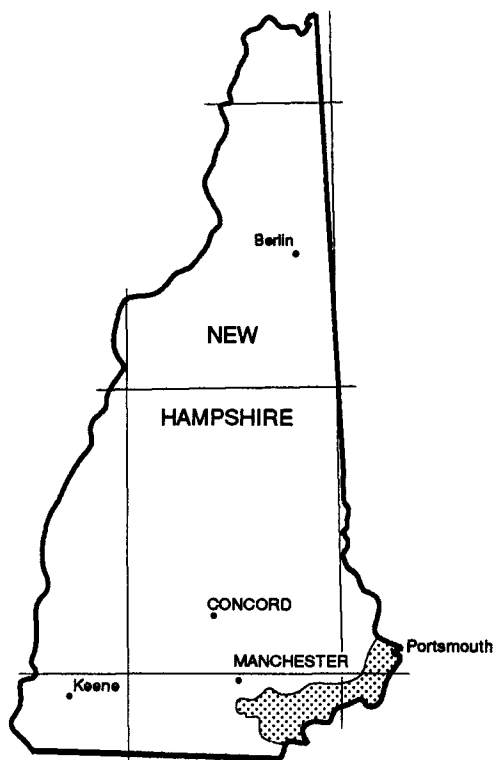


Geohydrologic, Ground-Water Quality, and Streamflow Data for the Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins, Southeastern New Hampshire

U.S. GEOLOGICAL SURVEY

Open-File Report 89-390



Prepared in cooperation with
STATE OF NEW HAMPSHIRE
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER RESOURCES DIVISION

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THE STRATIFIED-DRIFT AQUIFERS IN THE LOWER MERRIMACK AND COASTAL
RIVER BASINS, SOUTHEASTERN NEW HAMPSHIRE**

By Sarah M. Flanagan and Peter J. Stekl

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**Bow, New Hampshire
1990**

U. S. DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

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CONVERSION FACTORS AND ABBREVIATIONS

For the convenience of readers who may prefer to use metric (International System) units rather than the inch-pound units used in this report, values may be converted by using the following factors:

Multiply inch-pound unit	By	To obtain metric unit
	<u>Length</u>	
inch (in.)	25.4	millimeter (mm)
	2.54	centimeter (cm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	<u>Area</u>	
square mile (mi ²)	2.590	square kilometer (km ²)
	<u>Flow</u>	
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)

Chemical concentrations and water temperature are given in metric units. Chemical concentration is given in mg/L (milligrams per liter) or µg/L (micrograms per liter). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water; 1,000 µg/L is equivalent to 1 mg/L.

Temperature

Water temperature, given in degrees Celsius (°C), can be converted to degrees Fahrenheit (°F) by the following equation: °F = 1.8 (°C) + 32

Sea Level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

Geohydrologic, Ground-Water Quality, and Streamflow Data for the Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins, Southeastern New Hampshire

By Sarah M. Flanagan and Peter J. Stekl

ABSTRACT

This report presents geohydrologic, ground-water quality, and streamflow data collected for a study of stratified-drift aquifers in the lower Merrimack and coastal river basins in southeastern New Hampshire. The study was conducted from October 1985-October 1988 in cooperation with the State of New Hampshire Department of Environmental Services, Water Resources Division.

The data include information on 1,232 inventory sites, 66 exploration boreholes drilled for this study, and grain-size analyses of 61 split-spoon sediment samples. Water-level data were collected from 33 observation wells drilled during the course of the project. Water-quality analyses collected during this study are presented for 24 observation and 6 public-supply wells. Water-quality properties measured in the field include temperature, specific conductance, dissolved oxygen concentration, and pH. Samples from the 30 wells were analyzed in the laboratory for nutrients, common anions and cations, and selected volatile organic compounds. Streamflow data are presented for 16 sites.

INTRODUCTION

Stratified-drift aquifers located within the lower Merrimack and coastal river basins in southeastern New Hampshire are an important source of water for the region. A quantitative investigation of this resource was initiated in 1985 and completed in 1988 by the U.S. Geological Survey in cooperation with the State of New Hampshire Department of Environmental Services (NHDES), Water Resources Division.

The objectives of the study are to determine the areal extent and geohydrologic characteristics, including characterizing background water quality and assessing potential yields of the stratified-drift aquifers.

Purpose and Scope

This report presents selected geohydrologic data collected during this study. The data include well and borehole records, exploration-borehole logs, grain-size distributions, ground-water levels, ground-water quality, and streamflow.

A companion interpretive report presenting the conclusions drawn from the study was completed in 1989 and is titled "Hydrogeology and Water Quality of Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins, Southeastern New Hampshire" (Stekl and Flanagan, Geological Survey, written commun., 1989).

Description of the study area

The study area is located in 25 towns in southeastern New Hampshire (fig. 1 and fig. 2); it extends east of the Merrimack River from Londonderry to New Castle Island. It lies between Massachusetts on the south and Maine on the northeast, and is bounded on the east by the Atlantic Ocean and on the west by the Londonderry-Manchester town line. The northern boundary is the surface-water drainage divide between the lower Merrimack River and the Exeter, Lamprey, and Oyster Rivers. The Powwow River, Little River (located in Plaistow), Spicket River, and Beaver Brook are the major tributary streams to the lower Merrimack River. The Piscataqua, Winnicut, Taylor, and Little (located in North Hampton) Rivers are the major coastal rivers. The study area covers 327 mi² (square miles), of which approximately 79 mi² are underlain by stratified-drift aquifers, 67 mi² by marine deposits, and 181 mi² by till and (or) bedrock. Many towns with a municipal water supply rely in part, or entirely, on ground water for that supply.

The stratified-drift aquifers in the eastern and central parts of the study area are in the major river valleys. In the eastern part of the area, they are more widely scattered and discontinuous, and some of the aquifers are confined beneath deposits of silt and clay. A major source of data for delineating aquifer boundaries and the extent of the silt and clay deposits is 1:24,000-scale surficial geologic maps produced by the Cooperative Geologic Mapping Program (COGEOMAP), a program between the New Hampshire Department of Environmental Services, Office of the State Geologist and the Geologic Division of the Geological Survey. These surficial geologic maps include the Nashua North (Koteff, 1976), Kingston (Earl, 1983), Windham (Larson, 1984), Derry (Gephart, 1985), and Sandown (Gephart, 1987) quadrangles. In addition, preliminary surficial geologic (COGEOMAP) maps of the Haverhill, Massachusetts-N.H.; Manchester North; Manchester South; Kittery, Maine-N.H.; Portsmouth; Hampton; Exeter, N.H.-Mass.; Newmarket; and Salem Depot, N.H.-Mass. 7.5-minute quadrangles, were made available by the Office of N.H. State Geologist. The loca-

tions of the stratified-drift aquifers are delineated in the interpretive report.

Acknowledgments

The authors express their appreciation to town and state officials, Pease Air Force Base personnel, and many private citizens who granted permission to install and sample observation wells and conduct seismic investigations on their property. Thanks are also extended to the Office of State Geologist, NHDES, Water Resources Division, New Hampshire Department of Transportation, and to the private consultants who made their reports and drilling logs available for this investigation.

DATA-COLLECTION METHODS

Site Inventory

Well-completion reports were collected from owners of domestic wells, owners of public-supply wells, consultant reports, Office of State Geologist, and from the NHDES, Water Resources Division. Information from these reports include stratigraphic logs, well yields, and well construction data. Additional stratigraphic information was provided by the New Hampshire Department of Transportation.

Exploration-Borehole Drilling, Construction, and Development of Observation Wells

Sixty-six exploration boreholes were drilled to obtain information on sediment grain size, stratigraphy, depth to water table, depth to bedrock, and to obtain samples for water-quality analysis.

A hollow-stem auger, operated by USGS personnel, was used for drilling. Samples of the sediment above the water table were brought to the surface by rotation of the augers; below the water table, a split-spoon sampler was used to collect sediment samples.

Thirty eight of the exploration boreholes drilled were cased and screened with 2-in. (inch) diameter schedule-40 polyvinyl chloride (PVC) well pipe. Only threaded PVC pipe joints were used, to avoid possible contamination of water samples by the volatile organic compounds contained in PVC cement. Well screens were either 2 or 5 ft (feet) long with slot sizes ranging from 0.01 to 0.025 in.. The casing and screen were

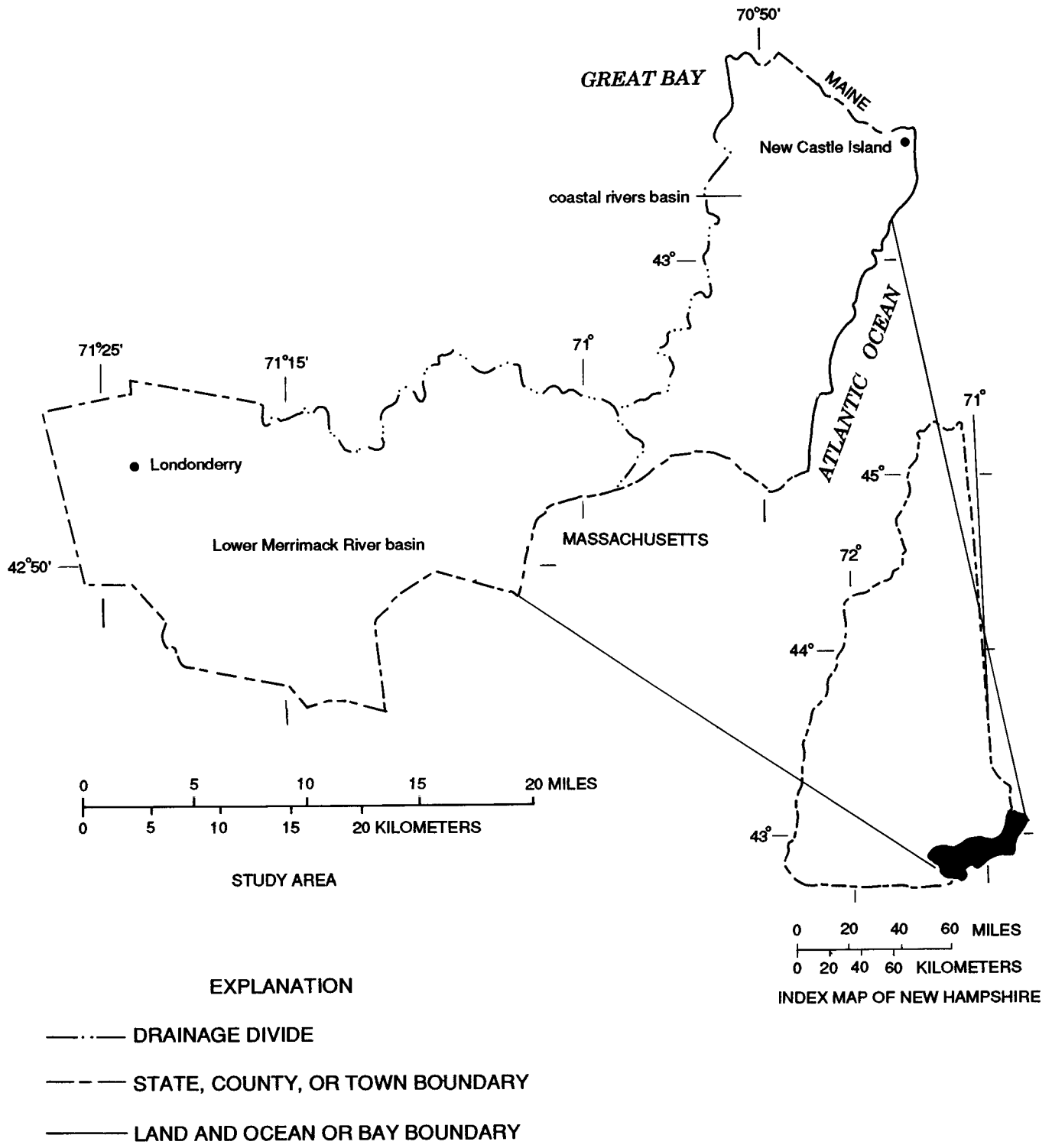


Figure 1.--Location of the lower Merrimack and coastal river basins in southeastern New Hampshire.

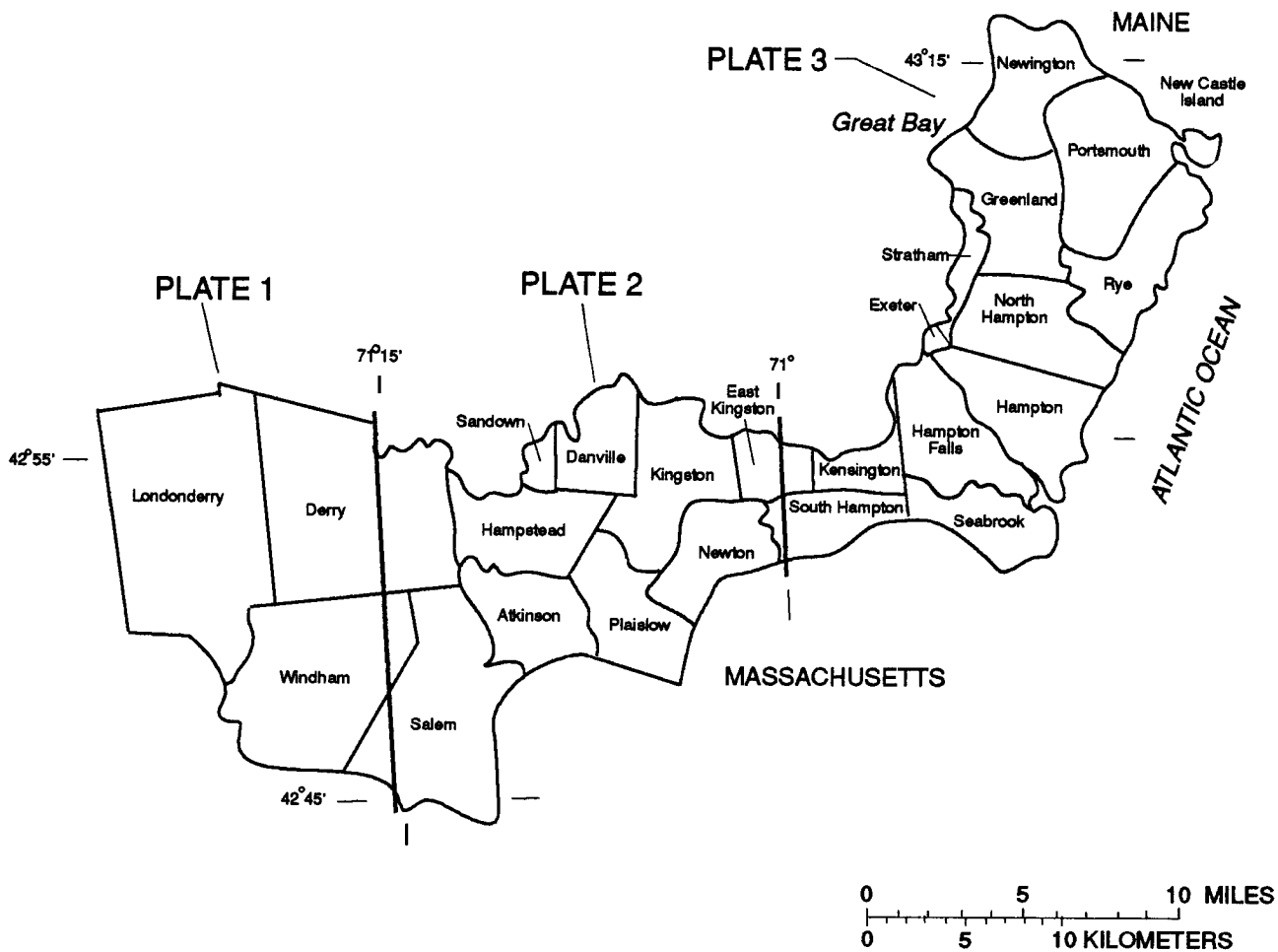


Figure 2.--Location of the towns on plates 1-3 in the lower Merrimack and coastal river basins in southeastern New Hampshire.

placed inside the hollow-stem auger, and the hole was allowed to collapse as the drill stem was withdrawn. A 1-ft layer of bentonite was placed just below the land surface to prevent surface runoff from contaminating the aquifer. Wells located in vulnerable areas were protected from damage or vandalism by a locked steel sleeve that was cemented over the exposed casing.

Three shallow wells, WPW-269, WPW-270, and WPW-271 (plate 1), were installed in Windham, N.H. using a solid-stem auger. These wells were cased with 1.25-in. diameter schedule-40 PVC pipe, and finished with 1-ft long screens having 0.025-in. slot openings.

All wells were developed by surging with compressed air. Water was removed from the well casing until specific conductance stabilized. Wells developed in this manner were allowed to stabilize for at least two weeks before water-quality samples were collected. Only developed wells free of fine-grained materials were sampled.

Grain-Size Analyses

Grain-size distribution was determined by the Particle Analysis Laboratory at the University of New Hampshire, Durham, for 61 sediment samples that were collected with a split-spoon sampler during drilling. The fraction of sand, gravel, and silt-sized particles was determined using wet-sieve analyses. The distribution of sand-sized particles was determined using a water-column settling tube.

Ground-Water Levels

Water levels at 27 observation wells were measured periodically with a steel tape accurate to +/- 0.01 ft or an electric tape accurate to +/- 0.05 ft. In addition, continuous water-level recorders operated in six observation wells for three months from October to December 1987.

Ground-Water Quality

Ground-water samples from 24 USGS observation wells and 6 public-supply wells were collected in March and August 1987 for analysis of common inorganic and organic constituents.

All water samples were analyzed by the Geological Survey Central Laboratories in Arvada, Colorado. Samples were collected and analyzed according to procedures described by Fishman and Friedman (1985). The sampling procedure varied with the source of the

water sampled. Untreated water was sampled from six public-supply wells: HEW-7, NSW-70, PXW-2, PXW-5, RYW-38, and SGW-1 (plate 3). These wells are pumped continuously so additional evacuation of water prior to sampling was unnecessary. When pumping observation wells, a minimum of three casing volumes were evacuated before the well was sampled. Temperature, specific conductance, dissolved oxygen concentration, and pH were monitored during pumping to ensure that formation water from the aquifer was being sampled.

Streamflow

Seepage runs were conducted on ten tributary streams of the Merrimack and Piscataqua Rivers in October 1986 and August 1987 to determine stream reach gains and losses. Stream discharge measurements, accurate to ten percent, were collected using USGS current meters according to procedures described by Rantz and others (1982a,b).

DATA PRESENTATION

Geohydrologic Data

The geohydrologic data presented in the following sections include site records, exploration-borehole logs, grain-size distributions, ground-water levels, ground-water quality, and streamflow data.

Site Inventory

Local numbers assigned to wells, test borings, and springs consist of a two-letter town designation (table 1), a supplemental letter designation ("A", borings for geohydrologic purposes with no casing set, "B", borings primarily for road and bridge construction purposes, "S" for springs, and "W" for all wells in which a casing was set), and a sequential number within each town. For example, the first well inventoried in Atkinson is designated ARW-1. Site inventory data are presented in table 2; locations for data-collection sites are shown on plates 1-3.

Stratigraphic Logs and Grain-Size Analyses

Stratigraphic logs of 334 wells and 272 exploration boreholes are summarized in table 3. Results of

Table 1.--Two-letter town codes used as prefixes for wells, borings, and springs

Town	Prefix	Town	Prefix
New Hampshire			
Atkinson	AR	Newington	NI
Danville	DC	Newton	NQ
Derry	DF	North Hampton	NS
East Kingston	EA	Plaistow	PW
Greenland	GT	Portsmouth	PX
Hampstead	HD	Rye	RY
Hampton	HE	Salem	SA
Hampton Falls	HF	Sandown	SD
Kensington	KF	Seabrook	SG
Kingston	KT	South Hampton	SL
Londonderry	LR	Stratham	SS
		Windham	WP
Massachusetts			
Merrimac	MR	Salisbury	SB

the grain-size analyses of 61 split-spoon sediment samples are presented in table 4.

Water Supply Engineering Bureau (written commun., 1988), are presented in table 7.

Ground-Water Levels

Ground-water levels measured at 27 observation wells are presented in table 5. Mean daily water levels determined from six continuous recorders are shown in figure 3. Locations of the wells are shown on plates 1-3.

Streamflow Data

Miscellaneous surface-water discharge measurements are presented in table 8. Locations of the measurement sites are shown on plates 1-3.

Ground-Water Quality

Chemical analysis of ground water from 24 observation and 6 public-supply wells are summarized in table 6; locations of sampling sites are shown on plates 1-3.

Drinking-water regulations and recommended limits, established by the U.S. Environmental Protection Agency (1979; 1986a) and the New Hampshire

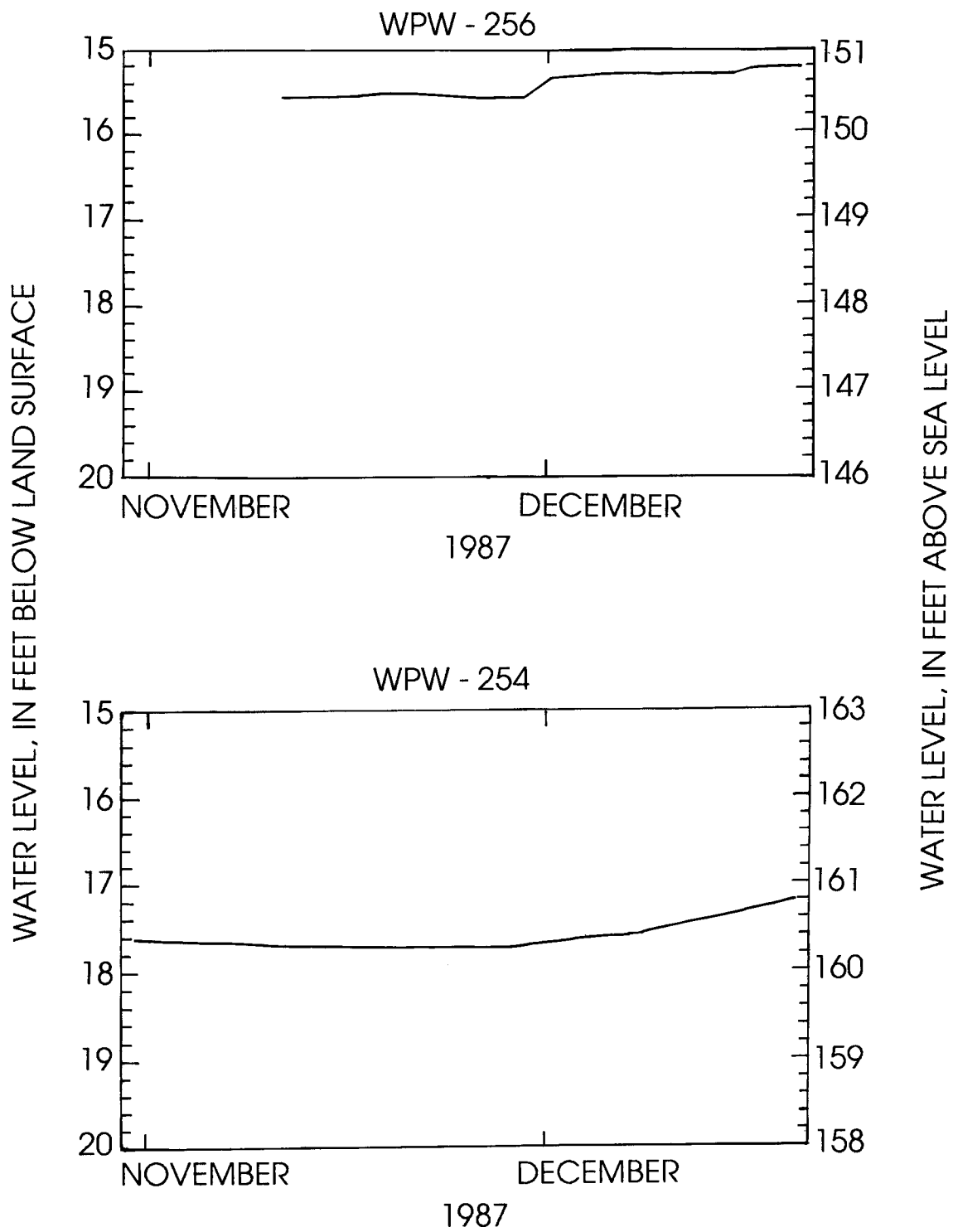


Figure 3.--Daily water levels at continuous recorder sites.

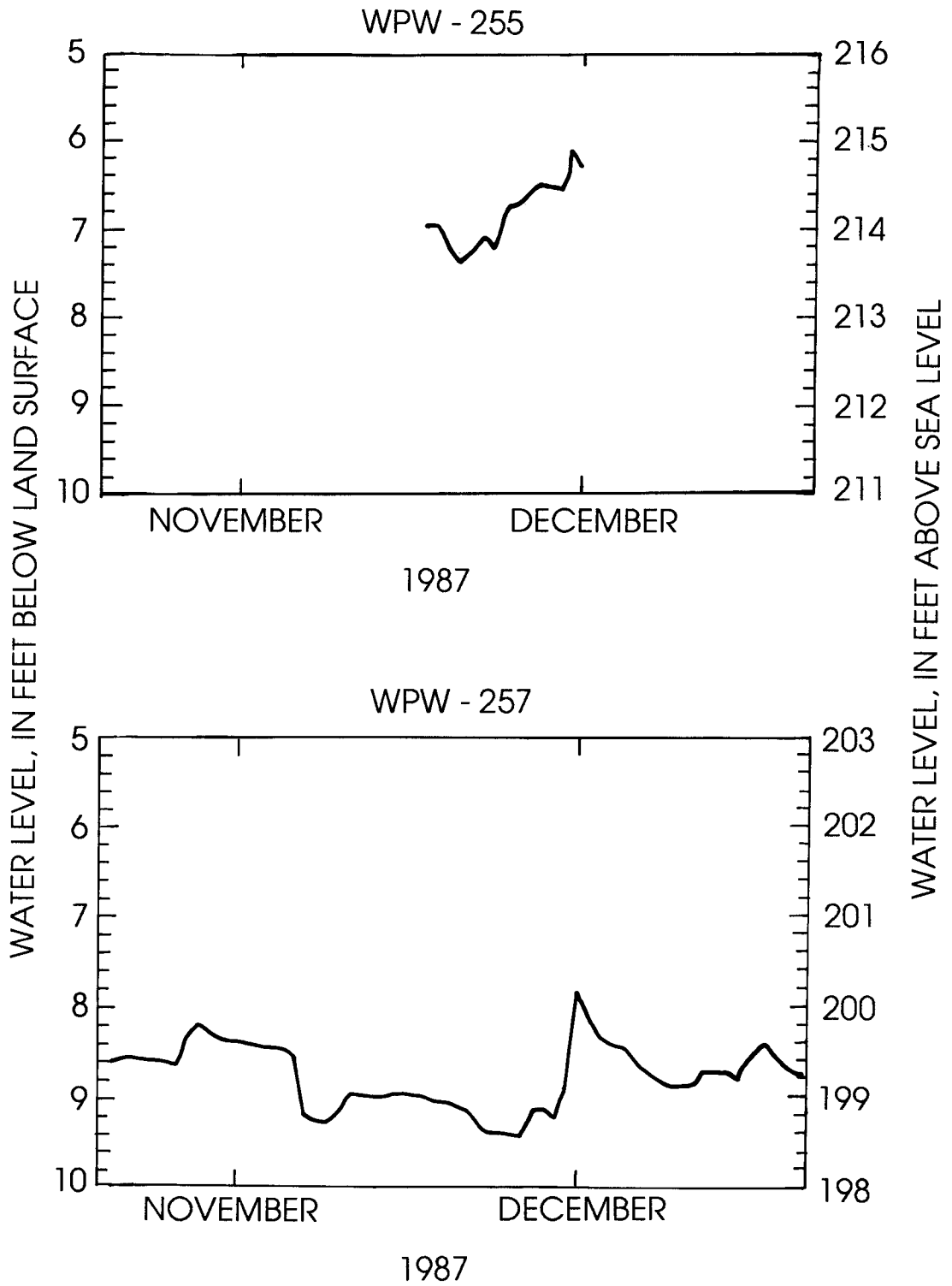


Figure 3.--Daily water levels at continuous recorder sites--Continued.

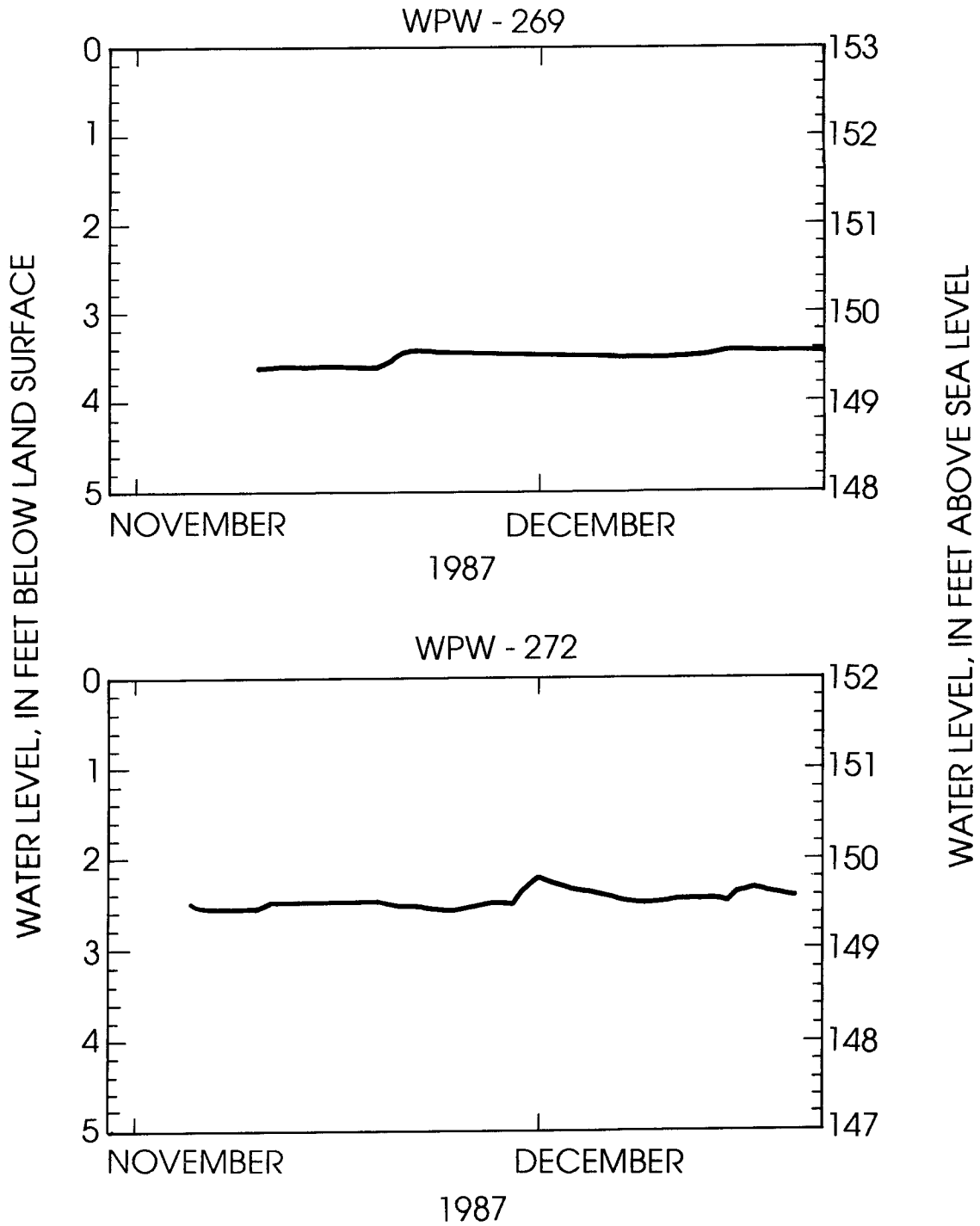


Figure 3.--Daily water levels at continuous recorder sites--Continued.

Table 2.--Description of selected wells, borings and springs

Local site number: First two characters indicate U.S. Geological Survey town code. Third character indicates-- A, auger hole; B, highway bridge boring; S, spring; W, well.

Latitude, Longitude: Accurate within 5 seconds.

Elevation: Elevations are expressed in feet above sea level; those in whole feet are interpolated from U.S. Geological Survey topographic maps, accurate to +/- 5-10 feet (half the contour interval), those in feet and tenths are instrumentally determined.

Owner or user: AFB, Air Force Base; DPW, Department of Public Works; NHWS&PCD, New Hampshire Department of Environmental Services, Water Supply and Pollution Control Division.

Depth of hole: Depth of hole in feet below land-surface datum.

Depth of well: Depth of well in feet below land-surface datum.

Depth to bedrock or refusal: Depth to bedrock or refusal in feet below land-surface datum.

Type of site:

BB, highway bridge boring

BrW, bedrock well

Dug, dug well

Dvn, driven well

GPW, gravel-packed well

Sp, spring

TH, test hole

TW, test well

Obs, observation well

Wsh, wash well

Water level: In feet below land-surface datum; negative sign indicates water level above land surface datum; mm-dd-yy, month-day-year.

Use: C, commercial; F, fire; H, domestic; I, irrigation; PS, public supply; U, unused.

Remarks:

B, reported in Bradley and Petersen, 1962.

CA, chemical analysis summarized in table 6.

GPM, gallons per minute.

GS, grain size data reported in table 4.

H, mean daily ground-water levels shown in figure 2.

K, reported in Weigle and Kranes, 1966.

USGS, exploration well or test hole drilled by the U.S. Geological Survey for this investigation.

W, periodic water-levels recorded in table 5.

Table 2.--Description of selected wells,
[--, no data]

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
ROCKINGHAM COUNTY									
Atkinson									
ARW 1	425034	0710736	Pentico, George T.	--	140	--	16.3	36	--
ARW 5	425013	0710701	Atkinson, Town of	1986	85	35	25	2	35
ARW 22	425000	0711127	Rooney, George	--	150	--	19.9	--	--
ARW 27	425033	0710712	Ferrante	1984	110	--	280	6	20
ARW 47	425010	0711124	Stickney	1985	160	--	175	6	50
ARW 62	425019	0711112	Fretes	1985	160	--	165	6	25
ARW 65	425027	0710723	Grotenhuis	1985	120	--	400	6	32
ARW 71	425015	0711117	Jones	1986	150	--	270	6	25
ARW 83	424928	0711010	Lewis Builders, Inc.	--	290	--	--	--	--
ARW 84	424945	0711010	Lewis Builders, Inc.	--	280	--	--	--	--
ARW 85	424948	0711055	Lewis Builders, Inc.	--	255	--	--	--	--
ARW 86	424945	0711054	Lewis Builders, Inc.	--	255	--	--	--	--
ARW 87	424938	0710934	Lewis Builders, Inc.	--	325	--	--	--	--
ARW 88	424929	0710921	Lewis Builders, Inc.	--	330	--	--	--	--
ARW 89	424929	0710926	Lewis Builders, Inc.	--	330	--	--	--	--
ARW 90	424925	0710938	Lewis Builders, Inc.	--	305	--	--	--	--
Danville									
DCA 1	425516	0710710	Byron, Bill	1986	180	14	--	--	--
DCW 2	425535	0710721	Meuse	1958	175	--	101	--	18
DCW 3	425528	0710721	Crazier, Evelyn	1952	180	--	106	--	16
Derry									
DFA 1	425329	0711846	Derry, Town of	1986	240	30.5	--	--	--
DFA 2	425157	0711612	Derry, Town of	1986	320	28	--	--	--
DFA 3	425150	0711612	Derry, Town of	1986	310	18.5	--	--	--
DFA 4	425239	0711433	Derry, Town of	1973	255	21	--	--	--
DFA 5	425205	0711532	Derry, Town of	1973	260	23	--	--	--
DFA 6	425339	0711349	Derry, Town of	1973	220	20	--	--	--
DFA 10	425327	0711917	Derry, Town of	1973	285	31	--	--	--
DFA 12	425246	0711904	Derry, Town of	1973	235	18	--	--	--
DFA 13	425209	0711311	Derry, Town of	1973	200	21	--	--	--
DFA 14	425233	0711431	Derry, Town of	1973	250	23	--	--	--
DFB 1	425110	0711249	NH Dept. of Transportation	1975	195	16	--	--	16
DFB 2	425135	0711955	NH Dept. of Transportation	1960	238	47	--	--	--
DFB 3	425134	0711956	NH Dept. of Transportation	1960	235.9	38	--	--	38
DFW 1	425218	0711951	Derry, Town of	1936	230	--	16	42	39
DFW 2	425218	0711951	Derry, Town of	--	230	--	39	2.5	39
DFW 3	425203	0711935	Derry, Town of	--	280	--	34	2.5	--
DFW 8	425217	0711915	--	1930	300	--	11.3	24	12
DFW 9	425434	0712015	O'Brien, Ethel	--	380	--	9	30	11
DFW 12	425626	0712047	Simard, George	--	300	--	8	36	--
DFW 17	425337	0711942	Ross Corner Dairy	--	305	--	10.7	36	10
DFW 22	425118	0711938	Gamache, Romeo	--	320	--	10.8	72	16
DFW 34	425234	0711643	Nelson	1954	470	--	19	36	7
DFW 37	425134	0711607	Martin	--	330	--	13.5	54	16

borings, and springs--continued
available.]

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks	
		Depth (feet)	Date (mm-dd-yy)				
ROCKINGHAM COUNTY							
Atkinson							
ARW 1	Dug	14.2	10-22-56	U	--	B.	
ARW 5	Obs	0.5	09-09-86	U	--	CA; GS; USGS; W.	
ARW 22	Dug	17.7	07-23-62	U	--	K; Well reported dry once in 35 years.	
ARW 27	BrW	25	05-09-84	H	5		
ARW 47	BrW	18	01-15-85	H	25		
ARW 62	BrW	15	07-25-85	H	10		
ARW 65	BrW	--	--	H	0.5		
ARW 71	BrW	25	01-13-86	H	5		
ARW 83	BrW	--	--	PS	--	Combined maximum well yield for Wells ARW-83 through ARW-90 is 122 GPM. These 8 wells provide	
ARW 84	BrW	--	--	PS	--		
ARW 85	BrW	--	--	PS	--	water for 330 homes. Also known as the Walnut Ridge Community Wells.	
ARW 86	BrW	--	--	PS	--		
ARW 87	BrW	--	--	PS	--		
ARW 88	BrW	--	--	PS	--		
ARW 89	BrW	--	--	PS	--		
ARW 90	BrW	--	--	PS	--		
Danville							
DCA 1	TH	--	--	U	--		USGS.
DCW 2	BrW	83	- -58	H	15		
DCW 3	BrW	11	- -52	H	7		
Derry							
DFA 1	TH	11	07-22-86	U	--	USGS.	
DFA 2	TH	7	07-22-86	U	--	USGS.	
DFA 3	TH	12	07-22-86	U	--	USGS.	
DFA 4	TH	--	--	U	--		
DFA 5	TH	--	--	U	--		
DFA 6	TH	--	--	U	--		
DFA 10	TH	--	--	U	--		
DFA 12	TH	--	--	U	--		
DFA 13	TH	--	--	U	--		
DFA 14	TH	5.6	07- -73	U	--		
DFB 1	BB	--	--	U	--		
DFB 2	BB	--	--	U	--		
DFB 3	BB	--	--	U	--		
DFW 1	Dug	--	--	PS	--	K; Battery of 17 wells pumped in common. Not in use.	
DFW 2	GPW	--	--	PS	--		
DFW 3	Obs	--	--	U	100	K.	
DFW 8	Dug	6.76	11-20-58	U	--	K.	
DFW 9	Dug	3.71	06-28-62	H	--	K; Fails in very dry years.	
DFW 12	Dug	4.04	06-28-62	H	--	K.	
DFW 17	Dug	7.30	06-29-62	U	--	K; Springs on property.	
DFW 22	Dug	4.79	06-29-62	I	--	K; Fails in dry summers.	
DFW 34	BrW	4.89	07-02-62	H, I	--	K.	
DFW 37	Dug	8.06	07-03-62	U	--	K.	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Derry, continued									
DFW 45	425429	0711723	Davis, Josephine	--	315	--	27.3	24	--
DFW 46	425408	0711757	Rose, Charles	1940	300	--	7.4	30	--
DFW 58	425312	0711422	Brodie, R.	--	250	--	10.3	30	--
DFW 62	425328	0711338	Derry, Town of	1973	210	--	25	2.5	--
DFW 63	425219	0711958	Derry, Town of	1973	240	--	28	2.5	--
DFW 64	425228	0711854	Downing	1950	310	--	122	6	18
DFW 65	425102	0711330	Craig	1962	210	--	188	6	35
DFW 69	425103	0711406	Bailey	1984	240	--	500	6	56
DFW 70	425314	0711955	Derry, Town of	1965	275	--	53	2.5	53
DFW 71	425242	0711925	Derry, Town of	1965	275	38	35	2.5	38
DFW 72	425157	0711943	Derry, Town of	1965	250	--	46	2.5	46
DFW 73	425351	0712015	Derry, Town of	1965	305	--	29.5	2.5	--
DFW 74	425251	0711902	Derry, Town of	1965	235	--	26	2.5	--
DFW 78	425429	0711623	Harris	1984	380	--	245	6	12
DFW 79	425219	0711835	Southern N.H. Water Co.	--	320	--	--	--	--
DFW 93	425226	0711303	--	--	210	--	75	6	60
DFW 118	425346	0711632	Boone	1984	410	--	185	6	16
DFW 119	425342	0711631	Boone	1984	410	--	305	6	13
DFW 122	425344	0711633	Boone	1984	400	--	185	6	16
DFW 165	425401	0711636	Cove	1985	390	--	245	6	18
DFW 167	425133	0711610	Vallier	1985	320	--	250	6	40
DFW 188	425143	0711613	McLoin	1985	310	--	110	6	40
DFW 197	425228	0711303	Burdick	1985	210	--	85	6	60
DFW 207	425339	0711346	K. Construction	1985	210	--	145	6	6
DFW 211	425335	0711353	K. Construction	1985	220	--	125	6	20
DFW 235	425147	0711614	Melvin	1985	300	--	200	6	25
DFW 237	425218	0711342	Hillside Inc	1985	220	--	700	6	30
DFW 253	425438	0711722	Caris	1985	320	--	1200	6	8
DFW 254	425410	0711805	Morin	1985	290	--	200	6	11
DFW 277	425251	0711307	Fredette	1985	210	--	300	6	20
DFW 291	425209	0711336	Applevale	1985	220	--	160	6	10
DFW 292	425208	0711335	Applevale	1985	220	--	160	6	18
DFW 295	425207	0711334	Applevale	1985	240	--	220	6	21
DFW 369	425330	0711404	RK Construction	1986	240	--	305	6	6
DFW 384	425337	0711350	RK Construction	1985	220	--	125	6	15
DFW 400	425437	0711542	Boone	1986	360	--	475	6	10
DFW 410	425101	0711407	Simpson	1986	230	--	245	6	20
DFW 415	425053	0711708	Hall Homes	1986	300	--	142	6	11
DFW 424	425159	0711306	Salem, Town of	1987	210	79	27.6	2	79
East Kingston									
EAA 1	425420	0710103	Osgood, Belinda	1986	125	10	--	--	10
EAA 2	425435	0710102	Bean, Jim	1986	125	14	--	--	14
EAA 3	425507	0710141	Morrill, John	1986	130	14.5	--	--	14.5
EAB 1	425445	0710124	NH Dept. of Transportation	1937	125	27	--	--	27

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Derry, continued						
DFW 45	Dug	10.5	07-05-62	H	--	K; Reported never to be dry.
DFW 46	Dug	2.45	07-05-62	H	--	K; Used in summer.
DFW 58	Dug	7.23	07-06-62	H	--	K.
DFW 62	Obs	--	--	U	3	
DFW 63	Obs	--	--	U	60	
DFW 64	BrW	--	--	H	8	
DFW 65	BrW	--	--	H	10	
DFW 69	BrW	--	--	H	2	
DFW 70	Obs	3.5	- -65	U	--	
DFW 71	Obs	3.33	- -65	U	--	
DFW 72	Obs	23.1	- -65	U	--	
DFW 73	Obs	--	--	U	20	
DFW 74	Obs	--	--	U	40	High iron reported in water.
DFW 78	BrW	--	--	H	10	
DFW 79	BrW	--	--	PS	270	Three bedrock wells; Well depths range from 200-825 ft. Also known as the Maple Hills Community Wells.
DFW 93	BrW	4	07-18-84	H	--	
DFW 118	BrW	10	09-26-84	H	15	
DFW 119	BrW	10	09-29-84	H	3	
DFW 122	BrW	10	09-11-84	H	100	
DFW 165	BrW	20	02-16-85	PS	50	
DFW 167	BrW	20	03-27-85	H	15	
DFW 188	BrW	20	05-15-85	H	25	
DFW 197	BrW	15	06-19-85	H	175	
DFW 207	BrW	25	10-08-85	H	5	
DFW 211	BrW	20	10-11-85	H	6	
DFW 235	BrW	30	07-10-85	H	10	
DFW 237	BrW	--	--	H	3	
DFW 253	BrW	40	07-30-85	H	2	
DFW 254	BrW	5	10-20-85	H	15	
DFW 277	BrW	15	10-23-85	H	2.5	
DFW 291	BrW	--	--	H	--	
DFW 292	BrW	--	--	H	30	
DFW 295	BrW	--	--	H	30	
DFW 369	BrW	10	05-27-86	H	2	
DFW 384	BrW	19	10-13-85	H	5	
DFW 400	BrW	20	05-25-86	H	50	
DFW 410	BrW	20	07-23-86	H	10	
DFW 415	BrW	--	--	H	5	
DFW 424	Obs	1.15	07-23-87	U	--	CA; USGS; W.
East Kingston						
EAA 1	TH	2	08-04-86	U	--	USGS.
EAA 2	TH	4	08-04-86	U	--	USGS.
EAA 3	TH	--	--	U	--	USGS.
EAB 1	BB	--	--	U	--	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	
East Kingston, continued										
EAW	3	425544	0710126	Miron, Alcide	1947	155	--	86	6	50
EAW	4	425547	0710132	Montrose, Fred	1940	160	--	62	6	40
EAW	6	425432	0710054	Bean, M.G.& M.W.	1950	130	--	12.3	24	--
EAW	8	425529	0710057	Lee, Frank W.	1927	150	--	122	8	100
EAW	10	425346	0710112	Clark	1985	130	--	460	6	4
EAW	11	425508	0710145	Wilson	1985	130	--	230	6	15
EAW	22	425434	0710102	Bean	1984	130	--	345	6	20
EAW	23	425425	0710126	Hagen	1984	120	--	145	6	68
EAW	24	425531	0710110	West, Ernest	1958	200	--	139	6	24
EAW	25	425413	0710029	Evans, W.W.	1957	115	--	124	6	14
EAW	26	425449	0710142	Palm, Clarence	1956	120	--	118	6	38
Greenland										
GTA	1	430116	0704921	Coombs, Richard	1987	70	46.5	--	--	--
GTA	2	430036	0705047	Portsmouth DPW	1978	30	21	--	--	21
GTA	3	430115	0704928	Portsmouth DPW	1977	90	30	--	--	30
GTA	4	430119	0704937	Portsmouth DPW	1977	90	29	--	--	29
GTA	6	430052	0704948	Portsmouth DPW	1977	80	23	--	--	23
GTA	7	430143	0704947	Portsmouth DPW	1978	70	19	--	--	19
GTA	8	430150	0705018	Portsmouth DPW	1977	90	17	--	--	17
GTA	9	430110	0704913	Portsmouth DPW	1978	70	23	--	--	23
GTA	10	430158	0705130	Portsmouth DPW	1978	30	23	--	--	23
GTA	16	430117	0704923	Portsmouth DPW	1978	70	23	--	--	23
GTA	17	430143	0705137	Robertson	1978	30	49	--	--	49
GTA	18	430130	0705047	Portsmouth DPW	1978	50	37	--	--	37
GTA	19	430125	0705104	Portsmouth DPW	1978	30	27	--	--	27
GTA	20	430151	0705139	Portsmouth DPW	1978	50	30	--	--	30
GTA	21	430214	0704930	Portsmouth DPW	1978	40	35	--	--	35
GTA	22	430157	0704939	Portsmouth DPW	1977	40	76	--	--	76
GTA	23	430157	0705020	Portsmouth DPW	1977	70	30	--	--	30
GTA	24	430209	0704941	Portsmouth DPW	1977	60	74	--	--	74
GTA	25	430200	0704944	Portsmouth DPW	1977	50	89	--	--	89
GTA	26	430116	0704857	Portsmouth DPW	1978	80	35	--	--	35
GTA	31	430139	0705120	Portsmouth DPW	1978	20	41	--	--	41
GTA	32	430142	0705109	Portsmouth DPW	1978	40	22	--	--	22
GTA	33	430148	0705059	Portsmouth DPW	1978	30	43	--	--	43
GTA	34	430119	0704930	Portsmouth DPW	1977	80	34	--	--	34
GTA	35	430125	0705053	Portsmouth DPW	1978	40	48	--	--	48
GTS	1	430210	0705102	Caswell, Harold	--	30	5	--	--	--
GTS	2	430214	0705012	Cold Spring Farm	--	40	--	--	--	--
GTW	1	430150	0704946	Portsmouth DPW	1944	50	--	60	24	--
GTW	2	430140	0704951	Crothers, Robert	--	70	--	39.7	40	--
GTW	3	430339	0704907	Portsmouth Country Club	1910	40	--	10.5	60	--
GTW	4	430056	0704929	Yeaton, D. F.	--	90	--	25	36	--
GTW	6	430118	0704954	Fernald, Kenneth F	1937	110	--	67	6	--
GTW	7	430122	0704950	Barnes, Charles P	1937	110	--	82	6	50
GTW	8	430130	0704949	McAdams, Paul R	1937	100	--	63	6	--
GTW	9	430204	0704959	Hazzard, L. R.	1924	90	--	90	6	87
GTW	10	430209	0705011	Evans, Stephen S	1938	50	--	110	6	80
GTW	12	430112	0704952	Portsmouth DPW	1951	110	--	43.5	8	43.5

borings, and springs--continued

Local site number	Type of site	Water Level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
East Kingston, continued						
EAW 3	BrW	20	01-01-47	H	--	B.
EAW 4	BrW	--	--	H	--	B.
EAW 6	Dug	5.60	01-06-56	H	--	B.
EAW 8	BrW	--	--	H	20	B.
EAW 10	BrW	--	--	H	0.75	
EAW 11	BrW	4.5	05-15-85	H	30	
EAW 22	BrW	5	10-05-84	H	10	
EAW 23	BrW	3	10-09-84	H	30	
EAW 24	BrW	9	02-26-58	H	3.75	
EAW 25	BrW	11	- -57	H	11	
EAW 26	BrW	16	- -56	H	7	
Greenland						
GTA 1	TH	2	07-27-87	U	--	USGS.
GTA 2	TH	6.17	05-30-78	U	--	
GTA 3	TH	8.5	05-12-77	U	--	
GTA 4	TH	10.2	10-18-77	U	--	
GTA 6	TH	--	--	U	--	
GTA 7	TH	--	--	U	--	
GTA 8	TH	--	--	U	--	
GTA 9	TH	--	--	U	--	
GTA 10	TH	--	--	U	--	
GTA 16	TH	--	--	U	--	
GTA 17	TH	--	--	U	--	
GTA 18	TH	0.0	05-24-78	U	--	
GTA 19	TH	5.67	05-22-78	U	--	
GTA 20	TH	6.08	03-06-78	U	--	
GTA 21	TH	1.25	06-06-78	U	--	
GTA 22	TH	5.16	06-07-77	U	--	
GTA 23	TH	6.33	02-27-77	U	--	
GTA 24	TH	7.16	06-06-77	U	--	
GTA 25	TH	8.25	05-23-77	U	--	
GTA 26	TH	0.0	06-05-78	U	--	
GTA 31	TH	17.4	05-01-78	U	--	
GTA 32	TH	1.33	06-01-78	U	--	
GTA 33	TH	3.08	05-30-78	U	--	
GTA 34	TH	8.5	10-13-77	U	--	
GTA 35	TH	4.83	05-23-78	U	--	
GTS 1	Sp	--	--	H	20	B; Bubbling up in bottom of tile.
GTS 2	Sp	--	--	H	30	B; Formerly used for fish hatchery.
GTW 1	GPW	12	- -44	PS	450	B. Also known as Greenland Well #5.
GTW 2	Dug	37.4	01-08-54	H	--	B.
GTW 3	Dug	1.95	01-04-54	H	--	B.
GTW 4	Dug	14	04-13-56	H	--	B.
GTW 6	GPW	--	--	H	30	B.
GTW 7	BrW	--	--	H	10	B.
GTW 8	GPW	33	- -37	H	38	B.
GTW 9	BrW	--	--	I	--	B.
GTW 10	BrW	--	--	H	--	B.
GTW 12	Obs	--	--	U	--	B.

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Greenland, continued									
GTW 13	430138	0705002	Portsmouth DPW	1951	60	--	47	8	47
GTW 14	430054	0705039	Portsmouth DPW	1951	80	--	30	2	30
GTW 15	430056	0705015	Portsmouth DPW	1951	90	--	14.5	2	14.5
GTW 16	430118	0705004	Portsmouth DPW	1951	100	--	17	2	17
GTW 17	430145	0705000	Portsmouth DPW	1951	60	--	48	2	48
GTW 18	430146	0705009	Portsmouth DPW	1951	70	--	36	2	36
GTW 19	430154	0705019	Portsmouth DPW	1951	80	--	11	2	11
GTW 20	430148	0704951	Fisher, Ralph D.	1942	60	--	26.6	2.5	--
GTW 22	430155	0704949	Brackett, Edwin	1942	50	--	36	2.5	36
GTW 23	430210	0705011	Brown, Myra R.	1942	50	--	47.9	2.5	--
GTW 24	430206	0705143	Portsmouth DPW	1942	50	--	40.8	2.5	--
GTW 26	430207	0705119	Portsmouth DPW	1942	30	--	30.5	2.5	--
GTW 27	430204	0705119	Portsmouth DPW	1942	40	--	28.6	2.5	28.6
GTW 28	430148	0705105	Portsmouth DPW	1942	20	--	18.4	2.5	18.4
GTW 29	430120	0704933	Portsmouth DPW	1977	90	--	40	2.5	40
GTW 30	430204	0704948	Portsmouth DPW	1977	70	--	52	2.5	52
GTW 31	430202	0704946	N.H. State of	1977	70	--	75.5	2.5	75.5
GTW 32	430101	0705015	Ireland, Frank	1954	110	--	105	6	27
GTW 33	430053	0704941	Portsmouth DPW	1977	80	--	29	2.5	29
GTW 34	430056	0704943	Portsmouth DPW	1977	90	--	38	2.5	38
GTW 35	430224	0705113	Smith, Rudolph	1957	20	--	212	6	78
GTW 36	430201	0705001	Greenland School	--	90	--	111	6	87
GTW 37	430201	0704955	Beals, Fred	--	80	--	110	6	80
GTW 38	430206	0704957	Church Parsonage	--	70	--	100	6	20
GTW 39	430115	0704921	Portsmouth DPW	1978	70	--	42	2.5	42
GTW 40	430114	0704906	Portsmouth DPW	1978	70	79	55	2.5	72
GTW 41	430117	0704902	Portsmouth DPW	1978	70	--	39	2.5	39
GTW 42	430058	0704925	Amee, James	--	90	--	45	6	--
GTW 43	430037	0705059	Portsmouth DPW	1978	20	--	66	2.5	66
GTW 44	430042	0705103	Sanderson	1978	20	--	56	6	56
GTW 45	430058	0705021	Gordon	1984	100	--	505	6	20
GTW 46	430207	0704945	N.H., State of	1977	70	--	74	8	74
GTW 47	430227	0704855	Maceivich	1957	70	--	125	6	40
GTW 48	430209	0704949	Portsmouth DPW	1977	70	36	35	2.5	36
GTW 49	430116	0704921	Portsmouth DPW	1978	70	--	42	8	--
GTW 52	430203	0704950	N.H., State of	1977	70	--	58	--	58
GTW 54	430151	0705001	McIntire, W. T.	--	80	--	97	6	70
GTW 55	430139	0705129	Portsmouth DPW	1978	20	--	48	2.5	48
GTW 56	430034	0705035	Henderson	1985	50	--	300	6	10
GTW 57	430205	0704944	N.H., State of	1977	60	72	42	2.5	72
GTW 58	430054	0705017	Twin Town Homes	1985	80	--	160	6	12
GTW 59	430009	0704905	NHWS&PCD	1985	81	--	18.5	2	18.5
GTW 60	430052	0705024	Cook	1986	100	--	220	6	70
GTW 63	430055	0705019	Gold Key Associates	1986	100	--	225	6	20
GTW 64	430117	0704915	Portsmouth DPW	1978	70	--	50	2.5	50
GTW 65	430114	0704911	Portsmouth DPW	1978	70	--	49	2.5	49
GTW 67	430110	0704948	Simpson	1985	90	--	180	6	62
GTW 70	430103	0704935	Raizes	1984	90	--	160	6	30
GTW 71	430108	0704931	Coombs Farm Subdivision	1984	80	--	140	6	30
GTW 72	430125	0705057	Portsmouth DPW	1978	40	--	50	2.5	50

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Greenland, continued						
GTW 13	Obs	--	--	U	--	B.
GTW 14	Obs	--	--	U	--	B.
GTW 15	Obs	--	--	U	--	B.
GTW 16	Obs	--	--	U	--	B.
GTW 17	Obs	--	--	U	--	B.
GTW 18	Obs	--	--	U	--	B.
GTW 19	Obs	--	--	U	--	B.
GTW 20	Obs	--	--	U	--	B.
GTW 22	Obs	16	- -42	U	30	B.
GTW 23	Obs	11	- -42	U	66	B.
GTW 24	Obs	--	--	U	--	B.
GTW 26	Obs	--	--	U	--	B.
GTW 27	Obs	--	--	U	--	B.
GTW 28	Obs	--	--	U	--	B.
GTW 29	Obs	8.3	05-13-77	U	20	
GTW 30	Obs	14.5	05-16-77	U	75	
GTW 31	Obs	14.8	05-20-77	U	--	
GTW 32	BrW	25	09-09-54	H	7.5	
GTW 33	Obs	5.16	06-02-77	U	--	
GTW 34	Obs	12	06-06-77	U	--	
GTW 35	BrW	--	--	H	7	
GTW 36	BrW	--	--	PS	25	
GTW 37	BrW	--	--	H	80	
GTW 38	BrW	--	--	H	5	
GTW 39	Obs	2.25	05-10-78	U	50	
GTW 40	Obs	0.75	05-22-78	U	50	
GTW 41	Obs	-2	06-05-78	U	12	Flowing.
GTW 42	BrW	--	--	H	4	
GTW 43	Obs	--	--	U	20	Flowing.
GTW 44	Obs	--	--	U	--	Flowing.
GTW 45	BrW	--	--	H	0.5	
GTW 46	TW	18.3	10-07-1977	U	500	Two week pump test performed 12/7/77 - 12/21/77.
GTW 47	BrW	--	--	H	10	
GTW 48	Obs	12.2	10-13-77	U	--	
GTW 49	TW	2	07-05-78	U	167	Thirteen day pump test performed 7/17/78 - 7/30/78.
GTW 52	Obs	21.7	10-04-77	U	37	
GTW 54	BrW	--	--	H	5.5	
GTW 55	Obs	6.33	03-07-78	U	8	
GTW 56	BrW	--	--	H	2	
GTW 57	Obs	14.4	05-23-77	U	--	
GTW 58	BrW	--	--	H	20	
GTW 59	Obs	4.09	10-08-85	U	--	
GTW 60	BrW	--	--	H	6.5	
GTW 63	BrW	--	--	H	2.5	
GTW 64	Obs	2.2	05-11-78	U	18	
GTW 65	Obs	0.0	05-12-78	U	40	
GTW 67	BrW	--	--	H	25	
GTW 70	BrW	--	--	H	7	
GTW 71	BrW	--	--	H	8	
GTW 72	Obs	12.8	05-22-78	U	20	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Greenland, continued									
GTW 74	430109	0704928	Coombs Farm Subdivision	1984	80	--	360	6	22
GTW 75	430108	0704925	Coombs Farm Subdivision	1984	80	--	320	6	20
GTW 76	430242	0705037	O'Brien	1986	10	--	260	6	18
GTW 77	430009	0704852	NHWS&PCD	1985	98	--	44	1.5	44
GTW 78	430235	0705044	Andrew Realty Trust	1986	20	--	142	6	20
GTW 79	430203	0704944	N.H., State of	1987	60	71	39	2	71
GTW 80	430228	0705056	Drew	1986	20	--	140	6	50
GTW 81	430224	0705054	Silvester	1987	20	--	142	6	51
GTW 82	430222	0705102	Gamester	1987	20	--	142	6	25
GTW 83	430222	0705108	Burnett	1986	20	--	150	6	53
GTW 84	430219	0705112	Burnett	1986	20	--	175	6	50
GTW 85	430216	0705115	Weeks	1984	30	--	360	6	33
GTW 86	430245	0705142	Hanson	1986	40	--	142	6	28
GTW 87	430254	0705136	Swale Corporation	1985	20	--	265	6	20
GTW 88	430306	0705203	Fitzgerald	1986	50	--	220	6	10
GTW 89	430207	0705210	Mueller	1987	80	--	350	6	20
GTW 90	430125	0704936	Coakley	1987	80	--	200	6	20
GTW 91	430117	0704940	Coakley	1987	90	--	500	6	--
GTW 92	430116	0704945	Coakley	1987	90	--	550	6	--
GTW 93	430036	0704839	Thermo-Homes, Inc.	1985	80	--	300	6	30
GTW 94	430032	0704841	Thermo-Homes, Inc.	1986	100	--	250	6	6
GTW 95	430102	0704931	Coombs Farm Subdivision	1984	90	--	120	6	12
GTW 96	430113	0704947	Coakley Construction	1987	90	--	162	6	78
GTW 97	430115	0704943	Coakley Construction	1986	90	--	145	6	50
GTW 98	430026	0704828	Retail Development	1985	120	--	100	6	22
GTW 99	430206	0705113	Novel Iron Works	1985	30	--	200	6	23
GTW 100	430112	0704941	Coakley	1987	90	--	300	6	37
Hampstead									
HDW 5	425411	0711247	--	1910	250	--	10.6	12	--
HDW 11	425321	711022	Loscha, Francis	1955	245	--	12	36	--
HDW 14	425258	0710947	Emerson	1960	255	--	11	36	5
HDW 15	425246	0710744	Macewen, W.	1925	280	--	15.1	36	--
HDW 17	425352	0710925	White, G.	1935	240	--	10.7	24	--
HDW 20	425316	710918	--	--	250	--	13.5	36	12
HDW 21	425342	0710949	Dembrowski, Joseph	1958	235	--	14.2	36	12
HDW 29	425322	0711006	Ordway, Myron	--	255	--	142	6	40
HDW 30	425319	0711013	Regan, Mirran	--	235	--	163	6	75
HDW 44	425309	0710802	Lash, Mabel	--	280	--	82	6	15
HDW 45	425244	0711243	Archibald	1984	210	--	100	6	21
HDW 46	425345	0711005	Delgrosso	1984	250	--	235	6	20
HDW 61	425246	0711237	Pekins	1984	210	--	150	6	16
HDW 81	425240	0710912	Skaff	1985	220	--	260	6	10
HDW 88	425256	0710935	Emerson	1985	230	--	225	6	12
HDW 89	425258	0710934	Emerson	1985	230	--	225	6	13
HDW 102	425318	0711023	Green	1985	240	--	300	6	18
HDW 107	425317	0710754	Nico Builders, Inc.	1985	260	--	220	6	12
Hampton									
HEA 9	425723	0704937	Hampton Water Works	1960	70	46.3	--	--	--
HEA 10	425728	0704958	Hampton Water Works	1962	70	60	--	--	--

borings, and springs--continued

Local site number	Type of site	Water Level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Greenland, continued						
GTW 74	BrW	--	--	H	5	
GTW 75	BrW	--	--	H	20	
GTW 76	BrW	--	--	H	8	
GTW 77	Obs	6.6	10-08-85	U	--	
GTW 78	BrW	--	--	H	6	
GTW 79	Obs	10.9	07-28-87	U	6.5	CA; USGS; W.
GTW 80	BrW	--	--	H	6.5	
GTW 81	BrW	--	--	H	20	
GTW 82	BrW	--	--	H	100	
GTW 83	BrW	--	--	H	30	
GTW 84	BrW	--	--	H	20	
GTW 85	BrW	--	--	H	3.75	
GTW 86	BrW	--	--	H	10	
GTW 87	BrW	--	--	H	10	
GTW 88	BrW	--	--	H	5	
GTW 89	BrW	--	--	H	5	
GTW 90	BrW	--	--	H	15	
GTW 91	BrW	--	--	H	4	
GTW 92	BrW	--	--	H	2.5	
GTW 93	BrW	--	--	H	8	
GTW 94	BrW	10	06-16-86	H	5	
GTW 95	BrW	--	--	H	20	
GTW 96	BrW	--	--	H	6	
GTW 97	BrW	--	--	H	0.25	
GTW 98	BrW	--	--	H	6	
GTW 99	BrW	--	--	H	6	
GTW 100	BrW	--	--	H	6	
Hampstead						
HDW 5	Dug	5.12	08-21-62	H	--	K.
HDW 11	Dug	7.25	08-21-62	H	--	K.
HDW 14	Dug	7	01-01-60	PS	--	K.
HDW 15	Dug	11.9	08-22-62	H	--	K.
HDW 17	Dug	6.79	08-22-62	H	--	K.
HDW 20	Dug	11	08-22-62	H	--	K.
HDW 21	Dug	12.9	08-22-62	H	--	K; Pump draws sand.
HDW 29	BrW	23	--	H	4.5	
HDW 30	BrW	25	--	H	9	Possible gravel on top of bedrock.
HDW 44	BrW	15	--	H	7	
HDW 45	BrW	45	06-06-84	H	10	
HDW 46	BrW	20	07-17-84	H	5	
HDW 61	BrW	8	06-06-84	H	12	
HDW 81	BrW	45	09-16-85	C	5	
HDW 88	BrW	--	--	PS	27	
HDW 89	BrW	10	07-31-85	PS	17	
HDW 102	BrW	15	05-24-85	H	4.5	
HDW 107	BrW	15	07-19-85	H	10	
Hampton						
HEA 9	TH	6	11-16-60	U	--	
HEA 10	TH	5.1	08-28-62	U	--	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Hampton, continued									
HEA 11	425730	0705006	Hampton Water Works	1960	70	50	--	--	51
HEA 12	425725	0704924	Hampton Water Works	1960	70	21	--	--	--
HEA 13	425724	0705034	Hampton Water Works	1965	90	29.8	--	--	--
HEA 15	425633	0705028	Hampton Water Works	1956	40	71.5	--	--	--
HEB 12	425346	0704901	NH Dept. of Transportation	1938	0	40.7	--	--	40.7
HEB 13	425734	0705127	NH Dept. of Transportation	1971	80	51	--	--	51
HEB 14	425721	0705130	NH Dept. of Transportation	1971	80	22	--	--	22
HEW 2	425554	0704923	Garland, Otis	--	50	--	30	36	--
HEW 3	425727	0704935	Hampton Water Works	1937	80	58	50	18	--
HEW 6	425712	0704938	Hampton Water Works	1956	80	--	50	24	--
HEW 7	425630	0704856	Hampton Water Works	1950	50	54	45	24	--
HEW 12	425642	0704907	Yeaton, Gordon	1913	80	--	90	6	30
HEW 13	425611	0704906	Hampton Water Works	1962	30	--	49	2.5	49
HEW 14	425713	0704943	Hampton Water Works	1956	70	60	45	2.5	60
HEW 15	425620	0705037	Foss Manufacturing Co.	1985	20	--	475	6	73
HEW 16	425753	0705344	Miller	1985	60	--	150	6	30
HEW 17	425713	0704941	Hampton Water Works	1956	70	--	62	2.5	62
HEW 18	425606	0704857	Hampton Water Works	1962	30	--	64.5	2.5	64.5
HEW 22	425613	0704859	Hampton Water Works	1962	30	--	58.5	2.5	58.5
HEW 24	425721	0704930	Hampton Water Works	1965	70	63.5	63	24	--
HEW 25	425722	0704933	Hampton Water Works	1960	70	--	43.6	2.5	--
HEW 27	425720	0704938	Hampton Water Works	1960	70	47.3	38.3	2.5	--
HEW 28	425710	0704929	Moore	1987	80	54	44.7	2	--
HEW 29	425617	0705013	Baptist Parsonage	1957	50	--	146	6	88
HEW 30	425602	0705000	Jerry's Restaurant	1961	30	--	122	6	47
HEW 31	425550	0705040	Exeter-Hampton Elec. Co.	1958	30	--	124	6	13
HEW 32	425639	0704857	Barnaly, Earl	1956	60	--	75	6	14
HEW 33	425644	0705054	Butcher, Charles	1956	30	--	160	6	38
HEW 37	425709	0705241	Hampton Water Works	1988	30	--	27	--	27
Hampton Falls									
HFA 1	425531	0705414	Seabrook DPW	1977	60	39	--	--	39
HFA 2	425418	0705323	Seabrook DPW	1975	50	39	--	--	39
HFA 3	425419	0705325	Seabrook DPW	1975	50	43.5	--	--	43.5
HFA 4	425425	0705349	Coombs, Walter	1975	50	36.5	--	--	36.5
HFA 5	425428	0705339	Seabrook DPW	1975	60	33	--	--	33
HFA 9	425414	0705306	Seabrook DPW	1975	40	51.7	--	--	51.7
HFA 10	425442	0705246	Seabrook DPW	1975	40	31.8	--	--	31.8
HFA 11	425443	0705240	Seabrook DPW	1975	40	9	--	--	9
HFA 14	425410	0705408	Seabrook DPW	1975	60	13	--	--	--
HFB 1	425435	0705259	NH Dept. of Transportation	1961	34.7	21	--	--	21
HFB 2	425512	0705214	NH Dept. of Transportation	1971	38.4	13	--	--	13
HFB 4	425411	0705243	NH Dept. of Transportation	1971	50.5	39.5	--	--	39.5
HFW 2	425456	0705157	Merrill, R. P.	1945	70	--	20	18	--
HFW 3	425457	0705146	Payne, E. J.	1955	70	--	101	6	35
HFW 7	425507	0705335	Farley, Ralph M.	1954	60	--	120	6	60
HFW 8	425608	0705442	Merchant, Donald	1955	70	--	17	48	17
HFW 16	425532	0705412	Seabrook DPW	1977	60	--	33	2.5	--

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Hampton, continued						
HEA 11	TH	0.7	11-09-60	U	--	
HEA 12	TH	0.4	11-14-60	U	--	
HEA 13	TH	12.3	06-28-65	U	--	
HEA 15	TH	1.8	01-27-56	U	--	
HEB 12	BB	--	--	U	--	
HEB 13	BB	--	--	U	--	
HEB 14	BB	--	--	U	--	
HEW 2	Dug	27.9	12-11-53	H	--	B.
HEW 3	GPW	8	- -37	PS	400	B; Also known as Whites Field Well.
HEW 6	GPW	1.77	04-11-56	PS	490	B; Also known as Scammon Well.
HEW 7	GPW	1	04-18-50	PS	350	B; CA; Also known as Ryder Well.
HEW 12	BrW	20	- -13	H	5.5	B.
HEW 13	Obs	9.5	08-08-62	U	--	
HEW 14	Obs	2.1	03-05-56	U	60	Refusal in hardpan.
HEW 15	BrW	--	--	H	75	
HEW 16	BrW	2	10-12-85	H	15	
HEW 17	Obs	0.3	03-05-56	U	--	Refusal in hardpan.
HEW 18	Obs	10.1	08-13-62	U	--	
HEW 22	Obs	8.3	08-15-62	U	--	
HEW 24	GPW	9.5	09-21-65	PS	625	Also known as Sicard Well.
HEW 25	Obs	2.3	11-15-60	U	--	
HEW 27	Obs	4.6	11-18-60	U	50	
HEW 28	Obs	27.8	07-29-87	U	0.8	CA; W; USGS; Refusal in till.
HEW 29	BrW	47	- -57	H	6.5	
HEW 30	BrW	3	02-10-61	C	7.5	
HEW 31	BrW	16	08-14-58	H	6.5	
HEW 32	BrW	--	--	H	5	
HEW 33	BrW	--	--	H	6	
HEW 37	Obs	--	--	U	42	
Hampton Falls						
HFA 1	TH	--	--	U	--	
HFA 2	TH	3	04-12-75	U	--	
HFA 3	TH	3.2	04-12-75	U	--	
HFA 4	TH	1.3	04-16-75	U	--	
HFA 5	TH	1	04-15-75	U	--	
HFA 9	TH	2.5	04-23-75	U	--	
HFA 10	TH	1.67	04-10-75	U	--	
HFA 11	TH	0.5	04-06-75	U	--	
HFA 14	TH	1	05-02-75	U	--	
HFB 1	BB	--	--	U	--	
HFB 2	BB	--	--	U	--	
HFB 4	BB	--	--	U	--	
HFW 2	Dug	11.4	04-17-56	H	--	B.
HFW 3	BrW	9	- -55	H	16	B.
HFW 7	BrW	5	- -54	H	25	B.
HFW 8	Dug	15	07- -55	H	--	B.
HFW 16	Obs	11	09-09-77	U	5	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Hampton Falls, continued									
HFW 17	425739	0705449	Bennett	1986	80	--	725	6	57
HFW 18	425457	0705318	Stiles	1984	60	--	400	6	20
HFW 19	425457	0705326	Grady	1987	60	--	142	6	52
HFW 20	425420	0705234	Thermo-Homes, Inc.	1986	40	--	225	6	10
HFW 21	425630	0705436	Wyndmere Development	1986	60	--	240	6	50
HFW 22	425449	0705144	Edgerly	1986	40	--	285	6	39
HFW 23	425453	0705126	Murray	1986	10	--	225	6	59
HFW 24	425459	0705136	Luponi	1986	20	--	162	6	52
HFW 25	425505	0705144	Pretty	1984	20	--	80	6	27
HFW 26	425515	0705135	Village Barn Garden Ctr	1985	10	--	150	6	38
HFW 27	425501	0705145	Marston	1984	30	--	120	6	40
HFW 29	425434	0705303	Cote	1963	50	--	135	6	58
Kensington									
KFW 4	425614	0705655	Toothacre F. E.	1926	110	--	84	60	24
KFW 7	425544	0705636	Kensington School	1952	130	--	50	60	48
KFW 11	425424	0705518	Brown, Leavitt	1910	90	--	23.5	36	--
KFW 12	425432	0705534	Seabrook DPW	1975	110	--	74.5	2.5	75.3
KFW 13	425434	0705521	Seabrook DPW	1977	110	68	57	2.5	68
KFW 14	425359	0705505	Seabrook DPW	1975	100	73.5	52.5	2.5	73.5
KFW 15	425420	0705512	Seabrook DPW	1977	70	53	--	2.5	53
KFW 16	425425	0705521	Zuzel	1985	80	--	140	6	50
KFW 17	425438	0705535	Batchelder, Richard	1987	90	60.5	24	2	60.5
KFW 18	425734	0705533	Kensington, Town of	1987	50	86	81	2	86
KFW 19	425406	0705504	Public Service Co of NH	1987	80	57	38.6	2	57
KFW 20	425406	0705505	Public Service Co of NH	1987	80	--	20	2	--
KFW 21	425509	0705547	McCarthy	1986	120	--	300	6	19
KFW 22	425606	0705618	Burdick	1984	80	--	260	6	42
KFW 23	425625	0705623	Staples	1984	60	--	195	6	12
KFW 24	425634	0705612	Towle Hill Assoc, Inc.	1987	50	--	275	6	20
KFW 25	425636	0705607	Towle Hill Assoc, Inc.	1987	60	--	185	6	45
KFW 27	425730	0705544	Curran, D.	1985	40	--	300	6	50
KFW 28	425539	0705637	Brucato	1985	120	--	280	6	50
KFW 29	425734	0705544	Design & Develop. Assoc.	1985	40	--	160	6	70
KFW 30	425526	0705622	Woodworth, Roy	1956	130	--	213	6	51
KFW 32	425639	0705608	Crowell	1960	70	--	177	6	102
KFW 33	425712	0705600	Lumpkin, George	1960	70	--	200	6	123
Kingston									
KTA 1	425544	0710307	D'Urso, Bob	1986	110	23	--	--	--
KTA 2	425344	0710434	Great Lakes Container Co.	1952	130.4	21	--	--	--
KTA 3	425353	0710445	Great Lakes Container Co.	1952	128.9	27.5	--	--	26.5
KTA 4	425344	0710441	Great Lakes Container Co.	1952	133.5	53.3	--	--	40
KTA 16	425619	0710304	Kingston, Town of	1956	120	49	--	--	--
KTA 17	425623	0710306	Kingston, Town of	1956	130	49	--	--	--
KTA 19	425634	0710316	Kingston, Town of	1985	140	55	--	--	55
KTW 1	425604	0710316	Bakie, Warren G.	--	135	--	13	36	--
KTW 3	425434	0710404	Nason, Beth	--	145	--	23.8	40	--
KTW 5	425506	0710318	Simes, Mrs.	--	130	--	12.3	36	--
KTW 9	425543	0710316	Battles, Nathan	1952	135	--	127	6	100
KTW 10	425542	0710318	Kingston, Town of	1956	135	--	17.2	0.75	--

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Hampton Falls, continued						
HFW 17	BrW	42	01-01-86	H	100	
HFW 18	BrW	--	--	H	3	
HFW 19	BrW	--	--	H	100	
HFW 20	BrW	--	--	H	30	
HFW 21	BrW	25	04-26-86	H	12	
HFW 22	BrW	--	--	H	12	
HFW 23	BrW	--	--	H	10	
HFW 24	BrW	--	--	H	10	
HFW 25	BrW	--	--	H	25	
HFW 26	BrW	--	--	C	25	
HFW 27	BrW	--	--	H	20	
HFW 29	BrW	--	--	H	9	
Kensington						
KFW 4	BrW	22	01-01-26	H	2.5	B.
KFW 7	GPW	17	01-01-52	PS	30	B.
KFW 11	Dug	6.15	05-21-56	H	--	B.
KFW 12	Obs	4.7	01-15-75	U	--	
KFW 13	Obs	11	09-22-77	U	--	
KFW 14	Obs	1.75	01-17-75	U	35	
KFW 15	Obs	7	10-11-77	U	--	
KFW 16	BrW	--	--	H	50	
KFW 17	Obs	4.80	07-21-87	U	--	CA; USGS; W.
KFW 18	Obs	10.9	07-21-87	U	--	USGS.
KFW 19	Obs	12.8	07-21-87	U	0.71	CA; USGS; W; KFW-20 located 4 feet away.
KFW 20	Obs	12.8	07-21-87	U	--	USGS.
KFW 21	BrW	--	--	H	6.5	
KFW 22	BrW	--	--	H	15	
KFW 23	BrW	10	06-15-84	H	6	
KFW 24	BrW	--	--	H	20	
KFW 25	BrW	--	--	H	20	
KFW 27	BrW	--	--	H	7	
KFW 28	BrW	30	09-12-85	H	5	
KFW 29	BrW	--	--	H	30	
KFW 30	BrW	--	--	H	6	
KFW 32	BrW	23	- -60	H	9	
KFW 33	BrW	20	- -60	H	6	
Kingston						
KTA 1	TH	6	08-05-86	U	--	GS; USGS.
KTA 2	TH	--	--	U	--	
KTA 3	TH	--	--	U	--	
KTA 4	TH	--	--	U	--	
KTA 16	TH	--	--	U	--	B.
KTA 17	TH	--	--	U	--	B.
KTA 19	TH	--	--	U	--	USGS.
KTW 1	Dug	7.52	12-22-55	H	--	B.
KTW 3	Dug	19.3	12-22-55	U	--	B.
KTW 5	Dug	6.47	01-06-56	U	--	B; Reported never gone dry.
KTW 9	BrW	8	- -52	H	--	B.
KTW 10	Obs	11.6	05-17-56	U	0.25	B.

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Kingston, continued									
KTW 11	425613	0710315	Kingston, Town of	--	135	--	13	120	--
KTW 12	425631	0710303	Kingston, Town of	--	130	--	14	160	--
KTW 14	425448	0710515	Page, Clarence H.	--	155	--	15	36	--
KTW 15	425346	0710502	Red Top Poultry Farm	1946	160	--	13	24	--
KTW 20	425348	0710430	Buswell	1981	120.2	--	34.8	2.5	34.8
KTW 21	425344	0710432	Swanburg	1981	119.7	--	29.5	2.5	29.5
KTW 22	425343	0710427	Swanburg	1981	116.9	--	25.5	2.5	25.5
KTW 23	425346	0710431	Swanburg	1981	124.0	--	29	2.5	29
KTW 24	425346	0710431	Swanburg	1981	123.5	--	21.5	2.5	--
KTW 25	425345	0710431	Swanburg	1981	119.7	--	30.1	2.5	30.1
KTW 27	425311	0710408	Ryan, Ron	1987	120	--	25	--	--
KTW 28	425624	0710308	Long, Chris	1987	130	--	44	--	--
KTW 39	425352	0710349	Manuel, Barry Dr.	1986	120	49	25	2	--
KTW 40	425437	0710223	Polatewich	1986	125	39	30	2	39
KTW 41	425439	0710336	Shattuck, George	1986	125	51	50	2	51
KTW 42	425554	0710335	Jervis, Ed	1986	135	--	62	2	62
KTW 45	425546	0710307	D'Urso, Bob	1986	140	32.5	30	2	32.5
KTW 46	425347	0710337	Manuel, Barry Dr.	1986	125	20	20	2	--
KTW 47	425329	0710411	N.H., State of	1987	119.4	39.6	29.8	1.25	39.6
KTW 48	425333	0710409	N.H., State of	1987	119.3	34.1	25	1.25	34.1
KTW 49	425337	0710413	N.H., State of	1987	118.2	19.6	17.5	1.25	19.6
KTW 50	425331	0710416	N.H., State of	1987	118.3	60.8	49	1.25	60.8
KTW 51	425328	0710351	N.H., State of	1987	120.9	9	9	1.25	--
KTW 52	425246	0710432	Sears, Richard	1955	140	--	60	--	28
KTW 53	425437	0710152	Bartlett	1984	130	--	11	--	--
KTW 54	425500	0710538	Amsberg, Guy	1948	150	--	173	6	40
KTW 55	425329	0710335	Green, P.S.	1961	120	--	94	6	80
KTW 56	425548	0710322	Davey, Charles	1963	135	--	97	6	19
KTW 57	425507	0710333	Kennedy, Dr.	1962	120	--	80	6	65
KTW 58	425500	0710307	Arnald, George E.	1943	130	--	75	6	13
KTW 59	425503	0710425	Leone, Victor	1955	130	--	96	6	10
KTW 60	425515	0710321	West, Ernest	1962	130	--	212	6	15
KTW 61	425445	0710226	West, Ernest	1963	125	--	71	--	15
KTW 62	425228	0710427	True	1963	140	--	150	6	18
KTW 63	425223	0710438	Masters	1984	140	--	225	6	--
KTW 64	425516	0710426	Costello	1984	120	--	150	6	--
KTW 65	425448	0710542	Nelson	1984	150	--	235	6	--
KTW 66	425515	0710416	Ryan	1984	120	--	170	6	--
KTW 69	425452	0710451	Faxon Brothers	1984	140	--	200	6	14
KTW 70	425450	0710451	Faxon Brothers	1984	140	--	115	6	15
KTW 71	425456	0710452	Faxon Brothers	1984	140	--	17.5	--	--
KTW 72	425241	0710439	Price	1984	140	--	240	6	9
KTW 75	425409	0710508	Pandelena	1985	160	--	200	6	50
KTW 77	425544	0710345	Sands, Jack	1987	125	77	68	2	77
KTW 78	425418	0710248	Sands, Jack	1987	125	91	63	2	91
KTW 80	425445	0710357	Pope, Lyman	1987	145	90	70	2	--
KTW 85	425448	0710451	Nason	1984	140	--	340	6	20
KTW 96	425621	0710309	Baker School	1959	135	--	300	6	128
KTW 97	425548	0710236	Moreau, J.	1965	135	--	160	6	77
KTW 98	425546	0710314	Allen, Robert	1987	135	--	120	6	120

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Kingston, continued						
KTW 11	Dug	7.08	06-18-56	PS	--	B.
KTW 12	Dug	5.27	06-18-56	F	--	B.
KTW 14	Dug	11.3	10-17-56	H	--	B.
KTW 15	Dug	10.3	10-17-56	U	--	B.
KTW 20	Obs	0.0	04-09-81	U	--	
KTW 21	Obs	0.67	04-09-81	U	--	
KTW 22	Obs	0.0	04-07-81	U	--	
KTW 23	Obs	4.08	04-14-81	U	--	
KTW 24	Obs	3.9	04-14-81	U	--	
KTW 25	Obs	1.5	04-09-51	U	--	
KTW 27	Dvn	15	09-07-87	H	15	
KTW 28	Dvn	9	10-12-87	H	15	
KTW 39	Obs	2.45	01-08-87	U	5	CA; GS; USGS; W.
KTW 40	Obs	6.85	01-09-87	U	1.56	CA; GS; USGS; W.
KTW 41	Obs	4.52	07-24-87	U	1.15	CA; GS; USGS; W.
KTW 42	Obs	10.9	01-08-87	U	7	CA; GS; USGS; W.
KTW 45	Obs	8.25	01-08-87	U	--	CA; GS; USGS; W.
KTW 46	Obs	4.68	03-10-87	U	--	CA; USGS; W.
KTW 47	Dvn	-4.9	10-15-87	U	27.5	Well driven into Country Pond.
KTW 48	Dvn	-9.5	10-13-87	U	7	Well driven into Country Pond.
KTW 49	Dvn	-4.3	10-09-87	U	48	Well driven into Country Pond.
KTW 50	Dvn	-1.7	10-15-87	U	45	Well driven into Country Pond.
KTW 51	Dvn	-3.7	10-15-87	U	45	Well driven into Country Pond.
KTW 52	BrW	10	- -55	H	10	
KTW 53	Dug	6	08-31-84	H	20	
KTW 54	BrW	13	04-16-48	H	8	
KTW 55	BrW	20	06- -61	H	10	
KTW 56	BrW	20	11-15-63	H	4.5	
KTW 57	BrW	20	11- -62	H	50	
KTW 58	BrW	13	11-18-43	H	1.5	
KTW 59	BrW	15	- -55	H	6	
KTW 60	BrW	--	--	H	3	
KTW 61	BrW	6	12-06-63	H	60	
KTW 62	BrW	--	--	U	1.5	
KTW 63	BrW	--	--	H	4	
KTW 64	BrW	--	--	H	8	
KTW 65	BrW	--	--	H	2	
KTW 66	BrW	--	--	H	3	
KTW 69	BrW	5	05-22-84	H	45	
KTW 70	BrW	0.5	05-10-84	H	7.5	
KTW 71	Dvn	2	05-09-84	H	50	
KTW 72	BrW	8	09-13-84	H	15	
KTW 75	BrW	--	--	H	8.25	
KTW 77	Obs	4.10	06-24-87	U	0.67	CA; USGS; W.
KTW 78	Obs	5.97	07-24-87	U	3	CA; USGS; W.
KTW 80	Obs	24.9	07-30-87	U	4.7	CA; USGS; W.
KTW 85	BrW	10	09-18-84	H	5	
KTW 96	BrW	--	--	PS	25	
KTW 97	BrW	--	--	H	6	
KTW 98	Wsh	15	08-17-87	H	12	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Kingston, continued									
KTW 99	425602	0710339	Kelley, Dan	1987	130	--	35	--	--
KTW 101	425613	0710321	Pilgrim Church	1987	135	88	70	--	88
KTW 102	425302	0710408	Phillips, Shirley	1987	120	--	15	--	15
KTW 103	425557	0710311	Martin, Jamie	1987	135	--	38	--	--
KTW 104	425337	0710352	Sawyer, Don	1985	120	--	20	--	--
KTW 105	425423	0710407	Kingston Fair Assoc.	1987	140	--	16	2	16
KTW 106	425445	0710353	Morgenstern, Richard	1985	145	--	55	--	--
KTW 107	425512	0710416	Brett, William	1986	135	--	20	--	20
KTW 108	425535	0710412	Camp Lincoln	1986	120	--	25	--	--
KTW 109	425453	0710339	Temple, Darren	1985	130	40	30	--	--
KTW 110	425450	0710356	Domke, Ralph	1986	140	--	35	--	--
KTW 111	425457	0710356	Edwards, Mary	1985	120	--	40	--	--
KTW 112	425437	0710230	John's Truck & Auto	1985	130	--	18	--	--
KTW 113	425457	0710243	Robertson, Gary	1987	120	--	30	--	--
KTW 114	425441	0710151	Coopers, Justin	1987	120	--	18	--	--
KTW 115	425445	0710235	Ward, Roger	1987	120	--	30	--	--
KTW 116	425451	0710235	Morin, Steve	1988	120	--	25	--	--
KTW 117	425508	0710332	Beriandi, John	1985	120	60	45	--	--
KTW 118	425509	0710324	Father Mulrey Home	1987	130	--	20	--	20
KTW 119	425524	0710320	Wetzel, Fred	1986	130	40	25	--	--
Londonderry									
LRA 1	425000	0712056	Londonderry, Town of	1970	210	38	--	--	38
LRA 2	424958	0712056	Londonderry, Town of	1970	210	28	--	--	28
LRA 3	425008	0712055	Londonderry, Town of	1970	210	38	--	--	18
LRA 4	425014	0712545	Londonderry, Town of	1962	190	33	--	--	33
LRA 5	425039	0712536	Picco, Fred	1986	190	15	--	--	15
LRA 6	425347	0712637	Boucher, Bill	1986	130	16.5	--	--	16.5
LRA 7	425347	0712639	Boucher, Bill	1986	150	43	--	--	43
LRA 8	425035	0712056	Londonderry, Town of	1986	210	12	--	--	12
LRA 9	425551	0712100	Londonderry, Town of	1982	310	7.5	--	--	7.5
LRA 10	425553	0712057	Londonderry, Town of	1982	310	22	--	--	22
LRA 11	425012	0712053	Londonderry, Town of	1970	210	21	--	--	21
LRA 12	425048	0712056	Londonderry, Town of	1970	220	30	--	--	30
LRA 14	424840	0712057	Londonderry, Town of	1970	220	4	--	--	4
LRA 15	425515	0712533	Londonderry, Town of	1970	220	7	--	--	7
LRA 16	425522	0712537	Londonderry, Town of	1970	215	19	--	--	19
LRA 56	425447	0712522	Londonderry, Town of	1962	305	40.5	--	--	40.5
LRA 57	425503	0712631	Londonderry, Town of	1962	210	95.5	--	--	95.5
LRB 12	425008	0712111	NH Dept. of Transportation	1978	208	32	--	--	32
LRS 3	424955	0712410	--	--	260	--	6	--	--
LRW 5	425451	0712526	--	--	305	--	15	--	--
LRW 6	425019	0712525	--	--	205	--	16.4	--	--
LRW 10	425332	0712539	Watts, Melvin	1840	205	--	25	--	30
LRW 16	425013	0712439	--	--	280	--	12.6	40	--
LRW 21	424800	712140	O'Shea	1912	200	--	12.9	24	--
LRW 22	425022	712058	Cote, Albert	--	230	--	15.7	48	--
LRW 23	424854	0712058	Chase, A.	1938	250	--	70	60	6
LRW 27	425232	0712034	--	--	305	--	14.4	50	--
LRW 28	425217	0712023	Jones, Albert	1950	320	--	108	80	3

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Kingston, continued						
KTW 99	Wsh	15	09-03-87	H	15	
KTW 101	Wsh	15	07-02-87	H	15	
KTW 102	Dvn	2	08-01-87	H	8	
KTW 103	Dvn	9	07-27-87	H	10	
KTW 104	Dvn	4	07-12-85	H	25	
KTW 105	Wsh	4	07-26-87	H	5	
KTW 106	Wsh	25	10-29-85	H	12	
KTW 107	Wsh	10	10-24-86	H	15	
KTW 108	Dvn	5	08-19-86	H	40	
KTW 109	Wsh	20	06-10-85	H	15	
KTW 110	Wsh	20	06-23-86	H	15	
KTW 111	Wsh	20	10-10-85	H	20	
KTW 112	Dvn	5	09-23-85	H	30	
KTW 113	Dvn	14	08-12-87	H	3	
KTW 114	Dvn	5	08-14-87	H	3	
KTW 115	Wsh	3	09-29-87	H	15	
KTW 116	Dvn	--	--	H	5	
KTW 117	Wsh	5	06-04-85	H	15	
KTW 118	Dvn	6	09-13-87	H	15	
KTW 119	Wsh	15	03-28-86	H	12	
Londonderry						
LRA 1	TH	--	--	U	--	
LRA 2	TH	--	--	U	--	
LRA 3	TH	--	--	U	--	
LRA 4	TH	--	--	U	--	
LRA 5	TH	7	07-23-86	U	--	USGS.
LRA 6	TH	--	--	U	--	GS; USGS.
LRA 7	TH	20	07-23-86	U	--	GS; USGS.
LRA 8	TH	6	09-24-86	U	--	USGS.
LRA 9	TH	--	--	U	--	
LRA 10	TH	--	--	U	--	
LRA 11	TH	--	--	U	--	Refusal on hardpan.
LRA 12	TH	--	--	U	--	
LRA 14	TH	--	--	U	--	
LRA 15	TH	--	--	U	--	
LRA 16	TH	--	--	U	--	
LRA 56	TH	--	--	U	--	
LRA 57	TH	--	--	U	--	
LRB 12	BB	--	--	U	--	
LRS 3	Sp	--	--	U	--	K; Also known as Lithia Spring.
LRW 5	Dug	9.63	03-23-62	U	--	K.
LRW 6	Dug	11	06-15-62	U	--	K.
LRW 10	Dug	6	- 1840	H	--	K; Reported dry seasonally.
LRW 16	Dug	9.3	06-20-62	H	--	K; Used in summer.
LRW 21	Dug	8.19	06-22-62	H	--	K.
LRW 22	Dug	2.64	06-22-62	H	--	K.
LRW 23	BrW	6	01-01-38	H	5	K.
LRW 27	Dug	6.06	06-25-62	H	--	K; Well abandoned.
LRW 28	BrW	--	--	H	6	K; Water "salty".

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Londonderry, continued									
LRW 29	425314	0712115	Cuffe, William	--	380	--	7.8	54	9
LRW 40	425400	0712037	Tyler	--	320	--	8.9	36	9
LRW 41	425521	0712051	Marquis, H.	--	335	--	8.3	48	8
LRW 45	425555	0712147	--	--	350	--	10.7	36	10
LRW 52	425440	0712047	Laporte, Archie	--	380	--	5.8	36	--
LRW 60	425614	0712236	Beale, William	1956	265	--	100	6	40
LRW 61	425359	0712601	Schmidtchen	1963	205	--	200	--	54
LRW 64	425010	0712055	Londonderry, Town of	1970	220	--	26	2.5	26
LRW 65	424956	0712054	Londonderry, Town of	1970	210	--	49	2.5	49
LRW 66	424958	0712053	Londonderry, Town of	1970	210	39	32	2.5	39
LRW 67	425050	0712032	Londonderry, Town of	1986	260	40	31	2	40
LRW 68	425036	0712529	Picco, Fred	1986	190	29	15	2	--
LRW 69	425501	0712645	Londonderry, Town of	1986	210	104	63	2	104
LRW 70	425456	0712609	Londonderry, Town of	1986	245	62	15	2	--
LRW 71	425621	0712120	Derry, Town of	1973	260	--	33	2.5	--
LRW 72	425116	0712025	Derry, Town of	1973	240	--	28	2.5	--
LRW 73	425610	0712120	Londonderry, Town of	1982	270	15	13.9	2.5	15
LRW 74	425554	0712054	Londonderry, Town of	1982	285	15	9.2	2.5	--
LRW 75	425556	0712106	Londonderry, Town of	1982	285	30.2	17.5	2.5	20.2
LRW 76	425601	0712107	Londonderry, Town of	1982	275	30	28.3	2.5	--
LRW 77	425601	0712102	Londonderry, Town of	1982	280	25	24.2	2.5	--
LRW 78	425607	0712106	Londonderry, Town of	1982	285	52.5	18	2.5	52.5
LRW 79	425053	0712049	Londonderry, Town of	1970	220	46	45	2.5	46
LRW 80	425052	0712047	Londonderry, Town of	1970	220	--	56	2.5	56
LRW 81	425048	0712051	Londonderry, Town of	1970	220	62	55	2.5	62
LRW 82	425059	0712032	Londonderry, Town of	1970	223.4	--	53	2.5	53
LRW 83	425101	0712031	Londonderry, Town of	1970	221.6	--	53	4	53
LRW 84	425104	0712028	Londonderry, Town of	1970	220	--	31	2.5	31
LRW 86	424839	0712103	Gillette	1964	230	--	103	6	8
LRW 87	425031	0712129	Sparks, Herbert	1963	260	--	120	6	11
LRW 88	425127	0712018	Kelley, Robert	1961	250	--	119	6	43
LRW 89	425250	0712047	Trombley, Edward	1962	345	--	151	6	10
LRW 90	425114	0712019	Derry, Town of	1966	230	--	37	2.5	--
LRW 91	425118	0712013	Derry, Town of	1966	230	--	27	2.5	--
LRW 92	425116	0712026	Derry, Town of	1966	230	--	26.8	2.5	--
LRW 94	425035	0712541	K & M Builders	1986	180	--	205	6	40
LRW 95	425033	0712541	K & M Builders	1986	180	--	145	6	20
LRW 96	425031	0712540	K & M Builders	1986	180	--	285	6	20
LRW 97	425027	0712537	N & R Construction	1986	190	--	245	6	22
LRW 98	425025	0712535	Dunton	1986	190	--	183	6	20
LRW 99	425022	0712532	N & R Construction	1986	190	--	305	6	21
LRW 100	425018	0712522	Carrier	1986	200	--	300	6	25
LRW 102	424954	0712347	Gagnon	1984	280	--	295	6	20
LRW 103	424944	0712339	Tate Brothers	1984	260	--	405	6	14
LRW 104	425103	0712457	Karhas	1985	230	--	265	6	28
LRW 105	425253	0712513	N & R Construction	1985	250	--	285	6	9
LRW 106	425251	0712509	N & R Construction	1985	260	--	245	6	10
LRW 107	425248	0712454	KWS Builders	1987	260	--	305	6	15
LRW 108	425252	0712451	R. Construction	1984	250	--	165	6	10
LRW 109	425258	0712459	FDN Construction	1984	240	--	155	6	10

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Londonderry, continued						
LRW 29	Dug	3.97	06-25-62	H	--	K; Iron reported in water.
LRW 40	Dug	5.32	06-26-62	U	--	K.
LRW 41	Dug	5.11	06-26-62	H	--	K.
LRW 45	Dug	7.88	06-27-62	H	--	K.
LRW 52	Dug	4.15	06-28-62	H	--	K.
LRW 60	BrW	--	--	H	4.5	K.
LRW 61	BrW	--	--	H	--	K; Reported substantial yield.
LRW 64	Obs	9	- -70	U	50	
LRW 65	Obs	4	- -70	U	30	
LRW 66	Obs	3.5	- -70	U	60	
LRW 67	Obs	30	01-08-87	U	--	GS; USGS.
LRW 68	Obs	3.72	07-30-87	U	--	CA; GS; USGS; W.
LRW 69	Obs	16	07-24-86	U	--	GS; USGS; W; Well is dry.
LRW 70	Obs	10.3	01-09-87	U	--	CA; GS; USGS; W; Well was destroyed.
LRW 71	Obs	--	--	U	30	
LRW 72	Obs	12.8	07- -73	U	25	Located near existing well field.
LRW 73	Obs	3.6	07-20-82	U	--	
LRW 74	Obs	3.2	07-21-82	U	--	
LRW 75	Obs	3.04	07-27-82	U	--	
LRW 76	Obs	5	07-29-82	U	--	
LRW 77	Obs	2.65	08-02-82	U	--	
LRW 78	Obs	7.8	08-19-82	U	--	
LRW 79	Obs	8	- -70	U	8	
LRW 80	Obs	8	- -70	U	12	
LRW 81	Obs	21	- -70	U	10	
LRW 82	Obs	8	- -70	U	45	
LRW 83	TW	5	- -70	U	60	One week pump test performed 12/16/70 to 12/21/70. Five observation wells nested here.
LRW 84	Obs	4	- -70	U	35	
LRW 86	BrW	12	- -64	H	9	
LRW 87	BrW	25	06- -63	H	3	
LRW 88	BrW	--	--	H	7	
LRW 89	BrW	--	--	H	2	
LRW 90	TW	--	--	U	260	Nine day pump test performed 06/09/66 to 06/17/66. Five observation wells nested here.
LRW 91	Obs	--	--	U	--	
LRW 92	Obs	--	--	U	--	
LRW 94	BrW	10	04-04-86	H	30	
LRW 95	BrW	10	04-13-86	H	8	
LRW 96	BrW	10	04-09-86	H	75	
LRW 97	BrW	15	04-11-86	H	25	
LRW 98	BrW	9	04-16-86	H	15	
LRW 99	BrW	15	11-28-86	H	10	
LRW 100	BrW	--	--	H	5	
LRW 102	BrW	--	--	H	8	
LRW 103	BrW	10	08-24-84	PS	20	
LRW 104	BrW	3	03-18-85	H	20	
LRW 105	BrW	12	09-17-85	H	6	
LRW 106	BrW	18	09-13-85	H	25	
LRW 107	BrW	--	--	H	2	
LRW 108	BrW	10	10-23-84	H	30	
LRW 109	BrW	15	07-31-84	H	4	

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Londonderry, continued									
LRW 110	425254	0712455	R. Construction	1984	250	--	145	6	15
LRW 111	425251	0712501	N & R Construction	1985	250	--	265	6	18
LRW 112	425300	0712509	Fairway Homes	1984	240	--	265	6	9
LRW 113	425258	0712507	FDN Construction	1984	230	--	265	6	12
LRW 114	425110	0712459	Colonial Developers	1986	240	--	300	6	20
LRW 115	425107	0712456	Colonial Developers	1985	240	--	185	6	30
LRW 116	425101	0712450	Forest	1985	230	--	205	6	36
LRW 117	425100	0712447	Forest	1985	240	--	165	6	10
LRW 118	425112	0712450	Colonial Developers	1985	230	--	205	6	25
LRW 119	425332	0712516	Grainger	1984	220	--	205	6	16
LRW 120	425320	0712515	Mechachonis	1986	260	--	225	6	70
LRW 121	425355	0712613	Verani	1986	200	--	500	6	55
LRW 122	425356	0712607	Labrie	1984	220	--	175	6	51
LRW 123	425339	0712605	Serenity Homes	1985	220	--	225	6	30
LRW 124	425335	0712602	Serenity Homes	1985	220	--	405	6	2
LRW 125	425335	0712559	Serenity Homes	1985	220	--	275	6	40
LRW 126	425338	0712601	Serenity Homes	1985	220	--	305	6	45
LRW 127	425620	0712224	Advanced Builders	1986	240	--	585	6	45
LRW 128	425613	0712227	Advanced Builders	1986	270	--	585	6	30
LRW 129	425612	0712223	Advanced Builders	1986	270	--	505	6	30
LRW 130	425601	0712134	N & R Construction	1984	340	--	185	6	45
LRW 131	425541	0712139	McDonald	1984	350	--	700	6	60
LRW 132	425535	0712145	W-Z Builders	1985	360	--	305	6	15
LRW 133	425523	0712144	Demers	1985	350	--	100	6	5
LRW 134	425452	0712200	Newhouse	1985	330	--	285	6	18
LRW 135	425430	0712140	Robinson	1984	340	--	185	6	0
LRW 136	425342	0712209	FDN Construction	1984	400	--	185	6	140
LRW 137	425357	0712043	Chiarella	1985	310	--	180	6	8
LRW 138	425353	0712040	Waldron	1986	300	--	300	6	6
LRW 139	425350	0712023	Larocque	1986	300	--	350	6	16
LRW 140	425259	0712103	Joe J Walter Corp	1985	350	--	325	6	15
LRW 141	425258	0712100	Joe J Walter Corp	1985	350	--	305	6	12
LRW 142	425255	0712056	George Company	1985	340	--	300	6	8
LRW 143	425252	0712038	Thompson	1986	330	--	605	6	7
LRW 144	425303	0712138	Southern N.H. Water Co.	--	475	--	--	--	--
LRW 145	425354	0712554	Southern N.H. Water Co.	--	215	--	--	--	--
Newington									
NIA 1	430609	0704758	Newington, Town of	1974	40	18.5	--	--	18.5
NIA 2	430610	0704836	Newington, Town of	1974	100	5.2	--	--	5.2
NIA 4	430554	0704807	Newington, Town of	1974	50	15	--	--	--
NIA 5	430630	0704824	Newington, Town of	1974	30	12	--	--	12
NIA 6	430644	0704900	Newington, Town of	1974	20	24.5	--	--	24.5
NIA 7	430646	0704914	Newington, Town of	1974	30	12	--	--	--
NIB 1	430617	0704848	NH Dept. of Transportation	1953	40	42	--	--	42
NIW 1	430507	0705017	Pease AFB	--	80	--	20	36	--
NIW 3	430355	0704912	Pease AFB	1910	40	--	11.2	60	--
NIW 4	430602	0705003	Frink, Harold	--	70	--	12.1	60	--
NIW 8	430508	0705045	Pease AFB	1956	20	--	170	6	66

borings, and springs--continued

Local site number	Type of site	Water level		Use	Maximum well yield (gallons per minute)	Remarks
		Depth (feet)	Date (mm-dd-yy)			
Londonderry, continued						
LRW 110	BrW	115	10-20-84	H	10	
LRW 111	BrW	12	11-20-85	H	8	
LRW 112	BrW	20	08-09-84	H	3.5	
LRW 113	BrW	15	09-25-84	H	3	
LRW 114	BrW	20	03-12-86	H	5	
LRW 115	BrW	20	12-05-85	H	20	
LRW 116	BrW	25	07-25-85	H	10	
LRW 117	BrW	4	03-19-85	H	10	
LRW 118	BrW	20	07-31-85	H	20	
LRW 119	BrW	20	11-27-84	H	5	
LRW 120	BrW	--	--	H	30	
LRW 121	BrW	20	02-07-86	H	60	
LRW 122	BrW	--	--	H	4	
LRW 123	BrW	30	05-30-85	H	8	
LRW 124	BrW	25	05-21-85	H	3	
LRW 125	BrW	20	05-29-85	H	3	
LRW 126	BrW	20	05-20-85	H	3	
LRW 127	BrW	--	--	H	2	
LRW 128	BrW	30	12-23-86	H	6	
LRW 129	BrW	--	--	H	5	
LRW 130	BrW	20	04-26-84	H	4	
LRW 131	BrW	60	12-11-84	H	5	
LRW 132	BrW	30	03-15-85	H	10	
LRW 133	BrW	10	12-27-85	H	15	
LRW 134	BrW	10	04-17-85	H	5	
LRW 135	BrW	20	08-23-84	H	5	
LRW 136	BrW	--	--	H	6	
LRW 137	BrW	6	10-15-85	H	40	
LRW 138	BrW	4	09-04-86	H	15	
LRW 139	BrW	18	12-04-86	C	12	
LRW 140	BrW	--	--	H	8	
LRW 141	BrW	25	10-04-85	H	20	
LRW 142	BrW	6	07-24-85	H	5	
LRW 143	BrW	--	--	H	0.5	
LRW 144	BrW	--	--	PS	33.5	Five wells in well field; well depths range from 250-788 ft. Also known as the Birchville Community Wells.
LRW 145	BrW	--	--	PS	29.6	Four wells in well field; well depths range from 15-620 ft. Also known as the Brook Park Community Wells.
Newington						
NIA 1	TH	--	--	U	--	
NIA 2	TH	--	--	U	--	
NIA 4	TH	8	07-12-74	U	--	
NIA 5	TH	4.5	07-12-74	U	--	
NIA 6	TH	4	07-12-74	U	--	
NIA 7	TH	3.33	07-12-74	U	--	
NIB 1	BB	--	--	U	--	
NIW 1	Dug	16.4	11-03-53	H	--	B; Well destroyed by Pease AFB construction.
NIW 3	Dug	3.09	01-04-54	U	--	B; One of a battery of wells and springs.
NIW 4	Dug	6.7	01-08-54	H	--	B; Goes dry in drought or dry summer.
NIW 8	BrW	Flow	01-26-56	PS	29	B; Flowing. Also known as MMS Well No. 2.

Table 2.--Description of selected wells,

Local site number	Latitude	Longitude	Owner or user	Year completed	Elevation above sea level (feet)	Depth of hole (feet)	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)
Newington, continued									
NIW 9	430513	0705041	Pease AFB	1955	40	--	130	6	14
NIW 10	430405	0704913	Pease AFB	1951	60	--	60	8	60
NIW 11	430440	0704952	Pease AFB	--	70	--	31	8	31
NIW 12	430403	0704912	Pease AFB	1951	60	--	68	2	68
NIW 13	430400	0704912	Pease AFB	1951	70	--	38	2	38
NIW 14	430358	0704911	Pease AFB	1951	70	--	32	2	32
NIW 15	430356	0704912	Pease AFB	1951	60	--	28	2	28
NIW 16	430355	0704911	Pease AFB	1951	80	--	26	2	26
NIW 17	430408	0704916	Pease AFB	1951	60	--	36	2	36
NIW 18	430403	0704917	Pease AFB	1951	40	--	55	2	55
NIW 19	430356	0704918	Pease AFB	1951	40	--	24	2	24
NIW 20	430401	0704933	Pease AFB	1951	30	--	10	2	10
NIW 21	430428	0704948	Pease AFB	1951	50	--	19.5	2	19.5
NIW 22	430444	0705011	Pease AFB	1951	50	--	23	2	23
NIW 23	430503	0705021	Pease AFB	1951	60	--	37	2	37
NIW 24	430513	0705026	Pease AFB	1951	40	--	24	2	24
NIW 25	430553	0705017	Pease AFB	1951	80	--	66.5	2	66.5
NIW 26	430415	0704919	Pease AFB	1951	70	--	41	2	41
NIW 27	430403	0704915	Pease AFB	1977	52	56	43	2.5	56
NIW 29	430407	0704916	Pease AFB	1977	78.7	--	36.8	3	--
NIW 32	430458	0705005	Newington, Town of	1987	90	36	21	2	36
NIW 35	430548	0705017	Mazeau, Jack	1987	80	74	29	2	74
NIW 36	430505	0704911	Pease AFB	1985	88.5	74	56.5	2	--
NIW 37	430528	0704939	Pease AFB	1985	108.4	31	31	2	26
NIW 38	430541	0704946	Pease AFB	1984	110.7	38	38	2	18
NIW 39	430506	0704955	Pease AFB	1985	109	69.5	62	2	65
NIW 40	430511	0705006	Pease AFB	1985	95.2	53.5	53.5	2	51
NIW 41	430635	0705037	Pickering	1960	50	--	147	6	18
NIW 42	430614	0704955	Coleman, Clarke	1961	70	--	173	6	5
NIW 43	430548	0705043	Rawson	--	70	--	65	6	16
NIW 44	430551	0705100	Davis, Chandler	--	60	--	120	6	100
NIW 45	430515	0704958	Leavitt, A.	--	100	--	205	6	100
NIW 46	430403	0704949	Peluso	--	30	--	43	6	10
NIW 47	430347	0704951	Kennard, A. P.	--	30	--	111	6	7
NIW 48	430631	0704849	Neveleski	--	30	--	62	6	20
NIW 50	430443	0705129	Pease AFB	--	50	--	300	--	--
NIW 51	430642	0704901	C.H. Sprague and Sons Co.	--	20	--	--	--	--
Newton									
NQA 1	425149	0710043	Newton, Town of	1977	140	16	--	--	--
NQA 2	425207	0710009	Newton, Town of	1986	145	7	--	--	--
NQA 3	425211	0710017	Irons	1986	150	8	--	--	--
NQA 4	425216	0710111	Leach	1986	155	9	--	--	--
NQA 5	425018	0710329	Newton, Town of	1977	115	13	--	--	--
NQA 6	425027	0710326	Plaistow, Town of	1977	115	9	--	--	--
NQA 7	425022	0710331	Newton, Town of	1977	115	12	--	--	--
NQW 3	425045	0710405	Bean, Edwin A.	--	130	--	17.5	36	--
NQW 4	425210	0710401	Nichols Poultry Farm	--	105	--	15.3	72	--
NQW 6	425154	0710103	Komulainen, William P.	1905	150	--	26.5	36	--
NQW 7	425321	0710314	Smith, E. A.	--	120	--	12.5	36	--
NQW 8	425008	0710327	Howard, Richard	1963	130	--	210	6	38