 | 110 | Drl | 81 | 6 | -- | 42 | Bedrock | 14 | 6-17-59 | 10 | -- | -- | -- | Dom | Supplies 4 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 68 | 412156N715207.1 | A. Kellegeher | 1958 | 37 | Drl | 59 | 6 | 0-27 | 20 | Bedrock | 12 | 9-27-58 | 3 | 43 | 4 | 0.07 | Dom | Supplies 2 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. L. |
| Sn 69 | 412204N715200.1 | George Lee | | 29 | Dug | 14.0 | 36 | -- | -- | Till | 7.5 | 4-29-60 | -- | -- | -- | -- | Dom | Supplies 2 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 70 | 412142N715124.1 | Town of Stonington | | 25 | Drl | 95 | 6 | -- | -- | Bedrock | 5.5 | 4-29-60 | 5 | -- | -- | -- | Inst | Deepened from 46 ft depth. Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 71 | 412211N715133.1 | J. Pondola | 1956 | 40 | Drl | 90 | -- | -- | 3 | Bedrock | -- | | -- | -- | -- | -- | Dom | Supplies 7 people. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. C. |
| Sn 72 | 412222N715111.1 | Ubald Ravenelle | | 50 | Dug | 23 | 36 | -- | -- | Till | 12.5 | 4-29-60 | -- | -- | -- | -- | Dom | Supplied 11 people. Adequate. Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 73 | 412203N715036.1 | Philip New bury | | 80 | Dug | 13 | 36 | -- | -- | Till | 2.8 | 4-29-60 | -- | -- | -- | -- | -- | Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 74 | 412052N715031.1 | E. Charest | | 45 | Dug | 18.5 | 36 | -- | -- | Till | 10.3 | 4-28-60 | -- | -- | -- | -- | Dom | Supplies 2 people. Inadequate in 1953. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 75 | 412222N715113.1 | E. Morgan | 1943 | 47 | Drl | 77 | 6 | -- | 19 | Bedrock | -- | | 15 | -- | -- | -- | Dom? | Supplies 8 families. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 76 | 412216N715123.1 | W. E. Modingor | 1955 | 35 | Dug | 9.5 | 30 | -- | -- | Sand and gravel | 1.2 | 4-29-60 | -- | -- | -- | -- | Dom Com | Supplied dairy bar and 2 houses. Adequate. Abandoned. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 77 | 412147N715224.1 | W. Devaney | | 20 | Dug | 13.1 | 40 | -- | -- | Sand and gravel | 7.2 | 4-29-60 | -- | -- | -- | -- | Dom | Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 78 | 412205N715142.1 | Town of Stonington | 1924 | 38 | Dug | 15.1 | 36 | -- | 15? | Till | 11.1 | 5- 2-60 | -- | -- | -- | -- | Dom | Supplies 1 person. Adequate. Published in Watch Hill Quad, R.I. - Conn. GWM 14. |
| Sn 80 | 412156N715157.1 | Joseph Cangelosi | 1959 | 20 | Drl | 180 | 6 | -- | 22 | Bedrock | 10± | -59 | -- | -- | -- | -- | None | Situated near Sn 142. Flowed when drilled. Yield inadequate; abandoned. |
| Sn 96 | 412130N715254.1 | A. J. Pont | | 10 | Drl | 65 | -- | -- | 65+ | Sand | -- | | 9 | -- | -- | -- | -- | |
| Sn 99 | 412153N715417.1 | Mrs. P.W. Cottrell | | 110 | Drl | 166 | 6 | -- | 50± | Bedrock | 20 | -62 | 10 | -- | -- | -- | -- | Situated near contact of two formations. |
| Sn 103 | 412158N715341.1 | Pine Point School | 1956 | 104 | Drl | 182 | 6 | -- | 54 | Bedrock | 30 | -62± | 24 | 60 | 8 | .40 | -- | |
| Sn 110 | 412141N715410.1 | Jacques Wimpheimer | 1952 | 110 | Drl | 120 | 6 | 0-42 | 35 | Bedrock | -- | | 6+ | -- | -- | -- | -- | C. |
| Sn 121 | 412105N715538.1 | K. B. Tate | | 126 | Drl | 161 | 6 | 0-40 | 35± | Bedrock | 15 | | -- | -- | -- | -- | -- | |
| Sn 122 | 412106N715534.1 | C. T. Noyes | | 114 | Drl | 75 | 6 | 0-31 | 26 | Bedrock | -- | | 5 | -- | -- | -- | -- | |
| Sn 126 | 412300N715746.1 | Richard Grover | 1946± | 16 | Drl | 125 | -- | 0-125 | -- | Sand and gravel | 11 | -46± | -- | -- | -- | -- | -- | L. |
| Sn 127 | 412105N715310.1 | Ernest Duke | 1961 | 8 | Drv | 14 | 2 | 0-12 | 17 | Sand | 6 | -61 | 10 | 7- | -- | 1.0± | Dom | Supplies 7 people. Adequate. |
| Sn 128 | 412102N715718.1 | Emilio M. Pradel | 1959 | 8 | Dug | 9.2 | 30 | -- | 10+ | Sand | 7.8 | 8- 8-63 | -- | -- | -- | -- | Dom | Supplies 6 people. Adequate. C. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Stonington--Continued | | | | | | | | |
| Sn 129 | 412123N715708.1 | L. Novack | 1957 | 12 | Dug | 12.6 | 30 to 24 | 0-13 | -- | Unconsolidated deposit | 6.3 | 8- 8-63 | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Sn 130 | 412109N715615.1 | John Burdick | 1931± | 8 | Dug | 8.6 | 30 | -- | -- | Sand | 7.3 | 8- 8-63 | 1 | -- | -- | -- | Dom | Water level fluctuates with tides. Supplies 5 people. Adequate. C. |
| Sn 131 | 412033N715620.1 | Franklin Rich | pre-1900 | 8 | Dug | 6.0 | 24 | -- | -- | Sand | 3.5 | 8- 8-63 | -- | -- | -- | -- | Dom | Supplies 3 people. Adequate. |
| Sn 132 | 412040N715603.1 | Robert G. Schausse | 1957 | 10 | Drl | 25 | 6 | -- | 5 | Bedrock | 6 | -57 | -- | -- | -- | -- | Dom | Supplies 2 people. Adequate. |
| Sn 133 | 412026N715558.1 | Kelems Co., Inc. | 1956 | 21 | Drl | 127 | 6 | 0-30 | 20 | Bedrock | 5 | 7-31-63 | 10 | 68 | 7 | 0.15 | Ind | Supplies 120 employees and cable grip plant. Adequate. C. |
| Sn 134 | 412139N715125.1 | Town of Stonington | 1962 | 22 | Dug | 7.8 | 30 | 0-8± | -- | Till | 6.0 | 8-20-63 | -- | -- | -- | -- | Inst | Packed with gravel and stone, 36 inches thick, to 13 ft depth. Quality unsuitable for picnic area supply. |
| Sn 135 | 412156N715105.1 | do | 1962 | 30 | Dug | 10.7 | 30 | 0-11± | -- | Sand and gravel | 8.0 | 8-20-63 | -- | -- | -- | -- | Inst | Packed with gravel and stone, 36 inches thick, to 13 ft depth. L. |
| Sn 136 | 412142N715124.2 | do | 1963 | 24 | Drl | 85 | 6 | 0-21 | -- | Bedrock | 5± | | -- | -- | -- | -- | Inst | Water level estimated from nearby Sn 70. Supplies public picnic area. |
| Sn 137 | 412106N715019.1 | Fred Maloney | pre-1900 | 8 | Dug | 9.1 | 26 | 0-10± | -- | Sand and gravel | 7.6 | 8-13-63 | -- | -- | -- | -- | -- | Unused. |
| Sn 138 | 412000N715041.1 | John Bailey, Sr. | 1958 | 6 | Dug | 12.2 | 30 | 0-12+ | -- | Sand and gravel | 5.0 | 8-13-63 | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Sn 139 | 411958N715049.1 | Russell Stevens | 1950 | 5 | Dug | 8.1 | 24 | 0-8+ | -- | Sand and gravel | 5.7 | 8-13-63 | -- | -- | -- | -- | Dom | Supplies 8 people. Adequate. C. |
| Sn 140 | 412218N715131.1 | George Chamber | 1954 | 40 | Dug | 21.0 | 24 | 0-21 | -- | Sand and gravel | 17.1 | 8-13-63 | 15± | 5± | -- | 3.0± | Dom | Supplies 5 people. Adequate. |
| Sn 141 | 412152N715205.1 | Thomas Bolton | 1959 | 25 | Drv | 35 | 1½ | 0-35 | -- | Till | 3 | -59 | 6± | 33± | 8± | .2 | Dom | Supplied 6 people. Inadequate and high iron content; abandoned. |
| Sn 142 | 412156N715157.2 | Joseph Cangelosi | 1959 | 20 | Drv | 18 | 1¼ | 0-18 | 19 | Sand and gravel | 4± | -59 | 15+ | -- | 4+ | -- | Com | Situated near Sn 80. Supplies office, store, and 4 additional people. Adequate. |
| Sn 143 | 412143N715225.1 | Frank and Stanley Prachniak | 1957± | 15 | Dug | 7.4 | 30 | -- | -- | Sand and gravel | 3.7 | 8-14-63 | -- | -- | -- | -- | Com | Supplies concrete mixer and 5 people, except for drinking water. Adequate. |
| Sn 144 | 412133N715028.1 | Thomas J. Capalbo | 1857 | 18 | Dug | 18.6 | 24 | 0-18+ | -- | Sand and gravel | 17.9 | 8-14-63 | -- | -- | -- | -- | Dom | Abandoned. |
| Sn 145 | 412219N715113.1 | Henry Joseph Richards | 1953 | 50 | Dug | 16.2 | 24 | -- | -- | Till | 14.3 | 8-14-63 | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. |
| Sn 146 | 412318N715733.1 | Sirtex Printing | 1958 | 4 | Drv | 22 | 1½ | 0-22 | -- | Sand and gravel | 3± | | 6 | -- | -- | -- | Ind | Supplies 600 gpd. Adequate. |
| Sn 147 | 411935N715125.1 | George Miller | 1958 | 31 | Drl | 60 | 6 | 0-20 | -- | Bedrock | -- | | 15 | -- | -- | -- | Dom | Yield 5 gpm at 30 ft depth. Supplies 5± people. Adequate. |
| Sn 148 | 411935N715125.1 | do | 1962 | 40 | Drl | 130 | 6 | 0-35 | -- | Bedrock | 20 | -62 | 3.5 | 110 | 9 | .03 | Dom | Supplies guest house. C. |
| Sn 149 | 412441N715705.1 | Albert M. Payne | 1962 | 72 | Drl | 24 | 8 | 0-14 | -- | Sand and gravel | 5 | -62 | 150 | 15 | 10 | 10.0 | PS | Gravel packed and finished with 10 ft of 8-inch screen (40 slot) at 14 to 24 ft depth. High manganese content. Treated by filtration and chlorination. C. |
| Sn 154 | 412452N715611.1 | Cranston Realty Co., Inc. (Arlington Acres Mobile Home Park) | 1960 | 185 | Drl | 165 | 6 | 0-27 | 21 | Bedrock | 10.7 | 8- 6-64 | 11 | 115 | 48 | .10 | PS | Drilled to 220 ft, pulled back to 165 ft. Supplies 1,000-gpd. Formerly supplied 52 trailers. C. |
| Sn 155 | 412452N715557.1 | do | 1962 | 155 | Drl | 29 | 8 | 0-19 | -- | Sand and gravel | 2.4 | 8- 6-65 | 200 | 4 | 8 | 50.0 | PS | Finished with 10 ft of 70-slot screen at 19 to 29 ft depth. Supplies 125 trailers. C. |
| Sn 156 | 412306N715553.1 | Mystic Valley Water Co., Inc. | 1957 | 59 | Drl | 46.2 | 24 | -- | -- | Sand and gravel | 4.2 | 8-12-64 | 300 | 14 | 8 | 21.4 | PS | Gravel packed. Standby well used if reservoir levels decline. Supplied 350,000 gpd for 3 months in 1964 and 5 months in 1965. |
| Sn 157 | 412016N715543.1 | Lord's Point Assoc., Inc. | 1934 | 12 | Drl | 132 | 8 | -- | 10± | Bedrock | 10± | -34 | 50 - 75 | -- | 72 | -- | PS | Supplies 400± people with 35,000 - 40,000 gpd 7 to 8 months of year. Brackish for first time in fall of 1964. |
| Sn 158 | 412359N715522.1 | John Groton, Jr. | 1965 | 162 | Drl | 196 | 6 | 0-104 | 96 | Bedrock | 30 | 5-24-65 | 11 | 155 | -- | .07 | Dom | Yield 4 gpm at 184 ft depth. Now well to supplement Sn 160. |
| Sn 159 | 412359N715522.2 | do | 1962 | 162 | Drl | 100? | 6? | -- | 96? | Bedrock | -- | | -- | -- | -- | -- | Dom | Drilled in dug well. Yield inadequate; destroyed. |
| Sn 160 | 412359N715519.1 | do | 1962 | 172 | Drl | 197 | 6 | -- | 110 | Bedrock | -- | | 8 | -- | -- | -- | Agr Dom | Supplies 30 cows; also supplied one family until supplemented by Sn 158; adequate. Water hard. |
| Sn 161 | 412355N715514.1 | do | 1955± | 165 | Drl | 114 | 6 | -- | 48± | Bedrock | -- | | 6 | -- | -- | -- | Inst | Drilled for school. Never used. |
| Sn 162 | 412118N715717.1 | W. H. Cochran | 1964 | 148 | Drl | 256 | 8 | 0-63 | 58 | Bedrock | 33 | 8- -64 | 8 | 217 | 78 | .04 | Dom | Water hard and high in iron; softened and filtered. |
| Sn 163 | 412454N715717.1 | Mystic Valley Water Co., Inc. | 1968 | 58 | Drl | 75 | 18 | 0-60 | -- | Sand and gravel | 4 | 3- -68 | 880 | 42.6 | 235 | 20.7 | PS | Gravel packed and finished with 15 ft of screen. |
| | | | | | | | | | | Town of Voluntown | | | | | | | | |
| Vo 90 | 413259N714904.1 | Emil Koski | pre-1954 | 460 | Dug | 6.5 | 30 - 24 | -- | -- | Till | 2.5 | 4- 7-59 | -- | -- | -- | -- | Agr Dom | Supplies 2 families and 2,200 chickens; adequate; |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Voluntown--Continued | | | | | | | | |
| Vo 91 | 413206N714843.1 | Conn. State Park and Forest Commission | pre-1800 | 320 | Dug | 10.0 | -- | -- | -- | Till | 2.0 | 4- 7-59 | -- | -- | -- | -- | PS | Supplies drinking water for park; inadequate in fall of 1957. |
| Vo 108 | 413113N714900.1 | Howard Robie | | 434 | Dug | 14.9 | 40 | -- | -- | Till | 7.7 | 4-14-59 | -- | -- | -- | -- | Dom | Adequate except in summer of 1957 when water level declined to 13.2 ft. |
| | | | | | | | | | | Town of Waterford | | | | | | | | |
| Wt 1 | 412053N720954.1 | F. Maynard | 1957 | 160 | Drl | 97 | 6¼ | 0-22 | 15 | Bedrock | 20 | 4- 3-57 | 3 | -- | -- | -- | Dom | Adequate. C. |
| Wt 2 | 412120N720935.1 | J. D. Jennings | 1955 | 185 | Drl | 75 | 6 | 0-17 | 17 | Bedrock | 21 | 11-17-55 | 3 | -- | -- | -- | Dom | Adequate. C. |
| Wt 3 | 412116N720947.1 | Mr. Frankcan | 1956 | 182 | Drl | 50 | 6 | 0-30 | 20 | Bedrock | 20 | 8- 9-56 | 2 | 20 | 2 | 0.10 | Dom | |
| Wt 5 | 411823N720714.1 | James R. Hammond | | 12 | Dug | 17± | -- | -- | -- | Sand and gravel | 3.0 | 4-16-65 | -- | -- | -- | -- | Dom | Supplies water for lawn. C. |
| Wt 6 | 411823N720714.2 | do | | 12 | Dug | 14.0 | 30 | 0-14± | -- | Sand and gravel | 9.6 | 7-18-63 | -- | -- | -- | -- | -- | Brackish; abandoned. |
| Wt 7 | 411839N720655.1 | David Clark, Jr. | 1951 | 18 | Dug | 11.0 | 24 | -- | -- | Sand | 5.4 | 7-18-63 | 6.5 | 6.5 | 2 | 1.0 | Dom | Supplies 8 people. Adequate. C. |
| Wt 8 | 411837N720655.1 | do | 1957 | 17 | Dug | 11.4 | 36± | -- | -- | Sand | 3.8 | 7-18-63 | 6± | -- | 2 | -- | Agr | Supplied water for irrigating nursery. Contaminated by leak from gas tank; abandoned. |
| Wt 9 | 412048N720827.1 | Mystic Oil Co. | | 36 | Dug | 23.2 | 36 | -- | -- | Sand and gravel | 21.8 | 7-23-63 | -- | -- | -- | -- | Com | Supplies filling station, store, and 15 people. Adequate. |
| Wt 10 | 412034N720753.1 | Board of Education (Jordan School) | pre-1918± | 44 | Drl | 65± | 5 | -- | -- | Bedrock | 19.6 | 8- 9-63 | -- | -- | -- | -- | Inst | Public supply introduced; abandoned. U.S.G.S. observation well. |
| Wt 11 | 411848N720801.1 | Board of Education (Great Neck School) | 1919± | 92 | Drl | 300-400 | 6 | 0-30± | -- | Bedrock | 10 | | 8± | -- | -- | -- | Inst | Supplied 2,000 gpd. Public supply introduced; unused. |
| Wt 12 | 411959N721002.1 | Board of Education (Southwest School) | 1957 | 112 | Drl | 298 | 6 | 0-18 | 9 | Bedrock | 18 | 7-26-57 | 18 | 200 | 8 | .09 | Inst | Supplies 560 pupils. Adequate. C. |
| Wt 13 | 412235N720827.1 | Board of Education (Cohanzie School) | 1921 | 204 | Drl | 140 | 6 | 0-17 | 16 | Bedrock | 43 | 7-29-37 | -- | -- | -- | -- | Inst | Situated near contact of two formations. Supplies 485 pupils and employees. Adequate. C. |
| Wt 14 | 412406N720649.2 | Board of Education (Quaker Hill School) | 1912± | 40 | Drl | 70± | 5 | 0-29 | 23 | Bedrock | 25.4 | 8-19-63 | -- | -- | -- | -- | Inst | Supplied 380 pupils and employees. Polluted; abandoned. |
| Wt 15 | 412406N720649.3 | do | 1961 | 44 | Drl | 300 | 6 | -- | 12 | Bedrock | -- | | 0 | -- | -- | -- | -- | No yield; destroyed. |
| Wt 16 | 412402N720653.1 | do | 1962 | 52 | Drl | 28 | 6 | -- | 28 | Sand and gravel | -- | | -- | -- | -- | -- | Test | Insufficient thickness of saturated surficial deposit above bedrock; destroyed. |
| Wt 17 | 412406N720649.1 | do | 1962 | 40 | Drl | 240 | 6 | 0-26 | 11 | Bedrock | 16 | -62 | 11 | -- | -- | -- | Inst | Supplies 380 pupils and employees. Adequate. C. |
| Wt 18 | 412404N720658.1 | do | 1962? | 28 | Dug | 10± | 225 | 0-10± | -- | Till | 2 | -62? | -- | -- | -- | -- | -- | Inadequate; destroyed. |
| Wt 19 | 412129N720812.1 | Pauline Settle | | 44 | Dug | 11.9 | 27 | -- | -- | Sand and gravel | 10.0 | 7-24-63 | -- | -- | -- | -- | Dom | Public supply introduced; abandoned. |
| Wt 20 | 412128N721026.1 | Florence Hendrickson | pre-1932? | 24 | Drl | 32.1 | 6 | -- | -- | Sand and gravel | 17.7 | 7-24-63 | -- | -- | -- | -- | Dom ind | Supplies 10 people and 600 gpd for industrial use. |
| Wt 21 | 412222N721127.1 | Sigmund Kupis | pre-1956 | 18 | Dug | 15.7 | 24 | -- | -- | Sand and gravel | 10.5 | 7-24-63 | -- | -- | -- | -- | Dom | Supplies 4 people. Adequate. C. |
| Wt 22 | 412018N720657.1 | Wallace Giachello | 1957 | 85 | Drl | 178 | 6 | 0-22 | 15 | Bedrock | 12 | -57 | 1 | -- | -- | -- | Dom | Supplies 8 people. Adequate. L. |
| Wt 23 | 412030N720735.1 | George Wanat | 1954± | 65 | Drl | 125 | 6 | 0-31 | 13 | Bedrock | 12 | -54± | 8+ | -- | -- | -- | Com | Supplies 16 people and bank. Adequate. C. |
| Wt 24 | 412300N720932.1 | Albert Philopena | 1959 | 108 | Drv | 20 | 2 | 0-20 | -- | Sand and gravel | 12 | 1- -59 | 5 | 5± | 8 | 1.0± | Com | Supplies 6 people in office. High iron (?) content. |
| Wt 25 | 411823N720714.3 | James R. Hammond | | 12 | Drl | 22.4 | 6 | -- | -- | Unknown | 9.4 | 11-15-37 | -- | -- | -- | -- | Obs | U.S.G.S. observation well. Destroyed. |
| Wt 26 | 412146N720853.1 | Town of Waterford | 1963 | 52 | -- | 43 | 2½ | 0-37 | -- | Silt and clay | 2 | 12- 2-63 | -- | -- | -- | -- | Test | Four 2½-inch test wells at this site. Casing perforated at 37 to 42 ft depth. Destroyed. |
| Wt 27 | 412144N720852.1 | do | 1963 | 52 | -- | 37 | 2½ | 0-32 | -- | Silt and clay | 2 | 12- 3-63 | -- | -- | -- | -- | Test | Casing perforated at 32 to 37 ft depth. Destroyed. L. |
| Wt 28 | 412141N720850.1 | do | 1963 | 52 | -- | 37 | 2½ | 0-32 | -- | Silt and clay | 4 | 12- 4-64 | -- | -- | -- | -- | Test | Casing perforated at 32 ft to 37 ft depth. Destroyed. |
| Wt 29 | 412206N720906.1 | do | 1964 | 64 | Jet | 47 | 2½ | 0-42 | -- | Sand and gravel | .9 | 1-29-64 | 125 | 8.3 | 2 - 53 | 15.0 | Test | Cluster of 6 wells pumped at combined rate of 125 gpm. Casings perforated at 42 to 47 ft depth. L. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Static water level: Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Waterford--Continued | | | | | | | | |
| Wt 30 | 412136N720825.1 | Town of Waterford | 1963 | 39 | -- | 41.0 | 2½ | 0-35 | -- | Sand and gravel | flow | 4-23-64 | -- | -- | -- | -- | Test | Casing perforated at 35 to 40 ft depth. Water level 0.4 ft above land surface 4-23-64. |
| Wt 31 | 412136N720825.2 | do | 1963 | 40 | -- | 40.0 | 2½ | 0-35 | -- | Sand and gravel | flow | 4-23-64 | -- | -- | -- | -- | Test | Casing perforated at 35 to 40 ft depth. Water level 0.3 ft above land surface 4-23-64. |
| Wt 32 | 412144N720830.1 | do | 1963 | 43 | -- | -- | 2½ | -- | -- | Unconsolidated deposit | 3.5 | 4-23-64 | -- | -- | -- | -- | Test | Casing perforated in lowest 5 ft. Destroyed. |
| Wt 33 | 412357N721040.1 | do | 1963 | 173 | Drl | 42.3 | 2½ | -- | -- | Sand and gravel | 3.4 | 5-19-64 | -- | -- | -- | -- | Obs | Casing perforated at 37± to 42± ft depth. |
| Wt 34 | 412357N721041.1 | do | 1963 | 175 | Drl | 42.3 | 2½ | -- | -- | Sand and gravel | 4.5 | 5-19-64 | -- | -- | -- | -- | Obs | Casing perforated at 37± to 42± ft depth. |
| Wt 35 | 412356N721042.1 | do | 1963 | 172 | Drl | 38.8 | 2½ | -- | -- | Sand and gravel | 1.2 | 5-20-64 | -- | -- | -- | -- | Obs | Casing perforated at 34± to 39± ft depth. |
| Wt 36 | 412358N721041.1 | do | 1963 | 186 | Drl | 57.0 | 2½ | -- | -- | Sand and gravel | 14.5 | 5-20-64 | -- | -- | -- | -- | Obs | Casing perforated at 52 to 57 ft depth. |
| Wt 37 | 412357N721042.1 | do | 1963 | 176 | Drl | 38.2 | 2½ | -- | -- | Sand and gravel | 5.1 | 5-20-64 | -- | -- | -- | -- | Obs | Casing perforated at 33± to 38 ft depth. |
| Wt 38 | 412357N721040.2 | do | 1963 | 172 | Drl | 50 | 8 | 0-40 | -- | Sand and gravel | 4 | 1- -64 | 250 | 26 | 101 | 9.6 | Test | Finished with 10 ft of 8-inch screen (60 slot) at 40 to 50 ft depth. Destroyed. L. |
| Wt 39 | 412357N721041.2 | do | 1964 | 175 | Drl | 50 | 8 | 0-40 | 51 | Sand and gravel | 4 | 1- -64 | 180 | 34 | 80 | 5.3 | Test | Finished with 10 ft of screen (60 slot). Destroyed. L. |
| Wt 40 | 412231N721124.1 | do | 1963 | 50 | Drl | 20 | 2½ | 0-15 | -- | Sand and gravel | -- | | -- | -- | -- | -- | Test | Three test wells at this site. Casing perforated at 15 to 20 ft. Destroyed. |
| Wt 41 | 412410N720725.1 | do | 1963 | 57 | Drl | 35.3 | 2½ | 0-33 | -- | Sand and gravel | flow | 5-21-64 | -- | -- | -- | -- | Obs | Casing pulled back from 42 ft depth. Casing perforated at 33 to 38 ft. Flow 1± gpm over casing 1.2 ft above land surface 5-21-64. C. |
| Wt 42 | 412410N720725.2 | do | 1963 | 56 | Drl | 34.8 | 2½ | 0-33 | -- | Sand and gravel | flow | 5-21-64 | -- | -- | -- | -- | Obs | Casing perforated at 33 to 38 ft. Flowed 2± gpm over casing 1.5 ft above land surface 5-21-64. |
| Wt 43 | 412411N720727.1 | do | 1963 | 57 | Drl | 32.4 | 2½ | 0-33 | -- | Sand and gravel | flow | 5-21-64 | -- | -- | -- | -- | Obs | Casing perforated at 33 to 38 ft. Water level 1.0 ft above land surface 5-21-64. |
| Wt 44 | 412410N720725.3 | do | 1963 | 57 | Drl | 42 | 2½ | 0-40 | 42 | Sand and gravel | 2 | 10- -63 | 154 | 12.5 | 84 | 12.3 | Test | Casing pulled back to 39 ft? Casing perforated in lowest 2 ft. Cluster of three to five wells about one foot apart pumped at combined rate of 154 gpm. Drawdown in three nearby wells 6 ft to 14 ft after 84 hrs. Destroyed. L. |
| Wt 45 | 412412N720721.1 | Sherman Gay | 1904 | 69 | Dug | 16.0 | 36 | -- | -- | Sand and gravel | 12.7 | 7-22-64 | -- | -- | -- | -- | Dom | Till overlies sand and gravel. Water level declined during pumping test at Wt 44. Supplies 4 people. Adequate. C. |
| Wt 46 | 412408N720726.1 | Town of Waterford | | 55 | Drl | 24.3 | 2½ | -- | -- | Silt and clay | .6 | 8-11-64 | -- | -- | -- | -- | Test | Yield inadequate. Destroyed. |
| Wt 47 | 411826N720948.1 | Millstone Point Corp., Inc. | | 10 | Dug | 12.3 | 42 | 0-13 | -- | Till | 8.4 | 8-19-64 | 3.5 | 4 | 3-4 | .9 | Ind | Supplies 250± gpd for washing. Distilled sea water supplies potable water; surplus discharged into well. |
| Wt 48 | 412415N720736.1 | Sebastian Muscarella | pre-1946 | 70 | Dug | 10.7 | 24 | 0-12 | -- | Sand and gravel | 7.2 | 9-16-64 | -- | -- | -- | -- | Dom | C. |
| Wt 49 | 412021N720832.1 | American Machine & Foundry Co. (Maxim Division) | | 7 | Dug | 6.5 | 72± | 0-7± | 6± | Sand and gravel | 2.1 | 5-26-65 | -- | -- | -- | -- | Ind | Supplies 600± gpd; adequate. |
| Wt 50 | 411904N720930.1 | Henry Gardiner | 1953 | 14 | Dug | 26.3 | 30 | -- | -- | Sand | 12.9 | 5-28-65 | 20 | -- | -- | -- | PS | Supplies about 300,000 gpd. Inadequate in summer. Reported depth 18 ft. L. |
| Wt 51 | 411908N720931.1 | do | 1953 | 10 | Dug | 16.5 | 30 | 0-21± | -- | Sand and gravel | 9.3 | 5-27-65 | 100 | 6 | 48 | 16.6 | PS | Some water may have recharged aquifer during pumping test. Supplies 150,000 gpd during 4-5 summer months only. |
| Wt 52 | 411907N720941.1 | do | 1956 | 9 | Drl | 24 | 8 | 0-14 | 28 | Sand and gravel | 7 | 8- -56 | 50 | 6.5 | 48 | 7.7 | PS | Gravel packed and finished with 10 ft of 8-inch screen at 14 to 24 ft depth. Standby well for future use. L. |
| Wt 53 | 411908N720936.1 | do | 1953 | 10 | Dug | 14± | 240± | 0-14± | -- | Sand | 6 | 7- -53 | -- | -- | ¼ | -- | PS | Yield inadequate; destroyed. |
| Wt 54 | 411908N720929.1 | do | 1953 | 10 | Dug | 12± | 240± | 0-12± | -- | Sand | 6 | 7- -53 | -- | -- | 2 | -- | PS | Yield inadequate and odor of $H_2S$; destroyed. |
| Wt 55 | 411905N720928.1 | do | 1956 | 11 | Drl | 28+ | 2½ | 0-15± | 28+ | Sand and gravel | 5 | 7- -56 | 100 | 9.2 | 4 | 11.0± | Test | Group of 3 wells. Two wells finished with 10 to 15 ft of screen and pumped at combined rate of 100 gpm. Destroyed. L. |
| Wt 56 | 412409N720626.1 | Boat View Water Co. | 1910± | 10 | Dug | 13.4 | 168 | 0-12± | -- | Sand and gravel | 8.3 | 6-22-65 | 21± | 7± | 3± | 3.0± | PS | Supplies 200± people; adequate. C. |
| Wt 57 | 411907N720941.2 | Henry Gardiner | 1956 | 9 | Drl | 28 | 2½ | 0-18± | 28 | Sand and gravel | 2½ | 6- -65 | 60 | 25± | -- | 2.4+ | Test | Finished with 10(?) ft of 20-slot screen. Destroyed. |
| Wt 58 | 411918N720930.1 | do | 1956 | 9 | Drl | 32 | 2½ | 0-10± | 28 | Sand and gravel | 2 | 7- -56 | 60 | 10 | 3 | 6.0 | Test | Finished with 20 ft of 30-slot screen. Destroyed. L. |
| Wt 59 | 411918N720930.2 | do | 1956 | 9 | Drl | 20 | 2½ | -- | 20± | Sand and gravel | 2± | 7- -56 | -- | -- | -- | -- | Obs | Observation well for Wt 58. Finished with screen. Destroyed. |

Table 1.--Records of wells--Continued

| Well no. | Location | Owner or name | Year completed | Altitude above msl (feet) | Type of well | Depth below land surface (feet) | Diameter (inches) | Casing set from-to (feet) | Depth to bedrock (feet) | Water-yielding material | Static water level (feet below land surface) | Date of measurement | Yield (gpm) | Drawdown (feet) | Duration of test (hrs) | Specific capacity (gpm per ft of dd) | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Waterford--Continued | | | | | | | | |
| Wt 60 | 411909N720927.1 | Henry Gardiner | 1956 | 10 | Drl | 54 | 2½ | -- | 54 | Sand and gravel | 4± | 7- -56 | 25 | 19± | -- | 1.3± | Test | Finished with 10 ft of screen. Destroyed. L. |
| Wt 61 | 412030N720810.1 | Waterford Public Library | 1965 | 37 | Drl | 55± | 6 | 0-15± | 14 | Bedrock | 20± | 6- -65 | 6 | -- | -- | -- | Inst | New well; not in use 12-2-65. |
| | | | | | | | | | | RHODE ISLAND | | | | | | | | |
| Wes 1 -102 | 412332N715019. | Town of Westerly-Water Dept. | 1897 | 15 | Drv | 60± | 2½ | -- | 60+ | Sand and gravel | -- | | -- | -- | -- | -- | PS | Situated outside study area. One number used for group of wells in battery. One hundred and two similar wells pumped at combined rate of 1,389 gpm for 24 hrs. |
| Wes 103 -166 | 412352N715028. | do | 1921 | 8 | Drv | 35 - 60 | 2½ | -- | -- | Sand and gravel | -- | | -- | -- | -- | -- | PS | Situated outside study area. One number used for group of wells in battery. Sixty-four similar wells pumped at combined rate of 1,215 gpm. C. |
| Wes 256 | 412329N715019.2 | do | 1953 | 10± | Drl | 66 | 24 | -- | 66+ | Sand and gravel | 2 | -53 | 736 | 10.9 | 8 | 67.5 | PS | Situated outside study area. Data not used except for permeability value in plate 8. |

Table 2.--Re · of springs

Spring no.: } See text for explanation of spring-numbering and location systems.
Location: }
Altitude: Estimated from topographic maps, contour interval 10 feet.
Use: Agr. agricultural; Dom, domestic; PS, public supply.
Remarks: C. chemical analysis in table 7.

| Spring no. | Location | Owner | Altitude | Topographic situation | Water-bearing material | Improvements | Flow Rate (gpm) | Flow Date | Temperature (°F) | Temperature Date | Use | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Town of Ledyard | | | | | | |
| Ly 1sp | 412729N715748.1 | Town of Ledyard | 200 | Ravine at foot of hill | Till | Discharge pipe | 0.5± | 7-30-64 | 59 | 7-24-64 | PS | Supplies recreation area. Temperature 63°F, 7-30-64. C. |
| | | | | | | Town of Montville | | | | | | |
| Mv 2sp | 412709N720625.1 | Nancy L. Rogers | 22 | Base of bank at edge of terrace | Sand and gravel | Concrete spring house | -- | | 53 | 7-16-64 | Dom | Supplies 3 people; adequate. Acidity reportedly increased. Temperature 53°F, 10-28-64. C. |
| | | | | | | Town of North Stonington | | | | | | |
| NSn 1sp | 413028N714937.1 | George Culver | 400 | Base of bank below upland flat | Gravel under hard-pan (till) | 2-ft tile reservoir, 8 ft deep | 1± | 8-11-59 | -- | | Agr Dom | NSn 1sp and NSn 2sp supply 45± gpd for 33 sheep. Flow ceases occasionally in summer. |
| NSn 2sp | 413028N714937.2 | George Culver | 400 | Base of bank below upland flat | Gravel under hard-pan (till) | -- | 2± | 8-11-59 | -- | | Agr Dom | NSn 1sp and NSn 2sp supply 45± gpd for 33 sheep. Flow ceases occasionally in summer. |
| | | | | | | Town of Waterford | | | | | | |
| Wt 1sp | 412354N720641.1 | Town of Waterford | 60 | Hillside | Till (and gneiss ?) | 2-inch discharge pipe within poured concrete | .25± | 8-19-64 | 53 | 8-19-64 | PS | Reportedly contaminated in 1964. C. |

Table 3.--Logs of selected wells

Under each heading are listed well number, latitude and longitude location number, and owner.

See table 1 for additional well information.

Text describes well-numbering and location system.

Data from drillers' logs unless otherwise noted. Underscored terms represent interpretations by I. G. Grossman.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| **Town of Bozrah** | | |
| Bz 5. 413016N720833.1. Theodore Sage. Owner's log. | | |
| Loam | 6± | 6± |
| Gravel; little sand and cobbles | 8± | 14 |
| Bz 6. 413019N720833.1. Perry and Ruth White. Owners' log. | | |
| Topsoil, black | 1½ | 1½ |
| Subsoil, yellow | 6 | 7½ |
| Gravel, coarse, and boulders | 52½ | 60 |
| Cobbles, egg-sized, and coarse clean, brown grit (till?) | 6 | 66 |
| **Town of East Lyme** | | |
| ELy 11. 412053N721250.1. Board of Education, East Lyme Jr. High School. | | |
| Sand, light brown; with gravel ½-in. | 18 | 18 |
| Silt and fine sand | 27 | 45 |
| Clay, gray | 45 | 90 |
| Clay and fine sand | 13 | 103 |
| Clay and gravel | 6 | 109 |
| Sand; gravel (½-in. to 2-in. about 60 percent of unit is gravel. Almost all water obtained here.) | 16 | 125 |
| ELy 40. 411949N721134.2. State of Connecticut, Camp Dempsey. | | |
| Sand and gravel | 28 | 28 |
| Sand, coarse to very coarse, gray (water-bearing from 29 to 45 ft) | 6 | 34 |
| Sand, fine, gray | 16 | 50 |
| Sand, very fine, gray | 27 | 77 |
| Sand, good, brown | 5 | 82 |
| Sand, fine, gray | 7 | 89 |
| Sand, small, gravel, brown | 4 | 93 |
| Sand, very fine, gray | 2 | 95 |
| Sand, fair to good, gray (water-bearing from 95 to 110 ft) | 10 | 105 |
| Sand, fair, gray | 5 | 110 |
| ELy 41. 411945N721318.1. Carriage Hill Corp. | | |
| Sand, fine brown | 10 | 10 |
| Sand, medium | 10 | 20 |
| Sand, fine, brown | 10 | 30 |
| Sand, coarse, and gravel | 5 | 35 |
| Sand, medium | 5 | 40 |
| Silt | 20 | 60 |
| Hardpan (till) | 6 | 66 |
| Rock | | at 66 |
| ELy 56. 412057N721241.1. Laurel Hill Acres, Inc. | | |
| Topsoil and silt | 15 | 15 |
| Clay, blue | 33 | 48 |
| Sand, fine, dirty | 20 | 68 |
| Sand and gravel | 4 | 72 |
| ELy 57. 412033N721247.1. Bargnesi Water Supply. | | |
| Soil | 2 | 2 |
| Sand, fine, brown | 28 | 30 |
| Gravel with sand, brown | 18 | 48 |
| **Town of Groton** | | |
| Gt 28. 412101N715954.1. Eastern Water Co. Inc. | | |
| Hardpan and boulders | 8 | 8 |
| Sand, medium | 12 | 20 |
| Sand, medium, and some gravel, layer of clay at 23 ft | 5 | 25 |
| Sand, medium layer of clay at 35 ft | 14 | 39 |
| Gravel, hardpan and boulders (till) | 1 | 40 |
| Refusal | | at 40 |
| Gt 29. 412101N715952.1. Eastern Water Co., Inc. | | |
| Hardpan and boulders | 8 | 8 |
| Sand, medium | 12 | 20 |
| Sand, medium; some gravel, (layer of clay?) | 5 | 25 |
| Sand, medium (layer of clay?) | 24 | 49 |
| Gravel and hardpan (till) | | at 49 |
| Gt 30. 412053N715947.1. Eastern Water Co., Inc. | | |
| Sand, coarse, good | 15 | 15 |
| Sand, medium, and silt | 5 | 20 |
| Sand, brown, dirty | 5 | 25 |
| Sand, medium, and clay | 7 | 32 |
| Sand, fine, and clay | 12 | 44 |
| Hardpan (till) | 3½ | 47½ |
| Ledge | | at 47½ |
| Gt 33. 412208N715817.1. William G. Fish. | | |
| Topsoil | 2 | 2 |
| Gravel | 4 | 6 |
| Clay, fine | 12 | 18 |
| Sand, water-bearing | 2 | 20 |
| Gt 56. 412058N715949.1. Eastern Water Co., Inc. | | |
| Topsoil | 2½ | 2½ |
| Sand, medium, and gravel | 31½ | 34 |
| Clay | 6 | 40 |
| Sand, coarse, and gravel | 33 | 73 |
| Ledge | 11 | 84 |
| Gt 87. 412322N720515.1. U.S. Naval Submarine Base. | | |
| Sand, fine, silty, brown | 16 | 16 |
| Sand, fine, silty, brown; traces of clay and broken stone | 10½ | 26½ |
| Sand, fine, silty, brown; traces of clay | 48½ | 75 |
| Refusal | | at 75 |
| Gt 88. 412326N720509.1. U.S. Naval Submarine Base. | | |
| Sand, fine, silty, brown; broken stone with traces of clay | 21 | 21 |
| Sand, fine, silty, brown; traces of clay | 26½ | 47½ |
| Sand, fine, silty, brown | 16 | 63½ |
| Sand, fine, silty, brown; and brown clay | 29 | 92½ |
| Refusal | | at 92½ |
| Gt 90. 412318N720455.1. U.S. Naval Submarine Base. | | |
| Sand, fine, gray; and gravel, silt, and traces of clay | 21 | 21 |
| Sand and gravel, brown | 8 | 29 |
| Refusal | | at 29 |
| Gt 95. 412349N720533.1. U.S. Naval Submarine Base. | | |
| Sand, dark gray, broken stone, clay | 1 | 1 |
| Clay, dark gray; silty sand | 25½ | 26½ |
| Clay and silty, dark gray sand | 17½ | 44 |
| Refusal | | at 44 |
| Gt 98. 412329N720517.1. U.S. Naval Submarine Base. | | |
| Sand, fine, silty brown; broken stone, clay | 37 | 37 |
| Sand, silty, reddish-brown, and clay | 10½ | 47½ |
| Sand, silty, brown, and clay | 7½ | 55 |
| Refusal | | at 55 |
| Gt 100. 412331N720525.1. U.S. Naval Submarine Base. | | |
| Sand, fine, silty; broken stone, and clay | 21 | 21 |
| Sand, fine, silty, brown, and clay | 16 | 37 |
| Sand, silty, reddish-brown; and clay | 22½ | 59½ |
| Refusal | | at 59½ |
| Gt 113. 412146N720205.1. City of Groton, Dept. of Utilities. | | |
| Topsoil, gravel, coarse, and boulders | 10 | 10 |
| Gravel, fine to medium, and cobbles | 20 | 30 |
| Sand, fine to medium | 25 | 55 |
| Sand, medium to coarse | 15 | 70 |
| Sand, fine, and gravel | 2.5 | 72.5 |
| Gt 114. 412214N720224.1. City of Groton, Dept. of Utilities. | | |
| Topsoil, gravel coarse, and boulders | 10 | 10 |
| Gravel, medium to coarse | 10 | 20 |
| Sand, fine to medium | 30 | 50 |
| Gravel, medium to coarse, with sand, very fine (till?) | 7.6 | 57.6 |
| **Town of Lebanon** | | |
| Lb 2. 413725N721922.1. Beseck Lake Water Co. | | |
| Soil, dirt and boulders | 10± | 10± |
| Granite, hard | 90± | 100± |
| Rock, soft, main water bed | 15± | 115± |
| Rock, alternating hard and soft, water-bearing | 105± | 220± |
| Lb 14. 413737N721643.1. Carefree Homes, Inc. | | |
| Loam, sandy | 2 | 2 |
| Hardpan, black, clayey | 1 | 3 |
| Sand and gravel, water-bearing | 17 | 20 |
| Lb 19. 413741N721807.1. Grand Lake Lodge, Inc. Owner's and driller's composite log of wells Lb 19-23. | | |
| Artificial fill | 3 | 3 |
| Swamp muck, brown | 1½ | 4½ |
| Sand, fine, with fine gravel | 13½± | 18 ± |
| Lb 28. 413255N721349.1. Red Cedar Lake Sites Development Corp., Inc. | | |
| Loam, yellow and black | 3 | 3 |
| Sand, with boulder 8 to 10 in. in diameter | 7 | 10 |
| Granite, gray, dense | 8 | 18 |
| Granite, dark gray, with seam yielding 1½ gpm at 32 ft | 20 | 38 |
| Granite, light gray | 8 | 46 |
| Granite, with mica, with seam, total yield increased to 2½ gpm | 36 | 82 |
| Granite, very hard, light gray | 72 | 154 |
| Granite, dark gray, with seam, total yield increased to 11-15 gpm | 32 | 18[illegible] |
| Granite, light gray | 14 | 200 |
| Lb 32. 413431N721212.1. Dominick Puhlick. Owner's log. | | |
| Topsoil, dark, almost black | 1½ | 1½ |
| Subsoil, light-colored | 3½ | 5 |
| Hardpan, sandy, with 1-in. stones | 3 | 8 |
| Mixed material; with pebbles and cobbles, not water-bearing | 3 | 11 |
| Sand, coarse; with small pebbles, light-brown | 5 | 16 |
| Lb 34. 413834N721213.1. Anthony Kasacek. | | |
| Loam and subsoil | 2 | 2 |
| Silt, greenish-gray | 4 | 6 |
| Sand, yellowish-tan | 1 | 7 |
| Silt, greenish-gray | 7 | 14 |
| Ledge (bedrock) | | at 14 |
| **Town of Ledyard** | | |
| Ly 24. 412616N715809.1. Lifetime Homes, Inc. | | |
| Clay, hard | 5 | 5 |
| Sand, brown | 5 | 10 |
| Sand, coarse | 5 | 15 |
| Sand and gravel | 5 | 20 |
| Gravel, coarse | 20 | 40 |
| Sand and clay | 3± | 43 |
| Bedrock | | at 43 |
| Ly 25. 412613N715809.1. Lifetime Homes, Inc. | | |
| Loam | 2 | 2 |
| Sand, compacted, brown, and sharp gravel | 13 | 15 |
| Sand, fine, brown, and sharp gravel | 10 | 25 |
| Sand, fine, light gray | 5 | 30 |
| Sand, medium, brown, and gravel | 19 | 49 |
| Rock | | at 49 |

Table 3.--Logs of selected wells--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Town of Ledyard--Continued | | |
| Ly 26. 412538N720346.1. Christy Hill Water Co. | | |
| Humus and peat | 10 | 10 |
| Sand, fine | 4 | 14 |
| Sand, coarse (and gravel?) | 22 | 36 |
| Bedrock | | at 36 |
| Ly 28. 412542N720344.1. Christy Hill Water Co. | | |
| Sand, fine | 33 | 33 |
| Gravel, coarse, main water-bearing bed | 10 | 43 |
| Ly 35. 412626N720502.1. Dow Chemical Co. | | |
| Fill | 3 | 3 |
| Sand and clay | 9 | 12 |
| Gravel, dirty, brown | 18 | 30 |
| Gravel, medium, gray | 6 | 36 |
| Refusal | | at 36 |
| Ly 38. 412708N720410.1. Town of Ledyard, Board of Education J. W. Long School. | | |
| Loam, black and yellow clay | 3 | 3 |
| Gravel, fine, with sand; multi-colored | 7 | 10 |
| Gravel, fine, mixed, black; with fine light brown sand | 5 | 15 |
| Sand, fine, light brown and gray | 5 | 20 |
| Sand, extremely fine, hard packed, brown | 15 | 35 |
| Sand, fine, light brown | 5 | 40 |
| Sand, coarse, dark gray; and very fine gravel | 5 | 45 |
| Gravel, fine, light gray; with multi-colored sand | 25 | 70 |
| Quicksand, light brown | 15 | 85 |
| Sand, yellow to white; with fine rounded, dark gray gravel | 18 | 103 |
| Gravel, rounded, ¼ to 3 in. in diameter | 5 | 108 |
| No ledge, no sample | 20 | 128 |
| 42. 412659N720058.1. Ledyard Village Home Owners Association. | | |
| Sand and clay | 2½ | 2½ |
| Gravel, coarse | 7 | 9½ |
| Hardpan | 2 | 11½ |
| Gravel and coarse sand, mixed most water here | 5 | 16½ |
| Hardpan | 2 | 18½ |
| Gravel, coarse | 2 | 20½ |
| Gravel, fine, sandy | 3½ | 24 |
| Ledge, broken | 2 | 26 |
| Granite | 2 | 28 |
| Ly 46. 412701N720401.1. Charles Pfizer & Co., Inc. | | |
| Sand, fine, brown, no water | 10 | 10 |
| Sand, silty, gray, no water | 11 | 21 |
| Probable boulder | 3 | 24 |
| Refusal | | at 24 |
| Ly 48. 412728N720404.1. Charles Pfizer & Co., Inc. | | |
| Sand, coarse | 10 | 10 |
| Sand and gravel | 10 | 20 |
| Sand, medium | 10 | 30 |
| Gravel, fine | 10 | 40 |
| Sand, coarse | 10 | 50 |
| Gravel, medium (fine at 60 to 70 ft) | 26 | 76 |
| Ly 50. 412728N720404.2. Charles Pfizer & Co., Inc. | | |
| Hardpan and boulders | 15 | 15 |
| Sand, sharp, gray, and gravel | 23 | 38 |
| Sand, medium, gray, gravel; and traces of clay | 21 | 59 |
| Ly 51. 412728N720404.3. Charles Pfizer & Co., Inc. | | |
| Hardpan and boulders | 16 | 16 |
| Sand, gray, and gravel | 24 | 40 |
| Sand, gray, gravel; and traces of clay | 18 | 58 |
| Ly 52. 412728N720404.4. Charles Pfizer & Co., Inc. | | |
| Hardpan and boulders | 14 | 14 |
| Sand, brown, and gravel | 25 | 39 |
| Sand, gray; and traces of gray clay | 17 | 56 |
| Ly 56. 412657N720318.1. Charles Pfizer & Co., Inc. | | |
| Loam | 2 | 2 |
| Clay, sandy, compact, yellow, and boulders | 8 | 10 |
| Sand, fine to medium, brown, with gravel and boulders | 13 | 23 |
| Clay, hard, gray; some sand and gravel | 9 | 32 |
| Refusal | | at 32 |
| Ly 62. 412711N720350.1. Charles Pfizer & Co., Inc. | | |
| Loam | 2 | 2 |
| Clay, sandy, compact, yellow, and sharp gravel | 15 | 17 |
| Sand, fine, light gray, gravel and boulders | 13 | 30 |
| Sand, fine to medium, light gray, gravel and boulders | 10 | 40 |
| Sand, fine, gray, small sharp gravel and clay | 18 | 58 |
| Refusal (bedrock) | | at 58 |
| Ly 63. 412710N720348.1. Charles Pfizer & Co., Inc. | | |
| Loam | 2 | 2 |
| Clay, sandy, yellow | 9 | 11 |
| Clay, hard, gray, sharp gravel and boulders | 12 | 23 |
| Sand, fine, compact, yellow, gravel, clay and boulders | 18 | 41 |
| Sand, compact, gray, gravel, clay and boulders (till?) | 9 | 50 |
| Refusal | | at 50 |
| Ly 66. 412711N720400.1. Charles Pfizer & Co., Inc. | | |
| Loam | 2 | 2 |
| Clay, sandy, yellow | 10 | 12 |
| Sand, fine, yellow, and sharp gravel | 11 | 23 |
| Sand, silty, yellow | 36 | 59 |
| Sand, fine, yellow, fine sharp gravel with trace of clay (till) | 5 | 64 |
| Refusal | | at 64 |
| Ly 79. 412727N720406.1. Charles Pfizer & Co., Inc. | | |
| Clay, sandy, yellow, and gravel | 5 | 5 |
| Sand, medium, yellow, and gravel | 16 | 21 |
| Sand, fine to medium, yellow, and gravel | 4 | 25 |
| Ly 81. 412726N720404.1. Charles Pfizer & Co., Inc. | | |
| Loam | 2 | 2 |
| Clay, sandy, yellow | 8 | 10 |
| Sand, medium, yellow, and gravel | 30 | 40 |
| Sand, fine, yellow, fine gravel, some clay (till?) | 31 | 71 |
| Refusal | | at 71 |
| Ly 91. 412416N720525.1. U.S. Naval Submarine Base. | | |
| Sand, fine, brown, and traces of clay | 21 | 21 |
| Sand, fine, silty, gray | 10 | 31 |
| Sand, silty, gray and brown, traces of brown and gray clay | 11 | 42 |
| Sand, silty, brown, and traces of brown clay | 5 | 47 |
| Refusal | | at 48 |
| Ly 95. 412414N720429.1. U.S. Naval Submarine Base. | | |
| Sand, silty, brown, broken stone, boulders and clay | 21 | 21 |
| Sand, fine, silty, and clay | 24½ | 45½ |
| Refusal | | at 45½ |
| Ly 101. 412458N720515.1. U.S. Naval Submarine Base. | | |
| Sand and gravel, tight (alluvium) | 15 | 15 |
| Sand, fine to medium; traces of clay | 40 | 55 |
| Sand, fine to medium and gravel | 2 | 57 |
| Refusal | | at 57 |
| Ly 105. 412537N720507.1. U.S. Naval Submarine Base. | | |
| Sand, fine to medium, and traces of gravel | 28 | 28 |
| Sand, fine to medium | 28 | 56 |
| Sand, fine, medium and coarse; and gravel | 22 | 78 |
| Sand, fine, gray, and gravel | 7 | 85 |
| Ly 106. 412530N720509.1. U.S. Naval Submarine Base. | | |
| Sand, fine to medium; some gravel; traces of gray clay | 52 | 52 |
| Sand, fine, medium, and coarse, dark brown, and gravel | 9½ | 61½ |
| Ly 108. 412530N720504.1. U.S. Naval Submarine Base. | | |
| Sand, fine, medium, and coarse, and gravel | 55 | 55 |
| Sand, fine, dark brown, and gravel | 15 | 70 |
| Ly 111. 412537N720507.2. U.S. Naval Submarine Base. | | |
| Topsoil | 2 | 2 |
| Sand, fine to medium, brown | 15 | 17 |
| Sand, coarse to medium, brown | 18 | 35 |
| Sand, medium to fine, brown | 20 | 55 |
| Gravel, coarse; with medium brown sand | 11 | 66 |
| Gravel, coarse; with medium to fine gray sand | 14 | 80 |
| Sand, very fine (till) | 2 | 82 |
| Rock | | at 82 |
| Ly 114. 412703N720243.1. Charles Pfizer & Co., Inc. | | |
| Gravel | 10 | 10 |
| Sand, gray, and coarse gravel | 20 | 30 |
| Sand, medium, and gravel | 3 | 33 |
| Refusal | | at 33½ |
| Ly 116. 412702N720237.2. Charles Pfizer & Co., Inc. | | |
| Sand, fine gray | 17 | 17 |
| Sand, fine to medium, gray, and gravel | 31 | 48 |
| Gravel, sharp (till) | 2 | 50 |
| Refusal, probably ledge | | at 50 |
| Town of Montville | | |
| Mv 17. 412555N720601.2. Continental Can Co. | | |
| Earth, rough | 30 | 30 |
| Sand and gravel | 20 | 50 |
| Sand, fine | 35 | 85 |
| Hardpan and clay | 10 | 95 |
| Sand, fine, silty (till?) | 15 | 110 |
| Rock formation | 2 | 112 |
| Mv 21. 412555N720618.1. Jennie Butler and Mary Zachrick. Owners' log. | | |
| Topsoil, brown, and loam | 3 | 3 |
| Gravel, cobbly, gray | 22 | 25 |
| Sand, gray, no stones | 10± | 35± |
| Gravel, fewer cobbles than at 22 to 25 ft, well-rounded cobbles up to apple sized (tightly packed) | 5± | 40± |
| Sand, fine, soft, water-bearing | 8± | 48± |
| Not logged | 12± | 60 |
| Mv 30. 412708N720818.1. Robertson Paper Box Co., Inc. | | |
| Boulder hardpan | 22 | 22 |
| Gravel, dirty | 2 | 24 |
| Rock, soft, gray | 16 | 40 |
| Rock, hard, gray | 160 | 200 |

Table 3.--Logs of selected wells--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Town of Montville--Continued | | |
| Mv 47. 412931N720541.1. United Nuclear Corp. | | |
| Sand, fill, fine to coarse, clean, white | 13 | 13 |
| Sand, very fine to very coarse, silty, brown, little fine gravel | 12 | 25 |
| Sand, very fine, some medium to coarse, tan | 5 | 30 |
| Sand, fine to coarse, silty, tan | 5 | 35 |
| Sand, very fine to fine, some medium to coarse, some fine silty gravel | 10 | 45 |
| Sand, very fine to fine, some medium to coarse, with fine to coarse gravel | 10 | 55 |
| Sand, very coarse, some fine to medium, and very silty gravel (till?) | 13 | 68 |
| Bedrock, pink granite | 11 | 79 |
| Mv 48. 412935N720541.1. United Nuclear Corp. | | |
| Sand, fine to coarse, and gravel, fine to medium, very silty, brownish-gray | 15 | 15 |
| Sand, fine to coarse, slightly silty, brown | 10 | 25 |
| Sand, fine, tan and white | 10 | 35 |
| Sand and gravel, silty except at 40 to 45 ft, grayish brown and tan | 25 | 60 |
| Sand, very fine to fine, silty, gray | 10 | 70 |
| Sand and gravel, tan to brownish-gray, slightly silty at 80 to 100 ft | 30 | 100 |
| Sand, fine to coarse, brownish-gray | 10 | 110 |
| Sand, fine to coarse, and fine gravel, slightly silty, brownish-gray (till?) | 5 | 115 |
| Sand and gravel, fine to coarse, very silty, brown, very hard (till) | 11 | 126 |
| Bedrock, pink granite | 5 | 131 |
| Mv 50. 412614N720612.2. Continental Can Co. | | |
| Sand and boulders | 23 | 23 |
| Sand and gravel | 32 | 55 |
| Sand | 7 | 62 |
| Sand and gravel | 19 | 81 |
| Sand | 3 | 84 |
| Mv 52. 412615N720610.1. Continental Can Co. | | |
| Sand and boulders | 15 | 15 |
| Sand and gravel | 50 | 65 |
| Sand | 33 | 98 |
| Sand and gravel | 1 | 99 |
| Sand, silty (till?) | 5 | 104 |
| Mv 53. 412613N720619.1. Continental Can Co. | | |
| Sand and boulders | 8 | 8 |
| Sand | 16 | 24 |
| Sand and gravel | 8 | 32 |
| Bedrock | 3 | 35 |
| Mv 63. 412826N720511.1. G. & J. Water Co., Inc. | | |
| Sand and gravel | 5 | 5 |
| Hardpan, with fist-sized stones (till) | 60 | 65 |
| Sand | 26 | 91 |
| Sand and gravel | 9 | 100 |
| Mv 64. 412826N720511.2. G. & J. Water Co., Inc. | | |
| Sand and gravel | 5 | 5 |
| Hardpan (till) | 86 | 91 |
| Sand and gravel | 21 | 112 |
| Mv 67. 412843N720525.1. Lathrop Brothers. Owner's log. | | |
| Clay, sandy, whitish | 11± | 11± |
| Gravel | 24± | 35 |
| Ledge, water-bearing | 45 | 80 |
| Town of New London | | |
| NL 4. 412111N720636.1. Southern New England Ice and Oil Co. | | |
| Earth and sand | 18 | 18 |
| Granite, light | 22 | 40 |
| Granite, gray, hard | 60 | 100 |
| Granite, medium, dark | 40 | 140 |
| Granite, soft, dark | 5 | 145 |
| Granite, hard, gray | 25 | 170 |
| Granite, soft, dark | 5 | 175 |
| Granite, hard, gray | 25 | 200 |
| NL 15. 412248N720619.1. Connecticut College. | | |
| Overburden (till) | 43 | 43 |
| Granite, hard, gray | 197 | 240 |
| Granite, hard, gray, with clay crevices | 110 | 350 |
| Granite, hard, gray | 55 | 405 |
| Town of North Stonington | | |
| NSn 29. 412516N715259.1. E. J. Murphy & Sons, Inc. | | |
| Fill and silt | 10 | 10 |
| Gravel and boulders | 10 | 20 |
| Gravel, boney | 10 | 30 |
| NSn 30. 412440N715041.1. Hugo E. Wirtanen. | | |
| Loam, red | 3 | 3 |
| Hardpan with cobbles, gray | 3 | 6 |
| Gravel, clayey, gray, water-bearing | 7 | 13 |
| Sand, fine, gray | 1 | 14 |
| NSn 48. 412655N715334.2. Eastern Water Co., Inc. Owner's log. | | |
| Topsoil and rotted vegetation | 1½ | 1½ |
| Hardpan, silty | 10½ | 12 |
| Gravel, hard, silty | 5 | 17 |
| Sand, fine, silty, layered | 3 | 20 |
| Gravel, coarse, dirty | 15 | 35 |
| Sand, fine, some silt | 6 | 41 |
| NSn 51. 412656N715338.1. North Stonington Water Co. | | |
| Rocks, hardpan | 10 | 10 |
| Gravel, hard packed | 10 | 20 |
| Gravel, medium | 5 | 25 |
| Sand, medium, and gravel | 5 | 30 |
| Gravel, clean | 4 | 34 |
| Sand, fine (till?) | 4 | 38 |
| Town of Norwich | | |
| Nwh 22. 413249N720450.1. Thomas J. Kelly Jr. High School. | | |
| Hardpan (till) | 14 | 14 |
| Granite, shale at 31-34 ft (schist) | 38 | 52 |
| (Schist) | 4 | 56 |
| Granite | 52 | 108 |
| Quartz seam | 1 | 109 |
| Granite, shale at 124-126 ft (schist) | 52 | 161 |
| Quartz | 3 | 164 |
| Granite, shale at 228-235 ft (schist) | 127 | 291 |
| Quartz | 3 | 294 |
| Granite | 6 | 300 |
| Nwh 27. 413010N720727.1. Harry M. Johnson. | | |
| Topsoil, dark brown* | 1 | 1 |
| Clay, hard, gray* | 8 | 9 |
| Clay, hard, gray, stoneless, moist | 3 | 12 |
| Gravel, reddish-brown, water-bearing | 7 | 19 |
| * Excavated from land surface in 1960. | | |
| Town of Old Lyme | | |
| OL 20. 411748N721529.1. Point O'Woods. | | |
| Dug well | 23 | 23 |
| Sand, medium, and gravel | 4 | 27 |
| Sand, medium to fine, grey | 10 | 37 |
| Sand, fine, and clay (till?) | 13 | 50 |
| OL 27. 411741N721708.1. Mile Creek School. | | |
| Loam | 3 | 3 |
| Sand, silty, dirty, yellow (till) | 6 | 9 |
| Hardpan, gray, with cobbles (till) | 9 | 18 |
| Rock, hard, first water at 80 ft | 25 | 43 |
| Rock, soft, total yield 5 gpm at 140 ft | 97 | 140 |
| Rock, soft, no additional water | 210 | 350 |
| OL 68. 411702N721701.1. H. P. Garvin. Owner's log. | | |
| Sand | 12 | 12 |
| Hardpan | 3 | 15 |
| Sand | 3 | 18 |
| OL 71. 411726N721711.1. H. P. Garvin. Owner's log. | | |
| Not logged (sand) | 36 | 36 |
| Rock, about 6 dry openings | 314 | 350 |
| Rock, total yield 39 gpm at 400 ft | 50 | 400 |
| Rock, lost 5 gpm, total yield 34 gpm at 450 ft | 50 | 450 |
| OL 75. 411728N721708.1. H. P. Garvin. | | |
| Gravel, coarse, packed | 8 | 8 |
| Gravel, medium | 6 | 14 |
| Sand and clay | 20 | 34 |
| Refusal | | at 34 |
| OL 78. 411747N721525.1. Point O'Woods. | | |
| Loam, black | 2 | 2 |
| Gravel, sharp, brown and boulders | 10 | 12 |
| Sand, fine, gray, scattered gravel, gray clay | 18 | 30 |
| Sand and gravel, sharp, brown | 11 | 41 |
| Ledge, refusal | | at 41 |
| OL 79. 411747N721529.2. Point O'Woods. | | |
| Sand, sharp, gravel; boulders | 12 | 12 |
| Sand, sharp, brown; boulders, water from 16 ft up | 8 | 20 |
| Silt, fine, gray, sand; scattered gravel | 42 | 62 |
| Refusal | | at 62 |
| Town of Preston | | |
| Ps 33. 413122N715848.1. Mrs. Peter Garino. Owner's log. | | |
| Gravel, baseball-sized cobbles | 30 | 30 |
| Quicksand, live | 75 | 105 |
| Gravel, pea-sized | 9 | 114 |
| Ps 36. 413201N720235.1. Donald W. Krohn. | | |
| Dirt (till) | 7 | 7 |
| Rock, seamy rotten | 15 | 22 |
| Rock, with black cuttings | 43 | 65 |
| Ps 65. 412917N720201.1. Connecticut Brass Corp. Owner's log. | | |
| Topsoil, brown | ½ | ½ |
| Clay, yellow | 4½ | 5? |
| Gravel, coarse, 1 to 2 in. pebbles, yellowish-brown, water-bearing | 16? | 21? |
| Ledge | | at 21 |
| Ps 67. 412925N720434.3. Norwich Hospital. | | |
| Sand, coarse, brown and gray, and gravel | 40 | 40 |
| Sand, muddy | 5 | 45 |
| Sand, gray | 20 | 65 |
| Sand, coarse, water-bearing | 30 | 95 |
| Gravel, coarse, water-bearing | 10 | 105 |
| Sand, coarse, water-bearing | 17 | 122 |
| Sand, fine, brown, and clay | 21 | 143 |
| Ledge | | at 143 |
| Ps 77. 412911N720326.1. Norwich Hospital. | | |
| Gravel | 10 | 10 |
| Sand, fine | 25 | 35 |
| Refusal | | at 35 |
| Ps 86. 412921N720406.1. Norwich Hospital. | | |
| Sand, fine | 10 | 10 |
| Sand, clay, boulders | 43 | 53 |
| Ledge | | at 53 |
| Ps 87. 412920N720340.1. Norwich Hospital. | | |
| Sand, fine (till) | 10 | 10 |
| Sand, fine, brown, and clay (till) | 37 | 47 |
| Ledge | | at 47 |
| Ps 88. 412911N720410.1. Norwich Hospital. | | |
| Sand, coarse | 10 | 10 |
| Gravel, medium | 15 | 25 |
| Sand, fine to medium, gray | 20 | 45 |
| Sand, very fine, brown and gray | 55 | 100 |
| Sand, fine, brown, and clay (till?) | 30 | 130 |
| Ledge | | at 130 |

Table 3.--Logs of selected wells--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Town of Preston--Continued | | |
| Ps 112. 412912N720434.1. Norwich Hospital. | | |
| Sand and gravel, pumped at 100 gpm for 1 hour, 9-in. vacuum | 40 | 40 |
| Sand, fine, and gravel; traces of clay, pumped at 10 gpm at 21-in. vacuum | 13½ | 53½ |
| Sand, fine, gravel, fine; trace of clay, pumped at 60 gpm for 1 hour, 20-in. vacuum | 10½ | 64 |
| Sand, and dark gravel, pumped at 100 gpm for 1 hour | 10 | 74 |
| Sand, medium, and clay, pumped well at 10 gpm for 1 hour | 10 | 84 |
| Ps 115. 412929N715858.1. Country Squire Water Co. Owner's log. | | |
| Soil, mulch, and leaves | 1 | 1 |
| Gravel, 1-in. pebbles, gray | 14 | 15 |
| Ledge, hard, gray | | |
| seam at 90-92 ft yielded 20+ gpm | 81 | 96 |
| Town of Salem | | |
| Sm 4. 412935N721337.1. Jack Cooper. | | |
| Loam | ½ | ½ |
| Gravel, hard packed | 27 | 27½ |
| Sand, coarse | 6 | 33½ |
| Town of Stonington | | |
| Sn 68. 412156N715207.1. A. Kellegher. | | |
| Till | 20 | 20 |
| Granite | 35 | 55 |
| Granite, rotten, brown, main water-bearing zone | 4 | 59 |
| Sn 126. 412300N715746.1. Richard Grover. | | |
| Loam and gravel | 12 | 12 |
| Gravel, water-bearing, odor of river mud | 13 | 25 |
| Quicksand | 75 | 100 |
| Gravel, water-bearing | 25 | 125 |
| 135. 412156N715105.1. Town of Stonington. | | |
| Soil, loam | 2 | 2 |
| Clay, gray | 8 | 10 |
| Gravel, coarse, gray, mixed with fines; water rose under artesian pressure | 3 | 13 |
| Town of Waterford | | |
| Wt 22. 412018N720657.1. Wallace Giachello. | | |
| Loam | 1 | 1 |
| Hardpan (till) | 14 | 15 |
| Rock | 163 | 178 |
| Wt 27. 412144N720852.1. Town of Waterford. | | |
| Topsoil | 2 | 2 |
| Sand, fine to medium, orange, and gravel | 19 | 21 |
| Gravel, medium to coarse, orange | 11 | 32 |
| Sand, fine, brown, silty, and clay (till?) | 5 | 37 |
| Wt 29. 412206N720906.1. Town of Waterford. | | |
| Sand, silty, grayish | 21 | 21 |
| Sand, fine, light brown | 15 | 36 |
| Sand, light brown; some medium gravel | 11 | 47 |
| Clay, gray (till?) | 3 | 50 |
| Refusal | | at 50 |
| Wt 38. 412357N721040.2. Town of Waterford. | | |
| Gravel and boulders | 8 | 8 |
| Sand, fine to medium | 32 | 40 |
| Sand, fine to medium; small amount of fine to medium gravel | 10 | 50 |
| Sand and gravel, very tight, no water (till?) | 2 | 52 |
| Wt 39. 412357N721041.2. Town of Waterford. | | |
| Sand, coarse, brown, and boulders | 15 | 15 |
| Sand, fine, brown, and gravel | 5 | 20 |
| Sand, grayish-brown; traces of silt | 10 | 30 |
| Sand, brown, and fine gravel | 10 | 40 |
| Coarse gravel with brown sand, fine gravel; traces of clay | 3 | 43 |
| Sand, brown, and fine gravel; traces of silt | 7 | 50 |
| Sand, fine, grayish (till) | 1 | 51 |
| Refusal, rock | | at 51 |
| Wt 44. 412410N720725.3. Town of Waterford. | | |
| Topsoil | 2 | 2 |
| Sand, fine, and silt mixed with gray clay | 17 | 19 |
| Sand and red clay | 2 | 21 |
| Sand, medium to coarse | 2 | 23 |
| Gravel, coarse to fine | 3 | 26 |
| Sand, coarse, to medium gravel; traces of silt | 3 | 29 |
| Sand, coarse, and medium | 10 | 39 |
| Clay | 3 | 42 |
| Refusal (ledge) | | at 42 |
| Wt 50. 411904N720930.1. Henry Gardiner. Owner's log. | | |
| Topsoil, light brown | 1 | 1 |
| Subsoil, yellow | 1 | 2 |
| Sand, white, alternating with gray gravel | 6 | 8 |
| Sand (hardpan) compact, elephant gray | 1 | 9 |
| Sand, white, alternating with gray gravel, at least 95% of water here | 9 | 18 |
| Wt 52. 411907N720941.1. Henry Gardiner. | | |
| Gravel, medium | 24 | 24 |
| Sand, fine | 4 | 28 |
| Ledge | | at 28 |
| Wt 55. 411905N720928.1. Henry Gardiner. | | |
| Gravel, medium | 20 | 20 |
| Sand, fine | 8 | 28 |
| Ledge | | at 28 |
| Wt 58. 411918N720930.1. Henry Gardiner. | | |
| Gravel, coarse | 8 | 8 |
| Gravel, medium | 13 | 21 |
| Sand, fine | 7 | 28 |
| Ledge | 4 | 32 |
| Wt 60. 411909N720927.1. Henry Gardiner. | | |
| Gravel, medium, water-bearing | 23 | 23 |
| Silt and clay, not productive | 31 | 54 |
| Ledge | | at 54 |

Table 4.--Logs of test holes

Test-hole number, location: See text for explanation of test-hole numbering and location systems.

Altitude: Connecticut State Highway Department and U.S. Corps of Engineers borings determined by precise leveling.

Water level: Feet below land surface. Measurements generally made shortly after completion of the hole and may not be representative of natural conditions.

Material description: Terms underscored represent interpretations by I. G. Grossman and R. L. Melvin. Grain-size classifications used in preparation of logs are compared in the table to the right.

Connecticut State Highway Department: Mostly small-diameter borings put down with jetting rigs equipped to core rock, by the Highway Department or by commercial test drilling firms under contract. Logs are based on split-spoon samples collected generally at 5-foot intervals, supplemented by drillers' observations. Grain-size classification used by the Highway Department changed in 1959.

U.S. Corps of Engineers: Similar to Connecticut State Highway Department borings, except split-spoon sampling was usually continuous above bedrock. Logs given in this report represent simplified interpretations of the original logs, which are coded according to the Providence Soil Classification system.

| Grain size (millimeters) | Conn. State Highway Dept. borings before 1959 | AASHO Classification Conn. State Highway Dept. borings since about 1959 | | United Soil Classification: U.S. Corps of Engineers bori |
|---|---|---|---|---|
| | | Boulders | | |
| | | 203 mm (8 in) | | |
| | | Cobbles | | Cobbles |
| 76.2 (3 in) | Gravel | Gravel | Coarse | Gravel |
| | | | 25.4 mm | |
| | | | medium | |
| 4.76 | | | 9.5 mm | |
| | | | Fine | Coarse sand |
| 2 | | | | |
| | Coarse sand | Coarse sand | | Medium sand |
| | 0.6 mm | | | |
| .42 | Medium sand | | | |
| | 0.2 mm | Fine sand | | Fine sand |
| | Fine sand | | | |
| .074 | | | | |
| | 0.06 mm | | | Fines |
| | Silt | Silt | | |
| .004 | 0.002 mm | | | (Silt or Clay) |
| | Clay | Clay | | |

Town of Bozrah

Bz 1 th. 413402N721017.1. Conn. State Highway Dept. Drilled 1941. Altitude 159 ft. Water level 6? ft. One other test boring, (not shown), 17 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam and sand | 6 | 6 |
| Sand, gravel and cobbles | 28 | 34 |
| Rock, soft | 7 | 41 |

Bz 2 th. 413350N720954.1. Conn. State Highway Dept. Drilled 1961. Altitude 160 ft. Water level 9 ft. One additional boring, 41 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, fine to gravel; trace of silt and cobbles (fill) | 12± | 12± |
| Gravel, cobbles, and organic silt, mixed | 5± | 17± |
| Sand, fine, brown, and organic silt | 7± | 24± |
| Gravel, light-brown, and sand; trace of silt and cobbles | 8± | 32± |
| Sand, fine, tan; trace of silt | 6± | 38± |
| Sand, fine to coarse, tan; trace of silt | 6± | 44± |
| Gravel, tan, and sand; trace of silt and cobbles | | at 44+ |

Bz 4 th. 413353N720835.1. Conn. State Highway Dept. Drilled 1958. Altitude 158 ft. Water level ft. Two additional borings (not shown), 20 and 23 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, brown; trace of cobbles and boulders | 1 | 1 |
| Silt, tan; some fine sand | 2 | 3 |
| Sand, coarse to fine, reddish-brown; some fine to coarse gravel; little silt; trace of cobbles (till) | 2 | 5 |
| Gravel, fine to coarse, tan, and coarse to fine sand; little silt; trace of rotten rock and cobbles (hardpan) | 14 | 19 |
| Rock, very hard, gray, white | 5 | 24 |

Bz 5 th. 413337N720939.1. Conn. State Highway Dept. Drilled 1958. Altitude 153 ft. Water level 0 ft. Eleven additional borings (not shown), 35 to 62 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 14 | 14 |
| Muck | 1 | 15 |
| Gravel, tan; some fine to coarse sand; trace of cobbles | 3 | 18 |
| Gravel, medium, to coarse sand, brown; little fine to medium sand; trace of silt | 4 | 22 |
| Sand, fine to coarse, gray; little gravel; trace of silt and cobbles | 11 | 33 |
| Sand, fine, to medium gravel, gray; little silt; trace of clay and cobbles (till?) | 17 | 50 |

Bz 8 th. 413342N720956.2. Conn. State Highway Dept. Drilled 1958. Altitude 164 ft. Water level 12 ft. Two additional borings (not shown), 18 and 28 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, medium and silt | 5 | 5 |
| Sand, medium, and gravel | 10 | 15 |
| Sand and gravel; some silt and cobbles (hardpan) | 7 | 22 |
| Sand, medium to coarse, and gravel; some cobbles | 13 | 35 |
| Sand, medium to fine; some coarse sand | 5 | 40 |

Bz 13 th. 413353N720835.2. Conn. State Highway Dept. Drilled 1958. Altitude 159 ft. Water level 5? ft. Two additional borings (not shown), 20 and 23 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, brown | 1 | 1 |
| Sand, fine, tan, some silt; trace of medium to coarse sand | 2 | 3 |
| Sand, coarse to fine, tan, and fine to coarse gravel; little silt; trace of cobbles and rotten rock (hardpan) | 8 | 11 |
| Boulder | 1 | 12 |
| Sand, tan, gravel, silt, cobbles (hardpan) | ½ | 12½ |
| Boulder | 1½ | 14 |
| Sand, tan, gravel, silt, cobbles (hardpan) | ½ | 14½ |
| Boulder | 1 | 15½ |
| Gravel, fine to coarse, tan, and coarse to fine sand; little cobbles; little silt; trace of rotten rock, hardpan (till) | 8½ | 24 |

Bz 14 th. 413338N720933.1. Conn. State Highway Dept. Drilled 1958. Altitude 183 ft. Water level 3 ft. Eleven additional borings (not shown), 35 to 62 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, dark-brown | 1 | 1 |
| Sand, fine, tan; traces of medium to coarse sand, gravel and silt | 6 | 7 |
| Gravel, and tan fine to coarse sand; little cobbles; trace of silt | 24½ | 31½ |
| Sand, fine, gray, tan; trace of silt | 9 | 40½ |
| Sand, fine, gray; little medium to coarse sand; traces of silt, clay, and small cobbles (till?) | 20 | 60½ |

Bz 29 th. 413445N721152.1. Conn. State Highway Dept. Drilled 1963. Altitude 211 ft. Water level 11 ft. Three additional borings (not shown), 53 to 66 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel; small boulders; sand; and silt (fill) | 10 | 10 |
| Sand, fine, tan; little fine to medium gravel; little silt; little coarse sand; few cobbles | 3½ | 13½ |
| Sand, tan, and silt; little gravel | 2½ | 16 |
| Sand, fine, tan, and silt; some fine to medium gravel; trace of coarse sand (till?) | 2 | 18 |
| Sand, gray; some gravel and silt (till?) | 3 | 21 |
| Sand, fine to coarse, gray; some gravel and silt; few cobbles (till) | 7 | 28 |
| Rock, hard, gray | 5 | 33 |

Bz 32 th. 413412N721034.1. Conn. State Highway Dept. Drilled 1941. Altitude 159 ft. Water level 3 ft. Three additional borings (not shown), 34 to 47 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam and sand | 6 | 6 |
| Gravel | 4 | 10 |
| Hardpan (till) | 28 | 38 |
| Rock, soft | 6 | 44 |

Town of Colchester

Co 1 th. 413158N721606.1. Conn. State Highway Dept. Drilled 1953. Altitude 341 ft. Water level 0 ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, medium, and gravel | 5 | 5 |
| Sand, coarse, and gravel | 3 | 8 |
| Sand, medium to fine, brown and gravel | 4 | 12 |
| Sand, medium, gray; some silt and clay | 10 | 22 |

Co 2th. 413158N721606.2. Conn. State Highway Dept. Drilled 1959. Altitude 343 ft. Water level ½ ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, medium to fine, and silt | 3 | 3 |
| Boulder | 1 | 4 |
| Sand, medium to fine, brown; gravel and cobbles; trace of fine sand and silt | 8 | 12 |
| Sand, fine to medium, gray; gravel and cobbles; some silt | 9 | 21 |

Town of East Lyme

ELy3 th. 412213N721148.1. Conn. State Highway Dept. Drilled 1925. Altitude 0 ft. Water level 0 ft. One additional boring (not shown), 45 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 3½ | 3½ |
| Rock and gravel fill | 18 | 21½ |
| Sand | 18½ | 40 |
| Boulders and gravel | 8½ | 48½ |

Table 4.--Logs of test holes--Continued

Town of East Lyme--Continued

ELy 5 th. 412213N721148.2. Conn. State Highway Dept. Drilled 1925. Altitude 0 ft. Water level 1 ft. One additional boring (not shown), 45 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Cobbles and coarse gravel | 10 | 10 |
| Gravel | 21 | 31 |
| Gravel, hard; rock and sand | 8½ | 39½ |

ELy 15 th. 412211N721209.1. Conn. State Highway Dept. Drilled 1956. Altitude 36 ft. Water level 4? ft. Thirteen additional borings (not shown), 6 to 25 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, coarse to fine, brown; some silt; trace of medium to fine gravel (topsoil) | 4 | 4 |
| Gravel, medium to fine, gray; some coarse to fine sand; little silt | 3½ | 7½ |
| Boulder | 2 | 9½ |
| Sand, coarse to fine, gray; some medium to fine gravel; trace of silt | 3± | 12½± |
| Sand, medium to fine, gray; little medium to fine gravel; little silt | 4± | 16½ |
| Boulder | 1 | 17½ |
| Gravel, medium to fine, light-brown; some silt; little sand (till?) | 3½ | 21 |
| Granite, hard | 5 | 26 |

ELy 22 th. 412126N721252.1. Conn. State Highway Dept. Drilled 1956. Altitude 34 ft. Water level 1½ ft. Two additional borings (not shown), 42 and 45 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Peat, dark-brown; some organic silt | 1½ | 1½ |
| Sand, coarse to fine, tan-gray | 26½ | 28 |
| Sand, medium-fine, tan-gray | 3½ | 31½ |
| Sand, coarse to medium, light brown | 5 | 36½ |
| Sand, medium to fine, gray | 5 | 41½ |
| Sand, coarse to fine, gray; trace of fine gravel | 5 | 46½ |
| Sand, coarse to fine, gray; trace of silt | 10 | 56½ |
| Sand, fine, gray, and gray silt; trace of clay | 5 | 61½ |

ELy 26 th. 412011N721430.1. Conn. State Highway Dept. Drilled 1956. Altitude 36 ft. Water level 7? ft. Two additional borings (not shown), 44 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam and cobbles | 2 | 2 |
| Sand, gravel and silt | 2 | 4 |
| Sand, coarse, brown | 3 | 7 |
| Sand, gravel and silt | 15 | 22 |
| Sand, medium | 2 | 24 |
| Sand, gravel and silt | 6 | 30 |
| Sand, medium | 3 | 33 |
| Sand, gravel and silt | 32 | 65 |

ELy 27 th. 412011N721430.2. Conn. State Highway Dept. Drilled 1956. Altitude 37 ft. Water level 8? ft. Two additional borings (not shown), 44 ft deep at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand and gravel | 3 | 3 |
| Silt and coarse sand | 2 | 5 |
| Silt, coarse sand and gravel | 10 | 15 |
| Sand, coarse | 4 | 19 |
| Sand, coarse and gravel | 19 | 38 |

ELy 35 th. 411849N721306.1. Conn. State Highway Dept. Drilled 1933. Altitude 6? ft. Water level 0 ft. Seven additional borings (not shown), 19 to 51 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Not logged | 7 | 7 |
| Clay, blue, and mud (estuarine deposit) | 13 | 20 |
| Sand, white and yellow | 17 | 37 |
| Sand, fine | 13 | 50 |

ELy 36 th. 411849N721306.2. Conn. State Highway Dept. Drilled 1933. Altitude 6 ft. Water level 0 ft. Seven additional borings (not shown), 19 to 51 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water (?) | 8 | 8 |
| Clay, blue, and mud (estuarine deposit) | 21 | 29 |
| Sand, white and brown | 6 | 35 |
| Sand, fine | 17 | 52 |

Town of Franklin

Fr 12 th. 413351N720734.1. Conn. State Highway Dept. Drilled 1953. Altitude 106 ft. Water level 5? ft. Eight additional borings (not shown), 39 to 60 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam | 2 | 2 |
| Gravel | 4½ | 6½ |
| Sand, medium and fine; some silt; very little gravel | 10 | 16½ |
| Sand, medium; some silt | 23 | 39½ |
| Sand, medium and coarse; some silt | 43 | 82½ |
| Sand, medium, brown; some silt | 6 | 88½ |

Fr 17 th. 413351N720734.2. Conn. State Highway Dept. Drilled 1953. Altitude 105 ft. Water level 4? ft. Eight additional borings (not shown), 39 to 60 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 1½ | 1½ |
| Gravel, fine; some silt | 8½ | 10 |
| Gravel, fine; coarse sand and silt | 11 | 21 |
| Sand, medium to coarse and silt | 30 | 51 |
| Sand, medium to fine, brown, silt | 28 | 79 |
| Rock | 3 | 82 |

Town of Groton

Gt 2 th. 412234N720238.1. Conn. State Highway Dept. Drilled 1941. Altitude 29 ft. Water level 0 ft. One additional boring (not shown), 28 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 1 | 1 |
| Mud (alluvium) | 3 | 4 |
| Gravel and sand | 21 | 25 |

Gt 11 th. 412149N720511.1. Conn. State Highway Dept. Drilled 1940. Altitude 0 ft. Water level 0 ft. Thirty-six additional borings (not shown), 9 to 181 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 22 | 22 |
| Silt, organic (estuarine deposit) | 12 | 34 |
| Sand, coarse to medium, brown to gray | 27 | 61 |
| Sand, fine, brown | 30 | 91 |
| Sand, very fine, brown | 16 | 107 |
| Sand, fine, gray, micaceous | 13 | 120 |
| Sand, coarse, brown | 1 | 121 |
| Granite | 20 | 141 |

Gt 13 th. 412149N720501.1. Conn. State Highway Dept. Drilled 1940. Altitude 28 ft. Water level 25? ft. Thirty-six additional borings (not shown), 9 to 181 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel and cobbles | 4 | 4 |
| Sand, fine to medium; some clay | 17 | 21 |
| Sand, fine; some clay | 36 | 57 |
| Sand, medium and clay (hardpan) | 16½ | 73½ |
| Rock | 5 | 78½ |

Gt 20 th. 412225N720258.1. Conn. State Highway Dept. Drilled 1941. Altitude 35 ft. Water level 0? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel, sand and silt | 7 | 7 |
| Silt | 2½ | 9½ |
| Sand, coarse, and silt | 2½ | 12 |
| Gravel and sand | 14 | 26 |

Gt 21 th. 412225N720258.2. Conn. State Highway Dept. Drilled 1941. Altitude 36 ft. Water level 1? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Silt | 2 | 2 |
| Gravel and sand | 24 | 26 |

Gt 37 th. 412322N720001.1 Conn. State Highway Dept. Drilled 1942. Altitude 129 ft. Water level 5? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand and cobble gravel | 10 | 10 |
| Sand, gravel, cobbles and silt (till?) | 7 | 17 |
| Gravel, sand and silt (till?) | 7½ | 24½ |
| Hardpan | 15 | 39½ |

Gt 38 th. 412323N715904.1. Conn. State Highway Dept. Drilled 1942. Altitude 72 ft. Water level 0? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Mud, gravel, sand, silt and cobbles | 10 | 10 |
| Boulders | 3 | 13 |
| Sand and silt | 3 | 16 |
| Rock | 5 | 21 |

Gt 40 th. 412321N715825.1. Conn. State Highway Dept. Drilled 1942. Altitude 23 ft. Water level 1? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black | 1 | 1 |
| Gravel, sand, and gray silt | 20 | 21 |
| Sand, medium, and gray to yellow silt | 16 | 37 |
| Sand, medium to coarse, and yellow silt | 5 | 42 |
| Sand, medium and gray silt | 12 | 54 |

Gt 43 th. 412224N715801.1. Conn. State Highway Dept. Drilled 1961. Altitude 0 ft. Water level 0 ft. Twenty additional borings (not shown), 31-105 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 2 | 2 |
| Muck and peat | 7 | 9 |
| Sand, fine to coarse, gray and gravel | 4½ | 13½ |
| Sand, fine to coarse, brown; some gravel; little silt (till?) | 14½ | 28 |
| Granite gneiss, soft, gray | 12 | 40 |

Gt 45 th. 412224N715759.1. Conn. State Highway Dept. Drilled 1961. Altitude 0 ft. Water level 0 ft. Twenty additional borings (not shown), 31 to 105 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 4½ | 4½ |
| Sand, fine to coarse, gray-brown; muck and gravel; shells (estuarine deposits) | 10 | 14½ |
| Sand, fine to coarse, brown, and gravel; some boulders; trace of silt (till?, 49 to 69 ft) | 55 | 69½ |
| Granite, fine-grained, pink | 14 | 83½ |

Gt 77 th. 412136N720227.1. Conn. State Highway Dept. Drilled 1962. Altitude 21 ft. Water level 0 ft. Thirty-two additional borings (not shown), 64 to 156 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 6 | 6 |
| Peat, dark brown to brownish-black (lake-bottom deposit) | 17½ | 23½ |
| Sand, coarse to fine, brown; little medium to fine gravel; trace of silt | 5 | 28½ |
| Gravel, medium to fine, brown to gray-brown; some coarse to fine sand; little silt | 16 | 44½ |
| Sand, coarse to fine, brown to gray-brown; some coarse to fine gravel; trace of silt | 24½ | 69 |
| Sand, coarse to fine, gray to gray-brown; some medium to fine gravel; trace of silt | 10½ | 79½ |
| Sand, coarse to fine, gray-brown; little coarse to fine gravel; little silt (boulder from 85 to 85½ ft) (till?) | 24 | 103½ |
| Granite gneiss, gray | 5 | 108½ |

Gt. 80 th. 412137N720235.1. Conn. State Highway Dept. Drilled 1962. Altitude 36 ft. Water level 15 ft. Thirty-two additional borings (not shown), 64 to 156 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black | 2 | 2 |
| Gravel, coarse to fine, gray; some coarse to fine sand; little silt | 16½ | 18½ |
| Sand, coarse to fine, gray to brownish-gray; some gray, coarse to fine gravel; trace of silt | 15 | 33½ |
| Sand, coarse to fine, brown, and coarse to fine gravel; little silt | 25 | 58½ |
| Sand, coarse to fine, brown; some coarse to fine gravel; trace of silt | 8 | 66½ |
| Sand, fine, gray; some silt | 7 | 73½ |
| Gravel, coarse to fine, gray, and coarse to fine sand; some silt (till?) | 4½ | 78 |
| Schist, micaceous, quartzose | 5 | 83 |

Table 4.--Logs of test holes--Continued

Town of Groton--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| **Gt 86 th. 412140N720202.1. Conn. State Highway Dept. Drilled 1962. Altitude 33 ft. Water level 10 ft. Six additional borings (not shown), 38 to 108 ft deep, at this site.** | | |
| Topsoil, brown | 1½ | 1½ |
| Sand, coarse to fine, gray, and medium to fine gravel; trace of silt | 21½ | 23 |
| Sand, coarse to fine, gray to brown; trace of medium-fine gravel; trace of silt | 20 | 43 |
| Sand, coarse to fine, gray; some coarse to fine gravel; trace of silt | 16 | 59 |
| Sand, medium to fine, gray; little silt; some medium gravel 60 to 63 ft | 24 | 83 |
| Silt, gray; some fine sand; trace of coarse sand | 19½ | 102½ |
| Sand, coarse to fine, brown; little silt, trace of medium to fine gravel | 15 | 117½ |
| Gneiss, granitic | 5½ | 122 |
| **Gt 87 th. 412138N720202.1. Conn. State Highway Dept. Drilled 1962. Altitude 24 ft. Water level ½ ft. Six additional borings (not shown), 38 to 108 ft deep, at this site.** | | |
| Organic material, black to brown; little silt and medium to fine gravel | 3 | 3 |
| Gravel, coarse to fine, yellow-brown; some coarse to fine sand; little silt | 7 | 10 |
| Sand, coarse to fine, gray to gray-brown; some fine to medium gravel; trace of silt; no gravel 22 1/2-26 ft | 16 | 26 |
| Gneiss, granitic | 5½ | 31½ |
| Schist, micaceous, gray | 4½ | 36 |
| **Gt 89 th. 412140N720146.1. Conn. State Highway Dept. Drilled 1962. Altitude 28 ft. Water level 1 ft. Ten additional borings (not shown), 25½ to 66 ft deep, at this site.** | | |
| Silt, black and peat (lake-bottom deposit) | 7 | 7 |
| Sand, coarse to fine, gray, and gray medium to fine gravel; trace of silt | 11 | 18 |
| Sand, coarse to fine, gray; little medium to fine gravel; trace of silt | 22 | 40 |
| Gneiss, granitic | 5 | 45 |
| **Gt 92 th. 412143N720144.1. Conn. State Highway Dept. Drilled 1962. Altitude 33 ft. Water level 6 ft. Ten additional borings (not shown), 25½ to 66 ft deep, at this site.** | | |
| Sand, coarse to fine, black; little medium to fine gravel; trace of silt | 3 | 3 |
| Gravel, gray to brown; little coarse to fine sand; trace of silt | 17 | 20 |
| Sand, coarse to fine, brown to gray-brown; trace of medium to fine gravel; trace of silt | 7½ | 27½ |
| Gneiss, granitic | 5 | 32½ |
| **Gt 100 th. 412138N720322.1. Conn. State Highway Dept. Drilled 1962. Altitude 63 ft. Water level 1 ft. Nine additional borings (not shown), 30 to 74 ft deep at this site.** | | |
| Organic material, gray-brown; some silt; little medium to fine sand; trace of medium gravel (swamp deposit) | 2 | 2 |
| Sand, coarse to fine; gray; little fine to medium gravel; trace of silt (stratified drift?) | 26 | 28 |
| Sand, medium to fine, gray; little silt (stratified drift?) | 10 | 38 |
| Sand, coarse to fine, gray; little silt; trace of medium to fine gravel (till?) | 17 | 55 |
| Schist, micaceous | 5 | 60 |

Town of Ledyard

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| **Ly 5 th. 412451N720514.1. Conn. State Highway Dept. Drilled 1937. Altitude 0 ft. Water level 0 ft. One additional boring (not shown), 37½ ft deep, at this site.** | | |
| Water | 3 | 3 |
| Fill | 6 | 9 |
| Sand and mud | 20½ | 29½ |
| Sand and boulders (till?) | 3 | 32½ |
| Rock | 4 | 36½ |
| **Ly 6 th. 412451N720514.2. Conn. State Highway Dept. Drilled 1937. Altitude 0 ft. Water level 0 ft.** | | |
| Water | 10 | 10 |
| Mud (estuarine deposit?) | 28½ | 38½ |
| Mud and blue clay (estuarine deposit?) | 9 | 47½ |
| Sand and boulders (till?) | 3 | 50½ |
| **Ly 14 th. 412440N720157.1. Town of Groton. Drilled 1958. Altitude 96 ft. Water level 0 ft. Fifteen additional borings (not shown), 13 to 45 ft deep, at this site. Log from Metcalf & Eddy, Engineers.** | | |
| Water | 1 | 1 |
| Sand, coarse, brown, and gravel; some boulders | 11 | 12 |
| Sand, fine, brown | 11½ | 23½ |
| Sand, coarse, gray and boulders; little gravel (till?) | 11½ | 35 |
| Granite, micaceous | 10 | 45 |
| **Ly 23 th. 412456N720202.1. Town of Groton. Drilled 1958. Altitude 116 ft. Water level 1 ft. Seven additional borings (not shown), 18 to 58 ft deep, at this site. Log from Metcalf and Eddy, Engineers.** | | |
| Sand, fine to medium and gravel | 4 | 4 |
| Boulders and cobbles (wash water indicates sand and silt) | 11½ | 15½ |
| Sand, coarse, and gravel | 9½ | 25 |
| Sand, fine to medium, and gravel | 15 | 40 |
| Sand, fine; little medium sand | 18 | 58 |
| Granite | 10 | 68 |
| **Ly 27 th. 412507N720155.1. Town of Groton. Drilled 1958. Altitude 98 ft. Water level 0 ft. Two additional borings (not shown), 22 and 27 ft deep, at this site. Log from Metcalf and Eddy, Engineers.** | | |
| Sand, fine to medium, gray, and gravel; little silt | 5 | 5 |
| Sand, coarse and gravel (cobble, 24 to 26½ ft; no sample 26½ to 30 ft) | 35 | 40 |
| Sand, fine to coarse and gravel | 5 | 45 |
| Granite | 10 | 55 |

Town of Montville

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| **Mv 10 th. 412903N720700.1. Conn. State Highway Dept. Drilled 1955. Altitude 131 ft. Water level 8 ft. Four additional borings (not shown), 36 to 65 ft deep, at this site.** | | |
| Silt, black, and organic material | 1½ | 1½ |
| Sand and gravel; trace of silt | 5 | 6½ |
| Sand, fine, and a little coarse silt | 32½ | 39 |
| Sand, fine to medium; some fine gravel | 5 | 44 |
| Sand, fine to medium; little gravel; little silt. Granite, "sand stone," mica (rock fragments?) (till?) | 11 | 55 |
| Rock | 10 | 65 |
| **Mv 13 th. 412903N720700.2. Conn. State Highway Dept. Drilled 1955. Altitude 138 ft. Water level 12 ft. Four additional borings (not shown), 36 to 65 ft deep, at this site.** | | |
| Sand, fine; silt layers; trace of gravel | 3± | 3± |
| Sand and fine to medium gravel | 11± | 14± |
| Sand, fine; little medium sand | 14± | 28± |
| Sand, fine; trace of silt | 24½± | 52½ |
| Rock | 2½ | 55 |
| **Mv 17 th. 412737N720657.1. Conn. State Highway Dept. Drilled 1955. Altitude 53 ft. Water level 0 ft. Eight additional borings (not shown), 16 to 51 ft deep, at this site.** | | |
| Topsoil, brown, organic material, gravel and sand (alluvium) | 3± | 3± |
| Sand, fine to coarse and fine to medium gravel; trace of silt | 10± | 13± |
| Gravel, fine to coarse, and fine to coarse sand; trace of silt (till?) | 21± | 34 |
| Granite | 18 | 52 |
| **Mv 24 th. 412630N720704.1. Conn. State Highway Dept. Drilled 1955. Altitude 76 ft. Water level 6 ft. Six additional borings (not shown), 17 to 33 ft deep, at this site.** | | |
| Organic material, dark brown to black; little coarse gravel; trace of yellow silt (topsoil) | 3± | 3± |
| Sand, coarse to fine, brown; some fine to medium gravel | 5± | 8± |
| Sand, fine, brown; some fine gravel | 5± | 13± |
| Sand, fine to coarse, dark-gray; some fine to medium gravel (till?) | 6± | 19 |
| Granite | 5 | 24 |
| **Mv 31 th. 412623N720706.1. Conn. State Highway Dept. Drilled 1955. Altitude 65 ft. Water level 2 ft. Four additional borings (not shown), 28 to 36 ft deep, at this site.** | | |
| Organic material, black | 3± | 3± |
| Sand, fine to coarse, dark reddish-brown, and fine to coarse gravel | 4± | 7± |
| Silt, dark-gray to dark-yellow; some clay; trace of fine sand | 11± | 18± |
| Sand, fine, light-gray | 5± | 23± |
| Sand, coarse, light-gray; some gravel; little medium sand | 20± | 43 |
| Granite | 5 | 48 |
| **Mv 32 th. 412623N720706.2. Conn. State Highway Dept. Drilled 1955. Altitude 64 ft. Water level 0 ft. Four additional borings (not shown), 28 to 36 ft deep, at this site.** | | |
| Gravel, coarse to fine, loose; some coarse sand | 3± | 3± |
| Gravel, coarse to fine, loose, and fine to coarse sand (predominantly fine sand); little silt | 15± | 18± |
| Sand, fine; trace of fine gravel; trace of silt | 5± | 23± |
| Silt, coarse; some fine sand; trace of clay | 5± | 28± |
| Sand, coarse; little fine gravel | 5± | 33± |
| Gravel, coarse to fine, loose; some fine to coarse sand; trace of silt | 13± | 46 |
| Rock (basalt and quartz) | 5 | 51 |
| **Mv 37 th. 412623N720706.3. Conn. State Highway Dept. Drilled 1955. Altitude 70 ft. Water level 2 ft. Four additional borings (not shown), 28 to 36 ft deep, at this site.** | | |
| Silt; some clay; trace of organic material (topsoil) | 2± | 2± |
| Clay, dark-yellow and silt; little fine sand | 2± | 4± |
| Sand, fine to coarse; some gravel; trace of silt | 14± | 18± |
| Sand, coarse to medium, light-gray; some fine to medium gravel (till?) | 12± | 30 |
| Rock | 15 | 45 |
| **Mv 46 th. 412824N720659.1. Conn. State Highway Dept. Drilled 1956. Altitude 107 ft. Water level unknown. Three additional borings (not shown), 10 to 15 ft deep, at this site.** | | |
| Muck | 2 | 2 |
| Sand, coarse to fine, tan, and gravel | 13 | 15 |
| **Mv 50 th. 412915N720658.1. Conn. State Highway Dept. Drilled 1965. Altitude 137 ft. Water level 3½ ft. Four additional borings (not shown), 37 to 39 ft deep, at this site.** | | |
| Topsoil, dark-brown, silty; trace of fine sand | 2 | 2 |
| Silt, brown; little fine sand | 3 | 5 |
| Gravel, medium to fine, gray-brown; some coarse to fine sand; trace of silt | 7 | 12 |
| Sand, fine, gray to brown; some medium to coarse sand; little silt; little gravel | 11 | 23 |
| Sand, fine to coarse, brown; some gravel; little silt; cobbles (till?) | 5 | 28 |
| Gneiss, hard, white, pink and grey | 9½ | 37½ |

Table 4.--Logs of test holes--Continued

Town of Montville--Continued

Mv 55 th. 412915N720654.1. Conn. State Highway Dept. Drilled 1965. Altitude 135 ft. Water level 3 ft. Four additional borings (not shown), 37 to 39 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Silt, dark-brown to gray; little fine sand (topsoil) | 4 | 4 |
| Sand, fine to coarse, gray-brown, and gravel; some silt; cobbles | 6 | 10 |
| Sand, fine, brown to gray; some silt; little medium to coarse sand; little gravel | 21 | 31 |
| Sand, fine to coarse, gray; little silt; little gravel (predominantly fine gravel) | 39 | 70 |
| Gravel, gray and sand; little silt; few cobbles | 10 | 80 |
| Gneiss, gray, medium to hard | 10 | 90 |

Mv 57 th. 412907N720624.1. Conn. State Highway Dept. Drilled 1965. Altitude 141 ft. Water level 8 ft. Five additional borings (not shown); 22 to 38 feet, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, dark-brown, sandy | 4 | 4 |
| Sand, fine, yellow-brown; trace of fine gravel; trace of silt | 10 | 14 |
| Sand, fine to coarse, brown-gray; some silt; some gravel; cobbles (till?) | 18 | 32 |
| Sand, coarse to fine, brown-gray; some silt; little gravel; cobbles (till) | 3 | 35 |

Mv 65 th. 412858N720600.1. Conn. State Highway Dept. Drilled 1965. Altitude 133 ft. Water level 4± ft. Four additional borings (not shown), 23 to 37 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, sandy, dark-brown | 3 | 3 |
| Sand, coarse to fine, reddish-brown; some gravel; little silt; cobbles (boulder; 13 to 15½ ft) | 12½ | 15½ |
| Sand, fine to coarse, gray to gray-brown (predominantly fine sand); some gravel; some silt; cobbles (till?) | 19½ | 35 |
| Silt, gray; some fine to coarse sand; little gravel; cobbles (till) | 15 | 50 |
| Gneiss, gray-brown | 10 | 60 |

Mv 86 th. 412854N720433.1. Conn. State Highway Dept. Drilled 1965. Altitude 2 ft. Water level 0 ft. Nineteen additional borings (not shown), 10 to 162 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 20½ | 20½ |
| Silt, black, organic; trace of fine sand (estuarine deposit) | 12½ | 33 |
| Sand, coarse to fine, dark-gray; little gravel; little silt; shell fragments (estuarine deposit) | 12 | 45 |
| Sand, fine, gray-brown to gray; little silt | 19 | 64 |
| Sand, fine to coarse, gray-brown; some fine to medium gravel; some silt (boulder, 70 to 72½ ft) (till) | 9½ | 73½ |
| Granite gneiss | 20 | 93½ |

Mv 88 th. 412854N720430.1. Conn. State Highway Dept. Drilled 1965. Altitude 3 ft. Water level 0 ft. Nineteen additional borings (not shown), 10 to 162 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 14 | 14 |
| Silt, black; trace of fine sand; shells (estuarine deposit) | 13 | 27 |
| Sand, fine, brown to gray-brown; little medium to coarse sand; little silt; little peat (estuarine deposit) | 16 | 43 |
| Peat, brown and thin layers of fine, gray sand (estuarine deposits) | 31 | 74 |
| Sand, fine, gray; trace of silt | 5 | 79 |
| Sand, fine to coarse, gray to gray-brown; little silt; trace of fine to medium gravel | 13 | 92 |
| Sand, fine to coarse, brown; some fine to medium gravel; trace of silt | 16½ | 108½ |
| Granite, pink | 10 | 118½ |

Mv 92 th. 412951N720611.1. Conn. State Highway Dept. Drilled 1964. Altitude 18 ft. Water level 3½ ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, gray; little gravel; little silt | 5 | 5 |
| Gravel, coarse to fine, gray, and coarse to fine sand; trace of silt | 10 | 15 |
| Gravel, fine to coarse, gray; some coarse to fine sand; trace of silt; few cobbles | 6 | 21 |
| Gravel, fine to medium, gray to tan, and fine to coarse sand; trace of silt; few cobbles | 4½ | 25½ |

Town of New London

NL 13 th. 412148N720534.1. Conn. State Highway Dept. Drilled 1940. Altitude 6 ft. Water level 6 ft. Thirty-six additional borings (not shown), 9 to 181 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Fill | 6 | 6 |
| Gravel, sand and silt | 13 | 19 |
| Sand, medium brown; some silt; little fine gravel | 14 | 33 |
| Sand, coarse to fine, gray; some silt | 16 | 49 |
| Sand, medium to coarse, gray | 5 | 54 |
| Gravel, medium and sand; some clay | 3 | 57 |
| Boulder, coarse sand and fine gravel (till) | 7 | 64 |
| Rock | 5 | 69 |

NL 18 th. 412159N720635.1. Conn. State Highway Dept. Drilled 1955. Altitude 72 ft. Water level 8 ft. Nine additional borings (not shown), 30 to 43 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Fill | 5 | 5 |
| Loam and roots | ½ | 5½ |
| Sand, medium to fine, gray, and silt | 7½ | 13 |
| Gravel, sandy | 12 | 25 |
| Sand, medium, gray | 2 | 27 |
| Sand, gray, and gravel | 3 | 30 |
| Rock, gray, hard | 8 | 38 |

NL 21 th. 412204N720659.1. Conn. State Highway Dept. Drilled 1957. Altitude 94 ft. Water level 9? ft. Five additional borings (not shown), 24 to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel, tan, and sand; some boulders | 8 | 8 |
| Gravel, sand, silt and cobbles | 15 | 23 |
| Gravel, brown-gray, sand and silt | 19 | 42 |
| Rock, gray, hard | 4 | 46 |

NL 23 th. 412207N720657.1. Conn. State Highway Dept. Drilled 1957. Altitude 88 ft. Water level 3? ft. Five additional borings (not shown), 24 to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel, sand and cobbles (fill) | 10 | 10 |
| Sand, fine, tan, and silt | 4 | 14 |
| Gravel, tan, sand, silt and cobbles | 8 | 22 |
| Gravel, tan, and sand | 10 | 32 |
| Hardpan | 3 | 35 |
| Rock, gray | 9 | 44 |

NL 24 th. 412212N720720.1. Conn. State Highway Dept. Drilled 1955. Altitude 139 ft. Water level 10? ft. Four additional borings (not shown), 27 to 55 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam, cobbles and boulders | 3 | 3 |
| Gravel and sand | 2 | 5 |
| Sand, medium, gray; silt, and gravel | 15 | 20 |
| Sand, medium to fine, gray; silt and cobbles | 14 | 34 |
| Sand, medium to coarse, gray; silt and gravel | 12 | 46 |
| Sand, medium to coarse, gray, and silt | 19 | 65 |

NL 25 th. 412214N720722.1. Conn. State Highway Dept. Drilled 1955. Altitude 147 ft. Water level 17? ft. Four additional borings (not shown), 27 to 55 feet deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil and fill | 3 | 3 |
| Loam, boulders, cobbles, and gravel (old ground) (fill?) | 6 | 9 |
| Silt, clayey, gray | 2½ | 11½ |
| Gravel, boulders, cobbles, sand, and silt | 9 | 20½ |
| Sand, medium to fine, gray, and silt; some gravel | 11 | 31½ |
| Sand, medium to fine, gray, and silt | 22 | 53½ |

Town of North Stonington

NSn 9 th. 412716N714852.1. Conn. State Highway Dept. Drilled 1964. Altitude 72 ft. Water level 1½ ft. One additional boring (not shown), 90 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, fine to coarse, brown, and fine to coarse gravel; few cobbles | 6 | 6 |
| Sand, fine to coarse, tan to orange; little gravel; trace of silt | 28½ | 34½ |
| Sand, fine to coarse, tan | 20 | 54½ |
| Sand, fine, orange-brown; some silt | 5 | 59½ |
| Sand, fine to coarse; some fine to coarse gravel; trace of silt; few cobbles and decomposed rock fragments (till) | 8 | 67½ |
| Granite, quartzitic | 7 | 74½ |

NSn 10 th. 412716N714852.2. Conn. State Highway Dept. Drilled 1964. Altitude 71 ft. Water level 1½ ft. One additional boring (not shown), 90 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 1 | 1 |
| Sand, coarse, to fine, brown to orange-tan, and gravel; little silt; few cobbles and decomposed rock fragments | 27 | 28 |
| Sand, fine, tan; little coarse sand; trace of silt | 13½ | 41½ |
| Sand, coarse to fine, orange, and fine to medium gravel; trace of silt; trace of coarse gravel | 14½ | 56 |
| Sand, fine, brown to gray; some coarse sand; trace of silt | 32 | 88 |
| Sand, fine to coarse, gray-brown; some silt; some gravel; few cobbles (till) | 12 | 100 |
| Rock, gray-green, decomposed | 3 | 103 |

NSn 23 th. 412801N715455.1. Conn. State Highway Dept. Drilled 1957. Altitude 200 ft. Water level 0? ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, silt and cobbles | 4 | 4 |
| Gravel and cobbles; some sand and silt | 7 | 11 |
| Gravel, sand, silt and cobbles (no recovery) | 19 | 30 |

NSn 24 th. 412500N715059.1. Conn. State Highway Dept. Drilled 1961. Altitude 45 ft. Water level 1½ ft. One additional boring (not shown), 22 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand and silt, black (alluvium) | 2 | 2 |
| Sand, fine, brown; little coarse sand; little silt; trace of fine gravel | 21 | 23 |
| Sand, fine, brown; some coarse sand; trace of silt | 3½ | 26½ |

NSn 25 th. 412502N715100.1. Conn. State Highway Dept. Drilled 1961. Altitude 51 ft. Water level 5 ft. One additional boring (not shown), 22 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, coarse to fine, brown, and medium to fine gravel; trace of silt; scattered cobbles and boulders | 10 | 10 |
| Sand, coarse to fine, and coarse to fine gravel; trace of silt | 15 | 25 |
| Sand, fine to coarse, brown; little medium to fine gravel; little silt | 15 | 40 |

NSn 31 th. 412512N715042.1. Conn. State Highway Dept. Drilled 1962. Altitude 81 ft. Water level 17 ft. Seven additional borings (not shown), 26 to 35 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, fine, brown; little coarse sand; trace of silt | 7½ | 7½ |
| Silt, grayish-brown; some fine sand | 7 | 14½ |
| Sand, coarse to fine, grayish-brown, and medium to fine gravel; little silt | 6 | 20½ |
| Gravel, coarse to fine, brown; some coarse to fine sand; trace of silt | 20½ | 41 |
| Granite | 10 | 51 |

NSn 37 th. 412624N714800.1. Conn. State Highway Dept. Drilled 1961. Altitude 62 ft. Water level 6? ft. Six additional borings (not shown), 20 to 34 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, fine, brown; some coarse sand; trace of silt; trace of fine to medium gravel | 8 | 8 |
| Sand, coarse to fine, brown to grayish-brown, and fine to medium gravel | 10 | 18 |
| Rock, decomposed (granite) | 17 | 35 |

NSn 38 th. 412742N715434.1. Conn. State Highway Dept. Drilled 1957. Altitude 174 ft. Water level 0? ft. Two additional borings (not shown), 21 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand and silt | 3 | 3 |
| Gravel, tan and sand | 5 | 8 |
| Gravel, gray, coarse; cobbles | 21 | 29 |
| Gravel; cobbles and boulder (till?) | 4 | 33 |

Table 4.--Logs of test holes--Continued

Town of Norwich

Nwh 7 th. 413258N720629.1. Conn. State Highway Dept. Drilled 1955. Altitude 87 ft. Water level 1 ft. Five additional borings (not shown), 38 to 56 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Silt, black; some fine sand | 3± | 3± |
| Sand, fine to coarse, and fine to coarse gravel; little silt | 15± | 18± |
| Sand, fine to coarse, and fine to medium gravel; trace of silt | 15± | 33± |
| Sand, fine to coarse, and fine to coarse gravel; little silt | 5± | 38± |
| Silt and fine sand; some fine to medium gravel | 10± | 48 |
| Rock | 10 | 58 |

Nwh 11 th. 413258N720629.2. Conn. State Highway Dept. Drilled 1955. Altitude 85 ft. Water level 0 ft. Five additional borings (not shown), 38 to 56 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 5 | 5 |
| Sand, fine to coarse, and fine to coarse gravel; trace of silt | 8± | 13± |
| Gravel, fine to coarse; some coarse sand; trace of silt | 9± | 22± |
| Sand, fine to coarse, and fine to medium gravel; trace of silt | 7± | 29 |
| Rock | 10 | 39 |

Nwh 27 th. 413035N720701.1. Conn. State Highway Dept. Drilled 1955. Altitude 80 ft. Water level 13? ft. Three additional borings (not shown), 41 to 45 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, silty, black, and fine to medium sand | 2± | 2± |
| Sand, and fine to medium gravel; trace of silt | 21± | 23± |
| Sand, medium to coarse | 6± | 29± |
| Sand; some boulder fragments (till) | 5½± | 34½ |
| Rock | 5½ | 40 |

Nwh 30 th. 413035N720701.2. Conn. State Highway Dept. Drilled 1955. Altitude 75 ft. Water level 10 ft. Three additional borings (not shown), 41 to 45 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black, and fine sandy silt | 3± | 3± |
| Silt and fine sand | 10± | 13± |
| Sand, fine to coarse; some fine to medium gravel; little silt | 15± | 28± |
| Sand, fine; little medium gravel; little silt | 7± | 35 |
| Rock | 6 | 41 |

Nwh 32 th. 413019N720655.1. Conn. State Highway Dept. Drilled 1955. Altitude 89 ft. Water level 30 ft. One additional boring (not shown), 31 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Silt, black; little fine sand | 4± | 4± |
| Sand, fine to medium, brown; trace of fine to coarse gravel; trace of silt | 6± | 10± |
| Sand, fine to coarse, gray, and fine to coarse gravel; trace of silt | 10± | 20± |
| Sand, fine, gray; little silt | 23± | 43± |

Nwh 33 th. 413003N720658.1. Conn. State Highway Dept. Drilled 1955. Altitude 32 ft. Water level 4 ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black | 3± | 3± |
| Sand, fine to coarse, brown, and fine to medium gravel; little silt | 5± | 8± |
| Sand, fine, brown; some silt | 20± | 28± |
| Silt, coarse, and fine sand | 3½± | 31½ |

Nwh 34 th. 413003N720658.2. Conn. State Highway Dept. Drilled 1955. Altitude 32½ ft. Water level 8 ft.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black | 3± | 3± |
| Sand, fine to coarse, gray, and fine gravel; trace of silt | 5± | 8± |
| Sand, fine, and coarse gravel | 14± | 22± |
| Silt, coarse; some fine sand | 9½± | 31½ |

Nwh 37 th. 413239N720526.1. Conn. State Highway Dept. Drilled 1955. Altitude 77 ft. Water level 4 ft. Four additional borings (not shown), 90 to 105 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 1 | 1 |
| Sand, fine, brown; some silt | 7 | 8 |
| Sand, medium to fine, brown; little silt; little fine gravel | 9 | 17 |
| Sand, fine, gray to brown; little silt | 40 | 57 |
| Sand, coarse to fine, gray-brown; little silt; little gravel (compact) | 34 | 91 |
| Sand, fine, gray-brown, micaceous; little silt (compact) | 6 | 97 |
| Sand, fine, gray; little silt; little gravel (compact) | 18 | 115 |

Nwh 40 th. 413239N720526.2. Conn. State Highway Dept. Drilled 1955. Altitude 77 ft. Water level 4 ft. Four additional borings (not shown), 90 to 105 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 1 | 1 |
| Sand, coarse, brown; some gravel; little fine sand | 16 | 17 |
| Sand, fine, gray to brown; little silt | 35 | 52 |
| Sand, medium to fine, brown, and gravel; some silt (compact) | 4 | 56 |
| Sand, fine and coarse, brown; some gravel; trace of silt (compact) | 17 | 73 |
| Sand, fine brown; little silt; little gravel (compact) | 21 | 94 |
| Sand, fine, gray, and gravel; trace of silt (compact) (till?) | 6 | 100 |

Nwh 44 th. 413250N720652.1. Conn. State Highway Dept. Drilled 1956. Altitude 123 ft. Water level 15 ft. Five additional borings (not shown), 12 to 35½ ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 2 | 2 |
| Sand, fine, brown, and gravel; trace of silt (compact) | 22 | 24 |
| Sand, medium, gray, and medium gravel; trace of silt (compact) | 9 | 33 |
| Gneiss, seamy | 5 | 38 |

Nwh 49 th. 413246N720634.1. Conn. State Highway Dept. Drilled 1956. Altitude 138 ft. Water level 9? ft. Six additional borings (not shown), 5 to 29 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 1 | 1 |
| Sand, fine, brown; little fine gravel; little silt (compact) (till) | 11 | 12 |
| Sand, medium, brown, and gravel; trace of silt (compact) (till) | 6 | 18 |
| Sand, medium to fine, brown; trace of silt (compact) (till) | 3 | 21 |
| Sand, medium, brown and gravel; trace of silt (compact) (till) | 9 | 30 |
| Gneiss | 6 | 36 |

Nwh 75 th. 413124N720430.1. Conn. State Highway Dept. Drilled 1952. Altitude 0 ft. Water level 0 ft. Eleven additional borings (not shown), 13½ to 60 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 9 | 9 |
| Gravel, sand and silt | 7 | 16 |
| Sand, fine, and silt | 25½ | 41½ |
| Gravel and cobbles | 1 | 42½ |
| Sand, fine, and silt | 6 | 48½ |
| Rock | 10½ | 59 |

Nwh 82 th. 413124N720428.1. Conn. State Highway Dept. Drilled 1952. Altitude 14½ ft. Water level 14½ ft. Eleven additional borings (not shown), 13½ to 60 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Cinder fill | 4½ | 4½ |
| Sand, fine to coarse, and silt; trace of gravel | 3½ | 8 |
| Sand, fine, and silt | 4 | 12 |
| Gravel, sand, silt, and cobbles | 22 | 34 |
| Sand, fine, and silt | 18 | 52 |
| Gravel, sand, silt, and cobbles | 4 | 56 |

Nwh 90 th. 413342N720731.1. Conn. State Highway Dept. Drilled 1953. Altitude 117 ft. Water level unknown. Eight additional borings (not shown), 5 to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Rock and gravel (fill) | 7 | 7 |
| Gravel and coarse sand; some silt | 17 | 34 |
| Sand, medium to coarse; some silt | 7 | 41 |
| Rock | 3 | 44 |

Nwh 91 th. 413342N720731.2. Conn. State Highway Dept. Drilled 1953. Altitude 118 ft. Water level unknown. Eight additional borings (not shown), 5 to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Gravel and sand (fill) | 5 | 5 |
| Gravel and coarse sand; some silt or hardpan | 10 | 15 |
| Sand, medium to coarse, and silt | 35 | 50 |
| Rock | 1 | 51 |

Nwh 98 th. 413125N720416.1. Conn. State Highway Dept. Drilled 1952. Altitude 20 ft. Water level 17? ft. Twelve additional borings (not shown), 23½ to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Loam, sandy | 1½ | 1½ |
| Sand, fine, and silt (alluvium) | 15½ | 17 |
| Sand, fine to medium, and silt | 5½ | 22½ |
| Gravel, sand, silt and cobbles | 6½ | 29 |
| Gravel, sand and boulder (till?) | 2½ | 31½ |
| Rock | 10 | 41½ |

Nwh 104 th. 413124N720418.1. Conn. State Highway Dept. Drilled 1952. Altitude 16 ft. Water level 14½ ft. Twelve additional borings (not shown), 23½ to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, fine, and silt (alluvium) | 18 | 18 |
| Gravel, sand, silt and cobbles | 5 | 23 |
| Boulder, gravel, sand and silt (till?) | 6½ | 29½ |
| Rock | 7½ | 37 |

Nwh 106 th. 413123N720420.1. Conn. State Highway Dept. Drilled 1952. Altitude 16 ft. Water level 14½? ft. Twelve additional borings (not shown), 23½ to 38 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand, medium | 8 | 8 |
| Sand, medium to coarse | 14 | 22 |
| Sand and gravel | 3 | 25 |
| Boulders, sand and gravel (till?) | 8 | 33 |

Nwh 123 th. 413253N720631.1. Conn. State Highway Dept. Drilled 1955. Altitude 122 ft. Water level 24 ft. Five additional borings (not shown), 31 to 65 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil, black, silty; some fine gravel; some sand | 3± | 3± |
| Sand, fine to medium; trace of silt | 5± | 8± |
| Sand, fine to coarse; some fine to medium gravel; trace of silt | 16± | 24± |
| Sand, fine to medium, and medium gravel; little silt (compact) | 33± | 57 |
| Rock | 9½ | 66½ |

Nwh 127 th. 413244N720621.1. Conn. State Highway Dept. Drilled 1956. Altitude 108 ft. Water level 1 ft. Five additional borings (not shown), 8 to 23 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Topsoil | 3 | 3 |
| Sand, fine, brown; little silt; little gravel | 4 | 7 |
| Sand, fine, brown; some silt | 5 | 12 |
| Sand, fine, brown; little silt; little gravel (compact) (till) | 5 | 17 |
| Gneiss | 5 | 22 |

Nwh 129 th. 413250N720545.1. Conn. State Highway Dept. Drilled 1962. Altitude 88 ft. Water level 13? ft. Four additional borings (not shown), 32 to 46 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Sand and gravel (fill) | 12 | 12 |
| Silt, dark | 2 | 14 |
| Gravel, gray, and sand; some silt | 13 | 27 |
| Gravel, gray, cobbles, and sand; some silt; (cobbles and boulders 13-40 ft) | 21 | 48 |
| Cobbles, gray, small boulders, gravel, and sand; little silt (till) | 4 | 52 |
| Rock, hard, gray | 9 | 61 |

Nwh 132 th. 413326N720648.1. Conn. State Highway Dept. Drilled 1932. Altitude 96 ft. Water level 0 ft. Three additional borings (not shown), 36 to 43 ft deep, at this site.

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Water | 4 | 4 |
| Gravel, fine | 5½ | 9½ |
| Sand, fine, gray | 19 | 28½ |
| Gravel (hardpan) | 15 | 43½ |

Table 4.--Logs of test holes--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| **Town of Norwich--Continued** | | |
| Nwh 134 th. 413329N720709.1. Conn. State Highway Dept. Drilled 1936. Altitude 107 ft. Water level 12? ft. Five additional borings (not shown), 26 to 66 ft deep, at this site. | | |
| Gravel and boulders (hard) | 8 | 8 |
| Gravel; some brown sand; trace of clay | 23 | 31 |
| Gravel and brown sand | 11 | 42 |
| Rock | 4½ | 46½ |
| Nwh 135 th. 413329N720713.1. Conn. State Highway Dept. Drilled 1936. Altitude 113 ft. Water level 18? ft. Five additional borings (not shown), 26 to 66 ft deep, at this site. | | |
| Gravel (hard) | 49½ | 49½ |
| Rock | 5 | 54½ |
| Nwh 138 th. 413307N720637.1. Conn. State Highway Dept. Drilled 1959. Altitude 95 ft. Water level 11 ft. One additional boring (not shown), 68½ ft deep, at this site. | | |
| Gravel, sand, cobbles and boulders (fill) | 11 | 11 |
| Silt, brown, and wood chips | 2 | 13 |
| Sand, fine, tan; some silt | 11 | 24 |
| Sand, coarse to fine, tan and fine gravel; trace of silt | 26 | 50 |
| Gravel, fine, tan and gray; some sand; some silt | 13 | 63 |
| Sand, fine, tan to gray; some silt | 33 | 96 |
| Gneiss, gray | 4 | 100 |
| Nwh 141 th. 413253N720631.2. Conn. State Highway Dept. Drilled 1955. Altitude 122½ ft. Water level 22½ ft. Five additional borings (not shown), 31 to 65 ft deep, at this site. | | |
| Topsoil, black, silty, and medium gravel | 3± | 3± |
| Sand, fine to coarse; little fine to medium gravel; trace of silt | 10± | 13± |
| Sand, fine to coarse; some fine to medium gravel; little silt | 15± | 28± |
| Gravel, medium to coarse, and fine to medium sand; little silt | 6± | 34± |
| Sand, fine | 5± | 39 |
| Rock | 9 | 48 |
| **Town of Old Lyme** | | |
| OL 17 th. 411718N721731.1. Conn. State Highway Dept. Drilled 1937. Altitude 6 ft. Water level 27 ft. One additional boring (not shown), 25 ft deep, at this site. | | |
| Gravel fill and mud | 10½ | 10½ |
| Mud (soft) | 6½ | 17 |
| Sand, brown, and hard gravel (till?) | 4½ | 21½ |
| Rock | 11 | 32½ |
| OL 18 th. 411922N721531.1. Conn. State Highway Dept. Drilled 1947. Altitude 46 ft. Water level 0? ft. One additional boring (not shown), 20½ ft deep, at this site. | | |
| Silt, brown, and fine sand | 2 | 2 |
| Sand, medium gray, and silt | 2 | 4 |
| Gravel, sand and silt | 6 | 10 |
| Sand, fine to medium; some silt | 2 | 12 |
| Gravel and sand; some silt | 4 | 16 |
| Sand, fine to coarse | 4½ | 20½ |
| Boulder, sand and gravel (hardpan) (till) | 5½ | 26 |
| Rock | 5 | 31 |
| **Town of Preston** | | |
| Ps 103 th. 412854N720426.1. Conn. State Highway Dept. Drilled 1965. Altitude ½ ft. Water level 0 ft. Nineteen additional borings (not shown), 10 to 162 ft deep, at this site. | | |
| Water | 4½ | 4½ |
| Silt, black (estuarine deposit) | 8 | 12½ |
| Sand, fine to coarse, gray to gray-brown; little silt; trace of shells; trace of wood (estuarine deposit) | 10 | 22½ |
| Silt, gray and gray fine sand; some brown peat (estuarine deposit) | 39 | 61½ |
| Sand, fine to coarse, gray; little fine to medium gravel; trace of silt | 22 | 83½ |
| Sand, fine to coarse, brown; trace of silt | 11 | 94½ |
| Sand, fine brown; some silt | 33 | 127½ |
| Sand, fine to coarse, gray; some fine to medium gravel; little silt (till?) | 3 | 130½ |
| Granite, pink | 5 | 135½ |
| Ps 109 th. 412855N720420.1. Conn. State Highway Dept. Drilled 1965. Altitude 21 ft. Water level 21 ft. Nineteen additional borings (not shown), 10 to 162 ft deep, at this site. | | |
| Sand, fine, brown; little fine to medium gravel; little silt | 25 | 25 |
| Sand, fine to coarse; some fine to medium gravel; trace of silt | 28 | 53 |
| Gravel, medium to fine; some coarse to fine sand; trace of silt; cobbles | 29½ | 82½ |
| Sand, fine to coarse, brown; little silt | 11½ | 94 |
| Sand, fine, gray-brown; some silt; little fine gravel | 20½ | 114½ |
| Sand, fine to coarse, brown; trace of fine to medium gravel; trace of silt (compact material) | 38 | 152½ |
| Sand, fine to coarse, gray-brown; some fine to medium gravel; little silt; cobbles | 24 | 176½ |
| Ps 113 th. 412855N720417.1. Conn. State Highway Dept. Drilled 1965. Altitude 32 ft. Water level unknown. Nineteen additional borings (not shown), 10 to 162 ft deep, at this site. | | |
| Sand, coarse to fine, brown; some gravel; trace of silt | 23 | 23 |
| Sand, fine, brown; some silt | 29 | 52 |
| Sand, fine to coarse, brown; little fine gravel; trace of silt | 10 | 62 |
| Sand, fine brown; some silt | 10 | 72 |
| Sand, coarse to fine, brown to gray-brown; little gravel | 22 | 94 |
| Sand, coarse to fine, gray-brown | 9 | 103 |
| Sand, coarse to fine, brown, and fine to medium gravel; trace of silt | 10 | 113 |
| "Sandstone," gray and granite, pink | 5 | 118 |
| **Town of Stonington** | | |
| Sn 7 th. 412306N715001.1. Conn. State Highway Dept. Drilled 1952. Altitude 10± ft. Water level 0 ft. One additional boring (not shown), 45 ft deep, at this site. | | |
| Water | 3 | 3 |
| Gravel and sand (very hard) | 47½ | 50½ |
| Sn 13 th. 412032N715614.1. Conn. State Highway Dept. Drilled 1958. Altitude 0 ft. Water level 0 ft. Four additional borings (not shown), 35½ to 44 ft deep, at this site. | | |
| Water (ocean) | 14½ | 14½ |
| Muck, gray-brown (estuarine deposit) | 13½ | 28 |
| Gravel, coarse, sand, and silt | 25 | 53 |
| Rock, decomposed and soft; some hard quartz lenses | 8½ | 61½ |
| Sn 15 th. 412032N715614.2. Conn. State Highway Dept. Drilled 1958. Altitude 0 ft. Water level 0 ft. Four additional borings (not shown), 35½ to 44 ft deep, at this site. | | |
| Water (ocean) | 10 | 10 |
| Muck, gray to brown, peaty (estuarine deposit) | 19½ | 29½ |
| Sand, fine, gray, and fine gravel; trace of silt | 2 | 31½ |
| Sand, fine to medium, gray; trace of silt | 2½ | 34 |
| Sand; fine to coarse, gray; some coarse gravel; trace of silt | 6 | 40 |
| Gravel, coarse, gray; sand, silt, and cobbles (till?) | 8 | 48 |
| Gneiss, hard, granitic | 10 | 58 |
| Sn 43 th. 412017N715425.1. Conn. State Highway Dept. Drilled 1939. Altitude 4 ft. Water level 4? ft. Seventeen additional borings (not shown), 14 to 30 ft deep, at this site. | | |
| Loam, boulders and fill | 4 | 4 |
| Sand, brown, and clay | 15 | 19 |
| Boulder | 1½ | 20½ |
| Sand, brown, and clay (till?) | 5 | 25½ |
| Rock | 5½ | 30½ |
| Sn 48 th. 412333N715229.1. Conn. State Highway Dept. Drilled 1962. Altitude 47 ft. Water level 0 ft. Three additional borings (not shown), 11½ to 15 ft deep, at this site. | | |
| Water | 2 | 2 |
| Sand, fine to coarse, gray, and fine to coarse gravel; little silt; trace of clay | 3 | 5 |
| Sand, coarse to fine, brown to gray, and fine to coarse gravel; little silt | 6½ | 11½ |
| Rock, decomposed | 2 | 13½ |
| Gneiss, dark-gray, micaceous | 3 | 16½ |
| Sn 49 th. 412331N715225.1. Conn. State Highway Dept. Drilled 1962. Altitude 46½ ft. Water level 0 ft. Three additional borings (not shown), 11½ to 15 ft deep, at this site. | | |
| Water | ½ | ½ |
| Sand, coarse to fine, brown, and fine to coarse gravel; trace of silt | 8 | 8½ |
| Sand, fine to coarse, gray-brown; trace of fine gravel; trace of silt | 4 | 12½ |
| Sand, fine to coarse, brown to gray; some fine to coarse gravel; trace of silt | 6 | 18½ |
| Sn 59 th. 412225N715756.1. Conn. State Highway Dept. Drilled 1962. Altitude 0 ft. Water level 0 ft. Twenty additional borings (not shown), 31 to 105 ft deep, at this site. | | |
| Water | 2 | 2 |
| Sand, fine to coarse, gray-black; some fine to coarse gravel, little silt; trace of cobbles; trace of shells (estuarine deposit) | 4½ | 6½ |
| Sand, fine to coarse, brown; some fine to coarse gravel | 13 | 19½ |
| Sand, fine to coarse, gray-brown to yellowish-brown; trace of gravel | 18 | 37½ |
| Sand, medium to fine, gray-brown, brown and yellowish-brown; some coarse sand; trace of gravel; trace of silt | 41 | 78½ |
| Sand, coarse to fine, yellowish-brown; little fine to coarse gravel | 7 | 85½ |
| Gravel, coarse to fine, grayish-brown; some coarse to fine sand; few cobbles (till?) | 13½ | 99 |
| Gneiss, hard, gray-white, banded | 5 | 104 |
| Sn 62 th. 412223N715756.1. Conn. State Highway Dept. Drilled 1962. Altitude 1 ft. Water level 0 ft. Twenty additional borings (not shown) 31 to 105 ft deep, at this site. | | |
| Sand, coarse to fine, gray-brown; some gravel; trace of silt | 6 | 6 |
| Silt, gray-brown; some fine sand | 7½ | 13½ |
| Sand, coarse to fine, gray-yellow; little gravel | 10 | 23½ |
| Sand, medium to fine, gray-brown; little coarse sand | 39 | 62½ |
| Sand, coarse to fine, yellowish-gray; little gravel | 22 | 84½ |
| Sand, coarse to fine, gray, and gravel; boulder and cobbles (till) | 6½ | 91 |
| Gneiss, gray-white, banded | 1½ | 92½ |
| Sn 66 th. 412227N715658.1. Conn. State Highway Dept. Drilled 1961. Altitude 17 ft. Water level 0 ft. | | |
| Loam | 1½ | 1½ |
| Silt, brown; little fine sand | 12½ | 14 |
| Sand, medium to fine, brown, and gravel; some boulder chips (till?) | 9 | 23 |
| Gneiss, granitic, pink | 12 | 35 |
| Sn 68 th. 412245N715655.1. Conn. State Highway Dept. Drilled 1961. Altitude 17 ft. Water level 1 ft. Five additional borings (not shown), 27½ to 60 ft deep, at this site. | | |
| Loam, sand, silt and peat | 4½ | 4½ |
| Silt, gray; some fine sand | 3½ | 8 |
| Sand, medium to coarse | 9½ | 17½ |
| Rock, weathered, and boulder fragments | 2½ | 20 |
| Gneiss, granitic, gray and pink | 10 | 30 |

Table 4.--Logs of test holes--Continued

| | Thickness (feet) | Depth to bottom (feet) |
|---|---|---|
| Town of Stonington--Continued | | |
| Sn 84 th. 412212N714959.1. U.S. Army Corps of Engineers. Drilled 1958. Altitude 5½ ft. Water level 5 ft. | | |
| Fly-ash, blackish-brown, and cinders (fill) | 7 | 7 |
| Silt, gray | 3 | 10 |
| Gravel, sandy, brown | 6 | 16 |
| Sand, slightly gravelly, tan | 19 | 35 |
| Gravel, sandy, tan | 5 | 40 |
| Sn 87 th. 412224N715000.1. U.S. Army Corps of Engineers. Drilled 1958. Altitude 6 ft. Water level 4½ ft. | | |
| Sand, medium silty, gravelly; dark-brown (fill) | 4½ | 4½ |
| Sand, medium to fine, light-brown | 3 | 7½ |
| Sand, gravelly, light-brown | 4 | 11½ |
| Sand, light-brown to tan | 15 | 26½ |
| Sand, gravelly, brown | 4 | 30½ |
| Sn 91 th. 412208N715006.1. U.S. Army Corps of Engineers. Drilled 1958. Altitude 22 ft. Water level 19 ft. | | |
| Cinder fill | 18½ | 18½ |
| Silt | 2 | 20½ |
| Sand | 3 | 23½ |
| Gravel | 7½ | 31 |
| Sand, coarse to medium | 8 | 39 |
| Sand, fine | 1 | 40 |
| Sand | 10 | 50 |
| Sn 93 th. 412239N714956.1. Conn. State Highway Dept. Drilled 1932. Altitude 0 ft. Water level 0 ft. Two additional borings (not shown), 23½ and 40 ft deep, at this site. | | |
| Sand, coarse | 7 | 7 |
| Sand, fine | 4 | 11 |
| Sand, coarse (hard packed) | 14 | 25 |
| Sand, fine | 20 | 45 |
| Sn 95 th. 412239N714956.2. Conn. State Highway Dept. Drilled 1932. Altitude 0 ft. Water level 0 ft. Two additional borings (not shown), 23½ and 40 ft deep, at this site. | | |
| Water (?) | 1 | 1 |
| Sand, fine | 7 | 8 |
| Sand, fine, with clay | 10 | 18 |
| Sand, fine | 16 | 34 |
| Sand, very fine, brown | 13 | 47 |
| Sn 98 th. 412231N715734.1. Conn. State Highway Dept. Drilled 1961. Altitude 21 ft. Water level 15 ft. Fourteen additional borings (not shown), 26½ to 80 ft deep, at this site. | | |
| Loam | 1 | 1 |
| Sand, fine to coarse, brown, and gravel | 16½ | 17½ |
| Silt, coarse, brown, and brown fine sand | 35½ | 53 |
| Sand, fine, brown to gray; some coarse silt | 10 | 63 |
| Sand, fine, gray | 5 | 68 |
| Sand, fine, brown; little silt | 10 | 78 |
| Sand, fine, gray-brown; trace of gravel | 5 | 83 |
| Gneiss, gray | 10 | 93 |
| Town of Waterford | | |
| Wt 45 th. 412024N720826.1. Conn. State Highway Dept. Drilled 1956. Altitude 11 ft. Water level 0 ft. Four additional borings (not shown), 9 ½ to 26½ ft deep, at this site. | | |
| Water | 6 | 6 |
| Sand and swamp deposits | 3 | 9 |
| Sand, fine to medium white; trace of fine gravel | 7½ | 16½ |
| Sand, medium to coarse; white, trace of fine gravel; trace of fine sand | 13 | 29½ |
| Wt 52 th. 412230N721126.1. Conn. State Highway Dept. Drilled 1955. Altitude 37 ft. Water level 17 ft. Six additional borings (not shown), 31½ to 52½ ft deep, at this site. | | |
| Sand, coarse to medium, gravel, and boulders (fill) | 13 | 13 |
| Sand, coarse to medium, light-tan; little rock fragments; trace of rock flour (silt) | 7± | 20± |
| Sand, coarse to fine, gray-brown; little fine to medium gravel; trace of rock flour (silt) | 5± | 25± |
| Sand, coarse to medium, brown; little medium to fine gravel | 9± | 34± |
| Sand, coarse to fine, brown, and coarse gravel fragments | 5± | 39± |
| Sand, coarse to fine, light-brown; some medium to fine gravel | 7½ | 46½ |
| Sand, coarse to fine, and gray rock flour (silt) | 2½ | 49 |
| Ledge (?) | | at 49 |
| Wt 54 th. 412228N721126.1. Conn. State Highway Dept. Drilled 1955. Altitude 36 ft. Water level 19 ft. Six additional borings (not shown), 31½ to 52½ ft deep, at this site. | | |
| Silt, brown; some fine sand; trace of medium to fine gravel | 3 | 3 |
| Sand, coarse to medium, light-brown; some medium to fine gravel | 5 | 8 |
| Gravel, coarse to fine, light-brown; some coarse to medium sand | 15 | 23 |
| Gravel, coarse to fine, light-brown; some coarse to fine sand | 10 | 33 |
| Gravel, coarse to fine, gray-brown; some coarse sand | 5 | 38 |
| Sand, coarse to medium, gray; gray and brown rock fragments; little medium to fine gravel (till) | 8 | 46 |
| Gneiss, granitic | 11 | 57 |
| Wt 56 th. 412215N720724.1. Conn. State Highway Dept. Drilled 1955. Altitude 143 ft. Water level 132 ft. Four additional borings (not shown), 27 to 55 ft deep, at this site. | | |
| Loam | 3 | 3 |
| Gravel, cobbles, sand and boulders | 9 | 12 |
| Gravel, gray; sand and silt | 23 | 35 |
| Sand, medium to fine, gray, and silt; layers of gravel | 30 | 65 |
| Wt 57 th. 412203N720907.1. Conn. State Highway Dept. Drilled 1960. Altitude 60½ ft. Water level 0 ft. Three additional borings (not shown), 32½ to 49 ft deep, at this site. | | |
| Gravel, gray, and sand; trace of cobbles | 3 | 3 |
| Sand, coarse, gray-tan; trace of medium sand; some medium gravel | 6 | 9 |
| Sand, coarse to medium, gray to gray-tan; trace of fine gravel | 9 | 18 |
| Sand, medium to fine, tan-gray; trace of coarse sand | 7½ | 25½ |
| Sand, medium to coarse; little medium gravel | 6 | 31½ |
| Gravel, tan-gray, and sand; trace of silt; trace of cobbles; boulder (till) | 4 | 35½ |
| Rock, gray-white, hard | 4½ | 40 |
| Wt 67 th. 412356N720625.1. Conn. State Highway Dept. Drilled 1939. Altitude 0 ft. Water level 0 ft. Five additional borings (not shown), 34 to 39 ft deep, at this site. | | |
| Water (Thames River) | 6 | 6 |
| Mud (estuarine deposit?) | 27 | 33 |
| Sand, gray | 4½ | 37½ |
| Rock | 5½ | 43 |

Table 5.--Streamflow records at partial-record gaging stations

(The streamflow determinations listed in this table were made during periods when streamflow was derived primarily from ground-water discharge)

| | | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| 1182.55 | Green Fall River, at bridge on Putker Road, at Laurel Glen, Conn. Lat 41°28'20", long 71°49'00" Drainage area, 6.79 sq mi. | 4-11-63 | *11.2 | 8-16-63 | 1.5 | 3-25-64 | 11 | 7-20-64 | 2.5 |
| | | 5-10-63 | 14 | 8-20-63 | *1.84 | 5- 6-64 | 11 | 7-29-64 | 2.5 |
| | | 5-16-63 | *16.8 | 8-29-63 | .64 | 5-20-64 | 10 | 8-14-64 | 2.3 |
| | | 6-14-63 | 10 | 9-17-63 | .70 | 6- 2-64 | 4.7 | 9- 4-64 | *.44 |
| | | 6-21-63 | *7.91 | 9-24-63 | 1.2 | 6- 8-64 | *4.29 | 9- 9-64 | .44 |
| | | 7- 2-63 | 2.3 | 9-27-63 | *.70 | 6-17-64 | 2.4 | 9-22-64 | .50 |
| | | 7-17-63 | 1.75 | 11- 5-63 | 2.3 | 7- 1-64 | 1.0 | 10- 5-64 | *1.08 |
| | | 8- 1-63 | 2.8 | | | | | | |
| 1183.5 | Green Fall River, at bridge on State Highway 216, at Clarks Falls, Conn. Lat 41°27'17", long 71°48'52" Drainage area, 19.8 sq mi. | 10- 5-60 | *10.6 | 6-14-63 | 21 | 9-27-63 | *2.12 | 7-20-64 | 4.7 |
| | | 7-18-61 | *14.4 | 7- 2-63 | 7.4 | 11- 5-63 | 8.4 | 7-28-64 | *4.03 |
| | | 8-21-61 | *6.16 | 7-17-63 | 6.0 | 3-25-64 | 40 | 7-29-64 | 4.2 |
| | | 3-26-62 | *43.5 | 8- 1-63 | 9.0 | 5- 6-64 | 42 | 8-14-64 | 3.8 |
| | | 8- 7-62 | *3.94 | 8-16-63 | 6.0 | 5-20-64 | 32 | 9- 4-64 | *1.69 |
| | | 10-29-62 | *29.0 | 8-20-63 | *6.56 | 6- 2-64 | 10 | 9- 9-64 | 1.3 |
| | | 3- 6-63 | *153 | 8-29-63 | 4.1 | 6- 8-64 | *10.0 | 9-22-64 | 2.5 |
| | | 4-11-63 | 24 | 9-17-63 | 3.8 | 6-17-64 | 6.3 | 10- 5-64 | *1.96 |
| | | 5-10-63 | 30 | 9-24-63 | 2.4 | 7- 1-64 | 2.6 | | |
| 1183.7 | Yawbucs Brook, at bridge on Ryder Road, 1.7 miles northwest of North Stonington, Conn. Lat 41°27'35", long 71°54'12" Drainage area, 2.42 sq mi. | 4-11-63 | *4.11 | 8-16-63 | .59 | 5- 6-64 | 2.8 | 7-28-64 | *.13 |
| | | 5-10-63 | 5.6 | 8-29-63 | .26 | 5-20-64 | 2.0 | 7-29-64 | .11 |
| | | 5-16-63 | *5.70 | 9-17-63 | .23 | 6- 2-64 | .20 | 8-14-64 | .01 |
| | | 6-14-63 | 3.2 | 9-24-63 | .18 | 6- 5-64 | *.54 | 8-28-64 | *.13 |
| | | 6-24-63 | *1.36 | 9-27-63 | *.15 | 6-17-64 | .08 | 9- 9-64 | .04 |
| | | 7- 2-63 | .65 | 11- 5-63 | .15 | 7- 1-64 | .01 | 9-22-64 | .06 |
| | | 7-17-63 | .40 | 3-25-64 | 3.0 | 7-20-64 | .01 | 10- 6-64 | *.11 |
| | | 8- 1-63 | .71 | | | | | | |
| 1183.75 | Assekonk Brook, at culvert on Jeremy Hill Road, 1.5 miles west of North Stonington, Conn. Lat 41°26'19", long 71°54'39" Drainage area, 1.66 sq mi. | 4-12-63 | *2.12 | 8-16-63 | .28 | 3-25-64 | 2.4 | 7-28-64 | *.02 |
| | | 5-10-63 | 3.8 | 8-20-63 | *.58 | 5- 6-64 | 2.4 | 7-29-64 | .11 |
| | | 5-16-63 | *1.49 | 8-29-63 | .08 | 5-20-64 | 2.4 | 8-14-64 | .06 |
| | | 6-14-63 | 1.0 | 9-17-63 | .24 | 6- 2-64 | .44 | 8-28-64 | *0 |
| | | 6-21-63 | *.96 | 9-24-63 | .03 | 6- 8-64 | *.18 | 9- 9-64 | *0 |
| | | 7- 2-63 | .28 | 9-27-63 | *.01 | 6-17-64 | .88 | 9-22-64 | .02 |
| | | 7-17-63 | .13 | 10-11-63 | *.05 | 7- 1-64 | *0 | 10- 6-64 | *.07 |
| | | 8- 1-63 | .28 | 11- 5-63 | .24 | 7-20-64 | .05 | | |
| 1183.8 | Assekonk Brook, at bridge on State Highway 2, at North Stonington, Conn. Lat 41°26'19", long 71°53'05" Drainage area, 4.00 sq mi. | 4-12-63 | *4.45 | 8-16-63 | .41 | 3-25-64 | 5.6 | 7-20-64 | .57 |
| | | 5-10-63 | 7.0 | 8-19-63 | *.56 | 5- 6-64 | 5.9 | 7-29-64 | 1.1 |
| | | 5-16-63 | *7.56 | 8-29-63 | .44 | 5-20-64 | 5.0 | 8-14-64 | 1.2 |
| | | 6-14-63 | 7.7 | 9-17-63 | .80 | 6- 2-64 | 2.3 | 8-28-64 | *.09 |
| | | 6-21-63 | *.08 | 9-24-63 | .44 | 6- 8-64 | *1.97 | 9- 9-64 | .04 |
| | | 7- 2-63 | .23 | 9-27-63 | *.26 | 6-17-64 | 1.0 | 9-22-64 | .13 |
| | | 7-17-63 | .05 | 11- 5-63 | .16 | 7- 1-64 | .38 | 10- 6-64 | *1.01 |
| | | 8- 1-63 | .18 | | | | | | |
| 1184 | Shunock River River, at bridge on State Highway 49, 2 1/2 miles southeast of North Stonington, Conn. Lat 41° 24'36", long 71°50'43" Drainage area, 16.2 sq mi. | 10- 5-60 | *8.64 | 6-14-63 | 22 | 9-24-63 | *3.35 | 7- 1-64 | 3.4 |
| | | 7-18-61 | *12.4 | 7- 2-63 | 7.0 | 11- 5-63 | 3.4 | 7-20-64 | 8.4 |
| | | 8-21-61 | *6.23 | 7-17-63 | 4.9 | 3-25-64 | 24 | 7-29-64 | 8.4 |
| | | 3-26-62 | *37.9 | 8- 1-63 | 7.2 | 5- 6-64 | 30 | 8-14-64 | 5.7 |
| | | 4-26-62 | *26.3 | 8-16-63 | 5.1 | 5-20-64 | 23 | 9- 4-64 | *2.06 |
| | | 10-29-62 | *16.6 | 8-21-63 | *6.14 | 6- 2-64 | 11 | 9- 9-64 | 1.6 |
| | | 3- 6-63 | *107 | 8-29-63 | 3.6 | 6- 5-64 | *10.5 | 9-22-64 | 2.2 |
| | | 4-12-63 | 20 | 9-17-63 | 4.4 | 6-17-64 | 7.5 | 10- 6-64 | *3.04 |
| | | 5-10-63 | 26 | | | | | | |
| 1185.5 | Anguilla Brook, at bridge on West Broad Street, 0.6 mile northeast of Wequetequock, Conn. Lat 41°21'56", long 71°52'00" Drainage area, 7.18 sq mi. | 4-12-63 | *10.4 | 8- 1-63 | 3.4 | 3-25-64 | 14 | 7-28-64 | *.79 |
| | | 5-10-63 | 7.8 | 8-16-63 | 1.5 | 5- 6-64 | 19 | 7-29-64 | .90 |
| | | 5-17-63 | *9.54 | 8-21-63 | *2.94 | 6- 2-64 | 8.1 | 8-14-64 | .37 |
| | | 6-14-63 | 6.8 | 8-29-63 | 1.0 | 6- 8-64 | *4.81 | 9- 4-64 | *.23 |
| | | 6-21-63 | *5.96 | 9-17-63 | 1.1 | 6-17-64 | 3.2 | 9- 9-64 | .03 |
| | | 7- 2-63 | 2.8 | 9-24-63 | *.92 | 7- 1-64 | 1.1 | 9-11-64 | *.05 |
| | | 7-17-63 | 2.0 | 11- 5-63 | 2.5 | 7-20-64 | 2.3 | | |
| 1187 | Whitford Brook, at bridge on U.S. Interstate Highway 95, at Old Mystic, Conn. Lat 41°23'41", long 71°57'40" Drainage area, 14.4 sq mi. | 10- 5-60 | *5.19 | 6-14-63 | 18 | 10-11-63 | *1.81 | 7-20-64 | 1.2 |
| | | 7-18-61 | *7.18 | 7-12-63 | 4.5 | 11- 5-63 | .80 | 7-28-64 | *1.59 |
| | | 8-21-61 | *3.63 | 7-17-63 | 2.9 | 3-25-64 | 24 | 7-29-64 | 1.2 |
| | | 3-26-62 | *35.2 | 8- 1-63 | 5.0 | 5- 6-64 | 27 | 8-14-64 | .70 |
| | | 8- 7-62 | *1.38 | 8-16-63 | 6.0 | 5-20-64 | 23 | 9- 4-64 | *.82 |
| | | 10-29-62 | *14.6 | 8-21-63 | *4.77 | 6- 2-64 | 12 | 9- 9-64 | .54 |
| | | 3- 6-63 | *78.6 | 8-29-63 | 4.0 | 6- 8-64 | *7.94 | 9-22-64 | 1.2 |
| | | 4-12-63 | 22 | 9-17-63 | 1.8 | 6-17-64 | 5.2 | 10- 6-64 | *2.70 |
| | | 5-10-63 | 28 | 9-24-63 | *1.85 | 7- 1-64 | .76 | | |
| 1187.5 | Haleys Brook, at bridge on Colonel Ledyard Highway, 1 1/4 miles west of Old Mystic, Conn. Lat 41°23'20", long 71°59'11" Drainage area, 4.25 sq mi. | 12- 6-61 | 6.2 | 2-20-63 | *26.5 | 9-24-63 | *.31 | 5-19-64 | 4.8 |
| | | 1- 4-62 | 8.6 | 3-25-63 | 11 | 10-11-63 | *.65 | 5-20-64 | 11 |
| | | 2- 7-62 | *7.68 | 4-12-63 | 6.6 | 11- 5-63 | 3.8 | 6- 2-64 | 5.4 |
| | | 3- 5-62 | *13.5 | 5-10-63 | 6.5 | 11- 6-63 | 2.6 | 6-16-64 | *1.39 |
| | | 3-21-62 | *12.6 | 5-13-63 | 7.2 | 12- 6-63 | 5.6 | 6-17-64 | .80 |
| | | 4-19-62 | *9.61 | 6-14-63 | 5.0 | 12-27-63 | 3.8 | 7- 1-64 | .55 |
| | | 4-27-62 | *5.56 | 7- 2-63 | .70 | 1-24-64 | 18 | 7-16-64 | .40 |
| | | 6-13-62 | *8.01 | 7-17-63 | 1.0 | 2-20-64 | 8.6 | 7-20-64 | .40 |
| | | 8- 7-62 | *.30 | 8- 1-63 | 1.4 | 3-23-64 | *6.81 | 7-29-64 | .45 |
| | | 9- 5-62 | *.99 | 8-16-63 | 1.1 | 3-25-64 | 6.1 | 8-14-64 | .05 |
| | | 11- 6-62 | 8.6 | 8-29-63 | .90 | 4- 9-64 | 40 | 9- 9-64 | .01 |
| | | 12-10-62 | 9.6 | 9-17-63 | .55 | 5- 6-64 | 6.8 | 9-22-64 | .25 |
| 1188.5 | Eccleston Brook, at farm bridge, 0.9 mile northwest of Noank, Conn. Lat 41°20'06", long 72°00'11" Drainage area, 2.94 sq mi. | 4-12-63 | *4.36 | 8-21-63 | *1.14 | 5- 6-64 | 5.1 | 7-28-64 | *.24 |
| | | 5-10-63 | 3.8 | 8-29-63 | .36 | 6- 2-64 | 2.8 | 7-29-64 | .40 |
| | | 6-14-63 | 2.9 | 9-17-63 | .40 | 6- 8-64 | *2.59 | 8-14-64 | .22 |
| | | 6-21-63 | *1.86 | 9-24-63 | *.30 | 6-17-64 | .81 | 9- 4-64 | *.09 |
| | | 7-17-63 | .30 | 10-11-63 | *.27 | 7- 1-64 | .46 | 9- 9-64 | .03 |
| | | 8- 1-63 | 1.4 | 11- 5-63 | .87 | 7-20-64 | .93 | 9-22-64 | .22 |
| | | 8-16-63 | 1.3 | 3-25-64 | 4.6 | | | | |
| 1272 | Bartlett Brook, at bridge on Foot Road, 3 1/2 miles east of Colchester, Conn. Lat 41°35'17", long 72°15'24" Drainage area, 13.3 sq mi. | 10- 4-60 | *28.6 | 4-29-63 | 10 | 8-29-63 | 4.7 | 6-17-64 | .95 |
| | | 7-18-61 | *4.09 | 5-13-63 | 10 | 9-16-63 | *2.49 | 7- 1-64 | .12 |
| | | 8-21-61 | *1.94 | 5-28-63 | 8.0 | 3-25-64 | 11 | 7-20-64 | 1.2 |
| | | 3-16-62 | 89 | 6-14-63 | 22 | 5- 6-64 | 12 | 7-27-64 | *.84 |
| | | 4-26-62 | *12.7 | 7-18-63 | 5.0 | 5-20-64 | 13 | 7-29-64 | .80 |
| | | 10-24-62 | *23.9 | 8-13-63 | *.76 | 6- 1-64 | *1.73 | 8-28-64 | *1.19 |
| | | 3-25-63 | *55.7 | 8-16-63 | 5.4 | 6- 2-64 | 1.4 | 9- 9-64 | .95 |

* Streamflow measurement.

Table 5.--Streamflow records at partial-record gaging stations --Continued

| | | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| 1277.25 | Shewville Brook, at bridge on Shewville Road, 0.6 mile south of Shewville, Conn. Lat 41°28'42", long 71°59'29" Drainage area, 11.7 sq mi. | 4-12-63 | *19.4 | 8- 1-63 | 6.0 | 5- 6-64 | 25 | 7-20-64 | 1.6 |
| | | 5-10-63 | 24 | 8-16-63 | 5.0 | 5-20-64 | 16 | 7-29-64 | 1.8 |
| | | 5-16-63 | *31.9 | 8-19-63 | *4.08 | 6- 2-64 | 3.4 | 8-14-64 | 1.8 |
| | | 6-14-63 | 17 | 8-29-63 | 2.6 | 6- 5-64 | *3.78 | 9- 4-64 | *.32 |
| | | 6-24-63 | *5.95 | 10-10-63 | *1.45 | 6-17-64 | 2.9 | 9- 9-64 | .14 |
| | | 7- 2-63 | 2.6 | 11- 5-63 | 8.4 | 7- 1-64 | 1.6 | 10- 9-64 | *3.04 |
| | | 7-17-63 | 2.0 | 3-25-64 | 29 | | | | |
| 1277.3 | Crowley Brook, at mouth, 0.8 mile north of Poquetanuck, Conn. Lat 41°29'53", long 72°02'22" Drainage area, 2.24 sq mi. | 4-12-63 | *3.01 | 8-16-63 | .21 | 3-25-64 | 4.0 | 7-24-64 | *.49 |
| | | 5-10-63 | 3.6 | 8-19-63 | *.18 | 5- 6-64 | 2.5 | 7-29-64 | .19 |
| | | 5-16-63 | *4.94 | 8-29-63 | .21 | 5-20-64 | 1.9 | 8-14-64 | .26 |
| | | 6-14-63 | 1.3 | 9-17-63 | .24 | 6- 2-64 | 1.2 | 9- 4-64 | *.08 |
| | | 6-24-63 | *.52 | 9-24-63 | .27 | 6- 5-64 | *.41 | 9- 9-64 | .04 |
| | | 7- 2-63 | .24 | 9-26-63 | *.14 | 6-17-64 | .97 | 9-22-64 | .13 |
| | | 7-17-63 | .21 | 10-10-63 | .14 | 7- 1-64 | .97 | 10- 9-64 | .21 |
| | | 8- 1-63 | .21 | 11- 5-63 | .52 | 7-20-64 | .13 | | |
| 1277.35 | Billings-Avery Brook, at bridge on State Highway 12, 2.3 miles southwest of Poquetanuck, Conn. Lat 41°27'32", long 72°03'55" Drainage area, 2.77 sq mi. | 4-15-63 | *3.42 | 8-16-63 | .50 | 3-25-64 | 4.4 | 7- 1-64 | .70 |
| | | 5-10-63 | 4.2 | 8-21-63 | *.39 | 5- 6-64 | 2.7 | 7-20-64 | .42 |
| | | 5-16-63 | *4.39 | 8-29-63 | .64 | 5-20-64 | 2.2 | 7-29-64 | .36 |
| | | 6-24-63 | *1.01 | 9-17-63 | .77 | 6- 2-64 | .96 | 8-14-64 | .46 |
| | | 7- 2-63 | .25 | 9-26-63 | *.14 | 6- 5-64 | *.86 | 9- 4-64 | .01 |
| | | 7-17-63 | .29 | 10-10-63 | *.20 | 6-17-64 | .86 | 9- 9-64 | .24 |
| | | 8- 1-63 | .56 | | | | | | |
| 1277.4 | Stony Brook, at bridge on Raymond Hill Road, 2 miles north of Uncasville, Conn. Lat 41°27'38", long 72°06'58" Drainage area, 7.18 sq mi. | 4-17-63 | *9.17 | 8-29-63 | .87 | 5- 6-64 | 9.6 | 7-27-64 | *.88 |
| | | 4-29-63 | 7.4 | 9-17-63 | 3.7 | 5-20-64 | 14 | 7-29-64 | .83 |
| | | 5-15-63 | *20.1 | 9-18-63 | *1.75 | 6- 2-64 | 2.2 | 8-14-64 | .49 |
| | | 6-14-63 | 12 | 9-23-63 | *1.23 | 6- 4-64 | *2.79 | 9- 3-64 | *.73 |
| | | 6-26-63 | *2.20 | 9-24-63 | 1.2 | 6-17-64 | 1.1 | 9- 9-64 | .64 |
| | | 7-18-63 | 2.2 | 10- 4-63 | *.90 | 7- 1-64 | .20 | 9-22-64 | .70 |
| | | 8- 1-63 | 1.1 | 11- 6-63 | 3.7 | 7-20-64 | .49 | 9-23-64 | *.70 |
| | | 8-16-63 | *.92 | 3-25-64 | 8.5 | | | | |
| 1277.45 | Oxoboxo Brook, at culvert on Williams Road, 1.6 miles northwest of Oakdale, Conn. Lat 41°28'49", long 72°11'07" Drainage area, 3.58 sq mi. | 4-17-63 | *4.28 | 6-14-63 | 3.5 | 5-20-64 | 11 | 6- 3-64 | *1.57 |
| | | 4-29-63 | 3.6 | 3-25-64 | 6.6 | 6- 2-64 | 1.6 | 6-17-64 | 1.3 |
| | | 5-15-63 | *8.22 | 5- 6-64 | 7.5 | | | | |
| 1277.6 | Hunts Brook, at bridge on Old Norwich Road, at Quaker Hill, Conn. Lat 41°24'04", long 72°07'16" Drainage area, 11.3 sq mi. | 4-15-63 | *15.9 | 8-16-63 | *.99 | 2-18-64 | 32 | 7-17-64 | *4.05 |
| | | 5-10-63 | 22 | 8-29-63 | .03 | 3-25-64 | *23.0 | 7-20-64 | 2.9 |
| | | 5-15-63 | *26.4 | 9-17-63 | 1.0 | 5- 6-64 | 23 | 7-29-64 | 1.9 |
| | | 6-14-63 | 12 | 9-18-63 | *.94 | 5-20-64 | 24 | 8-14-64 | .80 |
| | | 6-26-63 | *6.65 | 9-24-63 | .70 | 6- 2-64 | 12 | 8-19-64 | *1.03 |
| | | 7- 2-63 | 5.1 | 11- 6-63 | 2.0 | 6-16-64 | *7.27 | 9- 9-64 | 1.4 |
| | | 7- 3-63 | *4.81 | 12- 6-63 | 12 | 6-17-64 | 6.2 | 9-22-64 | .80 |
| | | 7-18-63 | 3.6 | 12-26-63 | 12 | 7- 1-64 | 2.7 | 9-24-64 | *.80 |
| | | 8- 1-63 | 3.1 | 1-24-64 | 60 | | | | |
| 1277.7 | Jordan Brook, at bridge on U.S. Highway 1A, at Waterford, Conn. Lat 41°20'54", long 72°08'46" Drainage area, 3.53 sq mi. | 4-15-63 | *4.66 | 8- 1-63 | 1.1 | 11- 6-63 | .68 | 7- 1-64 | .74 |
| | | 5-10-63 | 5.2 | 8-15-63 | *.68 | 3-25-64 | 13 | 7-20-64 | .74 |
| | | 5-15-63 | *11.5 | 8-16-63 | .78 | 5- 6-64 | 18 | 7-29-64 | .50 |
| | | 6-14-63 | 2.6 | 8-29-63 | .68 | 5-20-64 | 26 | 8-14-64 | .37 |
| | | 6-26-63 | *1.74 | 9-17-63 | .47 | 6- 2-64 | 4.2 | 9- 3-64 | *.63 |
| | | 7- 2-63 | 1.3 | 9-18-63 | *.28 | 6- 4-64 | *4.21 | 9- 9-64 | .50 |
| | | 7- 3-63 | *1.28 | 9-25-63 | .40 | 6-17-64 | 3.2 | 9-22-64 | .97 |
| | | 7-18-63 | .68 | 10- 2-63 | *1.06 | | | | |
| 1277.8 | Latimer Brook, at bridge on Grassy Hill Road, 0.2 mile southwest of Chesterfield, Conn. Lat 41°25'37", long 72°13'17" Drainage area, 8.85 sq mi. | 4-15-63 | *10.0 | 8- 1-63 | 3.5 | 11- 6-63 | 2.4 | 7-20-64 | 2.7 |
| | | 5-10-63 | 15 | 8-15-63 | *2.67 | 3-25-64 | 11 | 7-29-64 | 3.5 |
| | | 5-15-63 | *17.8 | 8-16-63 | 3.2 | 5- 6-64 | 13 | 8-14-64 | 2.6 |
| | | 6-14-63 | 7.7 | 8-29-63 | 2.7 | 5-20-64 | 14 | 9- 3-64 | *2.36 |
| | | 6-26-63 | *4.38 | 9-17-63 | 3.2 | 6- 2-64 | 5.4 | 9- 9-64 | 1.2 |
| | | 7- 2-63 | 4.6 | 9-18-63 | *3.45 | 6- 4-64 | *5.39 | 9-22-64 | 1.4 |
| | | 7- 3-63 | *3.79 | 9-24-63 | 2.6 | 6-17-64 | 3.5 | 10- 7-64 | *2.14 |
| | | 7-18-63 | 3.2 | 10- 8-63 | *2.35 | 7- 1-64 | 2.7 | | |
| 1277.9 | Latimer Brook, at culvert on U.S. Interstate Highway 95, at East Lyme, Conn. Lat 41°22'00", long 72°12'18" Drainage area, 17.1 sq mi. | 3-14-62 | *128 | 7- 2-63 | 7.2 | 9-24-63 | 4.4 | 7- 1-64 | 5.8 |
| | | 3-29-62 | *31.3 | 7- 3-63 | *7.47 | 10- 8-63 | *2.84 | 7-20-64 | 6.4 |
| | | 4-19-62 | *34.4 | 7-18-63 | 6.4 | 11- 6-63 | 4.8 | 7-29-64 | 3.6 |
| | | 5- 2-62 | *18.2 | 8- 1-63 | 5.1 | 3-25-64 | 19 | 8-14-64 | 2.9 |
| | | 7-18-62 | *4.57 | 8-15-63 | *5.19 | 5- 6-64 | 22 | 9- 3-64 | *3.09 |
| | | 5-10-63 | 69 | 8-16-63 | 4.2 | 5-20-64 | 28 | 9- 9-64 | 2.2 |
| | | 5-13-63 | 21 | 8-29-63 | 4.8 | 6- 2-64 | 8.9 | 9-22-64 | 3.6 |
| | | 6-14-63 | 53 | 9-12-63 | *3.32 | 6- 4-64 | *11.2 | 10- 7-64 | *3.38 |
| | | 6-20-63 | 10 | 9-17-63 | 5.1 | | | | |
| 1277.95 | Pataguanset River, at bridge on State Highway 156, at Niantic, Conn. Lat 41°19'19", long 72°12'24" Drainage area, 7.38 sq mi. | 4-15-63 | *8.97 | 8-15-63 | *2.42 | 3-25-64 | 15 | 7-20-64 | 2.8 |
| | | 5-10-63 | 12 | 8-16-63 | 2.3 | 5- 6-64 | 16 | 7-29-64 | 2.3 |
| | | 5-15-63 | *16.8 | 8-29-63 | 1.8 | 5-20-64 | 21 | 8-14-64 | 1.7 |
| | | 6-14-63 | 9.2 | 9-17-63 | 2.0 | 6- 2-64 | 7.0 | 9- 3-64 | *1.14 |
| | | 6-26-63 | *5.70 | 9-18-63 | *1.81 | 6- 4-64 | *6.99 | 9- 9-64 | 1.7 |
| | | 7-18-63 | 4.4 | 9-24-63 | *1.30 | 6-17-64 | 6.1 | 9-22-64 | 1.0 |
| | | 8- 1-63 | 3.5 | 10- 2-63 | *4.75 | 7- 1-64 | 2.6 | 10- 7-64 | *4.00 |
| 1278 | Fourmile River, at bridge on Stones Range Road, 2 1/2 miles west of East Lyme, Conn. Lat 41°21'25", long 72°15'40" Drainage area, 4.29 sq mi. | 9-29-60 | 2.1 | 2-20-62 | 4.8 | 7-18-63 | *0 | 3-24-64 | *8.70 |
| | | 10- 3-60 | *2.35 | 3-15-62 | 28 | 7-29-63 | *.60 | 3-25-64 | 7.8 |
| | | 12- 6-60 | 4.8 | 3-20-62 | *17.4 | 8- 1-63 | 1.0 | 5- 6-64 | 9.8 |
| | | 1-12-61 | 6.6 | 5- 7-62 | 12 | 8-16-63 | .33 | 5-19-64 | 5.4 |
| | | 4-10-61 | 10 | 6-12-62 | *9.97 | 8-29-63 | .33 | 6- 2-64 | 3.4 |
| | | 5- 9-61 | 20 | 7-12-62 | *.64 | 9-12-63 | *.26 | 6-16-64 | *2.88 |
| | | 6- 7-61 | 7.0 | 10- 1-62 | 4.2 | 9-17-63 | .41 | 7- 1-64 | .74 |
| | | 8- 8-61 | 1.6 | 10-18-62 | *2.49 | 9-25-63 | .33 | 7-17-64 | *1.80 |
| | | 8-18-61 | *.74 | 11-15-62 | *6.44 | 10- 8-63 | *.55 | 7-20-64 | .52 |
| | | 10- 9-61 | 1.5 | 1-15-63 | 5.2 | 12- 6-63 | 4.3 | 7-29-64 | .25 |
| | | 11- 7-61 | 7.0 | 2-25-63 | 6.1 | 12-26-63 | 3.7 | 8-14-64 | .05 |
| | | 12- 8-61 | 5.8 | 4- 8-63 | *7.77 | 1-24-64 | 16 | 9- 9-64 | *0 |
| | | 1-10-62 | 22 | 5-13-63 | 11 | 2-18-64 | 12 | 9-22-64 | .15 |

* Streamflow measurement.

Table 5.--Streamflow records at partial-record gaging stations --Continued

| | | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) | Date | Streamflow (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| 1272.5 | Deep River, at bridge on Deep River Road, 4.4 miles southeast of Colchester, Conn. Lat 41°31'59", long 72°16'16" Drainage area, 3.97 sq mi. | 4-17-63 | *3.67 | 8-29-63 | 0.29 | 5-20-64 | 6.8 | 7-29-64 | *0 |
| | | 5-14-63 | *8.93 | 9-17-63 | *1.14 | 6- 2-64 | 1.0 | 8-14-64 | .02 |
| | | 6-14-63 | 2.8 | 9-24-63 | .71 | 6- 3-64 | *1.16 | 9- 2-64 | *.12 |
| | | 6-27-63 | *.78 | 10- 4-63 | *.86 | 6-17-64 | 2.0 | 9- 9-64 | .04 |
| | | 7-18-63 | .56 | 11- 6-63 | 1.6 | 7- 1-64 | .01 | 9-22-64 | .29 |
| | | 8-13-63 | *.19 | 3-25-64 | 5.1 | 7-20-64 | .01 | 9-25-64 | *.06 |
| | | 8-16-63 | .41 | 5- 6-64 | 5.7 | | | | |
| 1272.9 | Yantic River, at bridge on Scott Hill Road, at Gilman, Conn. Lat 41°34'24", long 72°12'20" Drainage area, 37.4 sq mi. | 5-28-63 | 25 | 9-17-63 | *6.18 | 5-20-64 | 64 | 7-29-64 | 4.8 |
| | | 6-14-63 | 41 | 9-25-63 | 6.0 | 6- 2-64 | *7.60 | 8-14-64 | 5.6 |
| | | 6-27-63 | *8.49 | 10- 4-63 | *6.65 | 6-17-64 | 5.2 | 9- 2-64 | *4.50 |
| | | 7-18-63 | 5.8 | 11- 6-63 | 8.9 | 7- 1-64 | 4.3 | 9- 9-64 | 4.4 |
| | | 8-16-63 | *5.95 | 3-25-64 | 57 | 7-20-64 | 5.3 | 9-22-64 | 8.6 |
| | | 8-29-63 | 6.6 | 5- 6-64 | 61 | | | | |
| 1273 | Pease Brook, at bridge on Mack Road, 1 mile northwest of Lebanon, Conn. Lat 41°38'30", long 72°14'06" Drainage area, 3.11 sq mi. | 4- 4-63 | *7.34 | 8- 1-63 | .05 | 11- 5-63 | .70 | 7- 1-64 | .04 |
| | | 4-17-63 | 2.0 | 8-12-63 | *.05 | 11- 6-63 | .60 | 7-20-64 | .04 |
| | | 4-29-63 | *1.85 | 8-16-63 | .05 | 3-25-64 | 3.6 | 7-27-64 | *.04 |
| | | 5-14-63 | *3.78 | 8-29-63 | .04 | 5- 6-64 | 2.2 | 7-29-64 | .01 |
| | | 5-28-63 | .70 | 9-16-63 | *.03 | 5-20-64 | 5.4 | 8-14-64 | .07 |
| | | 6-14-63 | 1.80 | 9-17-63 | .18 | 6- 1-64 | *.19 | 8-28-64 | *.08 |
| | | 7- 1-63 | *.22 | 9-23-63 | *.09 | 6- 2-64 | .19 | 9- 9-64 | .04 |
| | | 7- 2-63 | .13 | 9-24-63 | .13 | 6-17-64 | .14 | 9-22-64 | .11 |
| | | 7-17-63 | .15 | 10- 3-63 | *.20 | | | | |
| 1273.1 | Pease Brook, at bridge on Waterman Road, 2.0 miles south of Lebanon, Conn. Lat 41°36'24", long 72°12'21" Drainage area, 7.77 sq mi. | 4- 4-63 | *17.9 | 7-17-63 | .50 | 10- 3-63 | 1.5 | 7- 1-64 | .30 |
| | | 4-17-63 | 7.0 | 8- 1-63 | .26 | 11- 5-63 | 3.0 | 7-20-64 | 1.2 |
| | | 4-29-63 | *5.37 | 8-12-63 | *.09 | 3-25-64 | 12 | 7-29-64 | .73 |
| | | 5-14-63 | *10.6 | 8-16-63 | .30 | 5- 6-64 | 11 | 8-14-64 | 1.7 |
| | | 5-28-63 | 3.5 | 8-29-63 | .26 | 5-20-64 | 12 | 8-28-64 | *.82 |
| | | 6-14-63 | 5.6 | 9-16-63 | *.40 | 6- 1-64 | *1.64 | 9- 9-64 | .09 |
| | | 7- 1-63 | *.90 | 9-17-63 | .75 | 6- 2-64 | 2.2 | 9-22-64 | .14 |
| | | 7- 2-63 | .75 | 9-24-63 | .86 | 6-17-64 | 1.6 | | |
| 1273.55 | Gardner Brook, at bridge on Scott Hill Road, 1.1 miles southwest of Bozrah Street, Conn. Lat 41°32'31", long 72°11'31" Drainage area, 7.60 sq mi. | 4-17-63 | *9.61 | 5-28-63 | 9.1 | 5- 6-64 | 25 | 6- 2-64 | *2.42 |
| | | 4-29-63 | *7.88 | 6-14-63 | 7.7 | 5-20-64 | 28 | 6-17-64 | 2.1 |
| | | 5-14-63 | *18.3 | 3-25-64 | 26 | | | | |
| 1273.6 | Gardner Brook, at bridge on Gager Road, at Bozrah Street, Conn. Lat 41°33'02", long 72°10'07" Drainage area, 12.8 sq mi. | 4- 4-63 | *32.8 | 5-14-63 | *30.5 | 3-25-64 | 31 | 6- 2-64 | *4.54 |
| | | 4-17-63 | 19 | 5-28-63 | 16 | 5- 6-64 | 31 | 6-17-64 | 2.0 |
| | | 4-29-63 | *14.2 | 6-14-63 | 13 | 5-20-64 | 33 | | |
| 1273.8 | Susquetonscut Brook, at bridge on State Highway 207, 0.6 mile northeast of Lebanon, Conn. Lat 41°38'35", long 72°12'16" Drainage area, 5.41 sq mi. | 5-28-63 | 2.9 | 8-16-63 | .08 | 3-25-64 | 15 | 7-20-64 | .20 |
| | | 6-14-63 | 4.1 | 8-29-63 | *0 | 5- 6-64 | 8.1 | 7-29-64 | .12 |
| | | 7- 1-63 | *.69 | 9-16-63 | *.08 | 5-20-64 | 8.5 | 8-14-64 | .31 |
| | | 7- 2-63 | .50 | 9-17-63 | .08 | 6- 1-64 | *1.19 | 9- 2-64 | *.62 |
| | | 7-17-63 | .45 | 9-24-63 | .27 | 6- 2-64 | 1.1 | 9- 9-64 | *.06 |
| | | 8- 1-63 | .16 | 10- 3-63 | *.87 | 6-17-64 | .54 | 9-22-64 | .10 |
| | | 8-12-63 | *0 | 11- 5-63 | 1.7 | 7- 1-64 | .45 | | |
| 1273.9 | Susquetonscut Brook, at bridge on Meeting House Hill Road, 0.8 mile southwest of Franklin, Conn. Lat 41°35'54", long 72°09'16" Drainage area, 12.7 sq mi. | 4- 4-63 | *31.4 | 8- 1-63 | .32 | 10- 3-63 | *2.22 | 7- 1-64 | .47 |
| | | 4-17-63 | 11 | 8-12-63 | *.09 | 11- 5-63 | 4.4 | 7-20-64 | .51 |
| | | 4-29-63 | *8.64 | 8-16-63 | .13 | 3-25-64 | 14 | 7-29-64 | .43 |
| | | 5-14-63 | *10.6 | 8-29-63 | .10 | 5- 6-64 | 12 | 8-14-64 | .79 |
| | | 6-14-63 | 10 | 9-16-63 | *.19 | 5-20-64 | 12 | 9- 2-64 | *1.73 |
| | | 7- 1-63 | *1.40 | 9-17-63 | .19 | 6- 2-64 | *1.86 | 9- 9-64 | .19 |
| | | 7- 2-63 | .86 | 9-24-63 | 1.4 | 6-17-64 | 1.0 | 9-22-64 | .15 |
| | | 7-17-63 | .43 | | | | | | |
| 1274 | Susquetonscut Brook, at bridge on State Highway 87, one mile northwest of Yantic, Conn. Lat 41°34'15", long 72°08'01" Drainage area, 15.4 sq mi. | 10- 4-60 | *6.23 | 8-17-62 | *.99 | 7-30-63 | *2.00 | 3-23-64 | *19.5 |
| | | 7-18-61 | *7.24 | 9- 6-62 | *1.45 | 8- 1-63 | 1.1 | 3-25-64 | 16 |
| | | 8-14-61 | *1.27 | 10- 1-62 | 9.0 | 8-16-63 | .49 | 5- 6-64 | 15 |
| | | 9- 7-61 | 1.1 | 11- 6-62 | 18 | 8-22-63 | *.60 | 5-20-64 | 14 |
| | | 10- 9-61 | 4.6 | 1-18-63 | 7.5 | 8-29-63 | .42 | 6- 2-64 | 2.8 |
| | | 11- 1-61 | 1.6 | 4- 4-63 | 37 | 9-16-63 | *1.01 | 6-16-64 | *2.44 |
| | | 12- 1-61 | 7.8 | 4-17-63 | 14 | 9-17-63 | 1.3 | 6-17-64 | 2.0 |
| | | 1-19-62 | 32 | 4-22-63 | 12 | 9-24-63 | 1.7 | 7- 1-64 | .94 |
| | | 2-19-62 | 7.2 | 4-29-63 | 10 | 10- 3-63 | 3.7 | 7-20-64 | 1.0 |
| | | 3- 8-62 | 22 | 5-13-63 | 14 | 11- 5-63 | 4.8 | 7-29-64 | .45 |
| | | 3-15-62 | 105 | 5-28-63 | 7.2 | 12- 5-63 | 9.6 | 8-14-64 | 1.8 |
| | | 3-21-62 | 38 | 6-14-63 | 12 | 12-26-63 | 7.2 | 8-21-64 | *.50 |
| | | 3-26-62 | 26 | 7- 2-63 | 2.2 | 1-24-64 | .94 | 9- 9-64 | .23 |
| | | 4-17-62 | 26 | 7-17-63 | 1.5 | 2-18-64 | 43 | 9-22-64 | .75 |
| | | 6- 8-62 | 11 | | | | | | |
| 1277 | Trading Cove Brook, at culvert on Connecticut Turnpike, 1 1/2 miles west of Thamesville, and 3 miles southwest of Norwich, Conn. Lat 41°30'03", long 72°06'59" Drainage area, 8.70 sq mi. | 10- 4-60 | *3.43 | 3-15-62 | 150 | 6-27-63 | *3.36 | 3-25-64 | *16.6 |
| | | 10-11-60 | 3.4 | 3-21-62 | *28.9 | 7-30-63 | *3.67 | 5- 6-64 | 19 |
| | | 1-10-61 | 29 | 4-25-62 | 15 | 8- 1-63 | 3.5 | 5-20-64 | 8.8 |
| | | 3- 1-61 | *42.1 | 7-18-62 | *2.59 | 8-16-63 | *.97 | 6- 2-64 | 10 |
| | | 4- 4-61 | 26 | 9- 5-62 | *1.96 | 8-29-63 | 1.0 | 6-17-64 | *2.79 |
| | | 5- 1-61 | 36 | 10-15-62 | *5.92 | 9-17-63 | *1.62 | 6-26-64 | *1.78 |
| | | 6- 1-61 | 30 | 11- 6-62 | 12 | 9-24-63 | 1.4 | 7- 1-64 | 3.8 |
| | | 7-18-61 | *4.64 | 12-18-62 | 10 | 10- 4-63 | *1.74 | 7-20-64 | 1.3 |
| | | 10-10-61 | 5.0 | 1-18-63 | 8.3 | 11- 6-63 | 2.5 | 7-29-64 | 1.5 |
| | | 10-30-61 | 2.5 | 3-25-63 | 21 | 12- 5-63 | 9.7 | 8-26-64 | *.83 |
| | | 12- 1-61 | 2.0 | 4-29-63 | 8.4 | 12-26-63 | 8.4 | 9- 9-64 | .60 |
| | | 1-19-62 | 12 | 5-13-63 | 14 | 1-24-64 | 29 | 9-22-64 | *.66 |
| | | 2- 9-62 | 7.0 | 6-14-63 | 10 | 2-18-64 | 28 | | |
| 1277.2 | Indiantown Brook, at bridge on State Highway 2, one mile east of Sherville, Conn. Lat 41°29'17", long 71°58'32" Drainage area, 6.53 sq mi. | 4-12-63 | *9.16 | 8- 1-63 | 3.2 | 5- 6-64 | 11 | 7-24-64 | *1.73 |
| | | 5-10-63 | 15 | 8-16-63 | 2.9 | 5-20-64 | 7.2 | 7-29-64 | 1.0 |
| | | 5-16-63 | *17.2 | 8-19-63 | *2.00 | 6- 2-64 | 2.2 | 8-14-64 | 1.0 |
| | | 6-14-63 | 9.0 | 8-29-63 | .87 | 6- 5-64 | *2.46 | 8-28-64 | *.37 |
| | | 6-24-63 | *4.34 | 10-10-63 | *1.95 | 6-17-64 | 1.9 | 9- 9-64 | .11 |
| | | 7- 2-63 | 1.3 | 11- 5-63 | 4.3 | 7- 1-64 | .87 | 10- 9-64 | *1.54 |
| | | 7-17-63 | 1.0 | 3-25-64 | 14 | 7-20-64 | .94 | | |

* Streamflow measurement.

Table 6.--Discharge measurements at miscellaneous sites

(The discharge measurements listed in this table were made during periods when streamflow was derived primarily from ground-water discharge)

| Stream | Tributary to | Location | Drainage area (sq mi) | Measurements | |
|---|---|---|---|---|---|
| | | | | Date | Discharge (cfs) |
| Green Fall River | Ashaway River | Lat 41°31'24", long 71°48'35", at Green Fall Road, 5 miles southeast of Voluntown. | 2.65 | 10- 5-64 | 0.10 |
| Wyassup Brook | Green Fall River | Lat 41°27'05", long 71°50'45", at State Highway 49, 1.6 miles west of Clarks Falls. | 4.23 | 10- 5-64 | .46 |
| Pendleton Hill Brook | Green Fall River | Lat 41°27'19", long 71°50'12", at Clarks Falls Road, 1.0 mile west of Clarks Falls. | 5.03 | 10- 5-64 | 1.56 |
| Glade Brook | Green Fall River | Lat 41°27'28", long 71°48'30", at road from Clarks Falls to Hopkinton, R.I., 0.4 mile east of Clarks Falls. | 2.17 | 10- 5-64 | 0 |
| Shunock River | Pawcatuck River | Lat 41°27'42", long 71°54'34", at State Highway 2, 2.0 miles northwest of North Stonington. | 2.29 | 10- 6-64 | .16 |
| Shunock River | Pawcatuck River | Lat 41°26'27", long 71°52'58", at bridge upstream from Assekonk Brook, at North Stonington. | 7.57 | 10- 5-64 | 1.34 |
| Shunock River | Pawcatuck River | Lat 41°25'49", long 71°51'09", at New London Turnpike, 2.0 miles southeast of North Stonington. | 14.7 | 10- 6-64 | 2.64 |
| Williams Brook | Whitford Brook | Lat 41°26'16", long 71°58'18", at inlet to swimming pool, 2.3 miles east of Ledyard Center. | 4.56 | 8-22-63<br>9-26-63<br>10- 9-63 | .78<br>.23<br>.41 |
| Williams Brook | Whitford Brook | Lat 41°25'33", long 72°57'27", at Shewville Road, 2.4 miles north of Old Mystic. | 6.04 | 8-22-63<br>10- 6-64 | 1.09<br>1.15 |
| Haleys Brook | Mystic River | Lat 41°23'45", long 72°00'27", at Haley Road, 0.9 mile south of Quakertown. | 2.74 | 10- 6-64 | .45 |
| Red Brook | Haleys Brook | Lat 41°23'24", long 71°58'25", at town road, at Burnetts Corner. | 2.32 | 10- 6-64 | .64 |
| Fort Hill Brook | Mumford Cove | Lat 41°20'50", long 72°01'15", at U.S. Highway 1, at Poquonock Bridge. | 1.57 | 10- 8-64 | .04 |
| Main Brook | Indiantown Brook | Lat 41°29'43", long 71°58'03", at Lake of Isles Road, 1.3 miles east of Shewville. | 1.76 | 10- 9-64 | .04 |
| Joe Clark Brook | Poquetanuck Cove | Lat 41°29'04", long 72°02'33", at Avery Hill Road, at Poquetanuck. | 3.15 | 10- 9-64 | .77 |
| Fenger Brook | Alewife Cove | Lat 41°19'18", long 72°06'23", at outlet of Hammond Pond, 2.0 miles south of New London. | 2.46 | 10- 8-64 | .10 |
| Nevins Brook | Jordan Brook | Lat 41°20'45", long 72°08'22", at U.S. Highway 1A, at Waterford. | 1.38 | 9-11-64 | .34 |
| Stony Brook | Keeny Cove | Lat 41°21'33", long 72°10'32", at U.S. Highway 1A, 2.0 miles east of East Lyme. | 1.87 | 10- 8-64 | .14 |
| Latimer Brook | Niantic River | Lat 41°27'20", long 72°13'17", at outlet of Barnes Reservoir, 1.9 miles north of Chesterfield. | 2.98 | 10- 7-64 | .67 |
| Bogue Brook | Latimer Brook | Lat 41°26'13", long 72°12'37", at outlet of Bogue Brook Reservoir, 0.7 mile northeast of Chesterfield. | 1.62 | 10- 7-64 | .06 |
| Latimer Brook | Niantic River | Lat 41°23'45", long 72°13'23", below outlet of Darrow Pond, 2.2 miles south of Chesterfield. | 15.1 | 10- 7-64 | 2.88 |
| Oil Mill Brook | Niantic River | Lat 41°22'24", long 72°11'30", 1.3 miles east of East Lyme. | 4.85 | 10- 8-64 | .08 |
| Pataquanset Brook | Pataquanset River | Lat 41°23'15", long 72°15'03", at outlet of Powers Lake, 2.5 miles northwest of East Lyme. | 1.02 | 10- 7-64 | .02 |
| Pataquanset River | Long Island Sound | Lat 41°22'14", long 72°13'35", at outlet of Pataquanset Lake, 0.5 mile northwest of East Lyme. | 3.69 | 10- 7-64 | .64 |
| Pataquanset River | Long Island Sound | Lat 41°20'09", long 72°12'29", at outlet of Gorton Pond, 1.0 mile northwest of Niantic. | 6.34 | 10- 7-64 | 3.27 |
| Bride Lake Brook | Long Island Sound | Lat 41°19'02", long 72°14'37", at State Highway 156, 2.5 miles west of Niantic. | 3.70 | 10- 8-64 | .34 |

Table 7.--Chemical analyses of water from wells and springs

| Well or spring number | Water-yielding unit | Date of collection | Parts per million: Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) 1/ | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Specific conductance (micromhos at 25°C) | pH | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U.S. Public Health Service drinking-water standards | | (recommended upper limit): | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 2/ | 45 | 500 | -- | -- | 0.5 | -- | -- | -- |
| | | | | | | | | | | | | | | | | | | | | | |
| CONNECTICUT | | | | | | | | | | | | | | | | | | | | | |
| Town of Bozrah | | | | | | | | | | | | | | | | | | | | | |
| Bz 1 | Bedrock | 4-14-64 | -- | 0.23 | 0.15 | 13 | 1.3 | 15 | 1.6 | 70 | 12 | 2.0 | -- | -- | 100 | 38 | 0 | -- | 153 | 7.0 | -- |
| Bz 2 | Till | 4-14-64 | -- | .14 | .00 | 6.4 | 1.9 | -- | -- | 40 | -- | -- | -- | -- | 83 | 24 | 0 | -- | 110 | 7.1 | -- |
| Town of Colchester | | | | | | | | | | | | | | | | | | | | | |
| Co 214 | Bedrock | 6-24-65 | -- | 2.1 | .21 | 12 | 7.0 | -- | -- | 1 | 44 | -- | -- | -- | 177 | 59 | 58 | -- | 264 | 4.9 | -- |
| Co 255 | Till | 6-24-65 | 22 | -- | .26 | 9.3 | 6.1 | -- | -- | 18 | -- | -- | -- | 0.0 | 123 | 48 | 33 | -- | 182 | 7.0 | -- |
| Co 286 | Bedrock | 7- 8-65 | -- | .26 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 71 | 26 | -- | -- | 91 | 7.1 | -- |
| Co 312 | do | 7- 8-65 | 19 | 1.3 | .10 | 3.8 | 1.8 | -- | -- | 0 | 20 | -- | -- | -- | 64 | 17 | 17 | 0.0 | 94 | 4.6 | -- |
| Town of East Lyme | | | | | | | | | | | | | | | | | | | | | |
| ELy 8 | Bedrock | 7-15-65 | -- | .05 | .05 | -- | -- | -- | -- | -- | -- | -- | -- | 20 | 130 | 55 | -- | .1 | 194 | 7.2 | -- |
| ELy 11 | Stratified Drift | 6-24-65 | -- | .14 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 56 | 20 | -- | -- | 80 | 7.0 | -- |
| ELy 12 | Bedrock | 7-23-65 | -- | -- | .94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 100 | 42 | -- | -- | 162 | 6.1 | -- |
| ELy 13 | Stratified Drift | 9-25-63 | -- | .24 | .03 | 13 | 1.1 | 8.2 | 1.6 | 16 | 16 | 20 | -- | -- | 105 | 37 | 24 | -- | 147 | 6.0 | -- |
| do | do | 4-13-64 | -- | .02 | .01 | 14 | 3.2 | 10 | 1.8 | 28 | 11 | 22 | -- | -- | 104 | 48 | 25 | -- | 166 | 6.8 | 46 |
| ELy 14 | do | 9-25-63 | -- | .08 | .00 | 22 | 4.1 | 5.4 | 3.2 | 22 | 13 | 38 | -- | -- | 160 | 72 | 54 | -- | 237 | 6.2 | -- |
| do | do | 4-13-64 | -- | .09 | .01 | 20 | 4.1 | 12 | 3.1 | 26 | 9.2 | 37 | -- | -- | 156 | 67 | 46 | -- | 220 | 6.8 | 45 |
| ELy 21 | do | 9-25-63 | -- | .14 | .03 | 10 | 1.7 | 7.4 | 1.6 | 13 | 25 | 10 | -- | -- | 91 | 32 | 22 | -- | 132 | 5.8 | -- |
| do | do | 4-13-64 | -- | .08 | .03 | 9.8 | 2.1 | 9.6 | 3.3 | 5 | 7.6 | 12 | -- | -- | 102 | 33 | 29 | -- | 138 | 6.4 | 52 |
| ELy 24 | do | 6-25-63 | -- | .43 | .45 | 15 | 13 | 12 | 1.8 | 31 | 16 | 56 | -- | -- | 154 | 93 | 66 | -- | 251 | 6.0 | -- |
| do | do | 4-13-64 | -- | .04 | .22 | 16 | .7 | 10 | 2.0 | 35 | 13 | 17 | -- | -- | 84 | 43 | 14 | -- | 147 | 7.0 | 47 |
| ELy 29 | do | 9-25-63 | -- | .07 | .05 | 8.3 | 3.8 | 7.6 | 1.8 | 14 | 24 | 13 | -- | -- | 62 | 36 | 25 | -- | 106 | 6.0 | 56 |
| do | do | 4-14-64 | -- | .02 | .01 | 12 | 5.4 | 13 | 2.4 | 38 | 18 | 18 | -- | -- | 114 | 52 | 21 | -- | 204 | 6.7 | 50 |
| ELy 31 | do | 7- 8-65 | -- | .13 | .04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 | 23 | -- | -- | 84 | 7.3 | -- |
| ELy 32 | Bedrock | 7- 8-65 | -- | .11 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 110 | 51 | -- | -- | 158 | 7.3 | -- |
| ELy 34 3/ | do | 5-19-65 | 28 | .04 | .04 | 15 | 5.7 | 15 | 2.6 | 54 | 23 | 15 | 0.2 | 3.8 | 136 | 61 | 17 | .1 | 192 | 7.5 | 53 |
| ELy 36 3/ | Stratified Drift | 5-14-65 | 5.6 | .03 | .17 | 5.9 | 2.1 | 9.1 | .8 | 13 | 9.9 | 15 | .1 | 2.6 | 78 | 23 | 12 | -- | 104 | 6.5 | -- |
| ELy 39 | do | 5-12-65 | -- | .10 | -- | 14 | 2.0 | -- | -- | 22 | -- | -- | -- | 25 | 126 | 43 | 25 | .1 | 168 | 7.2 | -- |
| ELy 42 | Bedrock | 7-12-65 | 11 | .09 | .01 | 7.6 | 2.2 | 4.4 4/ | -- | 17 | 11 | 8.5 | -- | -- | 59 | 28 | 14 | -- | 96 | 6.8 | -- |
| ELy 44 | do | 7-12-65 | -- | .10 | .02 | -- | -- | -- | -- | -- | -- | -- | -- | 3.3 | 227 | 15 | -- | .2 | 384 | 8.1 | -- |
| ELy 47 | do | 7- 8-65 | 12 | .02 | .02 | 8.0 | 1.4 | -- | -- | 18 | 11 | 19 | -- | -- | 72 | 26 | 11 | .0 | 131 | 7.0 | -- |
| Town of Franklin | | | | | | | | | | | | | | | | | | | | | |
| Fr 1 | Bedrock | 6-23-65 | -- | .78 | .08 | -- | -- | 13 | 2.4 | -- | -- | -- | -- | -- | 167 | 75 | -- | .1 | 240 | 7.1 | -- |
| Fr 2 | do | 11-28-62 | 9.8 | .08 | .04 | 7.8 | .4 | 3.2 | 3.2 | 26 | 1.6 | 3.5 | .1 | 1.7 | 44 | 21 | 0 | .0 | 78 | 6.9 | 51 |
| do | do | 4-17-63 | 8.7 | .04 | .03 | 18 | .2 | 4.3 | 5.3 | 46 | 11 | 4.1 | .1 | 7.6 | 85 | 46 | 9 | -- | 139 | 6.9 | 50 |
| Fr 13 | do | 6-23-65 | -- | .86 | .05 | -- | -- | 8.8 | 4.8 | -- | -- | -- | -- | -- | 106 | 40 | -- | -- | 138 | 7.5 | -- |
| Fr 16 | do | 6- 9-65 | -- | .11 | -- | 82 | 4.8 | 74 4/ | -- | 89 | 34 | 194 | -- | 3.7 | 604 | 224 | 151 | -- | 868 | 7.8 | -- |
| Fr 18 | do | 6-10-65 | 12 | .03 | -- | 61 | 3.9 | -- | -- | 128 | 25 | 59 | -- | -- | 304 | 168 | 63 | .2 | 450 | 8.0 | -- |
| Fr 21 | do | 6- 9-65 | 3.8 | 2.4 | -- | 10 | 2.4 | -- | -- | 32 | 17 | -- | -- | -- | 67 | 35 | 9 | -- | 111 | 7.4 | -- |
| Fr 22 | Stratified Drift or till | 6-15-15 | -- | .10 | -- | -- | -- | -- | -- | 27 | 3 | 29 | -- | -- | 46 | 19 | -- | -- | -- | -- | -- |
| Town of Groton | | | | | | | | | | | | | | | | | | | | | |
| Gt 6 | Bedrock | 7-13-65 | -- | .05 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 74 | 30 | -- | .0 | 102 | 7.0 | -- |
| Gt 7 | do | 7-13-65 | -- | 4.9 | .84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 122 | 42 | -- | .0 | 215 | 6.9 | -- |
| Gt 14 | do | 7-13-65 | -- | .02 | .02 | 24 | 3.9 | -- | -- | 82 | -- | -- | -- | 9.9 | 155 | 76 | 9 | .1 | 228 | 7.7 | -- |
| Gt 27 | do | 7-13-65 | 13 | .06 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 | 72 | -- | -- | 194 | 7.5 | -- |
| Gt 29 3/ 5/ | Stratified Drift | 5-25-65 | 13 | .62 | .23 | 17 | 6.7 | 14 | .9 | 31 | 26 | 30 | .2 | 4.0 | 142 | 70 | 44 | .0 | 215 | 6.7 | -- |
| Gt 33 | do | 7-13-65 | 7.6 | .03 | .00 | 9.4 | 2.8 | -- | -- | 17 | -- | 7.4 | -- | -- | 56 | 35 | 21 | -- | 101 | 7.4 | -- |
| Gt 34 | Bedrock | 7-14-65 | 20 | .08 | .00 | 24 | 8.5 | -- | -- | 74 | -- | 14 | -- | -- | 179 | 95 | 34 | -- | 289 | 7.3 | -- |
| Gt 42 | Stratified Drift | 4-13-64 | -- | .05 | .00 | 21 | 32 | 236 | 8.1 | 43 | 57 | 430 | -- | -- | 888 | 184 | 149 | -- | 1,560 | 6.6 | 47 |
| Gt 43 | do | 9-24-63 | -- | .16 | .74 | 16 | 6.8 | 60 | 1.7 | 15 | 24 | 116 | -- | -- | 281 | 68 | 56 | -- | 454 | 5.8 | 60 |
| Gt 47 | Bedrock | 7-13-65 | -- | .12 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 74 | 39 | -- | -- | 105 | 7.3 | -- |
| Gt 48 | do | 7-13-65 | -- | .40 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 49 | 25 | -- | -- | 79 | 7.2 | -- |
| Gt 49 | Till | 7-14-65 | 8.2 | .02 | .00 | 9.0 | 1.8 | -- | -- | 23 | -- | 5.8 | -- | -- | 54 | 30 | 11 | -- | 92 | 7.2 | -- |
| Gt 54 | do | 7-13-65 | -- | .14 | .27 | 31 | 5.5 | -- | -- | 1 | -- | -- | -- | 52 | 678 | 100 | 99 | .2 | 1,190 | 5.0 | -- |

Table 7.--Chemical analyses of water from wells and springs--Continued

| Well or spring number | Water-yielding unit | Date of collection | Parts per million: Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Specific conductance (micromhos at 25°C) | pH | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of Lebanon | | | | | | | | | | | |
| Lb 4 | Bedrock | 6- 9-65 | 12 | 0.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 112 | 61 | -- | -- | 172 | 7.5 | -- |
| Lb 5 | do | 6- 9-65 | -- | .05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 304 | 124 | -- | -- | 377 | 7.4 | -- |
| Lb 9 | do | 6- 9-65 | 12 | .03 | -- | 46 | 4.2 | 8.9 | 4.9 | -- | -- | 47 | -- | 14 | 283 | 132 | -- | -- | 353 | 7.7 | -- |
| Lb 11 | do | 7-22-65 | -- | .02 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 132 | 64 | -- | -- | 196 | 7.3 | -- |
| Lb 13 | do | 6- 9-65 | -- | .08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .1 | 120 | 59 | -- | -- | 174 | 7.9 | -- |
| Lb 23 | Stratified Drift | 6-10-65 | -- | .41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.7 | 86 | 34 | -- | 0.0 | 140 | 6.9 | -- |
| Lb 26 3/ | Bedrock | 6-23-65 | -- | .84 | .15 | 26 | 5.8 | -- | -- | 82 | -- | -- | -- | -- | 149 | 89 | 22 | -- | 234 | 7.2 | -- |
| Lb 28 3/ | do | 7- 7-65 | -- | .04 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 73 | 34 | -- | -- | 100 | 7.6 | -- |
| Lb 30 | Till | 6- 9-65 | 10 | 8.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 62 | 35 | -- | -- | 88 | 7.0 | -- |
| Lb 32 | Stratified Drift | 10- 1-64 | 9.3 | .04 | .01 | 10 | 1.0 | 9.3 | 3.0 | 28 | 16 | 10 | 0.1 | .6 | 78 | 29 | 6 | -- | 121 | 7.3 | -- |
| Lb 50 | Bedrock | 7-22-65 | -- | .04 | .02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 157 | 75 | -- | -- | 229 | 7.6 | -- |
| | | | | | | | | | | Town of Ledyard | | | | | | | | | | | |
| Ly 3 | Bedrock | 6-28-65 | 12 | .00 | .00 | 4.7 | .6 | -- | -- | 14 | -- | 5.0 | -- | -- | 54 | 14 | 2 | -- | 56 | 6.8 | -- |
| Ly 4 | do | 7-22-65 | -- | .04 | .02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 127 | 46 | -- | -- | 181 | 7.1 | -- |
| Ly 24 3/ | Stratified Drift | 6-28-65 | -- | .01 | .01 | -- | -- | -- | -- | -- | -- | 7.5 | .0 | -- | 49 | 21 | -- | .0 | 82 | 6.9 | -- |
| Ly 27 3/ | do | 5-20-65 | 10 | .63 | .30 | 13 | 5.7 | 14 | 1.2 | 14 | 25 | 23 | .1 | 16 | 123 | 56 | 44 | .2 | 186 | 6.5 | -- |
| Ly 30 | do | 9-24-63 | -- | .06 | .00 | 12 | 2.7 | 11 | 1.7 | 19 | 16 | 23 | -- | -- | 93 | 41 | 26 | -- | 154 | 6.1 | 53 |
| do | do | 4-14-64 | -- | .03 | .10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ly 38 | do | 6-28-65 | -- | .05 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 50 | 20 | -- | -- | 87 | 6.6 | -- |
| Ly 41a | Bedrock | 6-28-65 | -- | .09 | .66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 140 | 50 | -- | -- | 217 | 6.6 | -- |
| Ly 42 3/ | Stratified Drift | 6-28-65 | -- | .08 | .12 | 8.4 | 1.7 | 6.9 4/ | -- | 30 | 7.7 | 5.1 | -- | 3.8 | 79 | 28 | 4 | .2 | 100 | 7.0 | -- |
| Ly 71 | Till | 8-12-64 | 8.6 | .18 | .03 | 28 | 4.4 | 16 | 24 | 83 | 41 | 16 | .2 | 20 | 210 | 88 | 20 | -- | 338 | 7.3 | 58 |
| Ly 88 3/ | Bedrock | 5-20-65 | 16 | .02 | .02 | 17 | 3.5 | 11 | 2.6 | 38 | 12 | 21 | .2 | 14 | 134 | 57 | 26 | .1 | 190 | 6.4 | -- |
| Ly 1sp | Till | 7-24-64 | -- | .04 | -- | 3.7 | .1 | 5.7 | .4 | -- | -- | -- | -- | .1 | -- | 14 | -- | -- | 61 | 6.3 | 59 |
| do | do | 7-30-64 | -- | .20 | -- | -- | -- | -- | -- | 7 | 5.4 | 9.0 | -- | .2 | 45 | -- | -- | -- | 54 | 6.3 | 63 |
| | | | | | | | | | | Town of Montville | | | | | | | | | | | |
| Mv 1 | Stratified Drift | 9-25-63 | -- | .87 | .29 | 43 | 32 | 212 | 6.2 | 12 | 97 | 448 | -- | -- | 956 | 238 | 229 | -- | 1,590 | 5.9 | -- |
| do | do | 4-14-64 | -- | .19 | .41 | 50 | 41 | 309 | 7.1 | 12 | 109 | 607 | -- | -- | 1,270 | 296 | 286 | -- | 2,170 | 5.9 | 54 |
| Mv 3 | Bedrock | 9-25-63 | -- | .15 | .05 | 17 | 6.2 | 12 | 2.4 | 19 | 54 | 20 | -- | -- | 133 | 68 | 53 | -- | 198 | 5.9 | -- |
| do | do | 4-14-64 | -- | .04 | .00 | 18 | 5.6 | 15 | 2.5 | 24 | 38 | 19 | -- | -- | 149 | 68 | 48 | -- | 240 | 6.9 | 54 |
| Mv 10 | Stratified Drift | 9-25-63 | -- | .10 | .05 | 13 | 5.7 | 12 | 2.1 | 18 | 38 | 18 | -- | -- | 98 | 56 | 41 | -- | 167 | 5.8 | -- |
| do | do | 4-14-64 | -- | .05 | .00 | 12 | 2.4 | 13 | 2.0 | 16 | 15 | 17 | -- | -- | 112 | 40 | 27 | -- | 172 | 6.4 | 49 |
| Mv 13 | do | 4-14-64 | -- | .06 | .78 | 17 | 4.0 | 14 | 4.8 | 36 | 25 | 16 | -- | -- | 131 | 59 | 30 | -- | 207 | 7.5 | 48 |
| Mv 14 | do | 4-14-64 | -- | 2.3 | .73 | 14 | 4.1 | 12 | 2.8 | 26 | 31 | 13 | -- | -- | 116 | 52 | 30 | -- | 185 | 6.4 | 48 |
| Mv 24 | Bedrock | 6-23-65 | -- | .02 | .02 | -- | -- | -- | -- | -- | 6.9 | -- | -- | -- | 45 | 19 | -- | -- | 60 | 7.2 | -- |
| Mv 25 | Stratified Drift | 4-14-64 | -- | .38 | .00 | 20 | 5.6 | 12 | 1.8 | 39 | 39 | 10 | -- | -- | 133 | 73 | 41 | -- | 211 | 6.7 | 46 |
| Mv 28 | do | 9-25-63 | -- | .08 | .03 | 5.1 | 2.8 | 6.4 | 1.0 | 12 | 20 | 6.4 | -- | -- | 57 | 24 | 14 | -- | 73 | 6.1 | -- |
| do | do | 4-14-64 | -- | .01 | .00 | 20 | 5.4 | 12 | 3.1 | 10 | 17 | 43 | -- | -- | 170 | 72 | 64 | -- | 280 | 6.1 | 47 |
| Mv 29 | do | 9-25-63 | -- | .07 | .71 | 6.1 | 2.2 | 5.6 | .7 | 13 | 17 | 7.0 | -- | -- | 48 | 24 | 14 | -- | 71 | 5.8 | -- |
| Mv 30 | Bedrock | 4-14-64 | -- | .92 | .03 | 2.2 | 1.1 | 6.9 | .8 | 16 | 2.4 | 7.4 | -- | -- | 24 | 10 | 0 | -- | 63 | 6.8 | 52 |
| Mv 32 | do | 9-25-63 | -- | .03 | .00 | 14 | 2.9 | 3.6 | .4 | 33 | 17 | 7.4 | -- | -- | 74 | 47 | 20 | -- | 117 | 6.2 | -- |
| Mv 37 3/ 6/ | do | 5-24-65 | 20 | .02 | .13 | 18 | 4.1 | 8.0 | 1.1 | 58 | 20 | 5.0 | .4 | 1.4 | 110 | 62 | 14 | .0 | 153 | 6.5 | -- |
| Mv 63 3/ | Stratified Drift | 5-25-65 | 19 | .06 | .00 | 7.4 | 2.3 | 6.2 | .6 | 38 | 1.2 | 5.2 | .1 | 3.2 | 65 | 28 | 0 | .4 | 88 | 7.0 | -- |
| Mv 67 | Bedrock | 6-23-65 | -- | .10 | .33 | 24 | -- | -- | -- | 63 | -- | -- | -- | -- | 152 | 83 | 32 | -- | 239 | 7.2 | -- |
| Mv 2sp | Stratified Drift | 9-25-63 | -- | .10 | 2.2 | 64 | 24 | 33 | 4.0 | 0 | 287 | 25 | -- | -- | 489 | 260 | 258 | -- | 734 | 4.0 | -- |
| do | do | 10-28-63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 760 7/ | -- | 53 |
| do | do | 7-16-64 | -- | -- | -- | 55 | 8.0 | 34 | 3.5 | 0 | 198 | 31 | -- | 10 | 376 | 170 | 170 | -- | 550 | 4.3 | 53 |
| | | | | | | | | | | Town of New London | | | | | | | | | | | |
| NL 3 | Bedrock | 7-12-65 | -- | .06 | .00 | 66 | 9.4 | -- | -- | -- | -- | 107 | -- | -- | 440 | 203 | -- | -- | 704 | 7.7 | -- |
| NL 4 | do | 7-12-65 | -- | .16 | .02 | -- | -- | -- | -- | -- | -- | 65 | -- | 5.6 | 219 | 74 | -- | .1 | 387 | 7.3 | -- |
| NL 14 | do | 7-12-65 | 9.3 | .36 | .04 | 17 | 4.7 | 20 4/ | -- | 20 | 17 | 48 | -- | 5.5 | 161 | 62 | 46 | .1 | 258 | 7.2 | -- |
| NL 15 | do | 9-25-63 | -- | .34 | .05 | 15 | 3.5 | 5.4 | 1.2 | 56 | 9.8 | 8.6 | -- | -- | 112 | 52 | 6 | -- | 150 | 7.1 | -- |
| do | do | 4-14-64 | -- | .19 | .01 | 20 | 7.3 | 16 | 1.6 | 71 | 16 | 18 | -- | -- | 148 | 80 | 22 | -- | 240 | 7.4 | 56 |
| NL 16 | do | 7-12-65 | -- | .03 | .00 | 27 | 6.2 | -- | -- | 38 | -- | 46 | -- | -- | 215 | 93 | 62 | -- | 336 | 7.1 | -- |
| NL 20 | do | 7-12-65 | 18 | .36 | .03 | 30 | 6.1 | -- | -- | 70 | 26 | 18 | -- | -- | 194 | 100 | 42 | .1 | 289 | 7.4 | -- |

Table 7.--Chemical analyses of water from wells and springs--Continued

| Well or spring number | Water-yielding unit | Date of collection | Parts per million: Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Specific conductance (micromhos at 25°C) | pH | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Town of North Stonington | | | | | | | | | | | |
| Nsn 4 | Bedrock | 11-28-62 | 23 | 0.28 | 0.02 | 8.2 | 0.7 | 9.8 | 1.8 | 32 | 5.5 | 11 | 0.3 | 1.7 | 79 | 24 | 0 | 0.0 | 107 | 7.8 | 52 |
| do | do | 4-18-63 | 22 | .21 | .02 | 8.2 | 1.8 | 9.8 | 1.8 | 38 | 5.5 | 9.5 | .1 | 1.7 | 80 | 28 | 0 | -- | 111 | 6.5 | 51 |
| Nsn 5 | do | 7-22-65 | -- | .01 | .00 | 36 | 8.3 | 9.9 | -- | 93 | 20 | 16 | .0 | 32 | 189 | 124 | 48 | .2 | 311 | 7.7 | -- |
| Nsn 7 | do | 7-20-65 | -- | .05 | .57 | 13 | 2.3 | -- | -- | -- | 12 | .0 | -- | -- | 86 | 42 | -- | -- | 131 | 7.3 | -- |
| Nsn 11 | do | 6-29-65 | -- | .08 | .00 | 17 | 1.3 | -- | -- | 48 | 8.9 | -- | .3 | -- | 91 | 48 | 8 | -- | 126 | 7.5 | -- |
| Nsn 15 | do | 7-20-65 | -- | .00 | .00 | 19 | 2.8 | -- | -- | -- | 3.0 | -- | .1 | -- | 94 | 59 | -- | -- | 148 | 7.6 | -- |
| Nsn 17 | do | 7-20-65 | -- | .19 | .17 | 19 | 4.2 | -- | -- | -- | 6.3 | -- | .3 | -- | 126 | 65 | -- | -- | 175 | 7.5 | -- |
| Nsn 29 3/ | Stratified Drift | 5-28-65 | 12 | .10 | .02 | 6.4 | 2.4 | 7.3 | 1.0 | 16 | 9.3 | 10 | .1 | 6.8 | 71 | 26 | 13 | .0 | 92 | 6.7 | -- |
| Nsn 30 | do | 7-20-65 | -- | .18 | .07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 112 | 57 | -- | -- | 180 | 7.5 | -- |
| Nsn 39 | Bedrock | 6-29-65 | 11 | .26 | .23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 98 | 44 | -- | -- | 138 | 6.8 | -- |
| Nsn 40 3/ | do | 5-25-65 | 22 | 1.6 | .39 | 416 | 20 | 23 | 3.2 | 60 | 1,040 | 31 | 1.4 | .4 | 1,830 | 1,120 | 1,070 | .0 | 1,860 | 6.9 | -- |
| | | | | | | | | | | Town of Norwich | | | | | | | | | | | |
| Nwh 9 | Bedrock | 9-24-63 | -- | .36 | .14 | 66 | 24 | 177 | 8.4 | 68 | 82 | 362 | -- | -- | 887 | 263 | 208 | -- | 1,480 | 6.7 | -- |
| Nwh 15 | do | 6-23-65 | -- | .21 | .00 | 22 | 3.9 | -- | -- | 25 | 28 | 37 | -- | -- | 179 | 71 | 50 | .1 | 269 | 7.1 | -- |
| Nwh 19 | do | 6-22-65 | -- | .04 | .01 | 23 | -- | -- | -- | 53 | -- | -- | -- | -- | 135 | 70 | 27 | -- | 208 | 7.2 | -- |
| Nwh 22 | do | 6-22-65 | -- | .04 | .01 | 15 | -- | -- | -- | -- | -- | -- | -- | -- | 112 | 49 | -- | -- | 148 | 6.9 | -- |
| Nwh 24 | Stratified Drift | 6-23-65 | -- | .13 | .00 | 22 | 2.7 | -- | -- | 34 | 15 | -- | -- | 43 | 172 | 66 | 38 | -- | 240 | 6.9 | -- |
| Nwh 25 | Bedrock | 7- 7-65 | 14 | .24 | .01 | 36 | 3.6 | -- | -- | 77 | -- | 10 | -- | 6.2 | 172 | 105 | 42 | .1 | 293 | 7.4 | -- |
| Nwh 27 | Stratified Drift | 6-22-65 | -- | .05 | .00 | 12 | 2.4 | -- | -- | 38 | 15 | -- | -- | -- | 75 | 40 | 9 | -- | 118 | 7.0 | -- |
| | | | | | | | | | | Town of Old Lyme | | | | | | | | | | | |
| OL 5 | Bedrock | 7- 8-65 | -- | .02 | .01 | -- | -- | -- | -- | -- | -- | 13 | -- | -- | 145 | 61 | -- | -- | 255 | 7.9 | -- |
| OL 10 3/ | do | 5-18-65 | 19 | 3.2 | .23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 69 | 32 | -- | -- | 113 | 7.4 | 53 |
| OL 15-17 3/ 8/ | Stratified Drift | 5-18-65 | 10 | .02 | .03 | 11 | 3.5 | 15 | 1.7 | 14 | 12 | 22 | .0 | 27 | 136 | 42 | 30 | .1 | 184 | 6.6 | 53 |
| OL 21 3/ | do | 5-18-65 | 11 | 1.0 | .13 | 7.1 | 2.1 | 10 | 1.7 | 5 | 22 | 16 | .2 | 1.2 | 80 | 26 | 22 | .0 | 126 | 5.3 | 49 |
| OL 23 3/ | Bedrock | 5-18-65 | -- | .10 | .04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 80 | 28 | -- | -- | 128 | 6.6 | 50 |
| OL 27 | do | 7- 8-65 | -- | .19 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 105 | 66 | -- | -- | 190 | 7.4 | -- |
| OL 51 | do | 7- 8-65 | -- | .11 | .21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 165 | 117 | -- | -- | 292 | 7.8 | -- |
| OL 58 3/ | Stratified Drift | 7- 8-65 | -- | .17 | .01 | 29 | 8.9 | -- | -- | -- | -- | 75 | -- | -- | 259 | 109 | -- | -- | 443 | 7.7 | -- |
| OL 61 3/ | Bedrock | 7-23-65 | -- | .05 | .00 | 19 | 5.2 | -- | -- | -- | -- | 21 | -- | -- | 136 | 69 | -- | -- | 242 | 7.4 | -- |
| OL 63 3/ | Stratified Drift | 7- 8-65 | -- | .26 | .12 | 9.4 | 3.0 | -- | -- | -- | -- | 16 | -- | -- | 78 | 36 | -- | -- | 151 | 7.1 | -- |
| | | | | | | | | | | Town of Preston | | | | | | | | | | | |
| Ps 6 | Bedrock | 6-29-65 | 16 | .19 | .02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 87 | 51 | -- | -- | 134 | 7.4 | -- |
| Ps 7 | do | 7-19-65 | -- | .02 | .02 | 11 | 3.8 | -- | -- | 30 | -- | -- | -- | -- | 75 | 43 | 18 | .0 | 117 | 6.9 | -- |
| Ps 34 | do | 7-29-63 | 24 | 4.8 | .14 | 15 | 8.4 | 6.3 | 2.6 | 38 | 21 | 19 | -- | 1.0 | 135 | 72 | 41 | -- | 208 | 6.3 | -- |
| Ps 36 | do | 6-29-65 | -- | .38 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 263 | 102 | -- | -- | 355 | 6.8 | -- |
| Ps 62 | do | 6-29-65 | -- | .03 | .03 | 54 | -- | -- | -- | -- | -- | -- | -- | -- | 268 | 166 | -- | .1 | 399 | 7.9 | -- |
| Ps 65 | Stratified Drift | 9-24-63 | -- | .11 | .08 | 13 | 3.3 | 6.1 | 1.2 | 30 | 24 | 7.0 | -- | -- | 83 | 46 | 22 | -- | 125 | 6.2 | -- |
| do | do | 4-14-64 | -- | .09 | .03 | 10 | 1.7 | 4.7 | .9 | 24 | 12 | 4.0 | -- | -- | 64 | 32 | 12 | -- | 104 | 6.4 | -- |
| Ps 66 | Bedrock | 6-29-65 | -- | .07 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 58 | 32 | -- | -- | 92 | 7.0 | -- |
| Ps 67 | Stratified Drift | 9-24-63 | -- | .04 | .00 | 19 | 4.7 | 24 | 2.8 | 35 | 23 | 48 | -- | -- | 199 | 67 | 39 | -- | 283 | 6.5 | -- |
| do | do | 4-14-64 | -- | .11 | .00 | 18 | 2.7 | 20 | 2.9 | 37 | 17 | 37 | -- | -- | 134 | 56 | 26 | -- | 240 | 6.8 | -- |
| do | do | 12-16-64 | 15 | .11 | .01 | 18 | 4.1 | 24 4/ | -- | 36 | 18 | 45 | .1 | 4.0 | 158 | 62 | 32 | -- | 260 | 7.5 | 52 |
| do | do | 12-16-64 | 15 | .01 | .00 | 19 | 4.2 | 26 4/ | -- | 36 | 18 | 49 | -- | 4.5 | 173 | 65 | 19 | -- | 276 | 7.5 | 55 |
| do | do | 12-17-64 | -- | .06 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 | 35 | -- | 283 | 7.5 | 54 |
| Ps 105 | do | 6-29-65 | -- | .02 | .00 | 4.3 | .9 | -- | -- | -- | -- | -- | -- | 1.2 | 38 | 14 | -- | .0 | 50 | 6.9 | -- |
| Ps 109 | Bedrock | 6-29-65 | -- | .30 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 55 | 20 | -- | -- | 69 | 6.8 | -- |
| Ps 115 3/ | do | 5-26-65 | 13 | .01 | .01 | 33 | 2.6 | 5.8 | 2.1 | 96 | 21 | 7.5 | .2 | 1.0 | 132 | 93 | 14 | .0 | 221 | 7.6 | -- |
| Ps 116 | do | 7-19-65 | -- | 6.2 | .24 | 6.2 | 6.7 | -- | -- | -- | 50 | -- | -- | -- | 117 | 43 | -- | -- | 172 | 4.4 | -- |
| Ps 117 | Till | 7-19-65 | -- | .08 | .01 | 8.6 | 4.0 | -- | -- | -- | 30 | -- | -- | -- | 82 | 38 | -- | -- | 127 | 6.7 | -- |
| Ps 118 | Bedrock | 7-19-65 | -- | .32 | .20 | 4.3 | 7.2 | -- | -- | -- | 39 | -- | -- | -- | 118 | 40 | -- | -- | 146 | 6.4 | -- |
| Ps 119 | do | 7-19-65 | -- | .06 | .04 | 23 | 5.0 | -- | -- | -- | 17 | -- | -- | -- | 133 | 78 | -- | -- | 207 | 7.0 | -- |
| Ps 120 | do | 7-19-65 | -- | .18 | .03 | 13 | 2.1 | -- | -- | -- | 10 | -- | -- | -- | 89 | 41 | -- | -- | 125 | 7.2 | -- |
| Ps 121 | do | 7-20-65 | 21 | .33 | .10 | 3.1 | 3.3 | -- | -- | -- | 25 | -- | -- | -- | 74 | 21 | -- | -- | 86 | 6.8 | -- |
| Ps 132 | do | 6-29-65 | -- | .05 | .00 | 10 | 2.9 | -- | -- | 19 | 13 | 8.9 | -- | -- | 82 | 37 | 22 | .1 | 122 | 7.0 | -- |

Table 7.--Chemical analyses of water from wells and springs--Continued

| Well or spring number | Water-yielding unit | Date of collection | Parts per million: Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate (Cl) | Chloride ($SO_4$) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Specific conductance (micromhos at 25°C) | pH | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Town of Stonington | | | | | | | | | | | | | |
| Sn 8 | Bedrock | 7-22-65 | -- | 0.47 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 113 | 64 | -- | -- | 185 | 7.2 | -- |
| Sn 10 | do | 7-13-65 | -- | .04 | .02 | 18 | 2.4 | 8.0 4/ | -- | 50 | 15 | 6.1 | -- | 0.9 | 97 | 55 | 14 | -- | 150 | 7.0 | -- |
| Sn 22 | do | 7-14-65 | -- | .04 | .03 | -- | -- | -- | -- | -- | -- | 16 | -- | -- | 92 | 43 | -- | -- | 172 | 6.9 | -- |
| Sn 23 | do | 7-14-65 | -- | 8.2 | .84 | -- | -- | -- | -- | -- | -- | 31 | -- | -- | 208 | 122 | -- | -- | 322 | 7.5 | -- |
| Sn 54 | do | 7-22-65 | -- | .07 | .00 | -- | -- | -- | -- | -- | -- | 5.5 | -- | -- | 66 | 34 | -- | -- | 112 | 7.2 | -- |
| Sn 55 | Till | 7-14-65 | 6.6 | .36 | .01 | -- | -- | -- | -- | -- | -- | 5.3 | -- | .8 | 40 | 22 | -- | -- | 70 | 6.9 | -- |
| Sn 58 | Bedrock | 7-22-65 | -- | .10 | .02 | -- | -- | -- | -- | -- | -- | 7.1 | -- | -- | 106 | 49 | -- | -- | 172 | 7.1 | -- |
| Sn 66 | do | 7-22-65 | -- | .76 | .04 | -- | -- | -- | -- | -- | -- | 5.9 | -- | -- | 58 | 28 | -- | -- | 111 | 6.9 | -- |
| Sn 71 | do | 7-14-65 | -- | .04 | .02 | 7.5 | 2.6 | 7.4 4/ | -- | 26 | 10 | 7.0 | -- | 3.2 | 60 | 29 | 8 | -- | 108 | 7.3 | -- |
| Sn 110 | do | 7-14-65 | 16 | .24 | .03 | -- | -- | -- | -- | -- | -- | 10 | -- | -- | 154 | 3 | -- | -- | 243 | 7.8 | -- |
| Sn 128 | Stratified Drift | 7-14-65 | -- | .09 | .02 | 13 | 1.1 | -- | -- | 24 | 12 | 12 | -- | -- | 77 | 37 | 18 | -- | 128 | 6.9 | -- |
| Sn 130 | do | 7-14-65 | -- | .08 | .02 | 18 | 5.4 | -- | -- | 50 | 18 | 16 | -- | -- | 144 | 67 | 26 | -- | 253 | 7.1 | -- |
| Sn 133 | Bedrock | 9-24-63 | -- | .06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 267 | 7.7 | -- |
| do | do | 4-13-64 | -- | .05 | .01 | 18 | 7.0 | 17 | 2.2 | 59 | 15 | 27 | -- | -- | 160 | 74 | 26 | -- | 241 | 7.1 | -- |
| Sn 139 | Stratified Drift | 7-14-65 | -- | .03 | .04 | 8.9 | 3.4 | -- | -- | -- | -- | 26 | -- | -- | 103 | 36 | -- | -- | 188 | 6.8 | -- |
| Sn 148 | Bedrock | 7-20-65 | -- | .07 | .05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 94 | 39 | -- | -- | 150 | 7.2 | -- |
| Sn 149 3/ | Stratified Drift | 7-20-65 | -- | .25 | .00 | .7 | .1 | -- | -- | 20 | -- | 7.9 | -- | -- | 36 | 2 | 0 | 0.0 | 67 | 6.8 | -- |
| Sn 154 3/ | Bedrock | 7-20-65 | -- | .37 | .01 | 22 | 7.5 | -- | -- | -- | 10 | 6.5 | -- | .3 | 112 | 86 | -- | .2 | 201 | 7.5 | -- |
| Sn 155 3/ | Stratified Drift | 7-20-65 | -- | .01 | .01 | 12 | 3.9 | -- | -- | 48 | 6.7 | -- | -- | 3.5 | 83 | 46 | 6 | .2 | 139 | 7.3 | -- |
| | | | | | | | | Town of Waterford | | | | | | | | | | | | | |
| Wt 1 | Bedrock | 7-15-65 | 16 | .39 | .01 | 16 | 4.4 | -- | -- | 46 | 12 | -- | -- | -- | 111 | 58 | 20 | -- | 179 | 7.3 | -- |
| Wt 2 | do | 7-15-65 | -- | .01 | .41 | -- | -- | -- | -- | -- | 18 | -- | -- | -- | 179 | 79 | -- | -- | 273 | 7.0 | -- |
| Wt 5 | Stratified Drift | 9-25-63 | -- | .12 | .05 | 26 | 6.3 | 15 | 8.0 | 72 | 36 | 24 | -- | -- | 158 | 91 | 32 | -- | 262 | 6.9 | -- |
| do | do | 4-13-64 | -- | .01 | .01 | 22 | 3.9 | 36 | 2.0 | 15 | 30 | 72 | -- | -- | 210 | 71 | 59 | -- | 343 | 6.4 | 44 |
| Wt 7 | do | 7-15-65 | -- | .41 | .05 | 21 | 6.9 | -- | -- | 22 | -- | 17 | -- | -- | 155 | 81 | 63 | -- | 241 | 7.1 | -- |
| Wt 12 | Bedrock | 9-25-63 | -- | .04 | .00 | 28 | 7.8 | 5.5 | 2.6 | 97 | 21 | 9.8 | -- | -- | 165 | 102 | 23 | -- | 247 | 7.2 | -- |
| do | do | 4-13-64 | -- | .08 | .03 | 27 | 5.5 | 16 | 2.3 | 108 | 21 | 11 | -- | -- | 169 | 90 | 2 | -- | 265 | 7.6 | -- |
| Wt 13 | do | 6-24-65 | -- | .04 | .00 | 13 | 2.6 | -- | -- | 31 | 16 | 13 | -- | -- | 117 | 43 | 18 | -- | 149 | 7.2 | -- |
| Wt 17 | do | 6-24-65 | -- | .17 | .00 | 14 | 1.5 | -- | -- | 28 | 19 | 3.6 | -- | -- | 82 | 41 | 18 | -- | 119 | 6.9 | -- |
| Wt 21 | Stratified Drift | 7-15-65 | -- | .00 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 40 | 13 | -- | -- | 58 | 6.7 | -- |
| Wt 23 | Bedrock | 7-14-65 | -- | .00 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 221 | 121 | -- | -- | 351 | 7.6 | -- |
| Wt 41 | Stratified Drift | 9- 2-64 | 11 | .11 | .02 | 4.9 | 1.0 | 4.5 | .6 | 13 | 10 | 6.6 | 0.1 | .0 | 42 | 16 | 6 | -- | 65 | 7.1 | 50 |
| do | do | 9- 2-64 | -- | .09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 71 | 6.2 | 50 |
| do | do | 9- 2-64 | -- | .08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 | 7.2 | 50 |
| do | do | 9- 2-64 | -- | .10 | -- | 5.8 | 1.3 | 6.4 4/ | -- | 13 | 13 | 7.3 | -- | .3 | -- | 20 | 10 | -- | 92 | 6.1 | 50 |
| do | do | 9- 2-64 | -- | .02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 68 | 6.2 | 50 |
| do | do | 9- 2-64 | -- | .12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 68 | 6.1 | 50 |
| do | do | 9- 3-64 | -- | .07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 77 | 6.2 | 50 |
| do | do | 9- 3-64 | -- | .15 | -- | 6.3 | 1.8 | 6.0 4/ | -- | 13 | 14 | 8.0 | -- | .3 | -- | 23 | 12 | -- | 92 | 6.1 | 50 |
| do | do | 9- 3-64 | -- | .08 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 | 7.0 | 50 |
| Wt 45 | do | 9- 3-64 | 13 | .12 | .02 | 7.5 | 2.3 | 5.7 | .9 | 17 | 11 | 8.2 | .1 | 5.8 | 73 | 28 | 14 | -- | 97 | 7.1 | -- |
| Wt 48 | do | 9-16-64 | -- | -- | .03 | 5.5 | 2.1 | 2.8 | .8 | 17 | 8.8 | 4.0 | -- | 1.3 | 40 | 22 | 8 | -- | 69 | 6.3 | 55 |
| Wt 56 3/ | do | 5-19-65 | 9.0 | .03 | .02 | 10 | 2.7 | 14 | 2.2 | 24 | 17 | 24 | .2 | 1.8 | 100 | 36 | 16 | .0 | 161 | 6.2 | 53 |
| Wt 1sp | Till (and gneiss?) | 8-19-64 | 14 | -- | .02 | 13 | 3.8 | 6.8 | .9 | 34 | 11 | 10 | .1 | 10 | 87 | 48 | 20 | -- | 141 | 7.4 | 53 |
| | | | | | | | | RHODE ISLAND | | | | | | | | | | | | | |
| | | | | | | | | Town of Westerly | | | | | | | | | | | | | |
| Wes 103-166 3/ 8/ | Stratified Drift | 5-26-65 | 11 | .02 | .03 | 6.2 | 1.1 | 10 | 1.2 | 22 | 11 | 9.2 | .1 | 7.0 | 68 | 20 | 2 | .0 | 98 | 7.0 | -- |

1/ Calculated.
2/ Recommended control limits: lower 0.8 ppm, optimum 1.0 ppm.
3/ Public water supply.
4/ Sodium (Na) and potassium (K) calculated as sodium (Na).
5/ Sample collected after chlorination.
6/ Sample analyzed includes water from well Mv 38.
7/ Field specific conductance.
8/ Samples analyzed include water from gang wells.

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards | | | (recommended upper limit): | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | | | | | | | | | CONNECTICUT | | | | | | | | | | | | |
| 1182.55 | Green Fall River at Laurel Glen | 9-24-63 | 1.2 | 8 | -- | 0.11 | 0.00 | 3.2 | 1.5 | 3.6 | 0.8 | 8 | 10 | 4.4 | -- | -- | 34 | 14 | 8 | -- | -- | 45 | 6.1 | -- | 51 |
| | do | 4- 9-64 | 55 | 378 | -- | .03 | .03 | 2.5 | .7 | 2.5 | .3 | 2 | 8.6 | 3.7 | -- | -- | 38 | 9 | 8 | -- | -- | 41 | 5.2 | -- | 43 |
| | do | 9-22-64 | .50 | 3 | 9.0 | .29 | -- | -- | -- | -- | -- | -- | 7.2 | -- | -- | 0.3 | -- | -- | -- | -- | -- | 54 | 5.9 | 8 | 59 |
| | do | 10- 6-64 | .4 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 49 2/ | -- | -- | 48 |
| 1182.8 | Wyassup Brook near North Stonington | 9-24-63 | -- | -- | -- | 1.3 | .34 | 9.6 | 2.2 | 4.5 | 1.9 | 36 | 9.0 | 5.0 | -- | -- | 58 | 33 | 4 | -- | -- | 96 | 6.4 | -- | 58 |
| | do | 4- 9-64 | -- | -- | -- | .08 | .03 | 3.2 | 1.2 | 3.0 | .7 | 5 | 11 | 4.6 | -- | -- | 41 | 13 | 9 | -- | -- | 53 | 5.8 | -- | 43 |
| | do | 10- 6-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 2/ | -- | -- | 52 |
| 1183 | Pendleton Hill Brook near Clarks Falls | 4-24-62 | 7.3 | 88 | 5.0 | .12 | .00 | 2.4 | 1.2 | 3.1 | .5 | 10 | 6.8 | 3.6 | 0.0 | .2 | 33 | 11 | 3 | -- | 0.4 | 41 | 6.4 | 19 | 58 |
| | do | 11-28-62 | 11 | 133 | 7.9 | .08 | .01 | 2.4 | 1.2 | 3.1 | .4 | 5 | 7.9 | 4.0 | .1 | .2 | 34 | 11 | 7 | 0.0 | .3 | 40 | 6.0 | 21 | 40 |
| | do | 4-18-63 | 9.4 | 113 | 5.0 | .06 | .03 | 2.8 | 1.2 | 3.4 | .8 | 7 | 6.7 | 4.0 | .2 | .7 | 33 | 12 | 7 | .0 | .4 | 43 | 6.2 | 24 | 47 |
| | do | 9-24-63 | .45 | 5 | -- | .15 | .00 | 5.0 | 1.4 | 4.1 | 1.1 | 10 | 13 | 4.4 | -- | -- | -- | 19 | 11 | -- | -- | 63 | 5.9 | -- | 52 |
| | do | 4- 9-64 | 32 | 386 | -- | .06 | .03 | 3.9 | .6 | 3.3 | .6 | 4 | 12 | 5.2 | -- | -- | 50 | 12 | 9 | -- | -- | 56 | 5.5 | -- | 45 |
| | do | 9-22-64 | .07 | 1 | 9.9 | .23 | -- | -- | -- | -- | -- | -- | 12 | 4.8 | -- | .6 | -- | -- | -- | -- | -- | 68 | 6.3 | 10 | 59 |
| | do | 10- 6-64 | .59 | 7 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 100 2/ | -- | -- | 50 |
| | do | 4-16-65 | 45 | 544 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 20 | -- | -- | -- | -- |
| 1183.5 | Green Fall River at Clarks Falls | 9-24-63 | 2.4 | 6 | -- | .21 | .04 | 4.0 | 1.2 | 4.7 | 1.1 | 11 | 9.2 | 6.2 | -- | -- | 37 | 15 | 6 | -- | -- | 61 | 6.0 | -- | 59 |
| | do | 4- 9-64 | 148 | 356 | -- | .03 | .02 | 2.2 | .8 | 2.9 | .5 | 4 | 9.0 | 3.1 | -- | -- | 28 | 9 | 6 | -- | -- | 40 | 5.6 | -- | 44 |
| | do | 9-22-64 | 2.5 | 6 | 4.7 | -- | -- | -- | -- | -- | -- | -- | 21 | -- | -- | .8 | -- | -- | -- | -- | -- | 87 | 5.1 | 16 | 63 |
| | do | 10- 6-64 | 3.0 | 8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 63 2/ | -- | -- | 55 |
| 1183.6 | Pawcatuck River near Pawcatuck | 9-26-63 | -- | -- | -- | .25 | .01 | 4.8 | 2.1 | 21 | 1.5 | 47 | 15 | 12 | -- | -- | 97 | 21 | 0 | -- | -- | 152 | 6.6 | -- | 59 |
| | do | 4- 9-64 | -- | -- | -- | .14 | .03 | 4.2 | 1.6 | 33 | 1.4 | 32 | 44 | 15 | -- | -- | 151 | 17 | 0 | -- | -- | 202 | 7.0 | -- | 46 |
| | do | 10- 6-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 147 2/ | -- | -- | 58 |
| 1183.7 | Yawbucs Brook near North Stonington | 9-24-63 | .175 | 4 | -- | .12 | .04 | 5.3 | 1.8 | 3.9 | 1.0 | 13 | 11 | 6.0 | -- | -- | 58 | 21 | 10 | -- | -- | 67 | 6.4 | -- | 55 |
| | do | 4- 9-64 | 17.5 | 365 | -- | .09 | .01 | 4.1 | 1.0 | 3.0 | .6 | 6 | 12 | 4.4 | -- | -- | 47 | 14 | 9 | -- | -- | 52 | 5.9 | -- | 43 |
| | do | 9-22-64 | .060 | 1 | 6.7 | .35 | -- | -- | -- | -- | -- | -- | 8.8 | -- | -- | .5 | -- | -- | -- | -- | -- | 65 | 6.2 | 7 | 60 |
| | do | 10- 7-64 | .27 | 6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 60 2/ | -- | -- | 50 |
| 1183.73 | Shunock River at North Stonington | 10- 7-64 | -- | -- | 6.8 | -- | -- | 14 | 2.2 | 23 | 2.1 | 18 | 18 | 46 | -- | -- | -- | 44 | 29 | -- | -- | 229 | 6.6 | -- | 51 |
| 1183.75 | Assekonk Brook near North Stonington | 9-24-63 | .032 | 1 | -- | .17 | .04 | 9.8 | 1.6 | 7.2 | 1.5 | 23 | 14 | 10 | -- | .8 | 77 | 31 | 12 | -- | -- | 115 | 6.3 | -- | 57 |
| | do | 4- 9-64 | 15 | 457 | -- | .06 | .00 | 4.6 | 1.1 | 4.1 | .7 | 5 | 13 | 5.9 | -- | -- | 45 | 16 | 12 | -- | -- | 62 | 5.7 | -- | 45 |
| | do | 9-22-64 | .019 | 1 | 13 | .13 | -- | -- | -- | -- | -- | -- | 42 | -- | -- | .5 | -- | -- | -- | -- | -- | 174 | 6.1 | 6 | 60 |
| | do | 10- 7-64 | .01 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 185 2/ | -- | -- | 51 |
| 1183.8 | Assekonk Brook at North Stonington | 9-24-63 | .44 | 6 | -- | .18 | .04 | 6.6 | 3.4 | 3.4 | .4 | 9 | 23 | 3.6 | -- | -- | 82 | 31 | 23 | -- | -- | 94 | 5.6 | -- | 54 |
| | do | 4- 9-64 | 32 | 404 | -- | .09 | .01 | 4.6 | 1.8 | 4.0 | .6 | 4 | 17 | 5.9 | -- | -- | 57 | 19 | 16 | -- | -- | 70 | 5.3 | -- | 46 |
| | do | 9-22-64 | .130 | 2 | 6.5 | .40 | -- | -- | -- | 5.3 | 2.3 | -- | 19 | 4.4 | -- | 4.8 | -- | -- | -- | -- | -- | 133 | 6.0 | 35 | 63 |
| | do | 10- 7-64 | .22 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 111 2/ | -- | -- | 53 |
| 1184 | Shunock River near North Stonington | 9-24-63 | 3.0 | 8 | -- | .12 | .03 | 9.1 | 1.9 | 8.2 | 1.5 | 38 | 8.3 | 7.0 | -- | 1.4 | 87 | 31 | 0 | -- | -- | 112 | 6.9 | -- | 54 |
| | do | 4- 9-64 | 160 | 427 | -- | .06 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 46 |
| | do | 9-22-64 | 2.25 | 6 | 9.5 | .34 | -- | -- | -- | -- | -- | -- | 49 | -- | -- | 1.8 | -- | -- | -- | -- | -- | 215 | 4.6 | 3 | 63 |
| | do | 10- 7-64 | 3.0 | 8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 138 2/ | -- | -- | 52 |
| | do | 4-16-65 | 78 | 209 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 13 | -- | -- | -- | -- |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25° C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards (recommended upper limit): | | | | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | | | | | | | | RHODE ISLAND | | | | | | | | | | | | | |
| 1185 | Pawcatuck River at Westerly, Rhode Island | 9-26-63 | 132 | 23 | -- | 0.25 | 0.08 | 5.0 | 1.6 | 33 | 1.9 | 71 | 15 | 15 | -- | -- | 120 | 19 | 0 | -- | -- | 191 | 7.2 | -- | -- |
| | do | 4- 9-64 | 1,680 | 296 | -- | .11 | .03 | 4.2 | 2.3 | 6.9 | .8 | 3 | 12 | 12 | -- | -- | 62 | 20 | 18 | -- | -- | 96 | 5.2 | -- | 45 |
| | | | | | | | | | | | | CONNECTICUT | | | | | | | | | | | | | |
| 1185.2 | Pawcatuck River near Pawcatuck | 9-24-63 | -- | -- | -- | .05 | .05 | 268 | 780 | 7,160 | 269 | 115 | 1,670 | 12,900 | -- | -- | 24,800 | 3,880 | 3,790 | -- | -- | 34,800 | 7.1 | -- | 61 |
| 1185.5 | Anquillo Brook at Wequetequock | 9-24-63 | .90 | 6 | -- | .17 | .11 | 6.7 | 2.0 | 7.0 | 1.7 | 23 | 9.2 | 9.8 | -- | -- | 65 | 25 | 6 | -- | -- | 99 | 7.1 | -- | 54 |
| | do | 4- 9-64 | 84 | 585 | -- | .09 | .00 | 5.0 | .9 | 4.2 | .6 | 7 | 14 | 4.6 | -- | -- | 40 | 16 | 11 | -- | -- | 63 | 6.1 | -- | 46 |
| | do | 10- 7-64 | 1.1 | 7 | 10 | .08 | -- | -- | -- | -- | -- | -- | 20 | -- | -- | 1.2 | -- | -- | -- | -- | -- | 115 | 6.5 | 14 | 52 |
| 1186.4 | Palmer Reservoir near Mystic 3/ | 5-12-65 | -- | -- | 4.4 | .37 | .02 | 4.1 | 1.9 | 5.5 | .4 | 9 | 12 | 8.3 | .1 | .4 | 50 | 18 | 10 | -- | 0 | 71 | 6.4 | 24 | 64 |
| 1187 | Whitford Brook at Old Mystic | 9-24-63 | 1.45 | 6 | -- | .42 | .05 | 8.2 | 2.5 | 5.2 | 1.5 | 22 | 15 | 7.0 | -- | -- | 62 | 31 | 13 | -- | -- | 91 | 6.5 | -- | 60 |
| | do | 4- 9-64 | 130 | 501 | -- | .06 | .01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 46 |
| | do | 9-22-64 | 1.18 | 5 | 7.6 | .45 | -- | -- | -- | -- | -- | -- | 22 | -- | -- | 1.1 | -- | -- | -- | -- | -- | 106 | 6.0 | 8 | 68 |
| | do | 10- 8-64 | .75 | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 108 2/ | -- | -- | 52 |
| | do | 4-16-65 | 62 | 239 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | -- | -- |
| 1187.5 | Haleys Brook near Old Mystic | 4-24-62 | 10 | 130 | 3.1 | .17 | .00 | 4.2 | 1.8 | 4.7 | .7 | 12 | 11 | 5.7 | .0 | .8 | 42 | 18 | 8 | -- | .4 | 65 | 6.6 | 28 | 59 |
| | do | 9-24-63 | .36 | 5 | -- | .20 | .00 | 8.0 | 3.2 | 6.5 | 1.6 | 18 | 18 | 12 | -- | -- | 63 | 33 | 18 | -- | -- | 102 | 6.5 | -- | 58 |
| | do | 4- 9-64 | 40 | 522 | -- | .08 | .03 | 3.8 | 1.1 | 9.8 | .9 | 8 | 17 | 8.2 | -- | -- | 54 | 14 | 8 | -- | -- | 86 | 6.1 | -- | 45 |
| | do | 9-22-64 | .25 | 3 | 11 | .21 | -- | -- | -- | 6.9 | -- | -- | 26 | -- | -- | 1.3 | -- | -- | -- | -- | -- | 124 | 6.2 | 10 | 62 |
| | do | 10- 9-64 | .14 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 164 2/ | -- | -- | 54 |
| 1187.6 | Mystic River at Old Mystic | 9-24-63 | -- | -- | -- | .09 | .00 | 330 | 1,000 | 8,700 | 344 | 117 | 1,750 | 15,900 | -- | -- | 30,200 | 4,940 | 4,840 | -- | -- | 41,000 | 7.0 | -- | 61 |
| 1187.8 | Mystic River at Mystic | 9-26-63 4/ | -- | -- | -- | .05 | .05 | 347 | 1,000 | 9,620 | 336 | 124 | 2,210 | 16,500 | -- | -- | 31,600 | 4,980 | 4,880 | -- | -- | 43,500 | 7.3 | -- | 59 |
| | do | 9-26-63 5/ | -- | -- | -- | .10 | .07 | 351 | 1,140 | 9,520 | 354 | 124 | 2,330 | 16,700 | -- | -- | 31,400 | 5,580 | 5,470 | -- | -- | 43,000 | 7.1 | -- | 59 |
| 1188.5 | Eccleston Brook at Noank | 9-24-63 | .25 | 5 | -- | .10 | .05 | 11 | 3.5 | 11 | 1.9 | 27 | 19 | 18 | -- | -- | 99 | 42 | 20 | -- | -- | 147 | 6.4 | -- | 55 |
| | do | 4- 9-64 | 27 | 510 | -- | .12 | .00 | 5.6 | 2.7 | 6.7 | .9 | 2 | 17 | 13 | -- | -- | 71 | 25 | 24 | -- | -- | 109 | 4.9 | -- | 45 |
| | do | 9-22-64 | .22 | 4 | 13 | .12 | -- | -- | -- | -- | -- | -- | 19 | -- | -- | 1.1 | -- | -- | -- | -- | -- | 148 | 6.3 | 4 | 61 |
| 1189.9 | Groton Reservoir at Groton 3/ | 6-24-65 | -- | -- | 1.9 | .24 | .01 | 4.6 | 1.3 | 5.4 | .8 | 11 | 9.3 | 7.6 | .1 | .4 | 44 | 17 | 8 | -- | .7 | 69 | 6.5 | 7 | -- |
| 1190 | Great Brook at Poquonock Bridge | 5- 3-56 | 33 | -- | 3.5 | .16 | .00 | 3.1 | 1.8 | 3.7 | .7 | 8 | 8.4 | 5.8 | .0 | .4 | 33 | 15 | 9 | -- | -- | 53 | 6.1 | 8 | 56 |
| | do | 11-28-62 | 22 | -- | 6.5 | .21 | .03 | 4.0 | 1.5 | 6.1 | 1.1 | 9 | 10 | 9.0 | .1 | .6 | 50 | 16 | 9 | .0 | .4 | 70 | 6.2 | 19 | 41 |
| | do | 4-18-63 | 4.9 | -- | 6.2 | .05 | .10 | 3.1 | 1.4 | 3.5 | .7 | 8 | 7.7 | 4.8 | .2 | .3 | 34 | 14 | 7 | .0 | .4 | 48 | 6.2 | 5 | 50 |
| | do | 9-24-63 | .63 | -- | -- | .46 | .34 | 6.4 | 1.7 | 4.9 | 1.1 | 19 | 9.2 | 7.4 | -- | -- | 43 | 23 | 8 | -- | -- | 69 | 6.4 | -- | 60 |
| | do | 4- 9-64 | -- | -- | -- | .12 | .00 | 4.6 | .4 | 4.6 | .8 | 7 | 15 | 5.6 | -- | -- | 42 | 13 | 8 | -- | -- | 60 | 6.9 | -- | 44 |
| | do | 10- 8-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 90 2/ | -- | -- | 50 |
| 1190.3 | Poquonock River at Poquonock Bridge | 9-24-63 | -- | -- | -- | .06 | .03 | 329 | 960 | 9,010 | 333 | 120 | 2,140 | 16,000 | -- | -- | 30,700 | 4,770 | 4,670 | -- | -- | 37,600 | 7.2 | -- | 60 |
| 1271.5 | Shetuckot River at Norwich | 9-26-63 | 420 6/ | -- | -- | .47 | -- | 8.3 | 3.5 | 14 | 1.4 | 41 | 15 | 12 | -- | -- | 79 | 35 | 2 | -- | -- | 139 | 6.8 | -- | 61 |
| | do | 4- 9-64 | 6,800 6/ | -- | -- | .13 | .02 | 5.8 | 1.1 | 4.8 | 1.1 | 8 | 13 | 7.2 | -- | -- | 44 | 19 | 12 | -- | -- | 76 | 6.0 | -- | 45 |

Table 8.--Chemical analyses of water from s[illegible]s, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards (recommended upper limit): | | | | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | | | | | | | | |
| 1271.6 | Shetucket River at Norwich | 9-26-63 4/ | -- | -- | -- | 0.34 | 0.07 | 104 | 300 | 2,540 | 115 | 63 | 627 | 4,590 | -- | -- | 8,850 | 1,490 | 1,440 | -- | -- | 14,000 | 6.5 | -- | 62 |
| | do | 9-26-63 5/ | -- | -- | -- | .16 | .16 | 260 | 843 | 6,900 | 252 | 106 | 1,710 | 12,300 | -- | -- | 23,200 | 4,120 | 4,030 | -- | -- | 33,000 | 6.8 | -- | 64 |
| | do | 4- 9-64 4/ | -- | -- | -- | .12 | .03 | 6.3 | 1.3 | 5.0 | 1.1 | 12 | 13 | 7.2 | -- | -- | 47 | 21 | 11 | -- | -- | 81 | 6.0 | -- | 46 |
| 1271.7 | Shetucket River at Norwich | 9-26-63 4/ | -- | -- | -- | .39 | .05 | 68 | 142 | 1,310 | 50 | 52 | 340 | 2,280 | -- | -- | 4,370 | 753 | 712 | -- | -- | 7,390 | 6.5 | -- | 60 |
| | do | 9-26-63 5/ | -- | -- | -- | .14 | .05 | 330 | 990 | 8,730 | 347 | 133 | 2,160 | 15,600 | -- | -- | 29,500 | 4,900 | 4,790 | -- | -- | 40,300 | 6.9 | -- | 64 |
| | do | 4- 9-64 4/ | -- | -- | -- | .14 | .01 | 5.6 | 1.0 | 4.8 | 1.1 | 8 | 12 | 7.2 | -- | -- | 53 | 18 | 12 | -- | -- | 72 | 5.9 | -- | 46 |
| 1272 | Bartlett Brook near Colchester | 4-10-64 | 54 | 226 | -- | .06 | .03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 52 |
| | do | 9-22-64 | 4.7 | 20 | 1.8 | .19 | -- | 5.1 | -- | 3.7 | -- | 10 | 10 | -- | -- | 1.2 | -- | -- | -- | -- | -- | 58 | 6.3 | 7 | 60 |
| | do | 10-29-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 118 2/ | -- | -- | 54 |
| 1272.5 | Deep River near Colchester | 9-25-63 | .71 | 9 | -- | .17 | .04 | 6.7 | 1.5 | 4.4 | 1.3 | 8 | 19 | 6.0 | -- | -- | 54 | 23 | 16 | -- | -- | 87 | 6.0 | -- | 46 |
| | do | 4-10-64 | 40 | 561 | -- | .05 | .03 | 4.0 | 1.0 | 3.0 | 1.0 | 4 | 14 | 4.9 | -- | -- | 37 | 14 | 11 | -- | -- | 58 | 5.5 | -- | 51 |
| | do | 9-22-64 | .29 | 4 | 10 | .40 | -- | -- | -- | -- | -- | -- | 12 | -- | -- | 3.8 | -- | -- | -- | -- | -- | 82 | 6.1 | 5 | 59 |
| 1272.9 | Yantic River at Gilman | 9-25-63 | 6.0 | 9 | -- | .91 | .08 | 6.6 | 2.5 | 4.2 | 1.9 | 14 | 14 | 7.6 | -- | .8 | 61 | 27 | 16 | -- | -- | 80 | 6.2 | -- | 53 |
| | do | 4-10-64 | 205 | 299 | -- | .09 | .00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 50 |
| | do | 9-22-64 | 8.6 | 13 | 3.6 | .69 | -- | -- | -- | -- | -- | -- | 14 | -- | -- | .7 | -- | -- | -- | -- | -- | 87 | 6.3 | 14 | 59 |
| | do | 10-29-64 | 6.2 | 9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 78 2/ | -- | -- | 53 |
| | do | 3-24-65 | 100 | 146 | 5.0 | .04 | -- | 5.2 | .5 | 3.4 | .8 | 7 | 10 | 5.2 | -- | .4 | 36 | 15 | 10 | -- | -- | 54 | 6.8 | -- | 39 |
| 1273 | Pease Brook at Lebanon | 9-24-63 | .13 | 2 | -- | .48 | .15 | 9.9 | 1.1 | 4.2 | 2.0 | 24 | 12 | 6.0 | -- | -- | 66 | 29 | 10 | -- | -- | 87 | 6.4 | -- | 47 |
| | do | 4- 9-64 | 30 | 536 | -- | .06 | .00 | 6.2 | 1.1 | 2.9 | .8 | 8 | 13 | 4.9 | -- | -- | 46 | 20 | 14 | -- | -- | 64 | 6.0 | -- | 38 |
| | do | 9-22-64 | .11 | 2 | 13 | .66 | -- | -- | -- | -- | -- | -- | 7.4 | -- | -- | .0 | -- | -- | -- | -- | -- | 86 | 6.4 | 3 | 57 |
| | do | 10-30-64 | .20 | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 105 2/ | -- | -- | 51 |
| 1273.1 | Pease Brook near Lebanon | 9-24-63 | .86 | 6 | -- | .08 | .05 | 11 | 2.4 | 4.9 | 2.9 | 27 | 17 | 8.0 | -- | -- | 78 | 38 | 16 | -- | -- | 113 | 6.4 | -- | 47 |
| | do | 4- 9-64 | 57 | 408 | -- | .04 | .01 | 7.4 | 1.6 | 3.9 | 1.4 | 12 | 17 | 6.7 | -- | -- | 41 | 25 | 15 | -- | -- | 84 | 6.1 | -- | 43 |
| | do | 9-22-64 | .14 | 1 | 12 | .21 | -- | -- | -- | -- | -- | -- | 11 | -- | -- | 1.6 | -- | -- | -- | -- | -- | 105 | 7.0 | 5 | 55 |
| | do | 10-30-64 | .9 | 6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 118 2/ | -- | -- | 51 |
| 1273.5 | Gardner Brook near Bozrah Street | 9-25-63 | .061 | -- | -- | .11 | .04 | 4.8 | .7 | 4.1 | 1.0 | 7 | 12 | 6.2 | -- | .5 | 37 | 15 | 10 | -- | -- | 61 | 5.7 | -- | 54 |
| | do | 4-10-64 | -- | -- | -- | .05 | .00 | 3.4 | .6 | 3.6 | .7 | 3 | 13 | 5.3 | -- | -- | 43 | 11 | 8 | -- | -- | 55 | 5.2 | -- | 51 |
| | do | 9-22-64 | -- | -- | 1.5 | .23 | -- | -- | -- | -- | -- | -- | 7.8 | -- | -- | 1.2 | 41 | -- | -- | -- | -- | 58 | 6.8 | 4 | 63 |
| | do | 10-29-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 63 2/ | -- | -- | 54 |
| 1273.55 | Gardner Brook near Bozrah Street | 9-25-63 | 1.87 | 13 | -- | .05 | .03 | 4.8 | .4 | 4.0 | 1.2 | 11 | 7.8 | 6.0 | -- | .7 | 34 | 14 | 5 | -- | -- | 58 | 6.2 | -- | 46 |
| | do | 4-10-64 | 57 | 395 | -- | .02 | .03 | 4.2 | 1.1 | 3.4 | .7 | 6 | 12 | 5.7 | -- | -- | 47 | 15 | 10 | -- | -- | 56 | 5.8 | -- | 51 |
| | do | 9-22-64 | .70 | 5 | 8.0 | .18 | -- | -- | -- | -- | -- | -- | 13 | -- | -- | .6 | 74 | -- | -- | -- | -- | 96 | 6.3 | 5 | 56 |
| | do | 10-29-64 | 1.0 | 7 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 80 2/ | -- | -- | 51 |
| 1273.6 | Gardner Brook at Bozrah Street | 9-25-63 | 2.42 | 10 | -- | .09 | .03 | 8.2 | 1.0 | 4.5 | 1.6 | 16 | 14 | 7.0 | -- | 1.1 | 60 | 25 | 12 | -- | -- | 85 | 6.3 | -- | 48 |
| | do | 4-10-64 | 80 | 329 | -- | .05 | .04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 51 |
| | do | 9-22-64 | 1.07 | 4 | 6.0 | .33 | -- | -- | -- | -- | -- | -- | 16 | -- | -- | 1.7 | -- | -- | -- | -- | -- | 100 | 6.3 | 4 | 57 |
| | do | 10-29-64 | 3.2 | 13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 90 2/ | -- | -- | 52 |
| 1273.8 | Susquetonscut Brook at Lebanon | 9-24-63 | .27 | 3 | -- | .28 | .07 | 13 | 3.0 | 5.8 | 1.9 | 31 | 28 | 8.2 | -- | -- | 72 | 45 | 20 | -- | -- | 119 | 6.7 | -- | 46 |
| | do | 4- 9-64 | 40 | 415 | -- | .03 | .00 | 8.4 | 1.2 | 4.3 | 1.8 | 10 | 17 | 7.3 | -- | -- | 53 | 26 | 18 | -- | -- | 88 | 7.0 | -- | 39 |
| | do | 9-22-64 | .095 | 1 | 13 | .69 | -- | -- | -- | -- | -- | -- | 10 | -- | -- | 8.0 | -- | -- | -- | -- | -- | 215 | 6.1 | 8 | 58 |
| | do | 10-30-64 | 1.1 | 11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 130 2/ | -- | -- | 53 |
| 1273.9 | Susquetonscut Brook at Franklin | 9-24-63 | 1.4 | 6 | -- | .21 | .00 | 14 | 1.9 | 7.5 | 4.7 | 33 | 14 | 16 | -- | -- | 89 | 43 | 16 | -- | -- | 151 | 6.5 | -- | 48 |
| | do | 4- 9-64 | 84 | 367 | -- | .08 | .00 | 8.9 | 1.4 | 4.7 | 1.8 | 12 | 20 | 8.9 | -- | -- | 63 | 28 | 18 | -- | -- | 98 | 6.1 | -- | 45 |
| | do | 9-22-64 | .15 | 1 | 16 | .21 | -- | -- | -- | -- | -- | -- | 13 | -- | -- | .8 | -- | -- | -- | -- | -- | 124 | 6.6 | 4 | 56 |
| | do | 10-30-64 | 2.2 | 10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 145 2/ | -- | -- | 53 |
| 1274 | Susquetonscut Brook at Yantic | 9-24-63 | 1.73 | 6 | -- | .11 | .04 | 9.9 | 1.7 | 4.6 | 3.6 | 30 | 14 | 6.2 | -- | -- | 91 | 32 | 7 | -- | -- | 115 | 6.6 | -- | 50 |
| | do | 4- 9-64 | 119 | 429 | -- | .07 | .03 | 8.2 | 1.1 | 4.4 | 1.9 | 11 | 17 | 8.0 | -- | -- | 55 | 25 | 16 | -- | -- | 86 | 6.2 | -- | 45 |
| | do | 9-22-64 | .75 | 3 | 13 | .16 | -- | -- | -- | -- | -- | -- | 12 | -- | -- | 3.1 | -- | -- | -- | -- | -- | 131 | 6.7 | 3 | 57 |
| | do | 10-30-64 | 3.3 | 12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 143 2/ | -- | -- | 54 |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards (recommended upper limit): | | | | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | | | | | | | | |
| 1275 | Yantic River at Yantic | 10- 5-54 | 87 | 54 | 9.0 | 0.36 | 0.00 | 4.9 | 0.9 | 4.0 | 1.7 | 16 | 7.5 | 4.3 | 0.1 | 1.4 | 55 | 16 | 3 | -- | -- | 64 | 7.4 | 33 | -- |
| | do | 4-27-55 | 245 | 151 | 5.1 | .04 | .01 | 4.6 | 1.8 | 2.9 | 1.1 | 11 | 6.5 | 3.5 | .0 | 1.0 | 38 | 16 | 7 | -- | -- | 54 | 6.8 | 30 | -- |
| | do | 10- 1-57 | 6.3 | 4 | 5.7 | .04 | .02 | 8.4 | 1.1 | 3.9 | 2.3 | 20 | 9.0 | 7.6 | .0 | 1.4 | 53 | 26 | 9 | -- | -- | 84 | 6.6 | 4 | -- |
| | do | 11- 4-57 | 54 | 33 | 7.8 | .07 | .00 | 9.8 | 1.8 | 4.5 | 2.3 | 13 | 21 | 6.3 | .1 | .8 | 78 | 32 | 22 | -- | -- | 103 | 6.1 | 17 | 55 |
| | do | 12-10-57 | 485 | 299 | 7.8 | .20 | .04 | 9.3 | 1.5 | 3.6 | 1.8 | 8 | 24 | 5.2 | .0 | 2.8 | 65 | 29 | 23 | -- | -- | 91 | 5.6 | 13 | 40 |
| | do | 1- 7-58 | 115 | 71 | 8.0 | .20 | .00 | 6.4 | 1.3 | 3.1 | 1.0 | 7 | 14 | 5.3 | .1 | 1.2 | 51 | 22 | 16 | -- | -- | 69 | 6.3 | 10 | 35 |
| | do | 2-10-58 | 202 | 125 | 7.1 | .14 | .01 | 5.4 | .9 | 3.1 | 1.3 | 7 | 12 | 5.6 | .0 | 1.6 | 44 | 17 | 12 | -- | -- | 63 | 5.8 | 7 | 34 |
| | do | 3-11-58 | 255 | 157 | 6.0 | .07 | .01 | 5.4 | 1.6 | 2.6 | .9 | 7 | 11 | 4.7 | .1 | 1.3 | 38 | 20 | 15 | -- | -- | 51 | 6.4 | 7 | 42 |
| | do | 4-10-58 | 335 | 207 | 6.4 | .07 | .00 | 4.4 | 1.2 | 2.7 | .7 | 6 | 12 | 3.8 | .1 | .9 | 36 | 16 | 11 | -- | -- | 48 | 6.4 | 10 | 48 |
| | do | 5-12-58 | 281 | 173 | 4.3 | .14 | .00 | 4.3 | 1.1 | 2.7 | 1.0 | 8 | 9.0 | 3.5 | .1 | .4 | 37 | 15 | 9 | -- | -- | 48 | 6.8 | 22 | 60 |
| | do | 6-10-58 | 40 | 25 | 6.1 | .22 | .00 | 5.2 | 1.2 | 3.2 | 1.3 | 14 | 7.8 | 4.5 | .1 | 1.3 | 44 | 18 | 7 | -- | -- | 59 | 6.1 | 17 | 63 |
| | do | 7- 9-58 | 146 | 90 | 6.7 | .30 | .01 | 4.8 | .8 | 2.8 | 1.1 | 11 | 7.5 | 4.0 | .0 | 1.0 | 46 | 16 | 7 | -- | -- | 53 | 6.2 | 30 | 74 |
| | do | 8-12-58 | 22 | 14 | 6.1 | .29 | .01 | 6.6 | .9 | 3.4 | 1.3 | 18 | 7.5 | 5.0 | .1 | 1.2 | 48 | 20 | 5 | -- | -- | 67 | 6.9 | 7 | 73 |
| | do | 9-11-58 | 99 | 61 | 8.0 | .31 | .00 | 6.0 | 1.3 | 3.5 | 1.7 | 17 | 7.5 | 5.7 | .2 | .2 | 49 | 21 | 7 | -- | -- | 65 | 6.2 | 20 | 61 |
| | do | 11-24-63 | 8.3 | 5 | -- | .19 | .04 | 9.9 | 2.1 | 5.1 | 2.5 | 20 | 18 | 8.2 | -- | 1.5 | 75 | 33 | 17 | -- | -- | 101 | 6.3 | -- | 50 |
| | do | 4- 9-64 | 671 | 414 | -- | .07 | .00 | 6.3 | 1.3 | 3.6 | 1.3 | 8 | 17 | 6.0 | -- | -- | 58 | 21 | 14 | -- | -- | 73 | 5.9 | -- | 45 |
| 1275.3 | Yantic River at Norwichtown | 9-26-63 | 8.7 | 5 | -- | .20 | -- | 9.8 | 1.6 | 5.8 | 2.7 | 23 | 12 | 10 | -- | 1.9 | 67 | 31 | 12 | -- | -- | 106 | 6.4 | -- | 54 |
| | do | 4- 9-64 | 730 | 414 | -- | .11 | .01 | 5.9 | 1.1 | 3.8 | 1.2 | 8 | 13 | 6.5 | -- | -- | 55 | 19 | 12 | -- | -- | 67 | 6.9 | -- | 45 |
| | do | 10-30-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 110 2/ | -- | -- | 56 |
| 1275.4 | Fairview Reservoir near Norwichtown 3/ | 6-25-65 | -- | -- | 1.0 | .09 | .02 | 4.7 | 1.3 | 4.5 | 1.2 | 8 | 11 | 7.2 | .1 | .3 | 41 | 17 | 10 | -- | 0.3 | 68 | 6.5 | 2 | -- |
| 1275.5 | Yantic River at Norwich | 9-26-63 4/ | -- | -- | -- | .30 | .10 | 108 | 320 | 2,740 | 121 | 60 | 668 | 4,900 | -- | -- | 9,490 | 1,590 | 1,540 | -- | -- | 14,700 | 6.8 | -- | 62 |
| | do | 9-26-63 5/ | -- | -- | -- | .27 | .07 | 281 | 896 | 7,560 | 267 | 153 | 1,810 | 13,200 | -- | -- | 25,000 | 4,390 | 4,260 | -- | -- | 35,300 | 7.0 | -- | 65 |
| | do | 4- 9-64 4/ | -- | -- | -- | .07 | .01 | 6.2 | .8 | 4.5 | 1.5 | 6 | 15 | 7.0 | -- | -- | 43 | 19 | 14 | -- | -- | 75 | 5.8 | -- | 46 |
| 1275.55 | Yantic River at Norwich | 9-26-63 4/ | -- | -- | -- | .40 | .07 | 135 | 430 | 3,280 | 135 | 74 | 785 | 6,070 | -- | -- | 11,600 | 2,110 | 2,050 | -- | -- | 17,700 | 6.5 | -- | 62 |
| | do | 9-26-63 5/ | -- | -- | -- | .22 | .05 | 312 | 977 | 8,350 | 302 | 130 | 2,020 | 14,700 | -- | -- | 28,000 | 4,800 | 4,690 | -- | -- | 38,500 | 6.9 | -- | 65 |
| | do | 4- 9-64 4/ | -- | -- | -- | .08 | .01 | 7.0 | 2.1 | 4.2 | 1.3 | 12 | 13 | 8.1 | -- | -- | 55 | 26 | 16 | -- | -- | 83 | 6.1 | -- | 45 |
| | do | 10-30-64 4/ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 22,000 2/ | -- | -- | 58 |
| | do | 10-30-64 5/ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 40,000 2/ | -- | -- | 58 |
| 1276.8 | Trading Cove Brook at Montville Center | 4-10-64 | 22 | 233 | -- | .04 | .00 | 4.3 | .4 | 3.4 | .7 | 5 | 12 | 4.8 | -- | -- | 31 | 12 | 8 | -- | -- | 52 | 5.9 | -- | 44 |
| | do | 10-28-64 | .29 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 109 2/ | -- | -- | 55 |
| | do | 4-16-65 | 26 | 276 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7 | -- | -- | -- | -- |
| 1277 | Trading Cove Brook near Thomasville | 9-25-63 | 1.4 | 9 | -- | .20 | .04 | 9.6 | 1.9 | 5.2 | 1.9 | 24 | 11 | 6.6 | -- | 2.4 | 61 | 32 | 13 | -- | -- | 95 | 6.4 | -- | 49 |
| | do | 4-10-64 | 36 | 230 | -- | .05 | .01 | 5.4 | .8 | 3.8 | .8 | 8 | 12 | 5.3 | -- | -- | 56 | 17 | 10 | -- | -- | 63 | 6.1 | -- | 45 |
| | do | 9-22-64 | .06 | 4 | 11 | .19 | -- | -- | -- | -- | -- | -- | 9.6 | -- | -- | 3.2 | -- | -- | -- | -- | -- | 90 | 6.8 | 4 | 59 |
| | do | 4-16-65 | 40 | 254 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5 | -- | -- | -- | -- |
| 1277.01 | Thames River at Fort Shantock State Park | 9-25-63 | -- | -- | -- | .08 | .15 | 252 | 810 | 6,780 | 268 | 101 | 1,560 | 12,200 | -- | -- | 23,600 | 3,960 | 3,880 | -- | -- | 32,900 | 6.9 | -- | 64 |
| 1277.02 | Shantock Brook at Fort Shantock State Park | 9-25-63 | -- | -- | -- | .03 | .08 | 13 | 5.0 | 8.8 | 1.6 | 31 | 14 | 24 | -- | -- | 81 | 53 | 28 | -- | -- | 137 | 6.7 | -- | 52 |
| | do | 4- 9-64 | -- | -- | -- | .02 | .03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 41 |
| | do | 10-28-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 152 2/ | -- | -- | 51 |
| 1277.03 | Shantock Pond at Fort Shantock State Park | 9-25-63 | -- | -- | -- | .03 | .05 | 11 | 2.6 | 8.4 | 1.8 | 18 | 23 | 14 | -- | -- | 66 | 38 | 23 | -- | -- | 125 | 6.4 | -- | 62 |
| 1277.2 | Indiantown Brook near Shewville | 9-24-63 | 6.1 | 52 | -- | .21 | .00 | 5.0 | 1.1 | 3.4 | 1.2 | 14 | 10 | 4.2 | -- | -- | 46 | 17 | 6 | -- | -- | 55 | 6.1 | -- | 54 |
| | do | 4- 9-64 | 54 | 459 | -- | .03 | .00 | 5.0 | 1.6 | 3.3 | .9 | 8 | 13 | 4.4 | -- | -- | 52 | 19 | 12 | -- | -- | 63 | 5.9 | -- | 46 |
| | do | 7-15-64 | -- | -- | -- | .27 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | .2 | -- | 27 | -- | -- | -- | 84 | 7.3 | 20 | 78 |
| | do | 7-24-64 | 1.72 | 15 | -- | .33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .2 | -- | -- | -- | -- | -- | 87 | 6.4 | 20 | 67 |
| | do | 7-30-64 | 1.0 | 8 | -- | .27 | -- | -- | -- | -- | -- | -- | 9.6 | -- | -- | .2 | 65 | -- | -- | -- | -- | 95 | 7.1 | 8 | 75 |
| | do | 9-22-64 | 4.15 | 35 | 3.4 | .34 | -- | -- | -- | -- | -- | -- | 8.0 | -- | -- | .7 | -- | -- | -- | -- | -- | 59 | 6.2 | 20 | 60 |
| | do | 10- 8-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 86 2/ | -- | -- | 50 |
| 1277.21 | Cedar Swamp near Shewville | 7-24-64 | -- | -- | -- | 1.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .3 | -- | -- | -- | -- | -- | 106 | 5.4 | 58 | -- |
| | do | 7-30-64 | -- | -- | -- | .46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .5 | -- | -- | -- | -- | -- | 166 | 6.4 | 188 | -- |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards | | | (recommended upper limit): | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | | | | | | | | |
| 1277.22 | East Tributary to Cedar Swamp near Shewville | 7-24-64 | 0.015 | -- | -- | 2.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.2 | -- | -- | -- | -- | -- | 72 | 6.4 | 29 | -- |
| | do | 7-30-64 | -- | -- | -- | 1.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .4 | -- | -- | -- | -- | -- | 79 | 5.9 | 23 | 73 |
| 1277.23 | South Tributary to Cedar Swamp near Shewville | 7-24-64 | .056 | -- | -- | .45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .2 | -- | -- | -- | -- | -- | 83 | 6.6 | 18 | -- |
| | do | 7-30-64 | -- | -- | -- | .49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 59 2/ | -- | -- | 69 |
| 1277.235 | Indiantown Brook near Shewville | 7-24-64 | -- | -- | -- | .48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .3 | -- | -- | -- | -- | -- | 103 | 6.7 | 34 | -- |
| | do | 7-30-64 | -- | -- | -- | .57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .3 | -- | -- | -- | -- | -- | 144 | 6.7 | 41 | -- |
| 1277.24 | Indiantown Brook at Shewville | 7-24-64 | 2.94 | -- | -- | .52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .4 | -- | -- | -- | -- | -- | 100 | 6.5 | 29 | -- |
| | do | 7-30-64 | -- | -- | -- | .36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .4 | -- | -- | -- | -- | -- | 119 | 6.6 | 32 | 75 |
| | do | 10- 8-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 95 2/ | -- | -- | 49 |
| 1277.25 | Shewville Brook at Shewville | 9-24-63 | 7.8 | 37 | -- | .24 | 0.00 | 5.6 | 2.0 | 3.4 | 1.1 | 11 | 12 | 4.6 | -- | -- | -- | 22 | 13 | -- | -- | 68 | 6.0 | -- | 54 |
| | do | 4- 9-64 | 108 | 513 | -- | .09 | .01 | 4.3 | 1.1 | 3.2 | .7 | 7 | 15 | 4.4 | -- | -- | 42 | 15 | 10 | -- | -- | 58 | 6.4 | -- | 46 |
| | do | 7-15-64 | 1.45 | 7 | -- | .44 | -- | 6.8 | -- | -- | -- | -- | -- | -- | -- | .4 | -- | 24 | -- | -- | -- | 72 | 6.2 | 110 | 68 |
| | do | 7-24-64 | 2.3 | 11 | -- | .57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | .3 | -- | -- | -- | -- | -- | 114 | 6.7 | 39 | -- |
| | do | 7-30-64 | 2.50 | 12 | -- | .36 | -- | -- | -- | -- | -- | -- | 11 | -- | -- | .6 | 81 | -- | -- | -- | -- | 99 | 6.5 | 29 | 73 |
| | do | 9-22-64 | -- | -- | 3.6 | .32 | -- | -- | -- | -- | -- | -- | 9.2 | -- | -- | 1.1 | -- | -- | -- | -- | -- | 63 | 6.1 | 18 | 59 |
| | do | 10- 8-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 95 2/ | -- | -- | 48 |
| 1277.27 | Hewitt Brook near Poquetanuck | 10- 8-64 | -- | -- | -- | .20 | -- | 21 | 6.2 | 7.3 | 6.8 | -- | 59 | -- | -- | -- | -- | 78 | -- | -- | -- | 225 | 6.1 | -- | 44 |
| 1277.3 | Crowley Brook at Poquetanuck | 9-24-63 | .27 | 7 | -- | .12 | .03 | 16 | 5.4 | 6.6 | 2.3 | 36 | 24 | 14 | -- | 6.7 | 109 | 62 | 33 | -- | -- | 154 | 6.5 | -- | 50 |
| | do | 4- 9-64 | 16 | 397 | -- | .06 | .03 | 8.9 | 1.9 | 5.0 | 1.8 | 12 | 22 | 9.2 | -- | -- | 79 | 30 | 20 | -- | -- | 106 | 6.1 | -- | 45 |
| | do | 7-15-64 | .26 | 6 | -- | .39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.0 | -- | -- | -- | -- | -- | 172 | 6.7 | 7 | 68 |
| | do | 7-24-64 | .49 | 12 | -- | .29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.4 | -- | -- | -- | -- | -- | 190 | 6.8 | 12 | -- |
| | do | 7-30-64 | .30 | 7 | -- | .32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.4 | -- | -- | -- | -- | -- | 175 | 7.0 | 13 | 67 |
| | do | 9-22-64 | .13 | 3 | 15 | .15 | -- | -- | -- | -- | -- | -- | 19 | -- | -- | 7.8 | -- | -- | -- | -- | -- | 188 | 6.6 | 3 | 57 |
| | do | 10- 8-64 | .206 | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 180 2/ | -- | -- | 45 |
| 1277.31 | Halls Brook at Poquetanuck | 9-24-63 | -- | -- | -- | .16 | .08 | 6.6 | 1.9 | 4.8 | 1.0 | 16 | 14 | 7.6 | -- | -- | 59 | 25 | 12 | -- | -- | 86 | 6.2 | -- | 54 |
| | do | 4- 9-64 | -- | -- | -- | .10 | .01 | 4.9 | 1.2 | 3.4 | 1.0 | 7 | 12 | 5.2 | -- | -- | 46 | 17 | 12 | -- | -- | 61 | 6.4 | -- | 46 |
| | do | 10- 8-64 | 4.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 115 2/ | -- | -- | 48 |
| 1277.32 | Poquetanuck Cove at Happyland | 9-24-63 4/ | -- | -- | -- | .16 | .05 | 254 | 820 | 6,820 | 263 | 97 | 1,590 | 12,400 | -- | -- | 23,500 | 4,010 | 3,930 | -- | -- | 33,300 | 6.8 | -- | 60 |
| | do | 9-24-63 5/ | -- | -- | -- | .31 | .05 | 293 | 923 | 7,870 | 305 | 103 | 1,910 | 13,700 | -- | -- | 26,100 | 4,530 | 4,450 | -- | -- | 36,400 | 6.8 | -- | 62 |
| 1277.34 | Billings Avery Brook near Ledyard | 9-24-63 | -- | -- | -- | .21 | .05 | 9.3 | 2.4 | 4.8 | 1.2 | 20 | 11 | 7.6 | -- | 5.5 | 63 | 33 | 17 | -- | -- | 97 | 6.3 | -- | 49 |
| | do | 4- 9-64 | -- | -- | -- | .14 | .00 | 3.2 | .7 | 3.4 | .6 | 4 | 9.6 | 4.0 | -- | -- | 38 | 11 | 8 | -- | -- | 49 | 5.4 | -- | 44 |
| | do | 9-22-64 | -- | -- | 15 | .30 | -- | -- | -- | -- | -- | -- | 7.6 | -- | -- | 1.2 | -- | -- | -- | -- | -- | 74 | 6.3 | 12 | 57 |
| | do | 10-12-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 97 2/ | -- | -- | 48 |
| 1277.35 | Billings Avery Brook near Poquetanuck | 9-24-63 | -- | -- | -- | .32 | .07 | 52 | 150 | 1,200 | 50 | 32 | 414 | 2,210 | -- | -- | 4,220 | 747 | 721 | -- | -- | 7,160 | 6.5 | -- | 56 |
| | do | 4- 9-64 | 17 | 341 | -- | .12 | .00 | 3.6 | 1.0 | 3.6 | .6 | 3 | 11 | 5.9 | -- | -- | 50 | 13 | 10 | -- | -- | 60 | 5.2 | -- | 44 |
| 1277.36 | Thames River at Massapeag | 9-25-63 | -- | -- | -- | .11 | .11 | 239 | 740 | 6,180 | 243 | 95 | 1,490 | 11,500 | -- | -- | 21,900 | 3,640 | 3,560 | -- | -- | 31,000 | 6.9 | -- | 66 |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards (recommended upper limit): | | | | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | | | | | | | | |
| 1277.4 | Stony Brook near Uncasville | 9-24-63 | 1.18 | 9 | -- | 0.06 | 0.08 | 9.6 | 2.2 | 7.4 | 1.5 | 23 | 11 | 12 | -- | 5.8 | 72 | 33 | 14 | -- | -- | 108 | 6.6 | -- | 50 |
| | do | 4- 9-64 | 60 | 464 | -- | .02 | .03 | 5.5 | 1.1 | 22 | 1.3 | 9 | 33 | 19 | -- | -- | 108 | 18 | 10 | -- | -- | 162 | 6.4 | -- | 43 |
| | do | 9-22-64 | 4.1 | 32 | 9.8 | .19 | -- | -- | -- | -- | -- | -- | 12 | -- | -- | 1.2 | -- | -- | -- | -- | -- | 114 | 6.6 | 3 | 68 |
| | do | 10-28-64 | 4.1 | 32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 132 2/ | -- | -- | 55 |
| | do | 4-16-65 | 40 | 309 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5 | -- | -- | -- | -- |
| 1277.45 | Oxoboxo Brook near Oakdale | 9-25-63 | 2.75 | 40 | -- | .10 | .04 | 3.8 | .4 | 4.4 | .9 | 6 | 9.8 | 3.0 | -- | -- | 37 | 11 | 6 | -- | -- | 55 | 6.1 | -- | 58 |
| | do | 9-10-64 | 23 | 342 | -- | .19 | .00 | 4.0 | .5 | 3.1 | .6 | 4 | 10 | 4.0 | -- | -- | 29 | 12 | 9 | -- | -- | 51 | 5.9 | -- | 50 |
| | do | 9-22-64 | 4.65 | 68 | 3.5 | .31 | -- | 4.8 | 1.8 | -- | -- | -- | 12 | 5.6 | -- | .4 | 50 | 20 | -- | -- | -- | 68 | 5.8 | 7 | 65 |
| | do | 10-28-64 | 3.2 | 47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 52 2/ | -- | -- | 54 |
| 1277.5 | Oxoboxo Brook at Montville | 7- 9-63 | 4.0 | 22 | -- | -- | -- | 6.4 | 1.0 | 10 | 1.9 | 14 | 18 | 8.6 | -- | 4.0 | 71 | 20 | 9 | -- | 40 | 107 | 6.7 | -- | -- |
| | do | 9-25-63 | 6.85 | 37 | -- | .72 | .14 | 26 | .3 | 14 | 1.9 | 28 | 54 | 6.8 | -- | 9.7 | 168 | 66 | 43 | -- | -- | 232 | 5.5 | -- | 58 |
| | do | 4-10-64 | 67 | 365 | -- | .16 | .00 | 5.0 | .4 | 6.6 | .7 | 8 | 12 | 8.0 | -- | -- | 44 | 14 | 8 | -- | -- | 75 | 5.9 | -- | 48 |
| | do | 9-22-64 | 6.4 | 35 | 6.6 | .71 | -- | -- | -- | -- | -- | -- | 19 | -- | -- | .6 | -- | -- | -- | -- | -- | 152 | 6.4 | -- | 65 |
| | do | 10-28-64 | 7.7 | 42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 90 2/ | -- | -- | 56 |
| 1277.501 | Oxoboxo Brook near Uncasville | 9-24-63 | -- | -- | -- | .69 | .05 | 16 | 2.9 | 8.7 | 1.3 | 22 | 40 | 10 | -- | -- | 102 | 52 | 34 | -- | -- | 154 | 6.2 | -- | 62 |
| 1277.502 | Oxoboxo Brook at Uncasville | 9-25-63 | -- | -- | -- | .47 | .19 | 16 | 1.5 | 9.7 | 1.4 | 26 | 33 | 9.8 | -- | -- | 104 | 46 | 25 | -- | -- | 164 | 6.3 | -- | 56 |
| | do | 4-10-64 | -- | -- | -- | .14 | .03 | 6.1 | 1.2 | 6.1 | 1.0 | 1 | 25 | 8.8 | -- | -- | 69 | 20 | 19 | -- | -- | 104 | 4.6 | -- | 48 |
| | do | 10-28-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 110 2/ | -- | -- | 52 |
| 1277.51 | Thames River at Gales Ferry | 9-26-63 | -- | -- | -- | .13 | .08 | 281 | 940 | 7,480 | 278 | 107 | 1,740 | 13,400 | -- | -- | 25,600 | 4,570 | 4,480 | -- | -- | 35,700 | 6.9 | -- | 62 |
| 1277.52 | Deep Hollow Brook at Four Corners | 7-16-64 | -- | -- | -- | -- | -- | 5.2 | 3.4 | 4.0 | 1.5 | 23 | 7.2 | 6.0 | -- | .9 | 54 | 27 | 8 | -- | -- | 81 | 6.5 | -- | 74 |
| | do | 7-30-64 | -- | -- | -- | -- | -- | 4.0 | 1.9 | 3.2 | 1.5 | 22 | 4.8 | 3.2 | -- | 1.2 | 62 | 18 | 0 | -- | -- | 63 | 6.4 | -- | 83 |
| | do | 10-27-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 66 2/ | -- | -- | 57 |
| 1277.53 | Tributary of Deep Hollow Brook at Four Corners | 4-10-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.6 | -- | -- | -- | -- | -- | -- | -- | -- | 55 | 5.1 | -- | 48 |
| | do | 7-16-64 | -- | -- | -- | -- | -- | 5.6 | -- | -- | -- | -- | 17 | -- | -- | -- | -- | 24 | -- | -- | -- | 78 | 5.7 | -- | -- |
| | do | 7-30-64 | -- | -- | -- | -- | -- | 3.9 | 1.1 | 5.1 | 2.9 | 12 | 10 | 5.0 | -- | 2.1 | 64 | 14 | 4 | -- | -- | 67 | 7.1 | -- | 67 |
| 1277.535 | Tributary to tributary of Deep Hollow Brook at Four Corners | 4-10-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 424 | -- | -- | -- | -- | -- | -- | -- | -- | 3,820 | 4.6 | -- | -- |
| | do | 7-16-64 | -- | -- | -- | -- | -- | 224 | -- | -- | -- | -- | 703 | -- | -- | -- | -- | 1,040 | -- | -- | -- | 4,880 | 6.3 | -- | -- |
| | do | 7-30-64 | -- | -- | -- | -- | -- | 261 | 153 | 800 | 56 | 8 | 1,060 | 1,450 | -- | 2.0 | 4,110 | 1,280 | 1,270 | -- | -- | 5,880 | 5.7 | -- | 71 |
| 1277.54 | Tributary to Deep Hollow Brook at Four Corners | 4-10-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | 770 | 3.9 | -- | 52 |
| | do | 7-16-64 | -- | -- | -- | -- | -- | 222 | -- | -- | -- | -- | 687 | -- | -- | -- | -- | 1,040 | -- | -- | -- | 4,730 | 5.2 | -- | -- |
| | do | 7-30-64 | -- | -- | -- | -- | -- | 188 | 80 | 450 | 39 | 10 | 440 | 944 | -- | 1.5 | 2,410 | 800 | -- | -- | -- | 3,700 | 5.8 | -- | -- |
| 1277.55 | Deep Hollow Brook at Four Corners | 7-16-64 | -- | -- | -- | -- | -- | 5.2 | -- | -- | -- | -- | 8.9 | -- | -- | -- | -- | 15 | -- | -- | -- | 70 | 6.0 | -- | -- |
| 1277.56 | Deep Hollow Brook near Four Corners | 7-16-64 | -- | -- | -- | -- | -- | 4.2 | -- | -- | -- | -- | 8.5 | -- | -- | -- | -- | 14 | -- | -- | -- | 76 | 6.1 | -- | -- |
| | do | 7-30-64 | -- | -- | -- | -- | -- | 4.8 | 2.4 | 4.2 | .9 | 8 | 7.2 | 75 | -- | 2.5 | 64 | 22 | 16 | -- | -- | 68 | 5.7 | -- | 71 |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards | | | (recommended upper limits): | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | | | | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | |
| 1277.57 | Hunts Brook near Four Corners | 7-16-64 | -- | -- | -- | -- | -- | 4.9 | 2.9 | 4.5 | 0.7 | 8 | 11 | 9.0 | -- | 1.0 | 56 | 24 | 18 | -- | -- | 87 | 6.0 | -- | 76 |
| | do | 10-27-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 98 2/ | -- | -- | 52 |
| 1277.59 | Hunts Brook at Quaker Hill | 9- 2-64 | -- | -- | -- | 1.1 | -- | 5.5 | 2.6 | 2.6 | -- | 11 | -- | 11 | -- | -- | 33 | 24 | 15 | -- | -- | 97 | 6.1 | -- | 66 |
| | do | 9- 2-64 | -- | -- | -- | .56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 99 | 6.4 | -- | 70 |
| | do | 10-27-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 2/ | -- | -- | 58 |
| 1277.6 | Hunts Brook at Quaker Hill | 9-25-63 | 0.70 | 3 | -- | .09 | 0.05 | 5.4 | 1.2 | 6.0 | 1.2 | 14 | 9.2 | 10 | -- | -- | 49 | 19 | 7 | -- | -- | 86 | 6.2 | -- | 56 |
| | do | 4- 9-64 | 100 | 481 | -- | .05 | .03 | 4.4 | 1.5 | 4.5 | .6 | 4 | 14 | 8.3 | -- | -- | 53 | 17 | 14 | -- | -- | 73 | 5.7 | -- | 43 |
| | do | 7-16-64 | 4.0 | 20 | -- | -- | -- | 5.8 | 1.8 | 6.0 | 1.1 | 11 | 13 | 8.8 | -- | 1.1 | 60 | 22 | 13 | -- | -- | 100 | 7.0 | -- | 76 |
| | do | 9-22-64 | .80 | 4 | 5.4 | .16 | -- | 20 | 4.9 | -- | -- | -- | 62 | -- | -- | .5 | 138 | 70 | -- | -- | -- | 217 | 5.6 | 2 | 61 |
| | do | 10-27-64 | 3.4 | 17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 128 2/ | -- | -- | 53 |
| 1277.68 | Thames River at Groton | 9-24-63 | -- | -- | -- | .06 | .05 | 328 | 1,000 | 9,020 | 336 | 123 | 1,970 | 15,800 | -- | -- | 30,300 | 4,940 | 4,830 | -- | -- | 37,300 | 7.1 | -- | 62 |
| 1277.69 | Unnamed Pond near Jordan | 10-29-64 | -- | -- | -- | .27 | -- | 48 | 13 | 14 | -- | -- | -- | -- | -- | -- | -- | 175 | -- | -- | -- | 432 | 5.4 | -- | 52 |
| 1277.7 | Jordan Brook at Waterford | 9-25-63 | .40 | 6 | -- | .29 | .03 | 9.6 | 1.6 | 8.6 | 1.6 | 24 | 15 | 12 | -- | -- | 89 | 31 | 11 | -- | -- | 116 | 6.7 | -- | 55 |
| | do | 4-10-64 | 67 | -- | -- | .17 | .00 | 5.4 | .9 | 8.1 | 1.2 | 5 | 13 | 12 | -- | -- | 59 | 17 | 13 | -- | -- | 90 | 5.9 | -- | 48 |
| | do | 9-22-64 | .97 | 15 | 5.4 | .69 | -- | -- | -- | -- | -- | -- | 23 | 20 | -- | 5.1 | -- | -- | -- | -- | -- | 164 | 5.8 | 3 | 63 |
| | do | 10-27-64 | 3.5 | 55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 155 2/ | -- | -- | 52 |
| 1277.8 | Latimer Brook at Chesterfield | 9-25-63 | 2.6 | 15 | -- | .11 | .08 | 5.3 | 1.1 | 4.0 | .9 | 15 | 9.0 | 4.8 | -- | -- | 46 | 18 | 5 | -- | -- | 62 | 6.4 | -- | 54 |
| | do | 4-10-64 | 43 | 256 | -- | .08 | .00 | 4.3 | .6 | 3.2 | .6 | 8 | 9.6 | 3.2 | -- | -- | 31 | 13 | 7 | -- | -- | 51 | 6.1 | -- | 48 |
| | do | 9-22-64 | 1.45 | 9 | -- | .16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 62 |
| | do | 10-26-64 | 1.9 | 11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 78 2/ | -- | -- | 53 |
| 1277.9 | Latimer Brook at East Lyme | 11-28-62 | 25 | 77 | 7.9 | .08 | .03 | 3.6 | 2.2 | 4.1 | .8 | 9 | 9.9 | 5.7 | 0.1 | .4 | 43 | 18 | 11 | 0.0 | 0.7 | 55 | 6.3 | 9 | 37 |
| | do | 4-17-63 | -- | -- | 6.5 | .09 | .05 | 3.4 | 1.3 | 3.9 | .7 | 10 | 7.3 | 5.0 | .1 | .6 | 35 | 14 | 6 | .0 | .4 | 52 | 6.5 | 5 | 50 |
| | do | 9-25-63 | 4.4 | 14 | -- | .08 | .03 | 5.6 | 1.2 | 4.7 | 1.2 | 8 | 18 | 5.4 | -- | -- | 66 | 19 | 13 | -- | -- | 88 | 5.8 | -- | 51 |
| | do | 4-10-64 | 66 | 203 | -- | .09 | .00 | 3.7 | 1.2 | 3.7 | .6 | 10 | 11 | 4.0 | -- | -- | 35 | 14 | 6 | -- | -- | 53 | 6.0 | -- | 46 |
| | do | 9-22-64 | 3.65 | 11 | 7.7 | .17 | -- | -- | -- | -- | -- | 14 | 22 | -- | -- | 1.0 | -- | -- | -- | -- | -- | 106 | 6.4 | 5 | 60 |
| | do | 10-26-64 | 3.4 | 10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 86 2/ | -- | -- | 49 |
| | do | 4-16-65 | 160 | 492 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7 | -- | -- | -- | -- |
| 1277.915 | Niantic River near East Lyme | 9-25-63 | -- | -- | -- | .08 | .01 | 297 | 830 | 7,940 | 281 | 104 | 1,870 | 13,800 | -- | -- | 27,100 | 4,160 | 4,070 | -- | -- | 37,000 | 6.9 | -- | 65 |
| 1277.916 | Niantic River at Niantic | 9-25-63 | -- | -- | -- | .04 | .01 | 350 | 1,100 | 9,270 | 352 | 128 | 2,090 | 16,800 | -- | -- | 32,300 | 5,400 | 5,300 | -- | -- | 44,000 | 7.2 | -- | 61 |
| 1277.95 | Potoquanset River at Niantic | 9-25-63 | 1.3 | 9 | -- | .19 | .01 | 8.0 | 2.8 | 16 | 2.3 | 20 | 15 | 26 | -- | -- | 101 | 32 | 15 | -- | -- | 168 | 6.1 | -- | 56 |
| | do | 4-10-64 | 53 | 378 | -- | .14 | .00 | 4.0 | 1.0 | 5.0 | 1.0 | 7 | 10 | 6.6 | -- | -- | 37 | 14 | 9 | -- | -- | 62 | 6.5 | -- | 49 |
| | do | 9-22-64 | 1.5 | 7 | 10 | .25 | -- | 6.6 | 2.0 | 13 | -- | 20 | 11 | 20 | -- | 1.4 | -- | 25 | 8 | -- | -- | 132 | 6.6 | 2 | 63 |
| | do | 10-26-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 109 2/ | -- | -- | 52 |
| 1277.96 | Bride Lake near Niantic | 9-25-63 | -- | -- | -- | .11 | .05 | 7.5 | 3.8 | 8.4 | 1.2 | 17 | 17 | 16 | -- | -- | 70 | 34 | 20 | -- | -- | 103 | 6.5 | -- | 64 |
| 1277.97 | Bride Lake Brook near Niantic | 4-10-64 | -- | -- | -- | .16 | .00 | 5.4 | 1.8 | 7.8 | 1.2 | 8 | 13 | 13 | -- | -- | 56 | 21 | 15 | -- | -- | 94 | 6.8 | -- | 49 |
| | do | 10-26-64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 160 2/ | -- | -- | 54 |
| 1277.98 | Long Island Sound near Niantic | 9-25-63 | -- | -- | -- | .15 | .07 | 347 | 1,130 | 9,670 | 357 | 124 | 2,250 | 16,900 | -- | -- | 32,100 | 5,510 | 5,420 | -- | -- | 43,200 | 7.2 | -- | 62 |

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs--Continued

| Station no. | Stream, lake, or reservoir, and location | Date of collection | Instantaneous discharge (cfs) | Percent of average discharge (%) | Silica ($SiO_2$) | Iron (Fe) | Manganese (Mn) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Fluoride (F) | Nitrate ($NO_3$) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium magnesium | Hardness as $CaCO_3$: Noncarbonate | Detergents as MBAS | Turbidity | Specific conductance (micromhos at 25°C) | pH | Color | Water temperature (°F) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Parts per million | | | | | | | | | | | | | | | | | | | | |
| U.S. Public Health Service drinking-water standards (recommended upper limit): | | | | | -- | 0.3 | 0.05 | -- | -- | -- | -- | -- | 250 | 250 | 1.3 1/ | 45 | 500 | -- | -- | 0.5 | 5 | -- | -- | 15 | -- |
| | | | | | CONNECTICUT--Continued | | | | | | | | | | | | | | | | | | | | |
| 1278 | Fourmile River near East Lyme | 9-25-63 | 0.33 | 4 | -- | 0.16 | 0.03 | 7.7 | 1.2 | 5.5 | 1.5 | 21 | 5.8 | 5.4 | -- | 6.1 | 72 | 24 | 7 | -- | -- | 84 | 6.8 | -- | 51 |
| | do | 4-10-64 | 27 | 331 | -- | .09 | .00 | 3.7 | .7 | 3.4 | .5 | 6 | 12 | 3.2 | -- | -- | 44 | 12 | 7 | -- | -- | 52 | 6.0 | -- | 46 |
| | do | 9-22-64 | .15 | 2 | 14 | .32 | -- | -- | -- | -- | -- | -- | 21 | -- | -- | 3.3 | -- | -- | -- | -- | -- | 124 | 5.8 | 14 | 65 |
| | do | 10-26-64 | 1.3 | 16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 122 2/ | -- | -- | 47 |
| | do | 4-16-65 | 35 | 429 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7 | -- | -- | -- | -- |

1/ Recommended lower limit - 0.8 ppm; optimum - 1.10 ppm.

2/ Field specific conductance.

3/ Public water supply.

4/ Sample collected 1 foot below water surface.

5/ Sample collected 1 foot off bottom of streambed.

6/ Estimated.

Table 9.--Analyses of suspended-sediment and turbidity at miscellaneous stream-gaging stations

| Index no. (Pl. A) | Source and location | Date of collection | Instantaneous flow (cfs) | Percent of time flow is equaled or exceeded | Sediment concentration (ppm) | Measured load (tons/day) 1/ | Turbidity (as ppm $SiO_2$) |
|---|---|---|---|---|---|---|---|
| 1183 | Pendleton Hill Brook near Clarks Falls | 4-16-65 | 45 | 1 | 2 | 0.2 | 20 |
| 1184 | Shunock River near North Stonington | 4-16-65 | 78 | 9 | 22 | 4.6 | 13 |
| 1187 | Whitford Brook at Old Mystic | 4-16-65 | 62 | 8 | 3 | .5 | 0 |
| 1276.8 | Trading Cove Brook at Montville Center | 4-16-65 | 24 | 7 | 8 | .5 | 5 |
| | do | 4-16-65 | 26 | 6 | 8 | .6 | 7 |
| 1277 | Trading Cove Brook near Thamesville | 4-16-65 | 40 | 7 | 10 | 1.1 | 5 |
| 1277.4 | Stony Brook near Uncasville | 4-16-65 | 40 | 5 | 18 | 1.9 | 5 |
| 1277.9 | Latimer Brook at East Lyme | 4-16-65 | 160 | 1 | 12 | 5.1 | 7 |
| 1278 | Fourmile River near East Lyme | 4-16-65 | 35 | 2 | 2 | .2 | 7 |

1/ The tons of suspended sediment that would have been carried past each station during one day if the discharge and concentrations shown had remained the same throughout the day.

Table 10.--Chemical analyses of precipitation samples

| Date of collection | Amount of precipitation (inches) | Parts per million | | | | | | | | | | Specific conductance (micromhos at 25°C) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium magnesium | Hardness as $CaCO_3$: Non-carbonate | | |
| Site 1P - Collection site on Indiantown Road, 3.1 miles northeast of Ledyard Center, Connecticut | | | | | | | | | | | | | |
| 8-18-64 & 8-19-64 | 0.50 | 0.8 | 0.1 | 0.2 | 0.2 | 0 | 6.8 | 0.0 | 10 | 2 | 2 | 73 | 3.85 |
| 9-11-64 & 9-12-64 | .99 | 1.2 | .0 | .4 | .1 | 0 | 6.4 | .0 | 13 | 3 | 3 | 61 | 3.98 |
| 9-29-64 & 9-30-64 | 1.20 | .6 | .2 | .1 | .1 | 0 | .4 | .0 | 8 | 2 | 2 | 13 | 4.7 |
| 10- 2-64 & 10- 3-64 | .60 | .6 | .1 | .3 | 1.1 | 2 | 1.0 | .0 | 7 | 2 | 0 | 12 | 5.1 |
| 10-17-64 & 10-18-64 | .76 | .8 | .1 | 1.0 | .8 | 1 | 1.8 | .3 | 7 | 2 | 2 | 17 | 4.7 |
| 11-19-64 | .56 | 1.4 | .4 | 1.0 | .6 | 0 | 2.2 | .6 | 13 | 5 | 5 | 24 | 4.48 |
| 11-25-64 & 11-26-64 | 1.85 | .6 | .1 | 1.1 | .6 | 1 | .2 | .6 | 8 | 2 | 1 | 14 | 5.0 |
| Site 2P - Collection site at New London Water Department pumping station, 2.1 miles southeast of Chesterfield, Connecticut (U.S. Weather Bureau index no. 3989) | | | | | | | | | | | | | |
| 8-12-64 & 8-13-64 | .30 | 4.0 | 1.5 | 1.9 | .4 | 6 | 7.2 | .2 | -- | 16 | 11 | 35 | 6.3 |
| 8-18-64 & 8-19-64 | .28 | 9.0 | 3.2 | -- | -- | 7 | 17 | .0 | -- | 36 | 30 | 69 | 6.2 |
| 8-26-64 & 8-27-64 | .35 | 7.8 | 3.2 | .6 | .3 | 6 | 16 | .0 | -- | 24 | 18 | 61 | 6.2 |
| 10-17-64 & 10-18-64 | 1.15 | 2.8 | 1.8 | .8 | .3 | 5 | 4.0 | .0 | 11 | 14 | 10 | 21 | 6.2 |
| 10-20-64 & 10-21-64 | 1.13 | 1.7 | 1.2 | .4 | .3 | 3 | 3.0 | .0 | 8 | 9 | 6 | 13 | 6.2 |
| 10-25-64 & 10-26-64 | .82 | 5.6 | 3.0 | 1.2 | .3 | 4 | 13 | .0 | 30 | 26 | 24 | 52 | 6.0 |
| 12-20-64 & 12-21-64 | .32 | 3.8 | 1.5 | .7 | .4 | 4 | 7.8 | .0 | -- | 16 | 12 | 27 | 5.9 |
| Site 3P - Collection site at University of Connecticut Marine Biological Laboratory, Noank, Connecticut | | | | | | | | | | | | | |
| 7- 8-63 | .19 | -- | -- | -- | -- | 0 | -- | .0 | -- | -- | -- | 127 | 4.6 |
| 7-20-63 | .89 | 1.9 | .2 | .7 | 3.4 | 0 | 11 | .2 | 20 | 6 | -- | 66 | 4.1 |
| 7-30-63 | 1.35 | .8 | .0 | 1.7 | -- | -- | 5.2 | 1.0 | 13 | 2 | -- | 35 | 4.5 |
| 8- 1-63 & 8- 2-63 | .34 | 1.3 | .1 | -- | -- | 0 | -- | .3 | -- | 3 | -- | 43 | 4.4 |
| 8-14-63 | .45 | 1.9 | .2 | -- | -- | 0 | -- | 5.0 | -- | 4 | -- | 44 | 4.5 |
| 8-18-63 | .36 | 1.3 | .3 | -- | -- | 0 | -- | 1.6 | -- | 2 | -- | 51 | 4.3 |
| 8-20-63 | .90 | 16 | -- | 1.2 | 1.7 | 34 | 8.6 | 8.0 | 75 | 38 | -- | 82 | 7.2 |
| 9-13-63 | .22 | -- | -- | -- | -- | 3 | -- | .0 | -- | -- | -- | 95 | 5.8 |

Table 10.--Chemical analyses of precipitation samples--Continued

| Date of collection | Amount of precipitation (inches) | Chemical analyses in parts per million: Parts per million: Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate ($HCO_3$) | Sulfate ($SO_4$) | Chloride (Cl) | Dissolved solids (residue on evaporation at 180°C) | Hardness as $CaCO_3$: Calcium, magnesium | Hardness as $CaCO_3$: Noncarbonate | Specific conductance (micromhos at 25°C) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 3P - Collection site at University of Connecticut Marine Biological Laboratory, Noank, Connecticut--Continued | | | | | | | | | | | | | |
| 9-29-63 | 1.4 | 1.6 | 0.0 | 3.3 | 1.8 | 0 | 6.7 | 5.0 | 17 | 4 | -- | 52 | 4.4 |
| 11- 8-63 | 2 | 1.6 | .0 | 6.4 | .3 | 0 | 4.0 | 12 | 24 | 4 | 4 | 71 | 3.80 |
| 11-23-63 | .65 | .8 | .5 | 6.4 | .2 | 0 | 3.0 | 12 | 22 | 4 | 4 | 50 | 4.05 |
| 6-30-64 | .50 | 1.6 | .1 | 2.2 | .4 | 0 | 7.4 | 2.0 | 20 | 4 | 4 | 64 | 4.00 |
| 8-18-64 & 8-19-64 | .63 | .7 | .1 | 2.1 | .2 | 0 | 6.2 | 1.5 | -- | 2 | 2 | 56 | 4.10 |
| 8-21-64 & 8-22-64 | .34 | .8 | .1 | 1.9 | .2 | 0 | 9.6 | 1.7 | 20 | 2 | 2 | 86 | 3.85 |
| 8-31-64 & 9- 1-64 | .18 | 2.2 | .6 | 3.5 | .4 | 5 | 4.4 | 3.4 | -- | 8 | 4 | 35 | 6.1 |
| 9- 9-64 & 9-10-64 | .09 | 2.5 | .5 | 5.3 | .7 | 0 | 21 | 4.4 | 46 | 8 | 8 | 206 | 3.48 |
| 9-14-64 | .50 | .8 | .1 | 2.6 | .3 | 2 | 2.4 | 1.9 | 11 | 2 | 1 | 26 | 4.9 |
| 9-22-64 & 9-23-64 | .33 | 7.6 | 2.6 | 3.2 | .5 | 5 | 15 | 4.0 | -- | 30 | 26 | 73 | 6.2 |
| 9-29-64 & 9-30-64 | 1.64 | .8 | .1 | 3.0 | .3 | 1 | 3.2 | 2.0 | 13 | 2 | 2 | 28 | 4.8 |
| 10- 2-64 & 10- 3-64 | .58 | 1.1 | .3 | 4.1 | .5 | 1 | 4.2 | 3.0 | 18 | 4 | 2 | 34 | 4.8 |
| 10-17-64 & 10-18-64 | 1.09 | .9 | .2 | 4.7 | .5 | 2 | 2.2 | 5.0 | 22 | 3 | 2 | 32 | 5.0 |
| 11-16-64 & 11-17-64 | .2 | 6.0 | 1.8 | 18 | 3.2 | 0 | 29 | 7.0 | -- | 22 | 22 | 240 | 3.79 |
| 11-19-64 & 11-20-64 | .10 | 1.2 | 1.0 | 9.0 | .6 | 0 | 6.2 | 7.0 | 35 | 7 | 7 | 95 | 4.21 |
| 11-25-64 & 11-26-64 | 1.36 | 1.6 | 2.6 | 20 | 1.2 | 4 | 7.0 | 32 | -- | 14 | 12 | 132 | 6.1 |