

**SUMMARY OF PUBLIC WATER-SUPPLY WITHDRAWALS AND GEOHYDROLOGIC
DATA FOR THE LOWER CONNECTICUT RIVER VALLEY FROM WINDSOR TO
VERNON, VERMONT**

By Joseph Ayotte

U.S. GEOLOGICAL SURVEY

Open-File Report 88-341

Prepared in cooperation with

STATE OF VERMONT, AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION



Bow, New Hampshire
1989

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., *Secretary*

GEOLOGICAL SURVEY

Dallas L. Peck, *Director*

For additional information, write to:

U.S. Geological Survey
Water Resources Division
RFD 12, 525 Clinton Street
Bow, New Hampshire 03304

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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)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	<u>Flow</u>	
gallon per day (gal/d)	0.003785	cubic meter per day (m ³ /d)

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 "Mean Sea Level of 1929."

Summary of Public Water-Supply Withdrawals and Geohydrologic Data for the Lower Connecticut River Valley from Windsor to Vernon, Vermont

By Joseph Ayotte

ABSTRACT

This report presents public water-supply data and geohydrologic data along a 50-mile segment of the Connecticut River valley from Windsor to Vernon, Vermont. An inventory of wells indicates that domestic ground-water supplies come primarily from bedrock, whereas public water supplies are derived from discontinuous, glacial sand and gravel deposits. Self-supplied industries generally use surface-water supplies.

Data from eight seismic-refraction surveys, and from a seismic-reflection survey along this 50-mile reach of the Connecticut River, were compared with stratigraphic information from 217 drillers' logs. These data indicate that stratified-drift deposits range from 0 to 270 feet and average about 65 feet.

Stratigraphic information from drillers' logs and seismic-reflection records show that predominantly fine-grained stratified drift fills the valley and that coarser sand and gravel deposits exist discontinuously within this area.

INTRODUCTION

Ground-water withdrawals from coarse-grained stratified-drift aquifers are an important source of water supply for the lower Connecticut

River valley in Vermont. Coarse-grained stratified-drift aquifers in this area, however, are discontinuous and largely overlain by silt and clay deposits. These facts have made exploration for high-yield aquifers in the valley difficult and nonsystematic.

A study was done by the U.S. Geological Survey, in cooperation with the State of Vermont Agency of Natural Resources Department of Environmental Conservation, to quantify the current demands on public water-supply withdrawal so that the amount of withdrawal, in the future, may be more accurately estimated. Another objective was to gather geohydrologic information from well logs and from seismic profiling to help identify potentially high-yielding aquifers.

Purpose and Scope

The purpose of this report is to present basic data that describe (1) public water-supply withdrawals and (2) geohydrologic information for sand and gravel aquifers in the lower Connecticut River valley from Windsor to Vernon, Vermont. Data presented in this report were collected from June 1987 through October 1987. The data include public-supply withdrawals, seismic-refraction data, seismic-reflection data, well-inventory information, and stratigraphic logs.

Description of Study Area

The study area is located along approximately 50 mi (miles) of the lower Connecticut River valley of Vermont (fig. 1) which includes part of nine Vermont towns from Windsor to Vernon. The area is primarily underlain by flood plain and terrace deposits of recent age, flanked by higher-elevation terraces composed of fine-grained, glacio-lacustrine sediment to coarse-grained stratified drift. A brief, generalized history is given here to describe the geohydrologic setting.

The land in the lower Connecticut River valley was eroded and scoured by the last ice advance. This erosion and scouring overdeepened many parts of the valley and altered preglacial drainage. Glacial till--an unsorted, unstratified sediment--was deposited discontinuously by the ice that occupied the valley. The till generally is thin relative to the overlying sediment. Kame deposits (stratified drift deposited in or beneath glacial ice by meltwater streams) and kame terraces (stratified sand and gravel deposited between the valley walls and glacial ice) were deposited during periods of melting (Stewart and MacClintock, 1969; Hodges, and others, 1976; Hansen, 1986).

Where drainage was blocked by topography, glacial deposits, or remnant ice blocks, meltwater streams formed lakes and deposited silts and clays. It is believed that a large glacial lake occupied the Connecticut River valley during deglaciation and remained in a stable position long enough to build thick deposits of silt and clay that are exposed in several places along the valley (Stewart and MacClintock, 1969; Hodges, and others 1976; Larson, 1972; Koteff and Larson, 1985). These fine-grained deposits overlie the coarse-grained stratified-drift deposits that comprise the most productive aquifers in the area.

Well Numbering and Location Systems

A local identification number and the national well-site-identification number of the U.S. Geological Survey are used to identify each well. The local numbers assigned to wells and borings consist of (1) a two-letter town code, (2) a letter code ("B" is for borings, "W" is for wells), and (3) a sequential number within each town. The local number for well number 1 in the town of Brattleboro, for example, is BTW-1.

The first six digits of the national well-site-identification number represent degrees, minutes, and seconds of latitude; the next seven digits represent degrees, minutes, and seconds of longitude; and the last two digits represent a sequential number assigned to sites within a 1-second latitude-longitude grid.

Previous Investigations

A preliminary ground-water favorability map of the Connecticut River basin in New Hampshire and Vermont, prepared by Cederstrom and Hodges (1967), delineated potential aquifer locations. Hodges and Butterfield (1968) compiled selected well and boring data and delineated areas of favorable ground-water development in Vermont. Hodges and others (1976) provide a detailed ground-water survey which includes part of the northern boundary of the study area.

The surficial geology and postglacial history of Vermont was described by Stewart and MacClintock (1969) from a dynamic geomorphological point of view. Koteff and Larson, (1985); Koteff and Pessl, (1985); Koteff and others (1987); and Larson (1972, 1984, 1987) studied the postglacial depositional sequences found in the Connecticut River valley in and near this area. These works focused on the occurrence of large glacial lakes in the valley lowlands during deglaciation and the relation of the lake sediments to the deposits above and below.

Acknowledgments

The State of Vermont, Agencies of Natural Resources and Transportation provided drillers' logs and bridge-boring logs, respectively. Officials from each of the nine towns provided access to town records and town property for seismic investigations. Well data were also obtained from several reports by local geohydrologic consulting firms primarily associated with solid-waste studies. In addition, numerous land owners cooperated with the well inventory and seismic investigations.

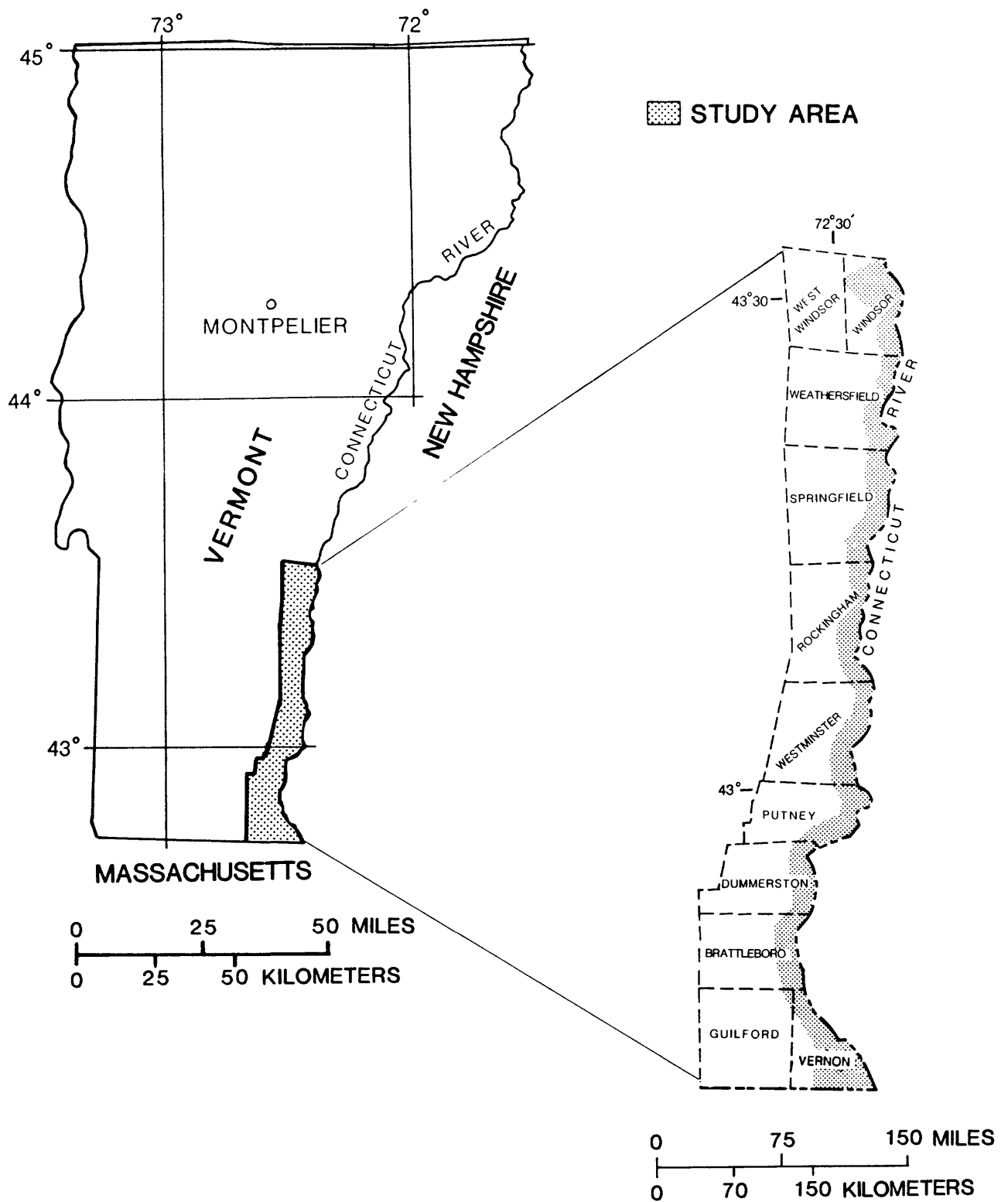


Figure 1.--Location of the study area.

PUBLIC WATER-SUPPLY WITHDRAWALS

Public water-supply withdrawal data were obtained primarily by compiling records from the Vermont Department of Health and by direct inquiries to ground-water users.

Ground water is a major source of water supply to the population of the lower Connecticut River valley in Vermont. Many homes receive water from bedrock wells that yield a median value of 6 gal/min (gallons per minute). In extreme cases, yields range from 0 to 500 gal/min. Aqueducts are used in areas, such as parts of Westminster and Weathersfield, to transport water eastward from springs draining the uplands to homes in the valley.

Larger towns and cities in the area have developed public-supply systems from ground water which may be publicly or privately owned (table 1).

GEOHYDROLOGIC DATA

Seismic-Refraction Survey

Seismic-refraction lines were run perpendicular to the Connecticut River valley at selected locations in the study area (plate 1). The refraction work was carried out according to methods outlined by Haeni (1986b); the data were interpreted with a time-delay model developed by Scott and others (1972).

This model calculates depths to subsurface layers based on fundamental physical properties of the subsurface materials. For the interpretation of the data in this study it was assumed that (1) the subsurface consists of three layers; unconsolidated, unsaturated sediment; unconsolidated, saturated sediment; and bedrock, (2) the velocity of sound propagation in each layer of a given geophone spread is uniform, (3) the velocity increases with depth, and (4) till may be present discontinuously at the bedrock surface but is thin where it exists and is, therefore, negligible. The unconsolidated deposits primarily are stratified drift.

Eight seismic-refraction profiles totaling 10,800 ft (feet) in length, are shown in figures 2a to 2h. Depths to bedrock exceeded 350 ft in some locations. At Weathersfield Bow, the depth to bedrock increased from east to west, away from the Connecticut River, before encountering the western valley

wall (fig. 2b). This buried valley may indicate the location of the preglacial drainage and (or) where glacial erosion was the greatest.

Seismic-Reflection Survey

High-resolution, continuous, seismic-reflection profiling methods described by Haeni (1971, 1986a) were used along a 50-mile stretch of the Connecticut River. Because of the many physical variables that affect the quality of the reflection record (that is, depth of the water, nature of bottom sediment, proximity to power lines, among others), some of the record could not be interpreted. Interpreted profiles of four sections along the river are presented in figure 3.

Well Inventory

Well data were obtained from the Vermont Agency of Natural Resources; Vermont State law mandates well drillers to file well-completion reports for wells drilled in the State. Additional well and boring data were obtained from previous State and Federal surveys, the Vermont Agency of Transportation, and studies done by consulting engineers. Data are presented for 217 locations in table 2; most of these locations have stratigraphic information recorded in table 3.

Table 1.--*Summary of public-water supply withdrawals*

[GW, ground water; SW, surface water; SP, spring; MHP, mobile home park; dashes indicate not reported]

Town	Supplier	Source	Average daily demand, (gallons/day)				
			1985	1984	1983	1982	1981
Windsor	Town Water Dept.	GW	105,300	--	--	--	--
Windsor	Mt. Ascutney MHP	GW	5,000	--	--	--	--
Weathersfield	Country Estates	GW	--	23,250	--	--	--
Weathersfield	Colonial Manor	SP	3,750	--	--	--	--
Weathersfield	McCalister	GW	--	--	6,000	--	--
Springfield	Town Water Dept.	GW	1,300,000	--	--	--	--
Springfield	Cyr's MHP	GW	17,500	--	--	--	--
Rockingham	Clarks Water Dept.	GW	3,400	--	--	--	--
Rockingham	Vt. Academy	GW	--	--	20,000	--	--
Rockingham	Bellows Falls	SW	--	500,000	--	--	--
Rockingham	Kurn Hattin Sch.	GW	4,500	--	--	--	--
Rockingham	No. Shore MHP	GW	--	--	--	--	5,500
Westminster	Shady Pines MHP	GW	5,000	--	--	--	--
Westminster	Wstmstr. Aqueduct	SP	21,000	--	--	--	--
Westminster	Town Water Dept.	GW/SP	--	7,500	--	--	--
Putney	Germon MHP	GW	5,300	--	--	--	--
Dummerston	Charette Wat. Dept.	GW	3,250	--	--	--	--
Brattleboro	Town Water Dept.	GW/SW	--	--	2,605,900	--	--
Vernon	Vernon Green Home	GW	--	--	--	--	--

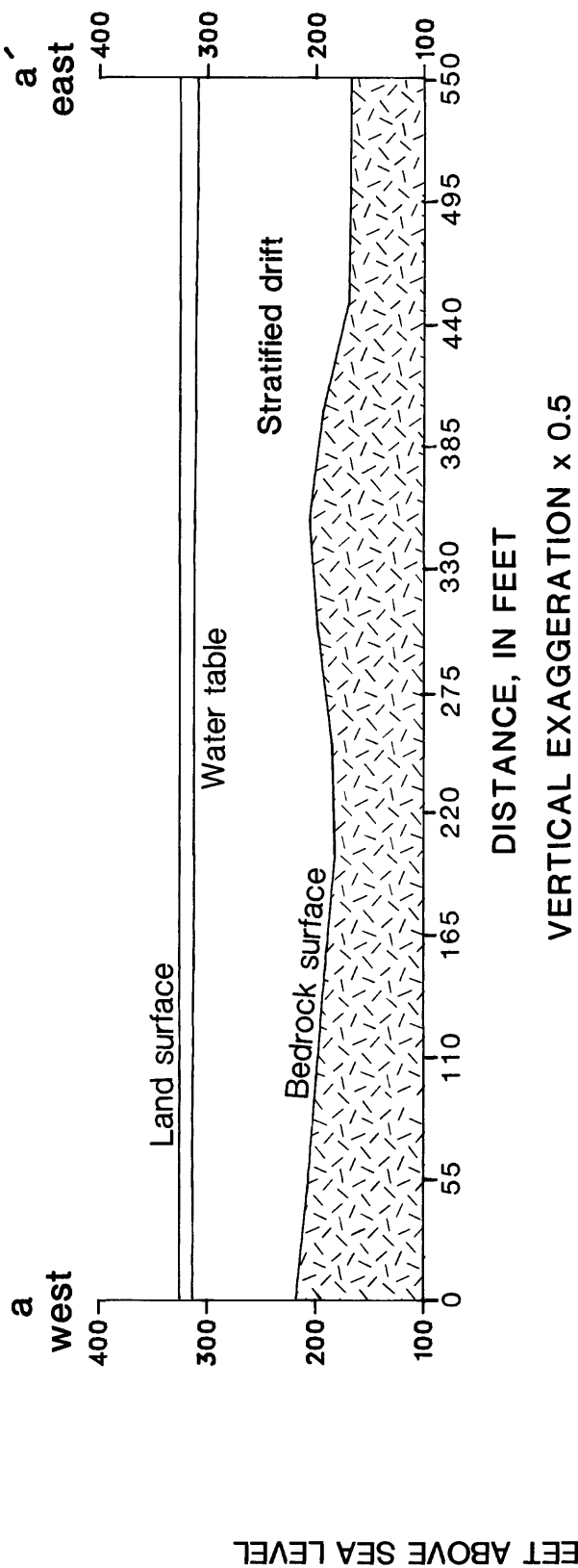


Figure 2a.--Geologic section interpreted from seismic-refraction data for Windsor, a-a'.

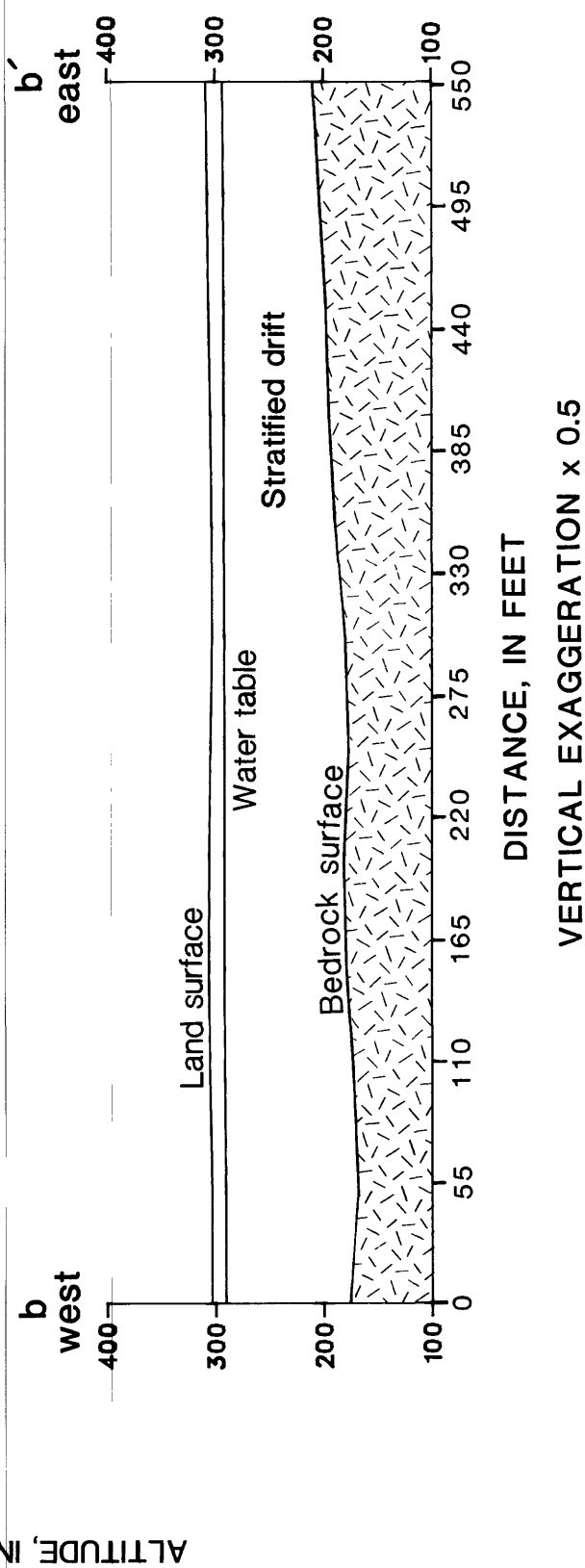


Figure 2b.--Geologic section interpreted from seismic-refraction data for Windsor, b-b'.

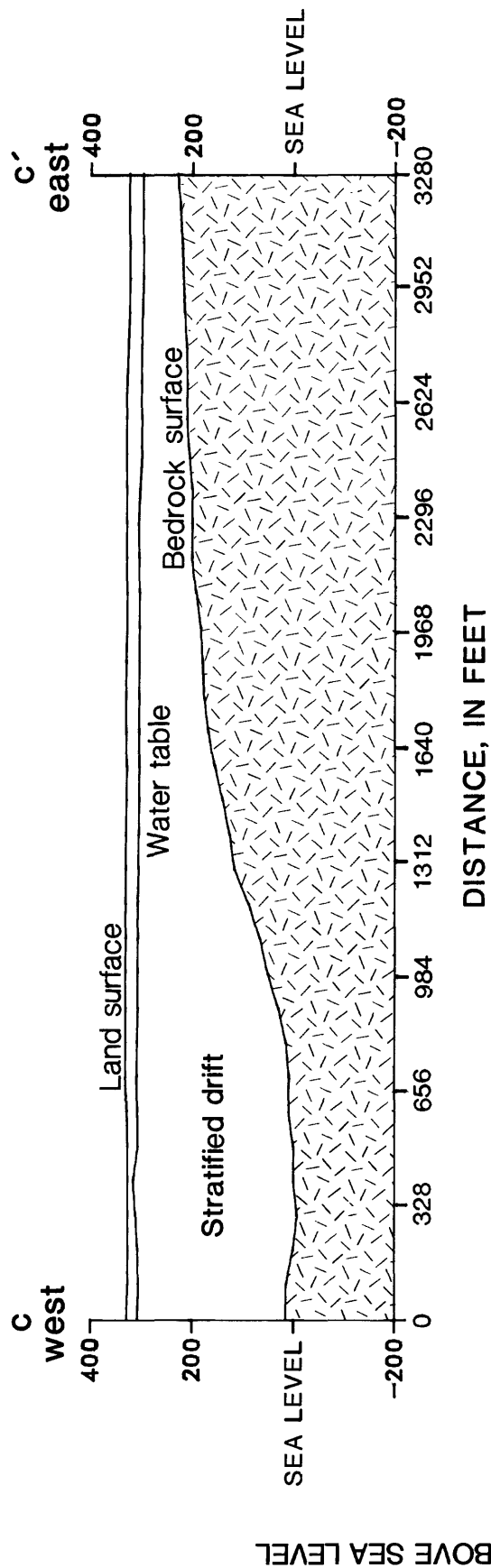


Figure 2c.--Geologic section interpreted from seismic-refraction data for Weathersfield Bow, c-c'.

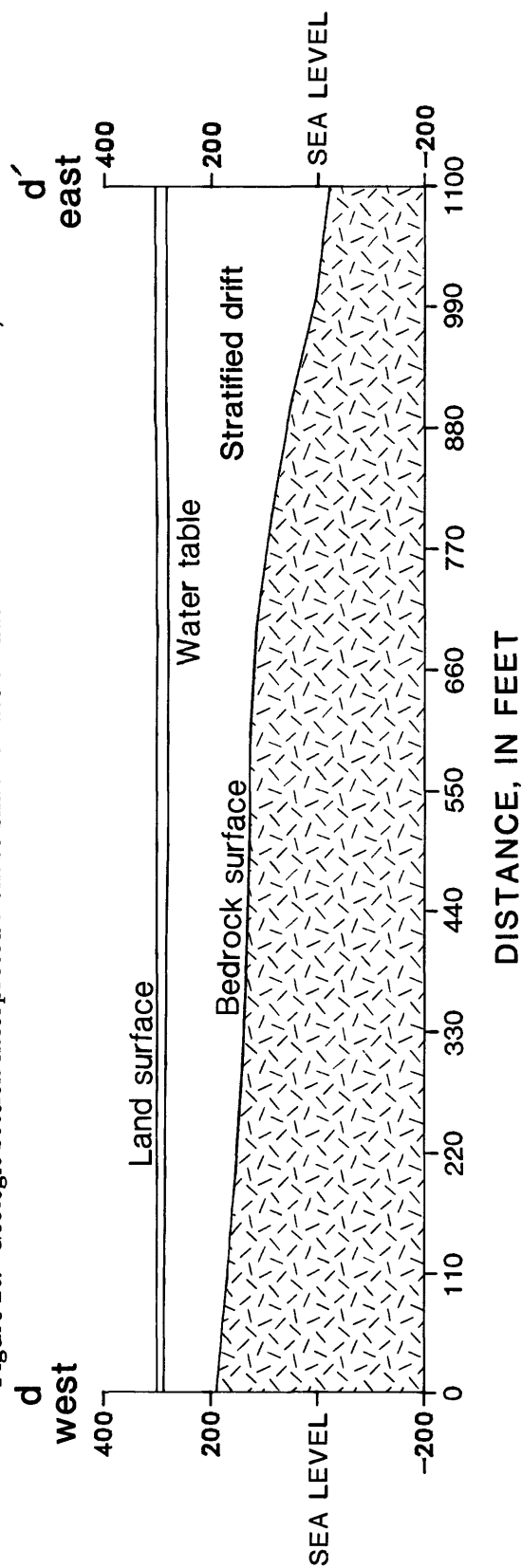


Figure 2d.--Geologic section interpreted from seismic-refraction data for Springfield, d-d'.

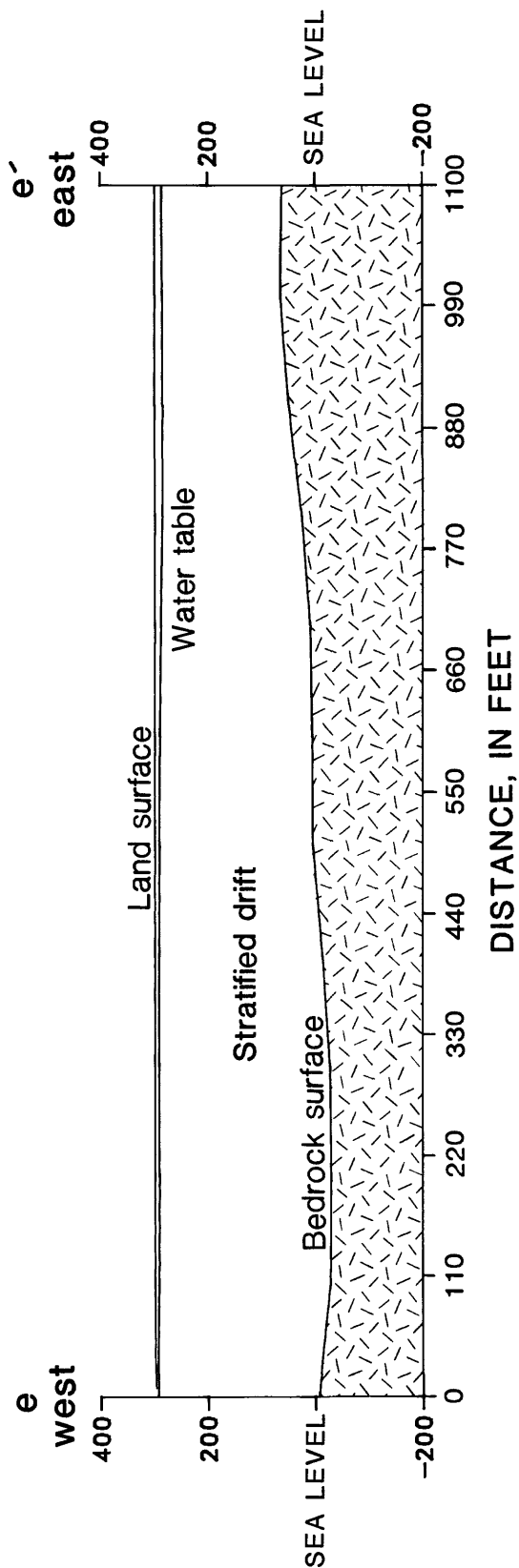


Figure 2e.--Geologic section interpreted from seismic-refraction data for Rockingham, e-e'.

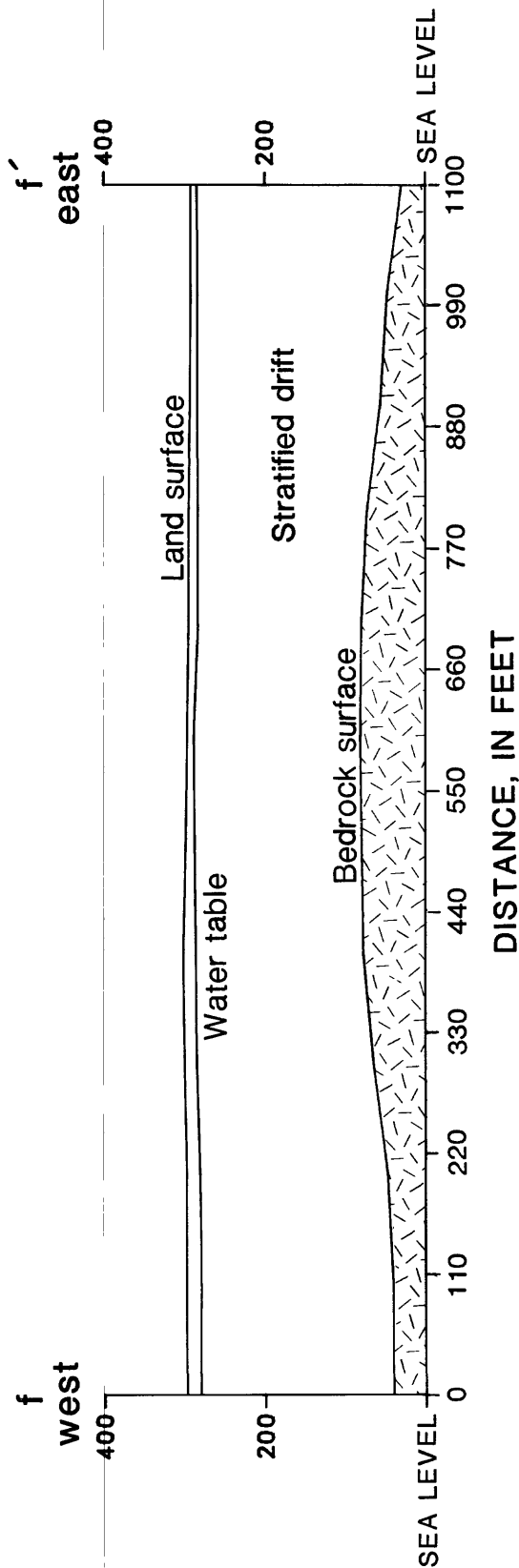
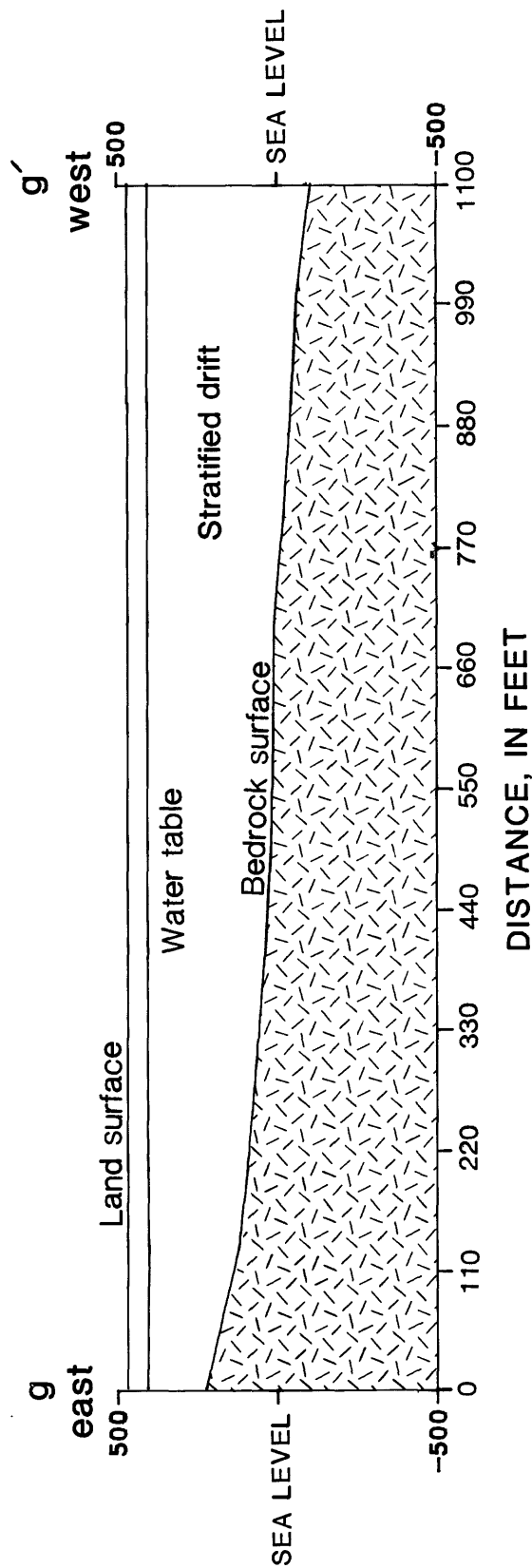
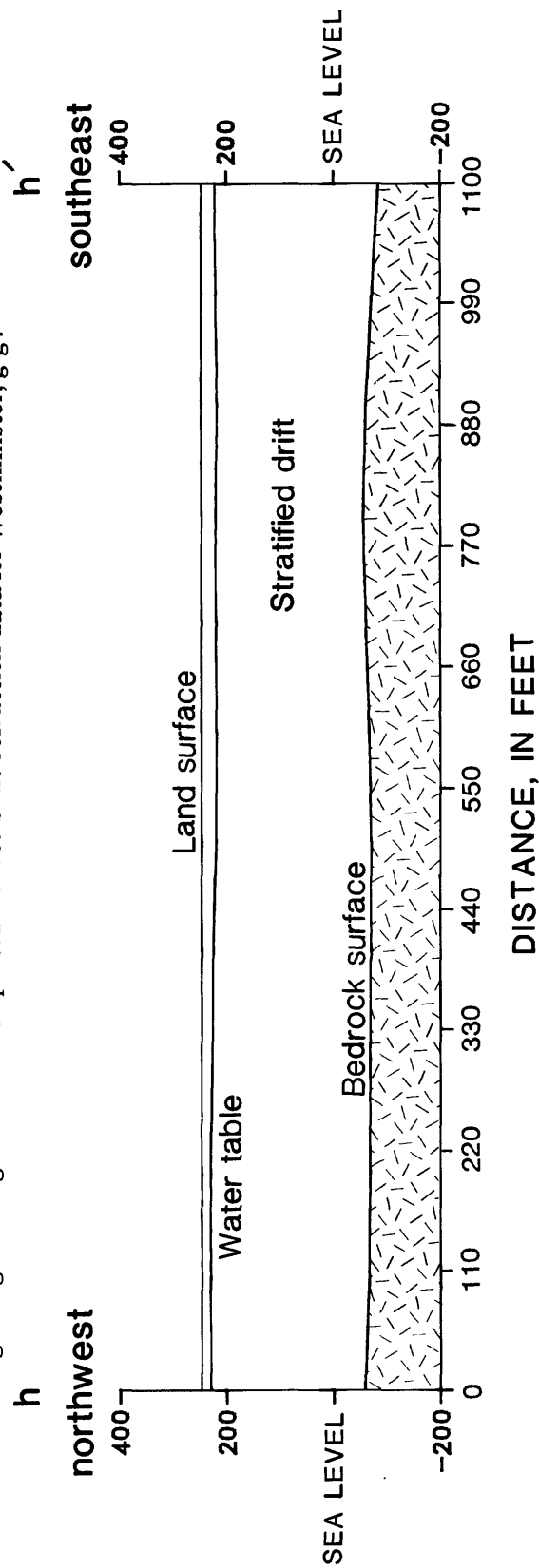


Figure 2f.--Geologic section interpreted from seismic-refraction data for Rockingham, f-f'.



VERTICAL EXAGGERATION x 0.3

Figure 2g.--Geologic section interpreted from seismic-refraction data for Westminster, g-g'.



VERTICAL EXAGGERATION x 0.5

Figure 2h.--Geologic section interpreted from seismic-refraction data for Westminster, h-h'.

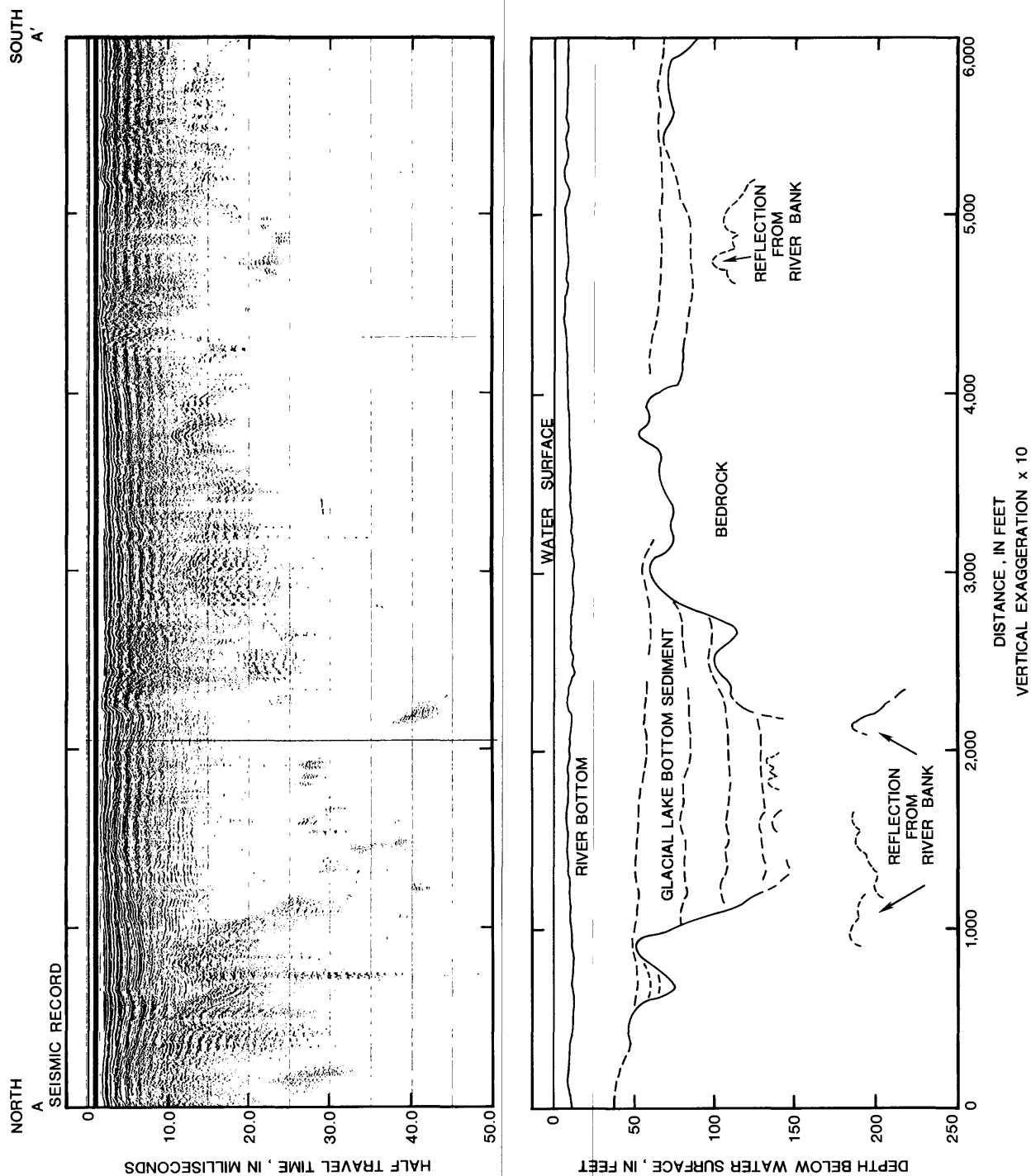


Figure 3a.--Geologic section interpreted from seismic-reflection data for Windsor, A-A'.

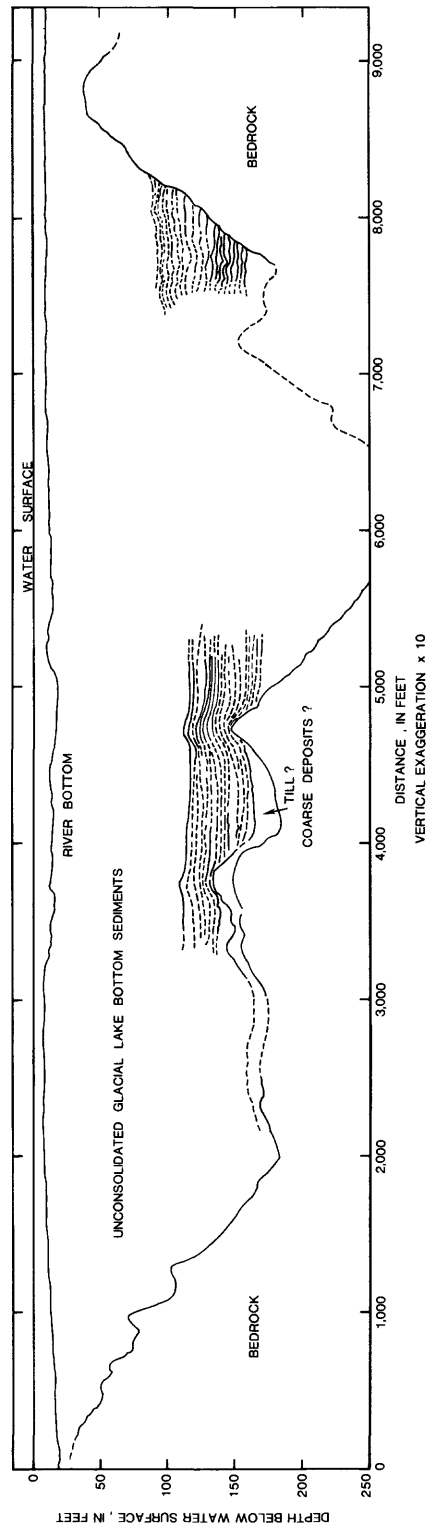
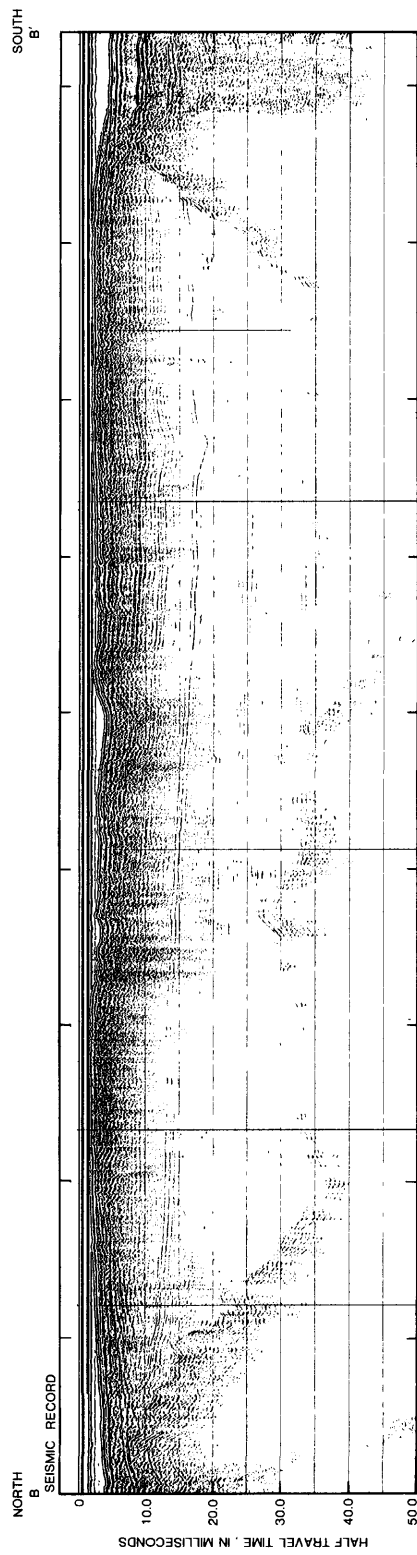


Figure 3b.--Geologic section interpreted from seismic-reflection data for Weathersfield Bow, B-B'.

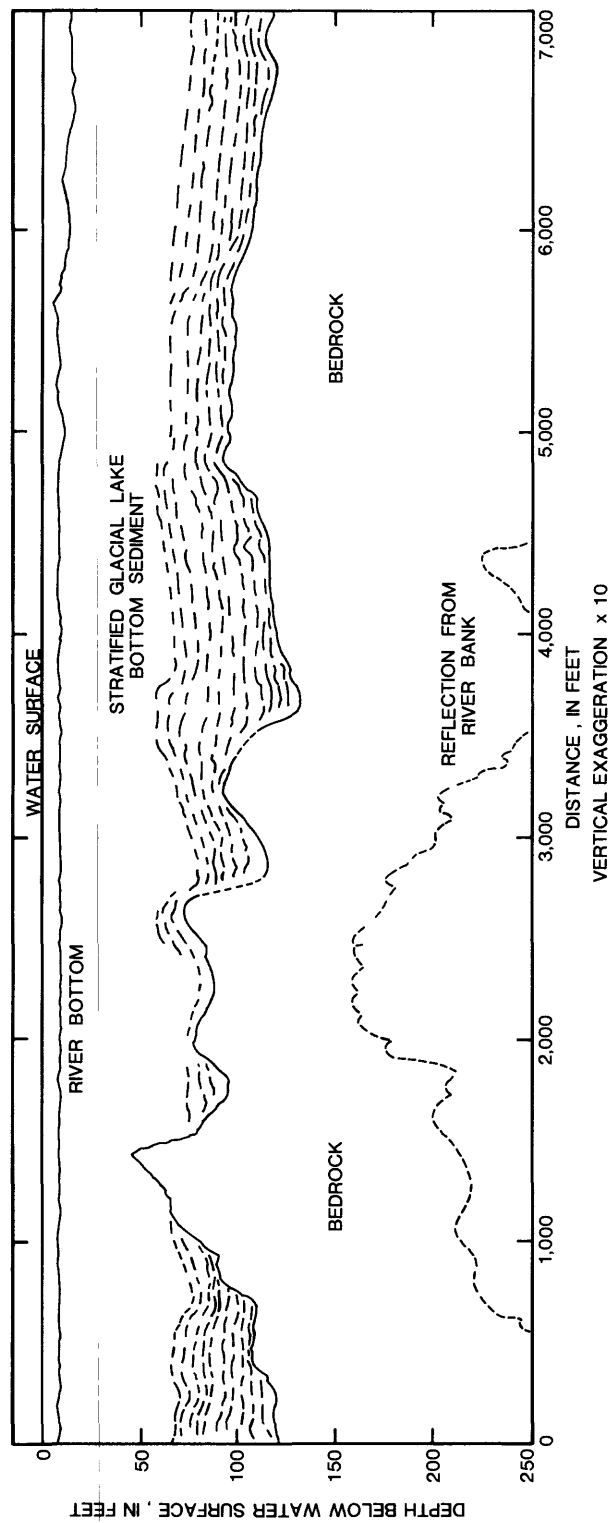
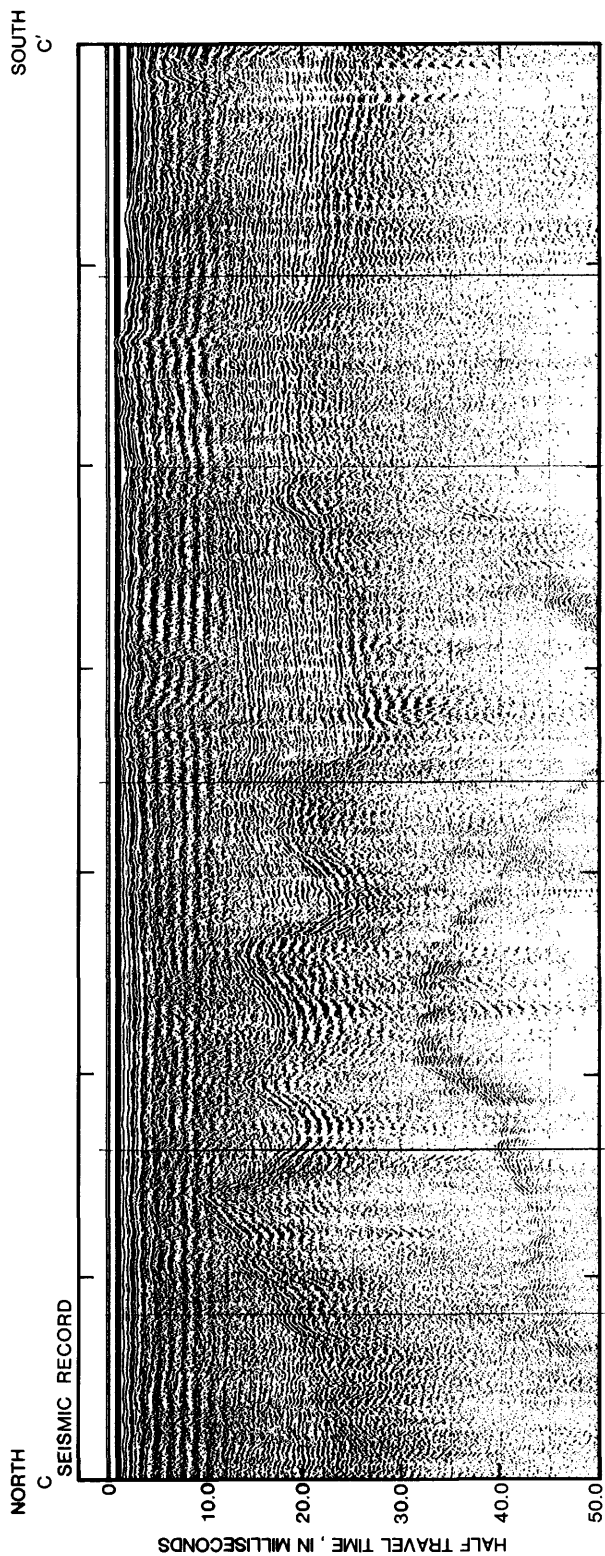


Figure 3c.--Geologic section interpreted from seismic-reflection data for Westminister, C-C'.

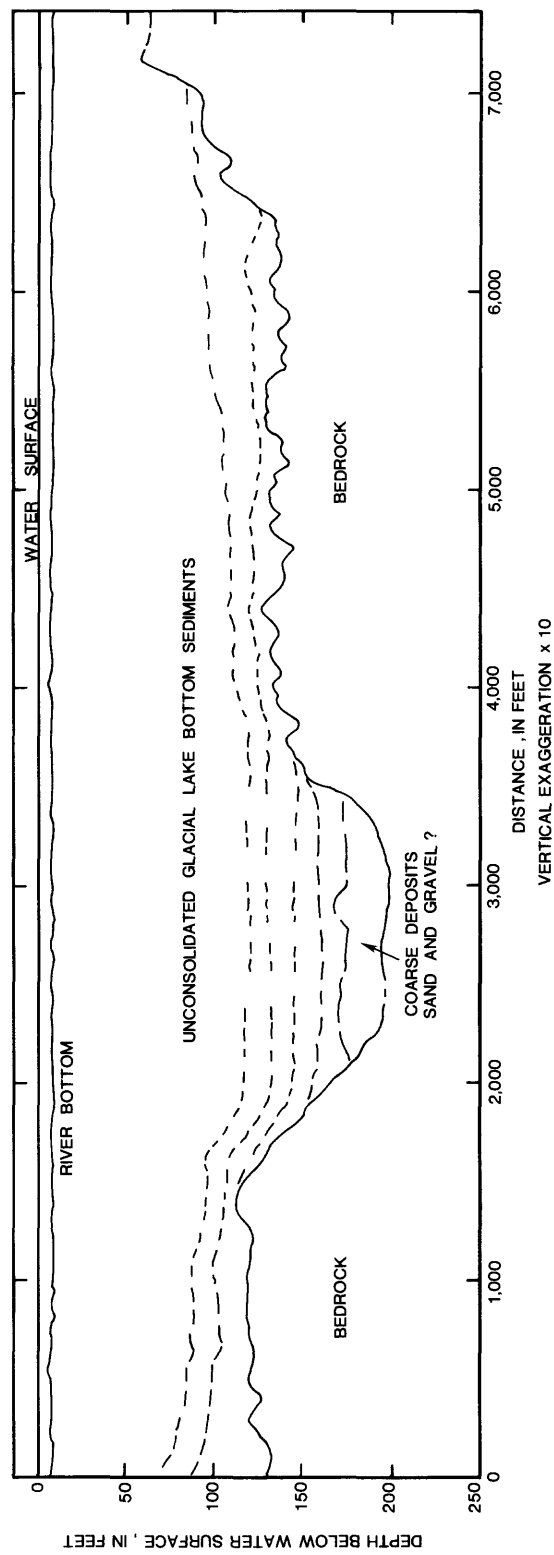
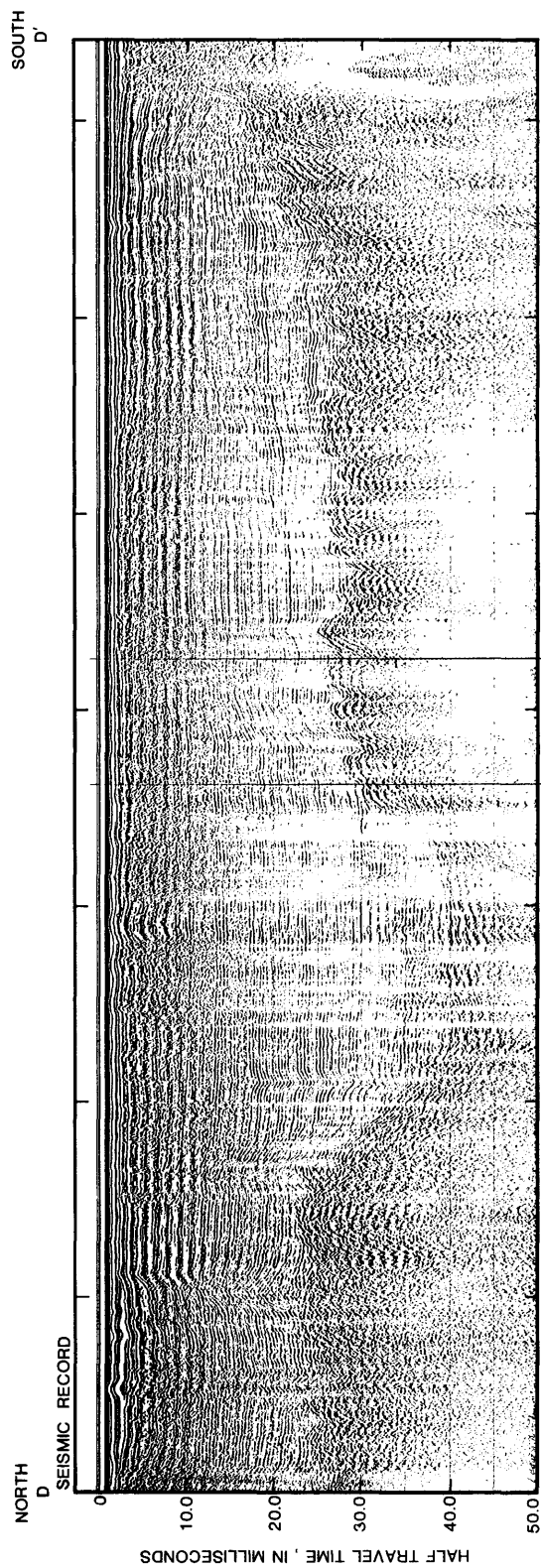


Figure 3d.--Geologic section interpreted from seismic-reflection data for Vernon, D-D'.

Table 2.--Description of selected wells and borings

Local number: First two characters indicate USGS town code. Third character indicates--W, well or test well; X, miscellaneous test boring.

Site ID: First thirteen digits indicate site-identification number. Last two digits indicate the sequential number of a well in a one-second grid.

Elevation: Elevations are expressed in feet above sea level.

Other ID: Other identifier as given by reporting agency.

Assignor of other ID: VT ANR DEC, Vermont Agency of Natural Resources, Department of Environmental Conservation; CWA INC., Clarence Welti Associates, Inc.; GREEN INT. INC., Green International, Inc.

Primary use of site: O, observation; T, test; U, unused; W, withdrawal.

Primary use of water: A, air-conditioning; C, commercial; H, domestic; I, irrigation; N, industrial; P, public supply; U, unused.

Water level: In feet below land-surface datum.

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

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

Bottom of casing: Depth to bottom of casing in feet below land-surface datum.

Site Type: W, well; X, test hole.

Data reliability: C, location field-checked by USGS personnel; U, location not field-checked but considered reliable by USGS personnel.

Table 2.--Description of selected wells and borings

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
Town of Brattleboro							
BTW 1	425202072340301	240	BRATTLEBORO, TOWN OF	--	--	W	P
BTW 5	425201072340301	230	BRATTLEBORO, TOWN OF	--	--	W	P
BTW 101	425314072332601	300	STEAK-OUT RESTAURANT	WR 46	VT ANR DEC	W	N
BTW 102	425237072333601	310	ERNSSTROM, JOHN	WR 59	VT ANR DEC	W	H
BTW 103	425257072334601	290	MCDONALDS RESTAURANT	WR 74	VT ANR DEC	W	C
BTW 104	425309072331401	260	AMER. OPTICAL(NOW FLUFLUX)	WR 144	VT ANR DEC	W	N
BTW 105	425244072343501	260	CTRL. VT PUBLIC SERVICE	WR 164	VT ANR DEC	W	N
BTW 106	425241072334701	280	HAIR AFFAIR, INC	WR 202	VT ANR DEC	W	C
BTW 107	424956072333201	370	THURBER, KENNETH	WR 211	VT ANR DEC	W	H
BTW 108	425332072330101	350	PRECISION TECHNIQUES	WR 222	VT ANR DEC	W	N
BTW 109	425232072333401	290	GENES CARPET BARN	WR 236	VT ANR DEC	W	A
BTW 110	425050072335201	380	PEMSUTEL, AL	WR 251	VT ANR DEC	W	H
BTW 111	425144072333001	310	LONDON, WAYNE	WR 252	VT ANR DEC	W	H
BTW 112	425202072340101	230	BRATTLEBORO, TOWN OF	BTW 6	POUNDSTONE	W	P
BTX 1	425055072344501	360	--	72	VT ANR DEC	Z	U
BTX 2	425229072341501	220	--	73#2	VT ANR DEC	Z	U
BTX 3	425226072341901	230	--	73#3	VT ANR DEC	Z	U
BTX 4	425310072333401	320	--	75	VT ANR DEC	Z	U
BTX 5	425305072332601	290	--	131	VT ANR DEC	Z	U
BTX 6	425303072332701	290	--	290	VT ANR DEC	Z	U
BTX 7	425343072321201	240	STUB INC, BRATTLEBORO LANDFILL	TEST WELL 1	LANCELOT PHELPS	T	U
BTX 8	425339072321301	240	STUB INC, BRATTLEBORO LANDFILL	TEST WELL 2	LANCELOT-PHELPS	T	U
BTX 9	425334072321601	240	STUB INC, BRATTLEBORO LANDFILL	TEST WELL 3	LANCELOT-PHELPS	T	U
BTX 10	425334072321901	290	STUB INC, BRATTLEBORO LANDFILL	TEST WELL 4	LANCELOT-PHELPS	T	U
BTX 11	425329072322501	280	STUB INC, BRATTLEBORO LANDFILL	OBS WELL 5	SOILS ENGINEERI	T	U
BTX 12	425335072323401	320	STUB INC, BRATTLEBORO LANDFILL	OBS WELL 6	SOILS ENGINEERI	T	U
BTX 13	425256072334501	290	--	74	VT ANR DEC	Z	U
Town of Dummerston							
DWW 100	425547072321601	390	--	WR 12	VT ANR DEC	W	H
DWW 101	425548072321801	390	PERRY, FRED	WR 13	VT ANR DEC	W	H
DWW 102	425531072322001	370	RAND, JAMES	WR 21	VT ANR DEC	W	H
DWW 103	425519072320701	--	AMBERLANTERN RESTAURANT	--	--	W	H
DWW 104	425544072320901	390	WILLARD, RICHARD	WR 36	VT ANR DEC	W	H
DWW 105	425540072321401	390	WILLARD, KOA CAMP	WR 73	VT ANR DEC	W	H
DWW 106	425502072321701	430	SHORT, HOWARD	WR 20	VT ANR DEC	W	H
DWW 107	425737072312701	--	GRN MTN WELL	WR 57	VT ANR DEC	W	H
DWW 108	425755072312901	330	BOBS INTERSTATE SUNOCO	WR 95	VT ANR DEC	W	H
DWW 109	425521072320301	350	BROOKES, WALTER	WR 88	VT ANR DEC	W	H
DWW 110	425639072320901	320	RANNEY, GEORGE	WR 104	VT ANR DEC	W	H

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE (GALLONS PER MINUTE)	DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)	CONTRACTOR	TYPE OF SITE	DATA RELI- ABILITY
Town of Brattleboro										
BTW 1	4	- -65	30	30	465	- -65	22	TWIN STATE	W	C
BTW 5	--	--	30	25	--	01-09-66	--	--	W	U
BTW 101	25	08-24-73	385	385	5	08-24-73	167	CUSHING&SONS	W	C
BTW 102	--	--	500	500	1	02-11-73	66	STAVENS	W	C
BTW 103	50	06-10-74	400	400	10	06-10-74	100	WRAGG BROS	W	C
BTW 104	30	06-18-79	475	475	4	06-18-79	145	CONTOOCOOK	W	C
BTW 105	--	--	47	47	10	06-29-81	47	NORTH EAST	W	C
BTW 106	--	--	205	205	19	06-03-83	120	NORTH WELL	W	C
BTW 107	1	06-15-83	200	200	4	06-15-83	31	CUSHING&SONS	W	C
BTW 108	70	04-20-84	500	500	18	04-20-84	159	CUSHING&SONS	W	C
BTW 109	--	--	580	580	10	08-14-84	580	GRN MTN WELL	W	C
BTW 110	--	--	437	437	.66	05-18-85	137	GRN MTN WELL	W	C
BTW 111	--	--	120	120	26	06-06-85	119	GRN MTN WELL	W	C
BTW 112	5.1	02-17-78	36.5	36.5	805	02-17-78	--	R E CHAPMAN	W	C
BTX 1	--	--	44	--	--	--	--	--	X	C
BTX 2	--	--	39	--	--	--	--	--	X	C
BTX 3	--	--	70	--	--	--	--	--	X	C
BTX 4	--	--	70	--	--	--	--	--	X	C
BTX 5	--	--	52	--	--	--	--	--	X	C
BTX 6	--	--	52	--	--	--	--	--	X	C
BTX 7	22.5	04- -79	55	55	--	04- -79	--	--	W	C
BTX 8	18.5	04- -79	80	80	--	04- -79	--	--	W	C
BTX 9	25.5	04- -79	40	40	--	04- -79	--	--	W	C
BTX 10	--	04- -79	120	120	--	04- -79	--	--	W	C
BTX 11	--	--	88	88	--	03-05-81	--	--	W	C
BTX 12	--	--	123	123	--	03-05-81	--	--	W	C
BTX 13	--	--	70	--	--	--	--	--	X	C
Town of Dummerston										
DWW 100	--	--	540	540	--	04-15-68	53	GRN MTN WELL	W	C
DWW 101	35	04-17-68	445	445	.5	04-17-68	59	GRN MTN WELL	W	C
DWW 102	30	07-23-69	42	42	15	07-23-69	--	GRN MTN WELL	W	C
DWW 103	106	04-08-69	545	545	1.5	04-08-69	125	GRN MTN WELL	W	U
DWW 104	30	02-11-71	400	400	1	02-11-71	39	STAVENS	W	C
DWW 105	120	08-11-72	195	195	15	08-11-72	133	GRN MTN WELL	W	C
DWW 106	50	09-05-69	320	320	.5	09-05-69	29	GRN MTN WELL	W	C
DWW 107	--	--	675	675	1.5	04-21-71	38	GRN MTN WELL	W	U
DWW 108	10	06-24-74	300	300	8	06-24-74	38	GRN MTN WELL	W	C
DWW 109	50	02-14-74	345	345	.5	02-14-74	106	GRN MTN WELL	W	C
DWW 110	87	08-14-75	700	700	.5	08-14-75	219	CUSHING&SONS	W	C

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
DWW 111	425533072321801	370	--	WR 186	VT ANR DEC	W	H
DWW 112	425457072321401	410	HIDDEN ACRES CAMPGROUND	WR 283	VT ANR DEC	W	H
DWW 113	425745072313001	260	LAKE, BRUCE	WR 285	VT ANR DEC	W	H
DWW 114	425353072321601	350	ALLARD, ROBERT	WR 34	VT ANR DEC	W	H
DWW 115	425510072321801	420	CHARETTE, GIL	WR 155	VT ANR DEC	W	P
DWX 1	425603072430101	220	--	76	VT ANR DEC	Z	-
DWX 2	425644072315801	230	--	77	VT ANR DEC	Z	-

Town of Putney

PUW 3	425823072304901	340	GERMON, HAROLD	WR 14	VT ANR DEC	W	P
PUW 100	430040072274701	410	COOKE, BEVERLY	WR 20	VT ANR DEC	W	H
PUW 101	430039072275801	470	BOYD, GENE	WR 35	VT ANR DEC	W	H
PUW 102	430044072272701	300	WILSON, FRANK	WR 39	VT ANR DEC	W	H
PUW 103	430109072281101	530	READE, B E	WR 65	VT ANR DEC	W	H
PUW 104	430035072275701	480	KING, STEVEN	WR 114	VT ANR DEC	W	H
PUW 105	430030072275901	510	KING, STEVEN	WR 115	VT ANR DEC	W	H
PUW 106	430028072275601	510	KING, STEVEN	WR 116	VT ANR DEC	W	H
PUW 107	430100072273701	320	ROBERTS, E J	WR 202	VT ANR DEC	W	H
PUW 108	430037072273201	360	PHELPS, HENRY	WR 208	VT ANR DEC	W	H
PUW 109	430058072273501	300	FAHNER, THOMAS	WR 256	VT ANR DEC	W	H
PUW 110	430035072275901	480	MEDVID, ALFONSE	WR 282	VT ANR DEC	W	H
PUW 111	430034072273101	280	KLEIN, JOHN	WR 350	VT ANR DEC	W	H
PUW 112	430050072281301	550	GASSEE, EVERETT	WR 364	VT ANR DEC	W	H
PUW 114	425923072282601	320	WALKER, JAMES	WR 32	VT ANR DEC	W	H
PUW 116	425753072311201	260	PUTNEY INN, INC	WR 75	VT ANR DEC	W	H
PUW 117	425843072283501	310	WILLIAMS, JOHN	WR 88	VT ANR DEC	W	H
PUW 118	425805072312101	360	MOBIL OIL CO.	WR 96	VT ANR DEC	W	H
PUW 119	425852072280201	290	FRANKLIN, RUSSEL	WR 138	VT ANR DEC	W	H
PUW 120	425848072283701	320	HALE, HURL	WR 142	VT ANR DEC	W	H
PUW 121	425848072282601	310	SCHULTZ, ALLEN	WR 276	VT ANR DEC	W	H
PUW 122	425808072303401	310	WILSON, GREGORY	WR 309	VT ANR DEC	W	H
PUW 123	425828072285801	290	VIVION, ROBERT	WR 337	VT ANR DEC	W	H
PUW 124	425838072311801	420	CROCKER, RICHARD	PUW 1	VT ANR DEC	W	H
PUX 1	425755072305701	220	--	78	VT ANR DEC	Z	-
PUX 2	425813072293101	270	--	79	VT ANR DEC	Z	-
PUX 3	425926072284201	290	--	80	VT ANR DEC	Z	-

Town of Rockingham

RKW 5	430804072264702	330	BELLOWS FALLS	--	--	W	U
RKW 7	431100072270001	300	--	--	--	W	H
RKW 100	431327072263401	480	GIBSON, CLARENCE	WR 4	VT ANR DEC	W	H
RKW 101	431003072273001	440	EDWARDS, ARTHUR	WR 5	VT ANR DEC	W	H

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE		DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE		DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)		TYPE OF SITE	DATA RELI- ABILITY
		WATER LEVEL MEASURED				(GALLONS PER MINUTE)				CONTRACTOR		
DWW 111	--	--		247	247	--		01-20-81	--	--	W	C
DWW 112	--	--		500	500	4.4		05-23-86	--	--	W	C
DWW 113	--	--		340	340	1.09		06-02-86	--	--	W	C
DWW 114	--	--		390	390	25		08-12-71	120	GRN MTN WELL	W	C
DWW 115	--	--		485	485	1		09-26-78	16	NORTH EAST	W	C
DWX 1	--	--		62	--	--		--	--	--	X	C
DWX 2	--	--		50	--	--		--	--	--	X	C
Town of Putney												
PUW 3	33	09-09-68		140	140	25		09-09-68	--	GRN MTN WELL	W	C
PUW 100	12	07-03-69		41	41	20		07-03-69	41	GRN MTN WELL	W	C
PUW 101	15	09-21-70		370	370	.3		09-21-70	66	GRN MTN WELL	W	C
PUW 102	35	01-21-71		121	121	20		01-21-71	120	GRN MTN WELL	W	C
PUW 103	18	08-29-69		130	130	5		08-29-69	52	K BEEBE	W	C
PUW 104	--	--		445	445	.5		04-10-74	73	GRN MTN WELL	W	C
PUW 105	10	05-07-74		495	495	.5		05-07-74	69	GRN MTN WELL	W	C
PUW 106	40	05-13-74		740	740	.33		05-13-74	88.7	GRN MTN WELL	W	C
PUW 107	160	06-19-81		600	600	1.2		06-19-81	51	CUSHING&SONS	W	C
PUW 108	--	--		497	497	.5		01-02-81	86	GRN MTN WELL	W	C
PUW 109	--	--		375	375	1.5		12-01-82	43.5	NORTH EAST	W	C
PUW 110	--	--		72	72	20		12-09-83	72	GRN MTN WELL	W	C
PUW 111	--	--		280	280	8		12-26-85	59	GRN MTN WELL	W	C
PUW 112	20	05-28-86		340	340	1.4		05-28-86	39	GRN MTN WELL	W	C
PUW 114	50	07-30-70		108	108	12		07-30-70	107	GRN MTN WELL	W	C
PUW 116	--	--		395	395	7		10-19-71	71	GRN MTN WELL	W	C
PUW 117	60	08-18-72		727	727	15		08-18-72	169	JASWELL& SON	W	C
PUW 118	70	08-30-73		761	761	.75		08-30-73	107	CUSHING&SONS	W	C
PUW 119	--	--		170	170	8		04-18-75	169	GRN MTN WELL	W	C
PUW 120	50	03-29-76		160	160	20		03-29-76	159	CUSHING&SONS	W	C
PUW 121	50	03-29-76		267	267	100		10-03-83	--	GRN MTN WELL	W	C
PUW 122	--	--		508	508	2.35		08-16-84	193	GRN MTN WELL	W	C
PUW 123	--	--		229	229	10		04-04-85	63	GRN MTN WELL	W	C
PUW 124	--	--		129	129	20		07-10-64	129	GRN MTN WELL	W	C
PUX 1	--	--		50	--	--		--	--	--	X	C
PUX 2	--	--		80	--	--		--	--	--	X	C
PUX 3	--	--		15	--	--		--	--	--	X	C
Town of Rockingham												
RKW 5	30	05-09-68		60	60	500		--	60	GRN MTN WELL	W	C
RKW 7	85	- -66		215	215	--		- -66	--	--	W	C
RKW 100	149	11-01-66		300	300	8.5		11-01-66	168	K BEEBE	W	C
RKW 101	147	08-19-66		496	496	2.5		08-19-66	167	CARLSON LUND	W	C

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
RKW 102	431100072272901	320	CLARK, FRANCAIS	WR 29	VT ANR DEC	W	H
RKW 103	431223072003201	380	GRAY, FRED	WR 64	VT ANR DEC	W	H
RKW 104	431118072270201	320	LANCOUR, ARTHUR	WR 84	VT ANR DEC	W	H
RKW 105	431325072270801	500	TEDESCO, MICHAEL	WR 87	VT ANR DEC	W	H
RKW 106	431005072273001	440	DELIVERANCE REVIVAL TABERNACLE	WR 132	VT ANR DEC	W	H
RKW 107	431211072270201	340	GITHENS, ALFRED	WR 147	VT ANR DEC	W	H
RKW 108	431336072261601	340	DANFORTH, ALBERT	WR 157	VT ANR DEC	W	H
RKW 109	430947072271501	300	STEAMTOWN, INC.	WR 205	VT ANR DEC	W	H
RKW 110	431102072270701	310	THOMAS, CAL	WR 244	VT ANR DEC	W	H
RKW 111	431246072270201	480	BINGHAM, LEONARD	WR 257	VT ANR DEC	W	H
RKW 112	431120072270101	330	LORENZETTI, L A	WR 290	VT ANR DEC	W	H
RKW 113	430804072264701	320	SMITH, LORING	WR 303	VT ANR DEC	W	C
RKX 1	431333072263301	470	BFI LANDFILL	OW 1	CWA INC.	T	U
RKX 2	431059072275001	300	BFI LANDFILL	42	VT ANR DEC	Z	-
RKX 3	431332072262701	470	BFI LANDFILL	OW 3	CWA INC.	T	U
RKX 4	431335072262901	470	BFI LANDFILL	OW 4	CWA INC.	T	U
RKX 5	431335072262301	470	BFI LANDFILL	OW 5	CWA INC.	T	U
RKX 6	431335072262302	470	BFI LANDFILL	OW 6	CWA INC.	T	U
RKX 7	431334072262701	470	BFI LANDFILL	OW 7	CWA INC.	T	U
RKX 8	431339072262601	470	BFI LANDFILL	OW 8	CWA INC.	T	U
RKX 9	431339072262602	470	BFI LANDFILL	OW 9	CWA INC.	T	U
RKX 10	431337072262201	470	BFI LANDFILL	OW 10	CWA INC.	T	U
RKX 11	431337072262202	470	BFI LANDFILL	OW 11	CWA INC.	T	U
RKX 12	431341072262001	470	BFI LANDFILL	OW 12A	CWA INC.	T	U
RKX 13	431336072262501	470	BFI LANDFILL	OW 13	CWA INC.	T	U
RKX 14	431335072262902	470	BFI LANDFILL	OW 14	CWA INC.	T	U
RKX 15	431335072262903	470	BFI LANDFILL	OW 15	CWA INC.	T	U
RKX 16	431335072262904	470	BFI LANDFILL	OW 16	CWA INC.	T	U
RKX 17	431335072262905	470	BFI LANDFILL	OW 17	CWA INC.	T	U
RKX 18	431342072262401	470	BFI LANDFILL	OW 18	CWA INC.	T	U
RKX 19	431339072262603	470	BFI LANDFILL	OW 19	CWA INC.	T	U
RKX 20	431332072263001	460	BFI LANDFILL	OW 2	CWA INC.	T	U
Town of Springfield							
STW 102	431857072241001	320	CLARK, JOHN	WR 38	VT ANR DEC	W	H
STW 103	431842072240001	350	WEBSTER, HOWARD	WR 40	VT ANR DEC	W	H
STW 104	431909072245201	680	VAN STEINBERG, ROBERT	WR 47	VT ANR DEC	W	H
STW 105	431849072241101	410	HRONEK, F	WR 71	VT ANR DEC	W	H
STW 106	431859072241701	430	FENTON, MERRILL	WR 101	VT ANR DEC	W	H
STW 107	431550072262001	300	MANNING, KENNETH	WR 102	VT ANR DEC	W	H
STW 108	431712072245201	320	BUCKMAN, EARL	WR 154	VT ANR DEC	W	H
STW 109	431612072265401	310	EUREKA SCHOOL INFO. CENTER	WR 180	VT ANR DEC	W	H

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE (GALLONS PER MINUTE)	DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)	CONTRACTOR	TYPE OF SITE	DATA RELI- ABILITY
RKW 102	34	03-12-70	125	125	9	03-12-70	77	K BEEBE	W	C
RKW 103	--	--	154	154	18	09-20-67	154	GRN MTN WELL	W	C
RKW 104	25	08-29-72	160	160	5	08-29-72	49	K BEEBE	W	C
RKW 105	98	11-28-72	237	237	1	11-28-72	73	K BEEBE	W	C
RKW 106	106	07-21-75	136	136	20	07-21-75	119	GRN MTN WELL	W	C
RKW 107	31	04-08-77	75	75	40	04-08-77	41	K BEEBE	W	C
RKW 108	100	09-18-77	153	153	30	09-18-77	128	RABTOY	W	C
RKW 109	--	--	240	240	49	08-05-78	235	GRN MTN WELL	W	C
RKW 110	--	--	98	98	8	11-19-81	92	GRN MTN WELL	W	C
RKW 111	--	--	350	350	1	12-01-82	75	ALLEN WELL	W	C
RKW 112	32	03-28-85	125	125	4	03-25-85	34	RABTOY	W	C
RKW 113	--	--	80	80	100	01-30-86	79	GRN MTN WELL	W	C
RKX 1	22.5	01-08-80	27.0	--	--	01-08-80	--	--	X	C
RKX 2	--	--	30	--	--	--	--	--	X	C
RKX 3	17.0	01-08-80	22.0	--	--	01-08-80	--	--	X	C
RKX 4	--	01-08-80	32	--	--	01-08-80	--	--	X	C
RKX 5	41	01-08-80	47	--	--	01-08-80	--	--	X	C
RKX 6	20	01-08-80	26.5	--	--	01-08-80	--	--	X	C
RKX 7	70	01-09-80	77	--	--	01-09-80	--	--	X	C
RKX 8	--	--	28	--	--	01-10-80	--	--	X	C
RKX 9	--	--	71.5	--	--	01-07-80	--	--	X	C
RKX 10	60	01-07-80	66.5	--	--	01-07-80	--	--	X	C
RKX 11	35	01-07-80	41.5	--	--	01-07-80	--	--	X	C
RKX 12	55.5	01-07-80	56.5	--	--	01-07-80	--	--	X	C
RKX 13	59.0	01-08-80	66.6	--	--	01-08-80	--	--	X	C
RKX 14	--	--	73.5	--	--	01-08-80	--	--	X	C
RKX 15	--	--	80.5	--	--	03-01-82	--	--	X	C
RKX 16	--	--	44.0	--	--	03-02-82	--	--	X	C
RKX 17	56.0	03-02-82	65.5	--	--	03-02-82	--	--	X	C
RKX 18	--	--	90.0	--	--	03- -82	--	--	X	C
RKX 19	--	--	90.0	--	--	03- -82	--	--	X	C
RKX 20	20	01-08-80	27	--	--	01-08-80	--	--	X	C
Town of Springfield										
STW 102	20	04-01-68	530	530	.25	04-01-68	30	CARLSON LUND	W	C
STW 103	20	08-28-68	271	271	.5	08-28-68	39	CARLSON LUND	W	C
STW 104	--	--	80	80	4	06-04-70	29	STAVENS	W	C
STW 105	20	06-17-70	500	500	.75	06-17-70	37	HERRICK	W	C
STW 106	37	12-02-71	206	206	3.5	12-02-71	30	K BEEBE	W	C
STW 107	--	--	120	120	10	11-19-71	21	GRN MTN WELL	W	C
STW 108	15	11-27-74	100	100	15	11-27-74	59	CUSHING&SONS	W	C
STW 109	--	--	243	243	6	10-26-76	95	CARLSON LUND	W	C

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
STW 110	431617072250501	350	PETIPAS, JOHN	WR 220	VT ANR DEC	W	H
STW 111	431609072251001	390	PERILLO, TONY	WR 289	VT ANR DEC	W	H
STW 112	431854072241201	320	FENTON, RICHARD	WR 298	VT ANR DEC	W	H
STW 113	431724072245501	410	BERGAMO, PETER	WR 302	VT ANR DEC	W	H
STW 114	431729072245301	370	FAGAN, ROBERT	WR 321	VT ANR DEC	W	H
STW 115	431744072243801	340	KARBVONEN, TAUNO	WR 330	VT ANR DEC	W	H
STW 116	431945072244001	350	JACOBS, RICHARD	WR 331	VT ANR DEC	W	H
STW 117	431928072245001	640	SCOTT, DAVID	WR 350	VT ANR DEC	W	H
STW 118	431606072250801	320	KLIMECK, ALEXANDER	WR 351	VT ANR DEC	W	H
STW 119	431923072242301	320	KAGNAS, MICHAEL	--	--	W	H
STW 120	431751072241801	320	STACK, JAMES	--	--	W	H
STX 1	431540072260901	--	--	43	VT ANR DEC	Z	-
STX 2	431552072260101	300	--	44	VT ANR DEC	Z	-
STX 3	431558072264001	290	--	311 WEST	VT ANR DEC	Z	-
Town of Vernon							
VNW 2	424542072312601	350	HARGER, BERT	--	--	W	H
VNW 100	424545072302901	300	VERNON GREEN NURSING HOME	WR 13	VT ANR DEC	W	C
VNW 101	424650072312401	260	CERSOSIMO, ANTHONY	WR 1	VT ANR DEC	W	H
VNW 102	424602072295701	260	SMEAD LUMBER	WR 3	VT ANR DEC	W	H
VNW 103	424542072312601	270	GRAY, DOUGLAS	WR 12	VT ANR DEC	W	H
VNW 104	424656072313001	260	PAUL MILLER FARM	WR 15	VT ANR DEC	W	H
VNW 105	424532072290301	260	CERSOSIMO LUMBER CO	WR 39	VT ANR DEC	W	H
VNW 106	424614072311301	260	MILLER, EVERETT	WR 53	VT ANR DEC	W	H
VNW 107	424722072315801	310	TALL OAK ESTATES	WR 70	VT ANR DEC	W	H
VNW 108	424721072315601	310	TALL OAK ESTATES	WR 71	VT ANR DEC	W	P
VNW 109	424542072305801	290	SALERNO, ALDO	WR 110	VT ANR DEC	W	H
VNW 110	424608072310701	300	CLARK, RAYMOND	WR 118	VT ANR DEC	W	H
VNW 111	424621072305801	260	NEW ENGLAND POWER	WR 135	VT ANR DEC	W	I
VNW 112	424555072310301	300	THOMAS, DICK	WR 147	VT ANR DEC	W	H
VNW 113	424907072325701	240	AMSDEN, ED	WR 155	VT ANR DEC	W	H
VNW 114	424540072310201	260	CLASS, ED	WR 198	VT ANR DEC	W	H
VNW 115	424603072310601	220	KOEHLER, MARY E	WR 258	VT ANR DEC	W	H
VNW 116	424633072310001	260	ZALUZNEY, WALT	WR 262	VT ANR DEC	W	H
Town of Weathersfield							
WMW 100	432457072242001	410	STATE HWY DEPT	WR 5	VT ANR DEC	W	H
WMW 101	432523072240701	350	CHABOT, LOUIS	WR 14	VT ANR DEC	W	H
WMW 102	432430072244601	430	ASCUTNEY CEMENTARY	WR 15	VT ANR DEC	W	H
WMW 103	432120072234501	310	DANA, RONALD	WR 16	VT ANR DEC	W	H
WMW 104	432512072242301	440	CHABOT, LOUIS	WR 27	VT ANR DEC	W	H
WMW 105	432512072242302	440	CHABOT, LOUIS	WR 28	VT ANR DEC	W	H
WMW 106	432450072242401	410	WHITE, ROBERT	WR 35	VT ANR DEC	W	H
WMW 107	432355072244101	450	OSGOOD, RALPH	WR 40	VT ANR DEC	W	H

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE (GALLONS PER MINUTE)	DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)	CONTRACTOR	TYPE OF SITE	DATA RELI- ABILITY
STW 110	40	12-10-79	300	300	1.5	12-10-79	29	A&W ARTESIAN	W	C
STW 111	20	02-18-82	320	320	1.5	02-18-82	319	A&W ARTESIAN	S	C
STW 112	--	--	500	500	.25	10-06-83	48	ALLEN WELL	W	C
STW 113	--	--	400	400	1.75	02-27-84	29	CUSHING&SONS	W	C
STW 114	12	03-25-85	70	70	10.5	03-25-85	70	K BEEBE	W	C
STW 115	--	--	250	250	.33	05-24-85	75	ALLEN WELL	W	C
STW 116	--	--	400	400	1	05-08-85	79	ALLEN WELL	W	C
STW 117	--	--	500	500	.5	10-10-86	39	ALLEN WELL	W	C
STW 118	--	--	100	100	20	09-22-86	79	ALLEN WELL	W	C
STW 119	--	--	500	500	.5	12-02-86	18	ALLEN WELL	W	C
STW 120	--	--	220	214	--	01-07-87	--	GRN MTN WELL	W	C
STX 1	--	--	--	--	--	--	--	--	X	C
STX 2	--	--	52	--	--	--	--	--	X	C
STX 3	--	--	70	--	--	--	--	--	X	C
Town of Vernon										
VNW 2	--	--	134	134	75	05-13-61	134	GRN MTN WELL	W	U
VNW 100	35	06-29-70	710	710	5	06-29-70	45	TASKERS	W	U
VNW 101	40	09-28-66	175	175	6	09-28-66	140	STAVENS	W	C
VNW 102	40	11-21-66	345	345	1	11-21-66	30	GRN MTN WELL	W	C
VNW 103	--	--	300	300	0	08-03-70	92	STAVENS	W	C
VNW 104	--	--	48	48	20	10-20-70	48	GRN MTN WELL	W	C
VNW 105	--	--	155	155	30	10-08-73	50	A&W ARTESIAN	W	C
VNW 106	32	12-17-74	60	60	20	12-17-74	--	GRN MTN WELL	W	C
VNW 107	10	11-27-76	400	400	16	11-27-76	70	A&W ARTESIAN	W	C
VNW 108	--	--	400	400	12	12-14-76	40	A&W ARTESIAN	W	C
VNW 109	--	--	220	220	4	11-24-79	48	CUSHING&SONS	W	C
VNW 110	--	--	150	150	3.5	08-16-78	49	NORTH EAST	W	C
VNW 111	--	--	355	355	20	05-27-82	60	GRN MTN WELL	W	C
VNW 112	--	--	300	300	.66	05-19-81	20	CUSHING&SONS	W	C
VNW 113	--	--	50	50	45	01-14-80	50	NORTH EAST	W	C
VNW 114	50	05-07-84	105	98	75	05-07-84	98	CUSHING&SONS	W	C
VNW 115	18	08-28-86	260	260	2	08-07-86	63	CUSHING&SONS	W	C
VNW 116	18	10-22-85	300	300	3	10-22-85	42	CUSHING&SONS	W	C
Town of Weathersfield										
WMW 100	75	11-29-66	299	299	--	11-29-66	77	H R HOYT	W	C
WMW 101	--	--	131	131	121	06-27-67	103	HERRICK	W	C
WMW 102	12	07-16-67	80	80	10	07-16-67	40	HERRICK	W	C
WMW 103	--	--	160	160	--	09-03-67	60	HERRICK	W	U
WMW 104	40	05-22-68	390	390	20	05-22-68	80	ER SULLIVAN	W	C
WMW 105	45	05-27-68	400	400	1.5	05-27-68	80	ER SULLIVAN	W	C
WMW 106	38	05-02-70	132	132	--	05-02-70	41	C&K WELL	W	C
WMW 107	--	--	100	100	--	09-15-70	20	ER SULLIVAN	W	C

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
WMW 108	432452072242401	420	BEGINI, MOSE	WR 47	VT ANR DEC	W	H
WMW 109	432226072245601	330	MACK, PAUL	WR 58	VT ANR DEC	W	H
WMW 110	432543072235801	350	CARTER MOBIL HOMES	WR 80	VT ANR DEC	W	H
WMW 111	432035072244301	380	CLARK, J	WR 81	VT ANR DEC	W	H
WMW 112	432348072244501	440	BURCH, ROBERT	WR 83	VT ANR DEC	W	H
WMW 113	432440072243401	440	ANGIE, HUBERT	WR 84	VT ANR DEC	W	H
WMW 114	432402072242001	370	CLEVELAND, LEON	WR 107	VT ANR DEC	W	H
WMW 115	432440072242901	410	FOSTER, ROBERT	WR 122	VT ANR DEC	W	H
WMW 116	432420072242001	390	KNIGHT, RALPH	WR 149	VT ANR DEC	W	H
WMW 117	432155072245801	340	SAUCIER, EARLE	WR 175	VT ANR DEC	W	H
WMW 118	432356072244301	460	GRANT, PAUL	WR 176	VT ANR DEC	W	H
WMW 119	432443072242201	410	JARVIS, VIC	WR 279	VT ANR DEC	W	H
WMW 120	432152072245801	340	LEGACE, FRANCES	WR 289	VT ANR DEC	W	H
WMW 121	432332072241801	340	VERMONT, STATE OF	--	--	W	P
WMW 122	432504072240301	350	SMITH, ROLAND	WR 202	VT ANR DEC	W	P
WMW 123	432500072240401	340	SMITH, ROLAND	WR 217	VT ANR DEC	W	P
Town of Westminster							
WSW 100	430358072283701	550	KURN HATTIN HOMES	WR 322	VT ANR DEC	W	C
WSW 101	430345072284501	450	KURN HATTIN HOMES	WR 323	VT ANR DEC	W	C
WSW 102	430508072262101	260	NOWERS, EDWARD	WR 2	VT ANR DEC	W	H
WSW 103	430720072271801	--	K BEEBE	WR 3	VT ANR DEC	W	H
WSW 104	430633072272001	470	MCCOY, ROGER	WR 12	VT ANR DEC	W	H
WSW 105	430146072280901	490	LAWRENCE, BERNARD	WR 14	VT ANR DEC	W	H
WSW 106	430331072280601	240	WESTMINSTER FARMS	WR 15	VT ANR DEC	W	H
WSW 107	430417072275501	310	SMITH, LUCY	WR 17	VT ANR DEC	W	H
WSW 108	430512072272501	--	LEONARDO, EARNEST	WR 24	VT ANR DEC	W	H
WSW 109	430509072271501	--	LONGE, PAUL	WR 28	VT ANR DEC	W	H
WSW 110	430533072263301	--	POMPEII, SORRENTI O	WR 36	VT ANR DEC	W	H
WSW 111	430551072262901	--	LAWLOR, JOE	WR 62	VT ANR DEC	W	H
WSW 112	430229072275501	290	WHITE, ARTHUR	WR 64	VT ANR DEC	W	H
WSW 113	430721072275101	390	BLAKE, JOHN	WR 84	VT ANR DEC	W	H
WSW 114	430557072263901	230	WARD BAKING CO	WR 111	VT ANR DEC	W	H
WSW 115	430143072280901	470	LAWRENCE, DANA	WR 114	VT ANR DEC	W	H
WSW 116	430226072275501	370	DORSEY, LEO	WR 117	VT ANR DEC	W	H
WSW 117	430705072272301	390	WHITCOMB, KENNETH	WR 125	VT ANR DEC	W	H
WSW 118	430251072281001	320	WHITE, MATHEW	WR 170	VT ANR DEC	W	H
WSW 119	430115072274601	320	ROUNDS, HENRY	WR 171	VT ANR DEC	W	H
WSW 120	430337072280401	320	JACOBSON, SIMON	WR 175	VT ANR DEC	W	H
WSW 121	430655072271601	310	WASKLEWICZ, JAMES	WR 13	VT ANR DEC	W	H

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE (GALLONS PER MINUTE)	DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)	CONTRACTOR	TYPE OF SITE	DATA RELI- ABILITY
WMW 108	20	02-12-71	135	135	7	02-12-71	52	C&K WELL	W	C
WMW 109	51	09-28-71	119	119	6	09-28-71	66	RABTOY	W	C
WMW 110	--	--	360	360	11	12-21-68	168	HERRICK	W	C
WMW 111	0	10-12-68	203	203	--	10-12-68	--	--	W	U
WMW 112	36	11-27-71	290	290	15	11-27-71	125	GRN MTN WELL	W	C
WMW 113	40	01-14-72	105	105	485	01-14-72	45	C&K WELL	W	C
WMW 114	70	03-14-73	472	472	1	03-14-73	42	OTTAUQUECHE	W	C
WMW 115	3	02-25-71	350	350	.75	02-25-74	30	VALLEY ARTES	W	C
WMW 116	32	10-09-76	130	130	3.5	10-09-76	40	HARTLAND	W	C
WMW 117	60	07-18-80	86	86	20	07-18-80	83	RABTOY	W	C
WMW 118	--	--	305	305	--	06- -80	75	A&W ARTESIAN	W	C
WMW 119	--	--	114	114	15	04-06-81	114	VALLEY ARTES	W	C
WMW 120	75	07-30-84	305	305	4	07-30-84	140	WRAGG BROS	W	C
WMW 121	40	04-03-64	223	223	10	04-03-64	138	JOHNSONS	W	C
WMW 122	38	08-02-78	88	88	10	08-02-78	88	VALLEY ARTES	W	C
WMW 123	--	--	90	90	450	11-02-79	--	--	W	C
Town of Westminster										
WSW 100	14	08-28-84	350	350	3.5	08-28-84	20	K BEEBE	W	U
WSW 101	--	--	60	60	30	10-15-84	--	K BEEBE	W	U
WSW 102	43	09-02-66	308	308	40	09-02-66	308	K BEEBE	W	C
WSW 103	92	04-26-66	262	262	20	04-26-66	10	K BEEBE	W	U
WSW 104	7	02-16-68	40	40	75	02-16-68	--	K BEEBE	W	C
WSW 105	7	04-24-68	162	162	2.5	04-24-68	10	K BEEBE	W	C
WSW 106	--	--	704	704	.25	04-24-68	275	CARLSON LUND	W	C
WSW 107	35	05-29-68	117	117	10	05-29-68	97	W BEER	W	C
WSW 108	135	02-19-70	170	170	11	02-19-70	165	K BEEBE	W	U
WSW 109	88	08-12-70	300	300	5	08-12-70	119	K BEEBE	W	U
WSW 110	200	08-04-70	415	415	30	08-04-70	--	GRN MTN WELL	W	C
WSW 111	375	11-17-72	745	745	.66	11-17-72	249	CUSHING&SONS	W	U
WSW 112	19	12-13-72	179	179	10	12-13-72	70	K BEEBE	W	C
WSW 113	125	12-26-73	478	478	2.5	12-26-73	50	CARLSON LUND	W	C
WSW 114	--	--	142	142	20	11-18-75	142	GRN MTN WELL	W	C
WSW 115	6	01-05-76	105	105	8	01-05-76	17	K BEEBE	W	C
WSW 116	19	06-30-76	229	229	6.5	06-30-76	50	K BEEBE	W	C
WSW 117	20	12-09-76	198	198	1.5	12-09-76	55	GRN MTN WELL	W	C
WSW 118	50	06-03-80	605	605	.25	06-03-80	163	CUSHING&SONS	W	C
WSW 119	87	06-01-80	200	200	3	06-01-80	79	CUSHING&SONS	W	C
WSW 120	--	--	100	100	39	02-09-79	100	GRN MTN WELL	W	C
WSW 121	31	06-05-68	188	188	15	06-05-68	45	K BEEBE	W	C

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	SITE-ID	ELEVATION OF LAND SURFACE (FEET)	OWNER	OTHER IDENTIFIER	ASSIGNOR OF OTHER IDENTIFIER	PRIMARY USE OF SITE	PRIMARY USE OF WATER
WSW 122	430711072272401	430	N. WESTMINSTER WATER CO-OP	WR 195	VT ANR DEC	W	P
WSW 123	430702072261301	330	SCHWANNS SALES INC.	WR 239	VT ANR DEC	W	H
WSW 124	430542072264301	240	GREEN MTN PRESS	WR 287	VT ANR DEC	W	I
WSW 125	430702072272201	370	ROMARO, ROMEY	WR 290	VT ANR DEC	W	H
WSW 126	430118072273901	300	SOLNS, SHARON	WR 292	VT ANR DEC	W	H
WSW 127	430633072263301	270	FROHMAN, DANIEL	WR 316	VT ANR DEC	W	H
WSW 128	430128072280701	490	BRANAN, CHARLES	WR 336	VT ANR DEC	W	H
WSX 1	430505072260701	260	VT AGENCY OF TRANSPORTATION	BSA 6801	VT AGEN OF TRAN	T	U
WSX 2	430726072263101	260	VT AGENCY OF TRANSPORTATION	BRS0113 B-19	VT AGEN OF TRAN	T	U
WSX 3	430724072262901	320	VT AGENCY OF TRANSPORTATION	BRS0113 B-2	VT AGEN OF TRAN	T	U
WSX 4	430301072281601	340	--	82	VT ANR DEC	Z	-
WSX 5	430403072281601	390	--	83	VT ANR DEC	Z	-
WSX 6	430529072272301	390	--	84	VT ANR DEC	Z	-
WSX 7	430721072264401	260	--	TB-1	GREEN INT. INC.	T	U
WSX 8	430714072264401	260	--	TB-2	GREEN INT. INC.	T	U
Town of Windsor							
X2W 1	432905072234601	340	WINDSOR, TOWN OF	--	--	W	P
X2W 2	432901072234501	340	WINDSOR, TOWN OF	--	--	W	P
X2W 3	432908072233801	340	WINDSOR, TOWN OF	--	--	W	P
X2X 1	432605072241301	490	--	47	VT ANR DEC	Z	-
X2X 2	432947072243901	560	--	TB-43	VT ANR DEC	T	U
X2X 3	432739072254301	400	--	--	--	T	U

Table 2.--Description of selected wells and borings--Continued

LOCAL WELL NUMBER	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DISCHARGE (GALLONS PER MINUTE)	DATE WELL CONSTRUCTED	BOTTOM OF CASING (FEET)	CONTRACTOR	TYPE OF SITE	DATA RELI- ABILITY
WSW 122	37	06-18-80	195	195	9	06-18-80	30	K BEEBE	W	C
WSW 123	30	06-14-83	590	590	1.75	06-14-83	79	CUSHING&SONS	W	C
WSW 124	--	--	181	180	45	04-03-84	180	GRN MTN WELL	W	C
WSW 125	--	--	300	300	7	08-31-84	30	CUSHING&SONS	W	C
WSW 126	--	--	320	320	1	09-15-84	50	CUSHING&SONS	W	C
WSW 127	25	01-18-86	75	75	5	01-18-86	34.5	K BEEBE	W	C
WSW 128	20	06-10-86	320	320	1.57	06-10-86	19	GRN MTN WELL	W	U
WSX 1	--	--	106	--	--	07-08-68	--	--	X	C
WSX 2	--	--	25.5	--	--	09-12-83	--	--	X	C
WSX 3	--	--	50.5	--	--	08-19-83	--	--	X	C
WSX 4	--	--	40	--	--	--	--	--	X	C
WSX 5	--	--	5	--	--	--	--	--	X	C
WSX 6	--	--	26	--	--	--	--	--	X	C
WSX 7	7	04-09-85	100	--	--	04-09-85	--	--	X	C
WSX 8	83.7	04-11-85	120	--	--	04-11-85	--	--	X	C
Town of Windsor										
X2W 1	3	11-22-52	79	79	1200	03-22-52	--	--	W	C
X2W 2	6	03- -48	90	90	--	03- -48	61	LAYNE CO.	W	U
X2W 3	4	05-21-56	90	90	1140	05-15-56	70	R E CHAPMAN	W	C
X2X 1	--	--	70	--	--	--	--	--	X	C
X2X 2	--	--	42	--	--	- -00	--	--	X	C
X2X 3	--	--	44	--	--	- -00	--	--	X	C

Table 3.--*Stratigraphic logs of selected wells and borings.*

Local number: First two characters indicate USGS town code. Third character indicates--W, well or test well; X, miscellaneous test boring.

Depth to top: Depth to top of unit in feet below land surface.

Aquifer code: 110SDMN, Quaternary sediments, undifferentiated; 111FILL, Holocene fill; 111SOIL, Holocene soil.

Lithology code: SAND, sand; GRVL, gravel; SDGL, sand and gravel; SILT, silt; CLAY, clay; OTHR, other; STCL, silt and clay; STSD, silt and sand; SDCL, sand and clay; TILL, till.

Description of material: VC, very coarse; C, coarse; M, medium; F, fine; VF, very fine.

Table 3.--Stratigraphic logs of selected wells and borings

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL
BTW 1	0	110SDMN	SDGL	--	BTX 5	0	110SDMN	SAND	--
						20	110SDMN	SAND	--
BTW 5	0	110SDMN	GRVL	--		24	110SDMN	SDGL	--
						43	110SDMN	TILL	--
BTW 100	0	110SDMN	SAND	--	BTX 7	0	110SDMN	SAND	SILTY
	70	110SDMN	SDGL	--		16	110SDMN	GRVL	--
	120	BEDROCK	--	--		20	110SDMN	SAND	SILTY
BTW 101	0	110SDMN	SDGL	--		45	110SDMN	SAND	BOULDERS
	30	110SDMN	CLAY	--	BTX 8	0	110SDMN	SAND	SILTY
	158	BEDROCK	--	--		18	110SDMN	SAND	SILTY
BTW 102	0	110SDMN	SDGL	--		22	110SDMN	SAND	SILTY
	45	BEDROCK	--	--		60	110SDMN	GRVL	--
BTW 103	0	110SDMN	SAND	--	BTX 9	0	110SDMN	SAND	SILTY
	90	BEDROCK	--	--		20	110SDMN	SAND	LITTLE SILT
BTW 104	0	110SDMN	SDGL	--	BTX 10	0	110SDMN	SAND	SILTY
	142	BEDROCK	--	--		30	110SDMN	GRVL	--
BTW 105	0	110SDMN	SDGL	--		30	110SDMN	SAND	SILTY
BTW 106	0	110SDMN	GLCL	--	BTX 11	0	110SDMN	SAND	F, LIGHT BROWN
	118	BEDROCK	--	--		18	110SDMN	SDGL	--
BTW 107	0	110SDMN	SDGL	--		19	110SDMN	SAND	F-C, SOME SILT
	24	BEDROCK	--	--		58	110SDMN	SAND	F-M SAND, F GRAVEL LAYERS
BTW 108	0	110SDMN	SDGL	--		78	110SDMN	SILT	GRAY
	10	110SDMN	CLAY	BROWN	BTX 12	0	110SDMN	SAND	BROWN LAYERS, SOME SILT
	150	BEDROCK	--	--		26	110SDMN	SAND	LAYERS OF F-C GRAVEL
BTW 109	0	110SDMN	SDGL	--	BTX 13	0	110SDMN	SDCL	F SAND, SOME CLAY
	60	BEDROCK	--	--		40	110SDMN	SDCL	CLAY, SOME F SAND
BTW 110	0	110SDMN	SAND	--	DWW 100	0	110SDMN	CLAY	HARDPAN
	120	110SDMN	SDGL	C SAND, GRAVEL		45	BEDROCK	--	--
	130	110SDMN	GRVL	--	DWW 101	0	110SDMN	SDGL	--
	200	BEDROCK	--	--		28	BEDROCK	--	--
BTW 111	0	110SDMN	SAND	--	DWW 102	0	110SDMN	SDGL	--
	100	BEDROCK	--	--	DWW 103	0	110SDMN	SAND	--
BTW 112	0	110SDMN	SAND	--		120	110SDMN	SAND	--
	10	110SDMN	GRVL	--		126	BEDROCK	--	--
	36	110SDMN	SAND	--	DWW 104	0	110SDMN	SDCL	--
BTW 113	--	--	--	--		30	BEDROCK	--	--
BTX 1	0	110SDMN	SAND	--	DWW 105	0	110SDMN	SAND	--
	9	110SDMN	TILL	--		40	110SDMN	CLAY	GRAY
BTX 2	0	110SDMN	SDGL	ALTERNATING		120	110SDMN	CLAY	BROWN, SOME SILT
	39	BEDROCK	--	--		130	110SDMN	GRVL	--
BTX 3	0	110SDMN	SDCL	F-M SAND, CLAY STRINGERS		131	BEDROCK	--	--
	70	110SDMN	--	--	DWW 106	0	110SDMN	SDGL	--
BTX 4	0	110SDMN	SDGL	--		28	BEDROCK	--	--
	15	110SDMN	SDCL	--	DWW 107	0	110SDMN	SAND	--
	30	110SDMN	CLAY	SOME SAND LENSES		6	110SDMN	CLAY	--
						34	BEDROCK	--	--
					DWW 108	0	110SDMN	CLAY	--
						41	110SDMN	GRVL	--
						44	BEDROCK	--	--

Table 3.--Stratigraphic logs of selected wells and borings--Continued

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL
DWW 109	0 101	110SDMN BEDROCK	CLAY --	-- --	PUW 115	0 4 29 40	110SDMN 110SDMN 110SDMN BEDROCK	SAND CLAY TILL --	-- -- HARDPAN --
DWW 110	0 210	110SDMN BEDROCK	CLAY --	CLAY AND BOULDERS --	PUW 116	0 54 58 72	110SDMN 110SDMN 110SDMN BEDROCK	SAND SAND TILL --	-- RED HARDPAN --
DWW 111	--	--	--	--	PUW 117	0 14 135	110SDMN 110SDMN BEDROCK	SAND CLAY --	-- -- --
DWW 112	--	--	--	--	PUW 118	0 50 98	110SDMN 110SDMN BEDROCK	SDGL CLAY --	TOP 30 FEET MAY BE FILL -- --
DWW 113	--	--	--	--	PUW 119	0 25 141 146 160	110SDMN 110SDMN 110SDMN 110SDMN BEDROCK	SAND CLAY SAND CLAY --	-- -- -- -- --
DWX 1	0 15	110SDMN 110SDMN	SDGL SDCL	-- --	PUW 120	0 140	110SDMN BEDROCK	CLAY --	-- --
DWX 2	0 8	110SDMN 110SDMN	-- SDCL	-- CLAY, F SAND	PUW 121	0 150 260	110SDMN 110SDMN 110SDMN	SAND CLAY GRVL	-- -- --
PUW 3	0 135	110SDMN 110SDMN	CLAY SDGL	-- GRAY GRAVEL	PUW 122	0 190	110SDMN BEDROCK	SAND --	-- --
PUW 100	0 35	110SDMN 110SDMN	SAND GRVL	-- --	PUW 123	0 61	110SDMN BEDROCK	SDGL --	-- --
PUW 101	0 15 60	110SDMN 110SDMN BEDROCK	SDGL TILL --	-- -- --	PUW 124	0	110SDMN	SDGL	--
PUW 102	0 105 108 112	110SDMN 110SDMN 110SDMN 110SDMN	CLAY GRVL SAND GRVL	-- -- -- GRADES FROM SANDY TO CLEAN	PUW 125	0 16	110SDMN BEDROCK	SDGL --	-- --
PUW 103	0 51	110SDMN BEDROCK	SDCL --	-- --	PUX 1	0 25	110SDMN 110SDMN	SDGL CLAY	F SOME F SAND
PUW 104	0 70	110SDMN BEDROCK	GLCL --	-- --	PUX 2	0 30 80	110SDMN 110SDMN BEDROCK	SAND CLAY --	-- HARDPAN --
PUW 105	0	110SDMN	SDGL	HARDPAN	PUX 3	0 10 15	110SDMN 110SDMN BEDROCK	SDGL CLAY --	-- -- --
PUW 105	65	BEDROCK	--	--	RKW 2	0 40	110SDMN 110SDMN	CLAY SDGL	-- --
PUW 106	0 85	110SDMN BEDROCK	SDGL --	HARDPAN --	RKW 4	0	110SDMN	SDGL	--
PUW 107	0 42	110SDMN BEDROCK	CLAY --	GRAY --	RKW 5	0 -- --	110SDMN 110SDMN 110SDMN	SDGL GRVL SDGL	F C --
PUW 108	0 30 80	110SDMN 110SDMN BEDROCK	SAND TILL --	-- -- --	RKW 100	0 165	110SDMN BEDROCK	CLAY --	-- --
PUW 109	0 35	110SDMN BEDROCK	SDGL --	-- --					
PUW 110	0	110SDMN	SDGL	--					
PUW 111	0 42	110SDMN BEDROCK	SDGL --	-- --					
PUW 112	0 30	110SDMN BEDROCK	SDGL --	-- --					
PUW 114	0 6 100	110SDMN 110SDMN BEDROCK	GRVL CLAY --	-- GRAY --					

Table 3.--Stratigraphic logs of selected wells and borings--Continued

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL
RKW 101	0	110SDMN	SAND	--	RKX 9	0	111FILL	OTHR	DUMP FILL
RKW 102	0	110SDMN	SDGL	--		65	110SDMN	SAND	F
	77	BEDROCK	--	--		--	110SDMN	CLAY	GRAY
RKW 103	0	110SDMN	CLAY	--	RKX 10	0	111FILL	OTHR	DUMP FILL
	148	110SDMN	GRVL	--		54.5	110SDMN	SILT	GRAY-BLACK, SANDY
RKW 104	0	110SDMN	CLAY	--		56	110SDMN	SAND	GRAY, F
	20	110SDMN	SDGL	--		61	110SDMN	SAND	BLACK OILY, F
	50	BEDROCK	--	--		65	110SDMN	CLAY	GRAY
RKW 105	0	110SDMN	SAND	--	RKX 11	0	111FILL	OTHR	DUMP FILL
	73	BEDROCK	--	--		33	110SDMN	SILT	BROWN, SOME CLAY
RKW 106	0	110SDMN	SAND	--	RKX 12	0	111FILL	OTHR	DUMP FILL
	20	110SDMN	CLAY	--		48.5	110SDMN	SAND	M
	89	110SDMN	SAND	--		52	110SDMN	SAND	VF, CLAYEY IN SPOON TIP
	95	110SDMN	SAND	--	RKX 13	0	111FILL	OTHR	DUMP FILL
	120	BEDROCK	--	--		58	110SDMN	SAND	GREY, F-M
RKW 107	0	110SDMN	SAND	SOME SILT		64	110SDMN	CLAY	GRAY
	15	110SDMN	SDGL	--	RKX 14	0	111FILL	OTHR	DUMP FILL
	36	110SDMN	GRVL	--		43	110SDMN	SDGL	GRAY F GRAVEL, SOME F SAND
	37	BEDROCK	--	--		45	110SDMN	TILL	--
RKW 108	0	110SDMN	--	--		50.5	BEDROCK	--	--
RKW 109	0	110SDMN	CLAY	--	RKX 15	0	111FILL	OTHR	DUMP FILL
	230	110SDMN	SDST	--		66	110SDMN	SILT	BROWN, SOME F SAND
	240	BEDROCK	--	--		74	110SDMN	SDST	F SAND, GREY; SILT
RKW 110	0	110SDMN	SAND	--		79	110SDMN	TILL	GRAY
RKW 111	0	110SDMN	SAND	--	RKX 16	0	111FILL	OTHR	DUMP FILL
	10	110SDMN	CLAY	--		20	BEDROCK	--	--
	50	110SDMN	SAND	--	RKX 17	0	111FILL	OTHR	DUMP FILL
	60	110SDMN	CLAY	--		53	110SDMN	SILT	SOME F SAND
	72	BEDROCK	--	--		53.5	BEDROCK	--	--
RKW 112	0	110SDMN	SAND	--	RKX 18	0	111FILL	OTHR	DUMP FILL
	23	BEDROCK	--	--		82	110SDMN	SDST	GRAY F SAND & SILT
RKW 113	0	110SDMN	GRVL	--	RKX 19	0	111FILL	OTHR	DUMP FILL
RKX 1	0	111FILL	OTHR	DUMP FILL		74	110SDMN	TILL	--
	17	110SDMN	SILT	BROWN, SOME CLAY & F SAND		83	BEDROCK	--	--
RKX 2	0	110SDMN	SDGL	HARDPAN NEAR BOTTOM	RKX 20	0	111FILL	SILT	DUMP FILL
	30	BEDROCK	--	--		18	110SDMN	SILT	BROWN, SOME CLAY & F SAND
RKX 3	0	111FILL	OTHR	DUMP FILL	STW 102	0	110SDMN	TILL	HARDPAN
	16	110SDMN	SILT	BROWN, SOME CLAY & SAND		25	BEDROCK	--	--
RKX 4	0	111FILL	OTHR	DUMP FILL	STW 103	0	110SDMN	CLAY	--
RKX 5	0	111FILL	OTHR	DUMP FILL		20	BEDROCK	--	--
	40	110SDMN	SILT	BROWN, SOME CLAY & F SAND	STW 104	0	110SDMN	SDGL	--
RKX 6	0	111FILL	OTHR	DUMP FILL		20	BEDROCK	--	--
RKX 7	0	111FILL	OTHR	DUMP FILL	STW 105	0	110SDMN	CLAY	GRAY
	67	110SDMN	SILT	BROWN, SOME CLAY & F SAND		30	BEDROCK	--	--
RKX 8	0	111FILL	OTHR	DUMP FILL	STW 106	0	110SDMN	CLAY	--
	12	BEDROCK	--	--		30	BEDROCK	--	--
					STW 107	0	110SDMN	SAND	LOOSE AND DRY
						14	BEDROCK	--	--

Table 3.--Stratigraphic logs of selected wells and borings--Continued

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL
STW 108	0	110SDMN	GRVL	--	VNW 102	0	110SDMN	SDGL	--
	30	110SDMN	CLAY	--		30	BEDROCK	--	--
	50	BEDROCK	--	--					
STW 109	0	110SDMN	TILL	HARDPAN ; MAY NOT BE TILL	VNW 103	0	110SDMN	SAND	--
	90	BEDROCK	--	--		10	110SDMN	CLAY	--
						75	110SDMN	SAND	--
STW 110	0	110SDMN	TILL	HARDPAN		92	BEDROCK	--	--
	20	BEDROCK	--	--	VNW 104	0	110SDMN	SAND	F-C
STW 111	0	110SDMN	SAND	--		20	110SDMN	GRVL	--
	35	BEDROCK	--	--		25	110SDMN	SAND	--
STW 112	0	110SDMN	SAND	--		39	110SDMN	GRVL	C
	6	110SDMN	CLAY	--		48	BEDROCK	--	--
	38	BEDROCK	--	--	VNW 105	0	110SDMN	SAND	--
STW 113	0	110SDMN	SDCL	--		40	BEDROCK	--	--
	9	BEDROCK	--	--	VNW 106	0	110SDMN	SDGL	--
STW 114	0	110SDMN	SAND	--		20	110SDMN	SAND	--
	16	110SDMN	CLAY	BLUE, NO STONES		55	110SDMN	GRVL	--
	62	110SDMN	GRVL	F-M GRAVEL	VNW 107	0	110SDMN	SDST	HARDPAN OVER GRAVEL
	70	110SDMN	TILL	HARDPAN CLAY		52	110SDMN	GRVL	F GRAVEL
						55	BEDROCK	--	--
STW 115	0	110SDMN	GRVL	--	VNW 108	0	110SDMN	SDGL	--
	10	110SDMN	CLAY	BLUE, WET		27	BEDROCK	--	--
	75	BEDROCK	--	--	VNW 109	0	110SDMN	SDCL	--
STW 116	0	110SDMN	SAND	--		41	BEDROCK	--	--
	11	110SDMN	CLAY	--	VNW 110	0	110SDMN	SAND	--
	34	BEDROCK	--	--		40	BEDROCK	--	--
STW 117	0	110SDMN	TILL	HARDPAN	VNW 111	0	110SDMN	SAND	--
	30	BEDROCK	--	--		60	BEDROCK	--	--
STW 118	0	110SDMN	SAND	--	VNW 112	0	110SDMN	CLAY	SOME RIVER SILTS
	74	BEDROCK	--	--		8	BEDROCK	--	--
STW 119	0	110SDMN	SAND	--	VNW 113	0	110SDMN	GRVL	--
	10	BEDROCK	--	--	VNW 114	0	110SDMN	GRVL	--
STW 120	0	110SDMN	SAND	--		10	110SDMN	CLAY	--
	26	110SDMN	GRVL	--		90	110SDMN	GRVL	--
	30	110SDMN	CLAY	--	VNW 115	0	110SDMN	SAND	--
	189	BEDROCK	--	--		13	110SDMN	GRVL	--
STX 1	0	110SDMN	SAND	F, SILT, GRAVEL & CLAY		22	110SDMN	SILT	--
	40	BEDROCK	--	--		50	BEDROCK	--	--
STX 2	0	110SDMN	SAND	F-C	VNW 116	0	110SDMN	SAND	--
	40	110SDMN	SDCL	--		10	110SDMN	TILL	HARDPAN
	50	BEDROCK	--	--		30	BEDROCK	--	--
STX 3	0	110SDMN	SDST	--	WMW 100	0	110SDMN	SAND	--
	20	110SDMN	SILT	--	WMW 101	0	110SDMN	SAND	--
	50	BEDROCK	--	--		20	110SDMN	CLAY	--
VNW 2	0	110SDMN	SDGL	--		103	BEDROCK	--	--
VNW 100	0	110SDMN	SAND	--	WMW 102	0	110SDMN	SDCL	--
	11	BEDROCK	--	--		39	BEDROCK	--	--
VNW 101	0	110SDMN	SAND	--	WMW 103	0	110SDMN	CLAY	--
	25	110SDMN	SDCL	SAND AND BLUE CLAY MIXED		60	BEDROCK	--	--
	136	BEDROCK	--	--					

Table 3.--Stratigraphic logs of selected wells and borings--Continued

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL		LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	
WMW 104	0 72	110SDMN BEDROCK	SAND --	F-C	--	WSW 102	0 260 305	110SDMN 110SDMN 110SDMN	CLAY SDCL GRVL	--	--
WMW 105	0 69	110SDMN BEDROCK	SAND --	F-C	--	WSW 103	0 11	110SDMN BEDROCK	SAND --	--	--
WMW 106	0 38	110SDMN BEDROCK	SAND --	M, BROWN	--	WSW 104	0 25	110SDMN BEDROCK	SAND --	--	--
WMW 107	0 9	110SDMN BEDROCK	SDGL --		--	WSW 105	0 5	110SDMN BEDROCK	SDGL --	--	--
WMW 108	0 47	110SDMN BEDROCK	SAND --		--	WSW 106	0 270	110SDMN BEDROCK	SDGL --	SOME CLAY	--
WMW 109	0 40 60	110SDMN 110SDMN BEDROCK	SAND SDCL --		--	WSW 107	0 84 94 95	110SDMN 110SDMN 110SDMN BEDROCK	CLAY CLAY SDCL --	SOME BOULDERS SOME BOULDERS	--
WMW 110	0 15 45 98	110SDMN 110SDMN 110SDMN BEDROCK	SDGL SAND SAND --	F F SAND, SILT	--	WSW 108	0 8 --	110SDMN 110SDMN 110SDMN	SAND CLAY GRVL	--	--
WMW 111	--	--	--		--	WSW 109	0 119	110SDMN BEDROCK	GRVL --	SOME CLAY	--
WMW 112	0 70 122	110SDMN 110SDMN BEDROCK	SAND CLAY --		--	WSW 110	0 120 400	110SDMN 110SDMN 110SDMN	CLAY SAND GRVL	GRAY GRAY	--
WMW 113	0 35	110SDMN BEDROCK	SAND --		--	WSW 111	0 40 190 220	110SDMN 110SDMN 110SDMN BEDROCK	GRVL CLAY TILL --		--
WMW 114	0 30	110SDMN BEDROCK	SDGL --		--	WSW 112	0 69	110SDMN BEDROCK	TILL --	HARDPAN	--
WMW 115	0	110SDMN	SAND		--	WSW 113	0 45	110SDMN BEDROCK	GRVL --		--
WMW 116	0 35	110SDMN BEDROCK	SAND --		--	WSW 114	0 138	110SDMN 110SDMN	CLAY SAND		--
WMW 117	0	110SDMN	SAND		--	WSW 115	0 6 14	110SDMN 110SDMN BEDROCK	SAND CLAY --		--
WMW 118	0 65	110SDMN BEDROCK	SDST --		--	WSW 116	0 12 44	110SDMN 110SDMN BEDROCK	SAND CLAY --		--
WMW 119	0	110SDMN	SDGL		--	WSW 117	0 20 48	110SDMN 110SDMN BEDROCK	SDGL CLAY --		--
WMW 120	0 120	110SDMN BEDROCK	SDCL --		--	WSW 118	0 100 155	110SDMN 110SDMN BEDROCK	TILL TILL --		--
WMW 121	--	--	--		--	WSW 119	0 30 70	110SDMN 110SDMN BEDROCK	SAND TILL --		--
WMW 122	0	110SDMN	SDGL		--	WSW 120	0 95	110SDMN 110SDMN	CLAY GRVL		--
WMW 123	0	110SDMN	SDGL		--						
WMW 124	0	110SDMN	SDGL		--						
WMW 125	0	110SDMN	SDGL		--						
WSW 100	0 8	110SDMN BEDROCK	SDGL --		--						
WSW 101	0 32 34	110SDMN 110SDMN BEDROCK	TILL CLAY --	VERY HARD HARDPAN	--						

Table 3.--Stratigraphic logs of selected wells and borings--Continued

LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL	LOCAL WELL NUMBER	DEPTH TO TOP (FEET)	AQUIFER CODE	LITH- OLOGY CODE	DESCRIPTION OF MATERIAL
WSW 121	0 45	110SDMN BEDROCK	SDGL --	-- --	X2W 2	0 -- 52 62 --	110SDMN 110SDMN 110SDMN 110SDMN	CLAY SAND SAND SAND SDGL	MUCK ON TOP F, SILTY F M --
WSW 122	0 20	110SDMN BEDROCK	SAND --	F --	X2W 3	0 12 22 30 45	110SDMN 110SDMN 110SDMN 110SDMN 110SDMN	GRVL CLAY SAND SAND GRVL	-- -- F C C
WSW 123	0 69	110SDMN BEDROCK	SILT --	RIVER SILTS; TILL AT BOTTOM --	X2W 4	60.0	BASEMENT	--	--
WSW 124	0 20 40 150 180	110SDMN 110SDMN 110SDMN 110SDMN 110SDMN	SAND GRVL SAND CLAY GRVL	-- -- -- -- --	X2W 5	74.0	BASEMENT	--	--
WSW 125	0 20	110SDMN BEDROCK	CLAY --	-- --	X2W 6	91.0	BASEMENT	--	--
WSW 126	0 41	110SDMN BEDROCK	SAND --	-- --	X2W 7	42.0	BASEMENT	--	--
WSW 127	0 22 26 28	110SDMN 110SDMN 110SDMN BEDROCK	SDST CLAY SAND --	-- BLUE/HARDPAN -- --	X2W 8	36.0	BASEMENT	--	--
WSW 128	0 8	110SDMN BEDROCK	GRVL --	-- --	X2W 9	8.00	BASEMENT	--	--
WSX 1	37 44 54 84 90 90	110SDMN 110SDMN 110SDMN 110SDMN 110SDMN BEDROCK	SDST GRVL SILT SILT SDST --	-- COMPACT, SOME SILT TRACE OF CLAY TRACE FINE SAND TRACE GRAVEL --	X2W 10	35.0	BASEMENT	--	--
WSX 2	0 15	110SDMN BEDROCK	SDGL --	-- --	X2W 12	200	BASEMENT	--	--
WSX 3	0 7 12 16 18 37 40.5	110SDMN 110SDMN 110SDMN 110SDMN 110SDMN 110SDMN BEDROCK	SILT GRVL SAND SILT SAND GRVL --	-- SANDY SANDY GRAVELLY -- SOME SILT -- --	X2W 14	.00	BASEMENT	--	--
WSX 4	0 20 35 40	110SDMN 110SDMN 110SDMN 110SDMN	SAND GRVL CLAY TILL	-- -- -- HARDPAN	X2X 1	0 70	110SDMN BEDROCK	STCL --	VARVED; TRACE SAND & GRAVEL --
WSX 5	0 5	110SDMN BEDROCK	SAND --	-- --	X2X 2	0 42	110SDMN BEDROCK	SDGL --	-- --
WSX 6	0 26	110SDMN BEDROCK	SDGL --	-- --	X2X 3	0 3 5 6 10 43 44	111SOIL 110SDMN 110SDMN 110SDMN 110SDMN 110SDMN BEDROCK	SAND GRVL SAND SDGL SAND GRVL --	-- -- -- -- F-M, SOME SILT -- --
WSX 7	0 18	110SDMN 110SDMN	SDGL SAND	BROWN GRAY, F-M					
WSX 8	0 75	110SDMN 110SDMN	SDGL SAND	BROWN GRAY, F-M					
X2W 1	0 18 55	110SDMN 110SDMN 110SDMN	SDGL GRVL GRVL	-- -- C GRAVEL					

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